

APPENDIX A

---

Air Quality Report

# **AIR QUALITY IMPACT ANALYSIS**

**FIRST STREET GREEN PROJECT  
CITY OF LOS ALTOS, CALIFORNIA**

**LSA**

August 2017

# **AIR QUALITY IMPACT ANALYSIS**

## **FIRST STREET GREEN PROJECT CITY OF LOS ALTOS, CALIFORNIA**

Submitted to:

Sares-Regis  
901 Mariners Island Boulevard, Suite 700  
San Mateo, California 94404  
(650) 377-5793

Prepared by:

LSA  
7086 N. Maple Avenue, Suite 104  
Fresno, California 93720  
(559) 490-1210



August 2017

## TABLE OF CONTENTS

<b>AIR QUALITY IMPACT ANALYSIS .....</b>	<b>2</b>
Introduction.....	2
Project Description.....	2
Air Quality Background .....	2
Air Pollutants and Health Effects.....	3
Greenhouse Gases and Global Climate Change .....	14
Air Quality Regulatory Setting .....	17
Global Climate Change Regulation .....	20
Environmental Setting.....	22
Attainment Status .....	22
Existing Climate and Air Quality .....	23
Air Quality Monitoring Results .....	25
Greenhouse Gas Emissions Inventory .....	26
Methodology .....	30
Operational Emissions.....	31
Construction Emissions .....	31
Greenhouse Gas Emissions.....	32
Construction Health Risk Assessment .....	32
Thresholds of Significance.....	35
Impacts and Mitigation Measures.....	36
Air Quality Impacts .....	37
Greenhouse Gas Impacts.....	45
Conclusion .....	51

## APPENDICES

- A: Project Applicant Construction Equipment List
- B: CalEEMod Output Sheets
- C: HRA Construction Emission Summary
- D: Model Images
- E: Risk Calculations

---

## FIGURES AND TABLES

### FIGURES

Figure 1: Regional Location .....	4
Figure 2: Site Plan – Parking Option A.....	5
Figure 3: Site Plan – Parking Option B .....	6

### TABLES

Table 1: Sources and Health Effects of Air Pollutants .....	11
Table 2: Federal and State Ambient Air Quality Standards.....	12
Table 3: Global Warming Potential of Greenhouse Gases .....	15
Table 4: San Francisco Bay Area Basin Attainment Status .....	23
Table 5: Ambient Air Quality at the San Jose – 158b Jackson Street Monitoring Station.....	27
Table 6: Santa Clara County Greenhouse Gas Emissions by Sector, 2011 .....	30
Table 7: Project Construction Emissions in Pounds Per Day .....	38
Table 8: Project Operational Emissions.....	41
Table 9: Inhalation Health Risks from Project Construction to Off-Site Receptors.....	44
Table 10: GHG Emissions (Metric Tons Per Year).....	47
Table 11: New Development Climate Action Plan Checklist .....	48

## AIR QUALITY IMPACT ANALYSIS

### INTRODUCTION

LSA Associates, Inc. (LSA) has completed an Air Quality Impact Analysis (AQIA) for the proposed First Street Green Project (project) located at 101 First Street in the City of Los Altos (City) in the County of Santa Clara. A project location map is included in Figure 1.

This AQIA has been prepared using methods and assumptions recommended in the *CEQA Air Quality Guidelines* of the Bay Area Air Quality Management District (BAAQMD).<sup>1</sup> In keeping with these guidelines, this analysis describes existing air quality, potential impacts generated by the project on local carbon monoxide (CO) levels, emissions generated from project-related sources, and regional air pollution. An air quality emission analysis was conducted using the California Emissions Estimator Model version 2016.3.1 (CalEEMod) to assess the potential air quality emissions associated with construction and operation of the project.

### PROJECT DESCRIPTION

The proposed project would include the demolition of the existing buildings on the project site and would consist of a three-level office building with 80,000 square feet of office space and 960 square feet of café space, approximately 22,000 square feet of public open space, and a three-level subterranean parking garage. The proposed project would include one of the two parking garage options: 1) parking would extend underneath the park and include multiple entrances to include a public and private entrance; or 2) all parking would take place underneath the building and would have a single private entrance, as shown in Figures 2 and 3, respectively. Significant grading and excavation would be required, including approximately 64,400 or 69,000 cubic yards of soil excavation for the parking structure, depending on the total number of parking spaces. Project construction would commence in 2018 and would occur for a total duration of 24 months. The project would be operational in 2020.

The approximate 1.5-acre project site is located at 101 First Street, south of the intersection of Los Altos Avenue and Edith Avenue, in the northern part of the City. The project site is located in a developed area of the City and surrounding land uses include multi-family residential, commercial office, and commercial shopping uses, and a community park. The project site is bound to the north by the office buildings, to the east by multi-family residential buildings, commercial and retail to the south, and to the west by multi-family residential buildings, a public parking structure, a commercial building and a grocery store/retail shopping center.

### AIR QUALITY BACKGROUND

This section provides background information on air pollutants and their health effects. It also provides brief information from the California Air Resources Board's *Air Quality and Land Use*

---

<sup>1</sup> Bay Area Air Quality Management District, 2017. *CEQA Air Quality Guidelines*. May.

*Handbook*<sup>2</sup> (ARB Handbook) and the supplement; *Strategies to Reduce Air Pollution Exposure Near High-Volume Roadways: Technical Advisory*<sup>3</sup>, a brief description of the general health risks of toxics, and the CEQA significance criteria for project evaluation.

### Air Pollutants and Health Effects

Both State and federal governments have established health-based Ambient Air Quality Standards (AAQS) for six criteria air pollutants:<sup>4</sup> carbon monoxide (CO), ozone (O<sub>3</sub>), nitrogen dioxide (NO<sub>2</sub>), sulfur dioxide (SO<sub>2</sub>), lead (Pb), and suspended particulate matter (PM). In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety. Two criteria pollutants, O<sub>3</sub> and NO<sub>2</sub>, are considered regional pollutants because they (or their precursors) affect air quality on a regional scale. Pollutants such as CO, SO<sub>2</sub>, and Pb are considered local pollutants that tend to accumulate in the air locally.

The primary pollutants of concern in the project area are O<sub>3</sub>, CO, and PM. Significance thresholds established by an air district are used to manage total regional and local emissions within an air basin based on the air basin's attainment status for criteria pollutants. These emission thresholds were established for individual development projects that would contribute to regional and local emissions and could adversely affect or delay the Air Basin's projected attainment target goals for nonattainment criteria pollutants.

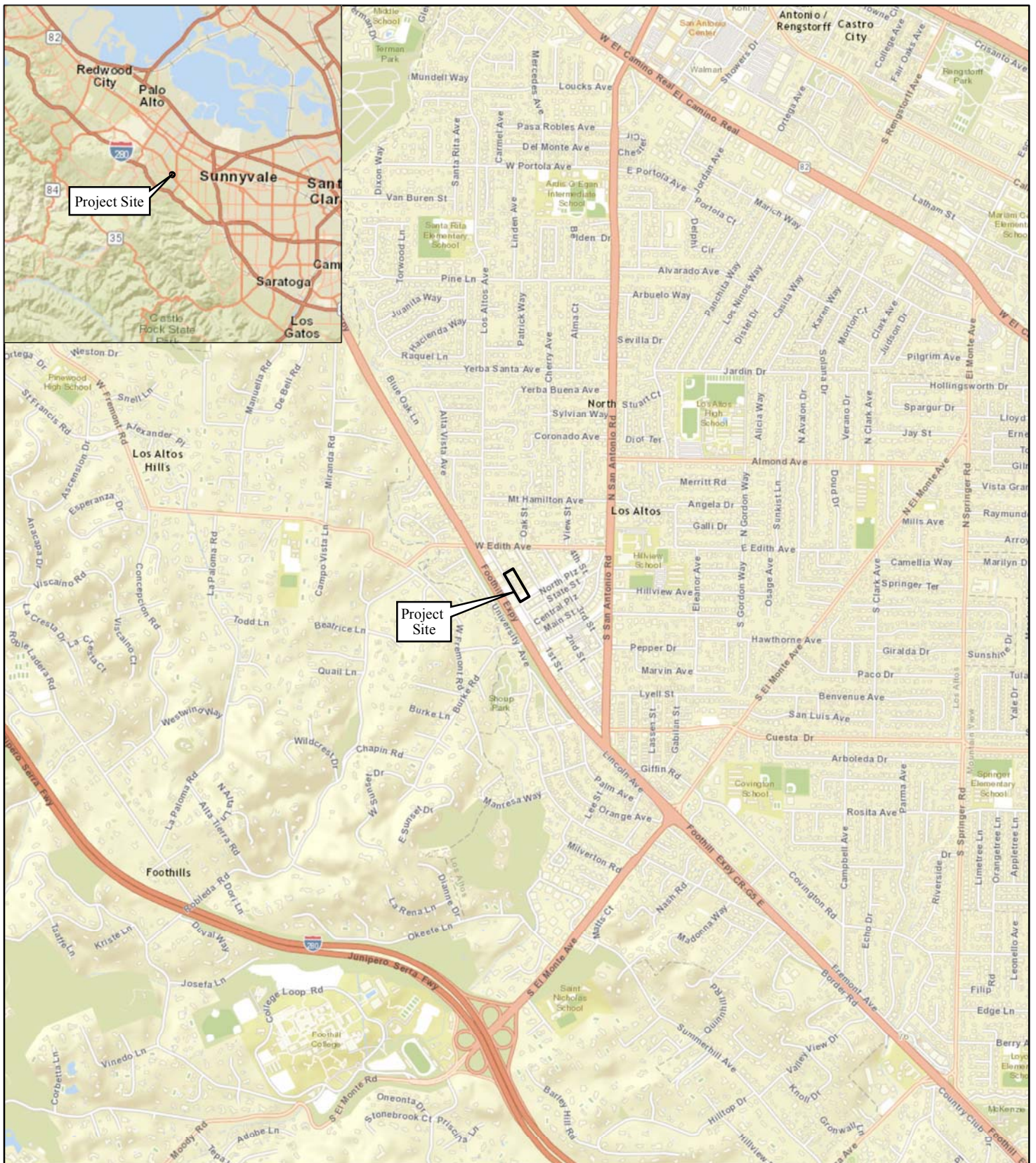
Because of the conservative nature of the significance thresholds, and the basin-wide context of individual development project emissions, there is no direct correlation between a single project and localized air quality-related health effects. One individual project that generates emissions exceeding a threshold does not necessarily result in adverse health effects for residents in the project vicinity. This condition is especially true when the criteria pollutants exceeding thresholds are those with regional effects, such as ozone precursors like nitrogen oxides (NO<sub>x</sub>) and reactive organic gases (ROG).

Occupants of facilities such as schools, daycare centers, parks and playgrounds, hospitals, and nursing and convalescent homes are considered to be more sensitive than the general public to air pollutants because these population groups have increased susceptibility to respiratory disease. Persons engaged in strenuous work or exercise also have increased sensitivity to poor air quality. Residential areas are considered more sensitive to air quality conditions, compared to commercial and industrial areas, because people generally spend longer periods of time at their residences, with greater associated exposure to ambient air quality conditions. Recreational uses are also considered sensitive compared to commercial and industrial uses due to greater exposure to ambient air quality conditions associated with exercise.

<sup>2</sup> California Air Resources Board, 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April.

<sup>3</sup> California Air Resources Board, 2017. *Strategies to Reduce Air Pollution Exposure Near High-Volume Roadways: Technical Advisory*.

<sup>4</sup> Criteria pollutants are defined as those pollutants for which the Federal and State governments have established ambient air quality standards, or criteria, for outdoor concentrations in order to protect public health.



LSA

FIGURE 1



0 1000 2000  
FEET

SOURCE: ESRI World Street Map

F:\LOS1701\GIS\Maps\Figure 1\_Regional Location and Project Site.mxd (4/19/2017)

*First Street Green Project  
Los Altos, Santa Clara County, California  
Regional Location and Project Site*



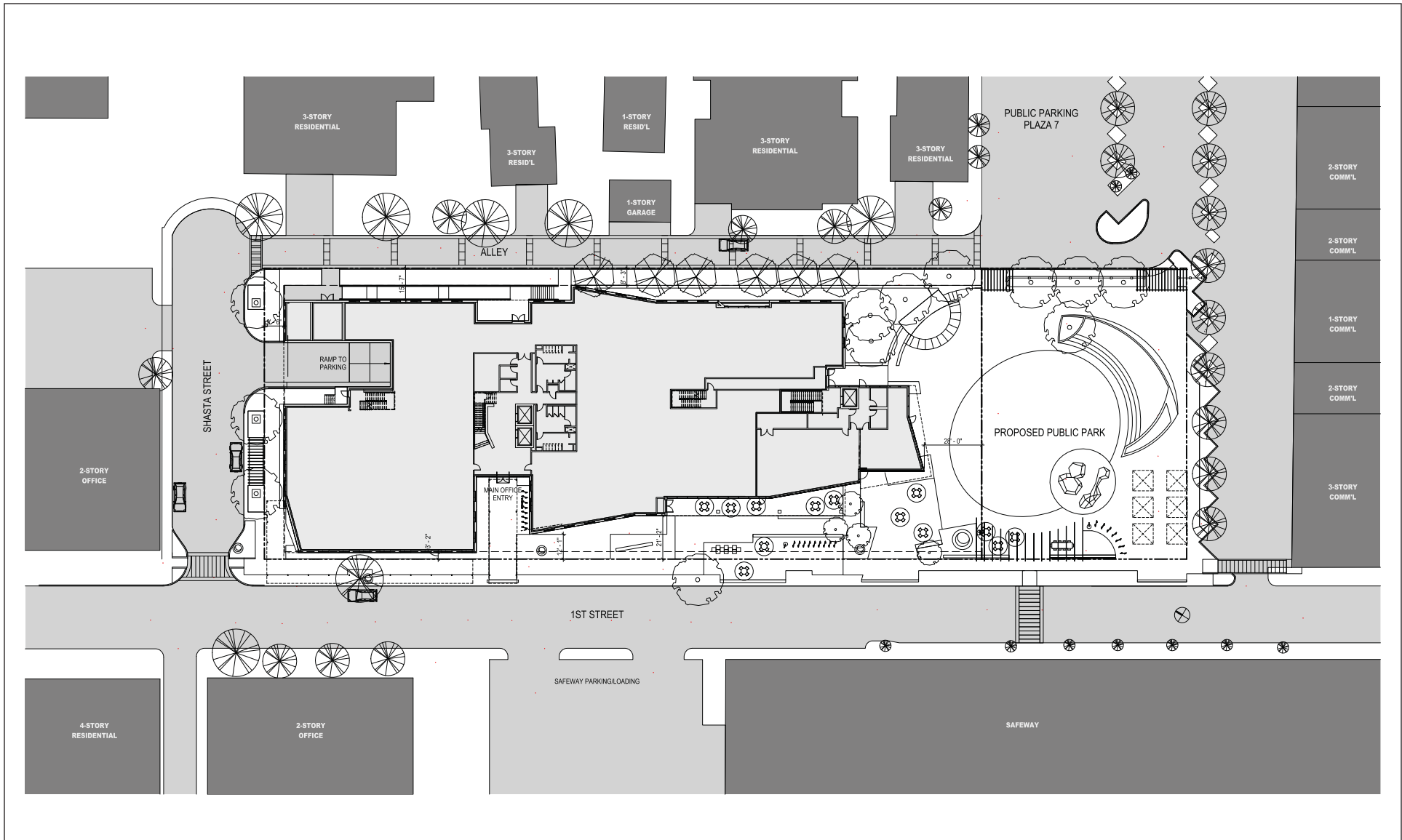


FIGURE 2

LSA

NOT TO SCALE

SOURCE: EHDD, 2017.

I:\LOS 1701 First Green St\figures\Fig\_2\_Site Plan: Parking Option A.ai (5/31/17)

*First Street Green Project*  
*Los Altos, Santa Clara County, California*  
 Site Plan: Parking Option A

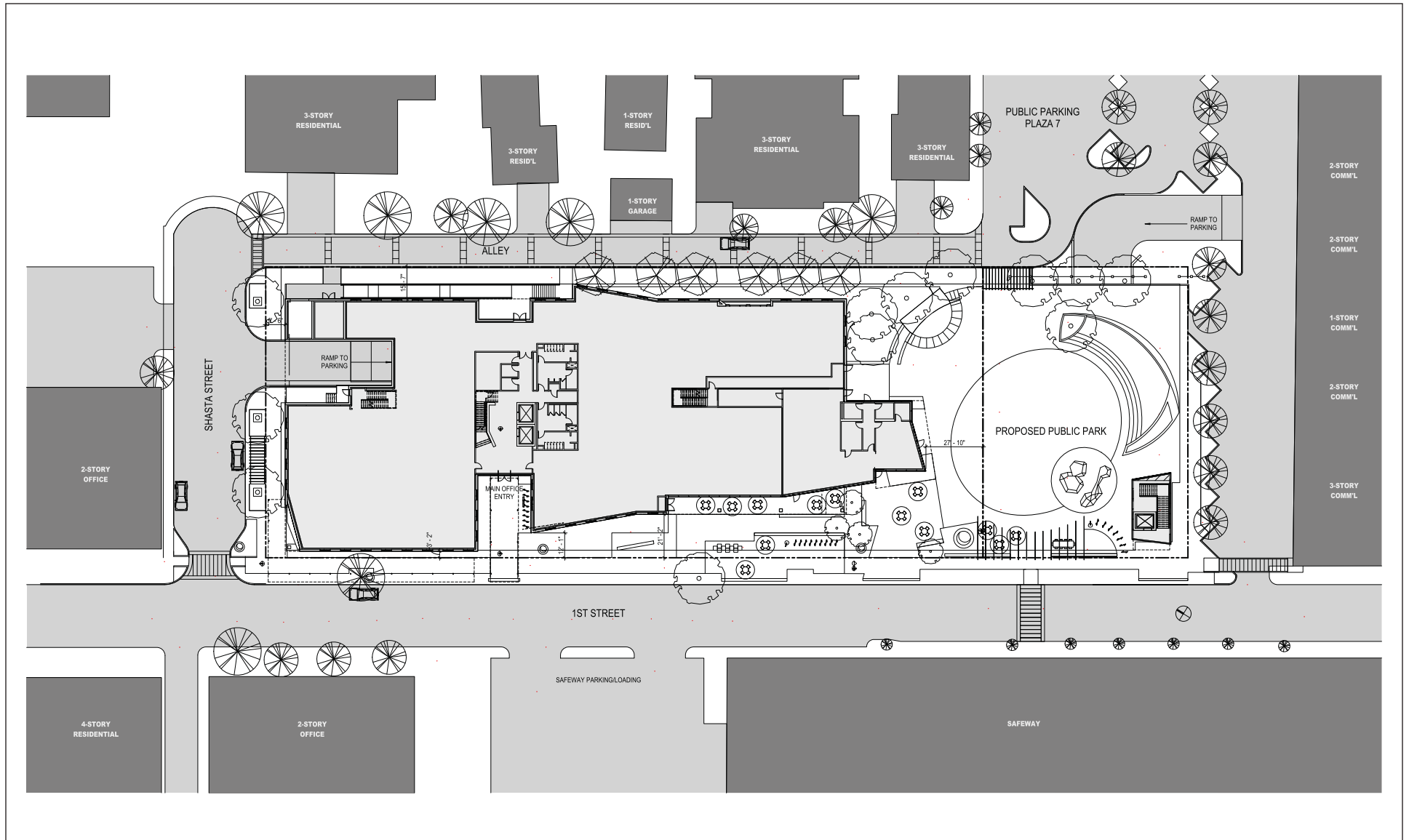


FIGURE 3

LSA

NOT TO SCALE

SOURCE: EHDD, 2017.

I:\LOS 1701 First Green St\figures\Fig\_3\_Site Plan: Parking Option B.ai (5/31/17)

*First Street Green Project*  
 Los Altos, Santa Clara County, California  
 Site Plan: Parking Option B

---

**This page intentionally left blank**

### *Ozone (O<sub>3</sub>)*

Ozone is a secondary air pollutant produced in the atmosphere through a complex series of photochemical reactions involving ROG and NO<sub>x</sub>. The main sources of ROG and NO<sub>x</sub>, often referred to as ozone precursors, are combustion processes (including combustion in motor vehicle engines) and the evaporation of solvents, paints, and fuels. In the Bay Area, automobiles are the single largest source of ozone precursors. Ozone is referred to as a regional air pollutant because its precursors are transported and diffused by wind concurrently with ozone production through the photochemical reaction process. Ozone causes eye irritation, airway constriction, and shortness of breath and can aggravate existing respiratory diseases such as asthma, bronchitis, and emphysema.

### *Carbon Monoxide (CO)*

CO is an odorless, colorless gas usually formed as the result of the incomplete combustion of fuels. The single largest source of CO is motor vehicles. CO transport is limited - it disperses with distance from the source under normal meteorological conditions. However, under certain extreme meteorological conditions, CO concentrations near congested roadways or intersections may reach unhealthful levels that adversely affect local sensitive receptors (e.g., residents, schoolchildren, the elderly, and hospital patients). Typically, high CO concentrations are associated with roadways or intersections operating at unacceptable levels of service (LOS) or with extremely high traffic volumes. Exposure to high concentrations of CO reduces the oxygen-carrying capacity of the blood and can cause headaches, nausea, dizziness, and fatigue, impair central nervous system function, and induce angina (chest pain) in persons with serious heart disease. Extremely high levels of CO, such as those generated when a vehicle is running in an unventilated garage, can be fatal.

### *Particulate Matter (PM)*

Particulate matter is a class of air pollutants that consists of heterogeneous solid and liquid airborne particles from manmade and natural sources. Particulate matter is categorized in two size ranges: PM<sub>10</sub> for particles less than 10 microns in diameter and PM<sub>2.5</sub> for particles less than 2.5 microns in diameter. In the Bay Area, motor vehicles generate about half of the air basin's particulates, through tailpipe emissions as well as brake pad, tire wear, and entrained road dust. Wood burning in fireplaces and stoves, industrial facilities, and ground-disturbing activities such as construction are other sources of such fine particulates. These fine particulates are small enough to be inhaled into the deepest parts of the human lung and can cause adverse health effects. According to the California Air Resources Board (ARB), studies in the United States and elsewhere have demonstrated a strong link between elevated particulate levels and premature deaths, hospital admissions, emergency room visits, and asthma attacks, and studies of children's health in California have demonstrated that particle pollution may significantly reduce lung function growth in children. The ARB also reports that Statewide attainment of particulate matter standards could prevent thousands of premature deaths, lower hospital admissions for cardiovascular and respiratory disease and asthma-related emergency room visits, and avoid hundreds of thousands of episodes of respiratory illness in California.<sup>5</sup>

---

<sup>5</sup> California Air Resources Board, 2011. *Fact Sheets*. Website: [www.arb.ca.gov/html/brochure/pm10.htm](http://www.arb.ca.gov/html/brochure/pm10.htm) October.

### *Nitrogen Dioxide (NO<sub>2</sub>)*

NO<sub>2</sub> is a reddish brown gas that is a byproduct of combustion processes. Automobiles and industrial operations are the main sources of NO<sub>2</sub>. Aside from its contribution to ozone formation, NO<sub>2</sub> also contributes to other pollution problems, including a high concentration of fine particulate matter, poor visibility, and acid deposition. NO<sub>2</sub> may be visible as a coloring component on high pollution days, especially in conjunction with high ozone levels. NO<sub>2</sub> decreases lung function and may reduce resistance to infection.

### *Sulfur Dioxide (SO<sub>2</sub>)*

SO<sub>2</sub> is a colorless acidic gas with a strong odor. It is produced by the combustion of sulfur-containing fuels such as oil, coal, and diesel. SO<sub>2</sub> has the potential to damage materials and can cause health effects at high concentrations. It can irritate lung tissue and increase the risk of acute and chronic respiratory disease. SO<sub>2</sub> also reduces visibility and the level of sunlight at the ground surface.

### *Lead*

Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been mobile and industrial sources. As a result of the phase-out of leaded gasoline, metal processing is currently the primary source of lead emissions. The highest levels of lead in air are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery factories. Twenty years ago, mobile sources were the main contributor to ambient lead concentrations in the air. In the early 1970s, the United States Environmental Protection Agency (USEPA) established national regulations to gradually reduce the lead content in gasoline. In 1975, unleaded gasoline was introduced for motor vehicles equipped with catalytic converters. The USEPA banned the use of leaded gasoline in highway vehicles in December 1995. As a result of the USEPA's regulatory efforts to remove lead from gasoline, emissions of lead from the transportation sector and levels of lead in the air decreased dramatically.

### *Toxic Air Contaminants*

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. Some examples of TACs include: benzene, butadiene, formaldehyde, and hydrogen sulfide. Potential human health effects of TACs include birth defects, neurological damage, cancer, and death. There are hundreds of different types of TACs with varying degrees of toxicity. Individual TACs vary greatly in the health risk they present; at a given level of exposure, one TAC may pose a hazard that is many times greater than another. TACs do not have ambient air quality standards, but are regulated by the USEPA and ARB. In 1998, ARB identified particulate matter from diesel-fueled engines as a toxic air contaminant. ARB has completed a risk management process that identified potential cancer risks for a range of activities and land uses that are characterized by use of diesel-fueled engines.<sup>6</sup> High volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic (distribution centers, truck stops) were identified as posing the highest risk to adjacent receptors. Other facilities associated with increased risk include warehouse distribution centers, large retail or industrial facilities, high volume transit

---

<sup>6</sup> California Air Resources Board, 2000. Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles. October. <https://www.arb.ca.gov/diesel/factsheets/rrpfactsheet.pdf>

centers, and schools with a high volume of bus traffic. Health risks from TACs are a function of both concentration and duration of exposure.

The BAAQMD regulates TACs using a risk-based approach. This approach uses a health risk assessment to determine what sources and pollutants to control as well as the degree of control. A health risk assessment is an analysis in which human health exposure to toxic substances is estimated, and considered together with information regarding the toxic potency of the substances, in order to provide a quantitative estimate of health risks.<sup>7</sup> As part of ongoing efforts to identify and assess potential health risks to the public, the BAAQMD has collected and compiled air toxics emissions data from industrial and commercial sources of air pollution throughout the Bay Area. Monitoring data and emissions inventories of TACs help the BAAQMD determine health risk to Bay Area residents.

Ambient monitoring concentrations of TACs indicate that pollutants emitted primarily from motor vehicles (1,3-butadiene and benzene) account for slightly over 50 percent of the average calculated cancer risk from ambient air in the Bay Area.<sup>8</sup> According to the BAAQMD, ambient benzene levels declined dramatically in 1996 with the advent of Phase 2 reformulated gasoline. Due to this reduction, the calculated average cancer risk based on monitoring results has been reduced to 143 in 1,000,000; however, this risk does not include the risk resulting from exposure to diesel particulate matter or other compounds not monitored.

Unlike TACs emitted from industrial and other stationary sources noted above, most diesel particulate matter is emitted from mobile sources – primarily “off-road” sources such as construction and mining equipment, agricultural equipment, and truck-mounted refrigeration units, as well as trucks and buses traveling on freeways and local roadways. Agricultural and mining equipment is not commonly used in urban parts of the Bay Area, while construction equipment typically operates for a limited time at various locations. As a result, the readily identifiable locations where diesel particulate matter is emitted in the Bay Area include high-traffic roadways and other areas with substantial truck traffic.

Although not specifically monitored, recent studies indicate that exposure to diesel particulate matter may contribute significantly to a cancer risk (a risk of approximately 500 to 700 in 1,000,000) that is greater than all other measured TACs combined.<sup>9</sup> The ARB's Diesel Risk Reduction Plan is intended to substantially reduce diesel particulate matter emissions and associated health risks through introduction of ultra-low-sulfur diesel fuel – a step already implemented – and cleaner-burning diesel engines. The technology for reducing diesel particulate matter emissions from heavy-duty trucks is well established, and both State and federal agencies are moving aggressively to regulate engines and emission control systems to reduce and remediate diesel emissions. ARB

---

<sup>7</sup> In general, a health risk assessment is required if the BAAQMD concludes that projected emissions of a specific air toxic compound from a proposed new or modified source suggests a potential public health risk. Such an assessment generally evaluates chronic, long term effects, including the increased risk of cancer as a result of exposure to one or more TACs.

<sup>8</sup> Bay Area Air Quality Management District, 2013. *Toxic Air Contaminant Control Program Annual Report 2013 Volume 1*. May. <http://www.baaqmd.gov/research-and-data/air-toxics/annual-report>

<sup>9</sup> Ibid.

anticipates that by 2020 average Statewide diesel particulate matter concentrations will decrease by 85 percent from levels in 2000 with full implementation of the Diesel Risk Reduction Plan, meaning that the Statewide health risk from diesel particulate matter is expected to decrease from 540 cancer cases in 1,000,000 to 21.5 cancer cases in 1,000,000. It is likely that the Bay Area cancer risk from diesel particulate matter will decrease by a similar factor by 2020.

**Table 1: Sources and Health Effects of Air Pollutants**

<b>Pollutants</b>	<b>Sources</b>	<b>Primary Effects</b>
Carbon Monoxide (CO)	<ul style="list-style-type: none"> <li>Incomplete combustion of fuels and other carbon-containing substances, such as motor exhaust.</li> <li>Natural events, such as decomposition of organic matter.</li> </ul>	<ul style="list-style-type: none"> <li>Reduced tolerance for exercise.</li> <li>Impairment of mental function.</li> <li>Impairment of fetal development.</li> <li>Death at high levels of exposure.</li> <li>Aggravation of some heart diseases (angina).</li> </ul>
Nitrogen Dioxide (NO <sub>2</sub> )	<ul style="list-style-type: none"> <li>Motor vehicle exhaust.</li> <li>High temperature stationary combustion.</li> <li>Atmospheric reactions.</li> </ul>	<ul style="list-style-type: none"> <li>Aggravation of respiratory illness.</li> <li>Reduced visibility.</li> <li>Reduced plant growth.</li> <li>Formation of acid rain.</li> </ul>
Ozone (O <sub>3</sub> )	<ul style="list-style-type: none"> <li>Atmospheric reaction of organic gases with nitrogen oxides in sunlight.</li> </ul>	<ul style="list-style-type: none"> <li>Aggravation of respiratory and cardiovascular diseases.</li> <li>Irritation of eyes.</li> <li>Impairment of cardiopulmonary function.</li> <li>Plant leaf injury.</li> </ul>
Lead (Pb)	<ul style="list-style-type: none"> <li>Contaminated soil.</li> </ul>	<ul style="list-style-type: none"> <li>Impairment of blood functions and nerve construction.</li> <li>Behavioral and hearing problems in children.</li> </ul>
Suspended Particulate Matter (PM <sub>2.5</sub> and PM <sub>10</sub> )	<ul style="list-style-type: none"> <li>Stationary combustion of solid fuels.</li> <li>Construction activities.</li> <li>Industrial processes.</li> <li>Atmospheric chemical reactions.</li> </ul>	<ul style="list-style-type: none"> <li>Reduced lung function.</li> <li>Aggravation of the effects of gaseous pollutants.</li> <li>Aggravation of respiratory and cardiorespiratory diseases.</li> <li>Increased cough and chest discomfort.</li> <li>Soiling.</li> <li>Reduced visibility.</li> </ul>
Sulfur Dioxide (SO <sub>2</sub> )	<ul style="list-style-type: none"> <li>Combustion of sulfur-containing fossil fuels.</li> <li>Smelting of sulfur-bearing metal ores.</li> <li>Industrial processes.</li> </ul>	<ul style="list-style-type: none"> <li>Aggravation of respiratory diseases (asthma, emphysema).</li> <li>Reduced lung function.</li> <li>Irritation of eyes.</li> <li>Reduced visibility.</li> <li>Plant injury.</li> <li>Deterioration of metals, textiles, leather, finishes, coatings, etc.</li> </ul>

Source: California Air Resources Board (ARB), 2015.

**Table 2: Federal and State Ambient Air Quality Standards**

Pollutant	Averaging Time	California Standards <sup>a</sup>		Federal Standards <sup>b</sup>			
		Concentration <sup>c</sup>	Method <sup>d</sup>	Primary <sup>c,e</sup>	Secondary <sup>c,f</sup>	Method <sup>g</sup>	
<b>Ozone (O3)<sup>h</sup></b>	1-Hour	0.09 ppm (180 µg/m <sup>3</sup> )	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry	
	8-Hour	0.07 ppm (137 µg/m <sup>3</sup> )		0.070 ppm (137 µg/m <sup>3</sup> )			
<b>Respirable Particulate Matter (PM10)<sup>i</sup></b>	24-Hour	50 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	150 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>		–			
<b>Fine Particulate Matter (PM2.5)<sup>i</sup></b>	24-Hour	–	Gravimetric or Beta Attenuation	35 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>		12.0 µg/m <sup>3</sup>			
<b>Carbon Monoxide (CO)</b>	8-Hour	9.0 ppm (10 mg/m <sup>3</sup> )	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m <sup>3</sup> )	–	Non-Dispersive Infrared Photometry (NDIR)	
	1-Hour	20 ppm (23 mg/m <sup>3</sup> )		35 ppm (40 mg/m <sup>3</sup> )			
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )		–			
<b>Nitrogen Dioxide (NO2)<sup>j</sup></b>	Annual Arithmetic Mean	0.03 ppm (57 µg/m <sup>3</sup> )	Gas Phase Chemi- luminescence	53 ppb (100 µg/m <sup>3</sup> )	Same as Primary Standard	Gas Phase Chemi- luminescence	
	1-Hour	0.18 ppm (339 µg/m <sup>3</sup> )		100 ppb (188 µg/m <sup>3</sup> )			
<b>Lead (Pb)<sup>l,m</sup></b>	30-Day Average	1.5 µg/m <sup>3</sup>	Atomic Absorption	–	Same as Primary Standard	High-Volume Sampler and Atomic Absorption	
	Calendar Quarter	–		1.5 µg/m <sup>3</sup> (for certain areas) <sup>l</sup>			
	Rolling 3- Month Average <sup>i</sup>	–		0.15 µg/m <sup>3</sup>			
<b>Sulfur Dioxide (SO2)<sup>k</sup></b>	24-Hour	0.04 ppm (105 µg/m <sup>3</sup> )	Ultraviolet Fluorescence	0.14 ppm (for certain areas)	–	Ultraviolet Fluorescence; Spectro- photometry (Pararosaniline Method)	
	3-Hour	–		–			0.5 ppm (1300 µg/m <sup>3</sup> )
	1-Hour	0.25 ppm (655 µg/m <sup>3</sup> )		75 ppb (196 µg/m <sup>3</sup> ) <sup>k</sup>			–
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas) <sup>k</sup>			–
<b>Visibility- Reducing Particles<sup>i</sup></b>	8-Hour	See footnote n	Beta Attenuation and Transmittance through Filter Tape.	No  Federal  Standards			
<b>Sulfates</b>	24-Hour	25 µg/m <sup>3</sup>	Ion Chromatography				
<b>Hydrogen Sulfide</b>	1-Hour	0.03 ppm (42 µg/m <sup>3</sup> )	Ultraviolet Fluorescence				
<b>Vinyl Chloride<sup>j</sup></b>	24-Hour	0.01 ppm (26 µg/m <sup>3</sup> )	Gas Chromatography				

Table notes are provided on the following page.



- <sup>a</sup> California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM<sub>10</sub>, PM<sub>2.5</sub>, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- <sup>b</sup> National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM<sub>10</sub>, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m<sup>3</sup> is equal to or less than one. For PM<sub>2.5</sub>, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact USEPA for further clarification and current national policies.
- <sup>c</sup> Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
- <sup>d</sup> Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
- <sup>e</sup> National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
- <sup>f</sup> National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- <sup>g</sup> Reference method as described by the USEPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the USEPA.
- <sup>h</sup> On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
- <sup>i</sup> On December 14, 2012, the national annual PM<sub>2.5</sub> primary standard was lowered from 15 µg/m<sup>3</sup> to 12.0 µg/m<sup>3</sup>. The existing national 24-hour PM<sub>2.5</sub> standards (primary and secondary) were retained at 35 µg/m<sup>3</sup>, as was the annual secondary standard of 15 µg/m<sup>3</sup>. The existing 24-hour PM<sub>10</sub> standards (primary and secondary) of 150 µg/m<sup>3</sup> also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
- <sup>j</sup> To attain the 1-hour national standard, the 3-year average of the annual 98<sup>th</sup> percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
- <sup>k</sup> On June 2, 2010, a new 1-hour SO<sub>2</sub> standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99<sup>th</sup> percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO<sub>2</sub> national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.  
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
- <sup>l</sup> The ARB has identified lead and vinyl chloride as ‘toxic air contaminants’ with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
- <sup>m</sup> The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m<sup>3</sup> as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
- <sup>n</sup> In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are “extinction of 0.23 per kilometer” and “extinction of 0.07 per kilometer” for the statewide and Lake Tahoe Air Basin standards, respectively.

°C = degrees Celsius

CARB = California Air Resources Board

USEPA = United States Environmental Protection Agency

ppb = parts per billion

ppm = parts per million

mg/m<sup>3</sup> = milligrams per cubic meter

µg/m<sup>3</sup> = micrograms per cubic meter

Source: California Air Resources Board, 2016. <https://www.arb.ca.gov/research/aaqs/aaqs2.pdf>

## Greenhouse Gases and Global Climate Change

Global climate change is the observed increase in the average temperature of the Earth's atmosphere and oceans in recent decades. The Earth's average near-surface atmospheric temperature rose  $0.6 \pm 0.2^\circ$  Celsius ( $^\circ\text{C}$ ) or  $1.1 \pm 0.4^\circ$  Fahrenheit ( $^\circ\text{F}$ ) in the 20<sup>th</sup> century. The prevailing scientific opinion on climate change is that most of the warming observed over the last 50 years is attributable to human activities. The increased amounts of carbon dioxide ( $\text{CO}_2$ ) and other greenhouse gases (GHGs) are the primary causes of the human-induced component of warming. GHGs are released by the burning of fossil fuels, land clearing, agriculture, and other activities, and lead to an increase in the greenhouse effect.<sup>10</sup>

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- Carbon dioxide ( $\text{CO}_2$ )
- Methane ( $\text{CH}_4$ )
- Nitrous oxide ( $\text{N}_2\text{O}$ )
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur Hexafluoride ( $\text{SF}_6$ )

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere, and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally-occurring GHGs such as  $\text{CO}_2$ , methane, and  $\text{N}_2\text{O}$ , some gases, like HFCs, PFCs, and  $\text{SF}_6$  are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation. For the purposes of this air quality analysis, the term "GHGs" will refer collectively to the six gases listed above only.

---

<sup>10</sup> The temperature on Earth is regulated by a system commonly known as the "greenhouse effect." Just as the glass in a greenhouse lets heat from sunlight in and reduces the heat escaping, greenhouse gases like carbon dioxide, methane, and nitrous oxide in the atmosphere keep the Earth at a relatively even temperature. Without the greenhouse effect, the Earth would be a frozen globe; thus, although an excess of greenhouse gas results in global warming, the *naturally occurring* greenhouse effect is necessary to keep our planet at a comfortable temperature.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each greenhouse gas to trap heat in the atmosphere relative to another gas. The global warming potential is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere (“atmospheric lifetime”). The GWP of each gas is measured relative to carbon dioxide, the most abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO<sub>2</sub> over a specified time period. GHG emissions are typically measured in terms of pounds or tons of “CO<sub>2</sub> equivalents” (CO<sub>2</sub>e). Table 3 shows the GWP for each type of GHG. For example, sulfur hexafluoride is 22,800 times more potent at contributing to global warming than carbon dioxide.

**Table 3: Global Warming Potential of Greenhouse Gases**

Gas	Atmospheric Lifetime (Years)	Global Warming Potential (100-Year Time Horizon)
Carbon Dioxide	50-200	1
Methane	12	25
Nitrous Oxide	114	298
HFC-23	270	14,800
HFC-134a	14	1,430
HFC-152a	1.4	124
PFC: Tetrafluoromethane (CF <sub>4</sub> )	50,000	7,390
PFC: Hexafluoromethane (C <sub>2</sub> F <sub>6</sub> )	10,000	12,200
Sulfur Hexafluoride (SF <sub>6</sub> )	3,200	22,800

Source: IPCC, 2007. *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the IPCC.*

The following discussion summarizes the characteristics of the six GHGs and black carbon.

### *Carbon Dioxide (CO<sub>2</sub>)*

In the atmosphere, carbon generally exists in its oxidized form, as CO<sub>2</sub>. Natural sources of CO<sub>2</sub> include the respiration (breathing) of humans, animals and plants, volcanic out gassing, decomposition of organic matter and evaporation from the oceans. Human caused sources of CO<sub>2</sub> include the combustion of fossil fuels and wood, waste incineration, mineral production, and deforestation. Natural sources release approximately 150 billion tons of CO<sub>2</sub> each year, far outweighing the 7 billion tons of man-made emissions of CO<sub>2</sub> each year. Nevertheless, natural removal processes, such as photosynthesis by land- and ocean-dwelling plant species, cannot keep pace with this extra input of man-made CO<sub>2</sub>, and consequently, the gas is building up in the atmosphere.

In 2012, CO<sub>2</sub> emissions from fossil fuel combustion accounted for approximately 94 percent of U.S. CO<sub>2</sub> emissions and approximately 86.5 percent of California's overall GHG emissions (CO<sub>2</sub>e) from 2000-2012. The transportation sector accounted for California’s largest portion of CO<sub>2</sub> emissions, with gasoline consumption making up the greatest portion of these emissions. Electricity generation was California’s second largest category of GHG emissions.

### *Methane (CH<sub>4</sub>)*

Methane is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources include wetlands, termites, and oceans. Decomposition occurring in landfills accounts for the majority of human-generated CH<sub>4</sub> emissions in California and in the United States as a whole. Agricultural processes such as intestinal fermentation, manure management, and rice cultivation are also significant sources of CH<sub>4</sub> in California. Methane accounted for approximately 7.2 percent of gross climate change emissions (CO<sub>2</sub>e) in California from 2000-2014.<sup>11</sup>

Total annual emissions of methane are approximately 500 million tons, with manmade emissions accounting for the majority. As with CO<sub>2</sub>, the major removal process of atmospheric methane—a chemical breakdown in the atmosphere—cannot keep pace with source emissions, and methane concentrations in the atmosphere are increasing.

### *Nitrous Oxide (N<sub>2</sub>O)*

Nitrous oxide is produced naturally by a wide variety of biological sources, particularly microbial action in soils and water. Tropical soils and oceans account for the majority of natural source emissions. Nitrous oxide is a product of the reaction that occurs between nitrogen and oxygen during fuel combustion. Both mobile and stationary combustion emit N<sub>2</sub>O, and the quantity emitted varies according to the type of fuel, technology, and pollution control device used, as well as maintenance and operating practices. Agricultural soil management and fossil fuel combustion are the primary sources of human-generated N<sub>2</sub>O emissions in California. Nitrous oxide emissions accounted for approximately 2.9 percent of man-made greenhouse gas emissions (CO<sub>2</sub>e) in California, 2000-2012.<sup>12</sup>

### *Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), and Sulfur Hexafluoride (SF<sub>6</sub>)*

Hydrofluorocarbons are primarily used as substitutes for ozone-depleting substances regulated under the Montreal Protocol.<sup>13</sup> Perfluorocarbons and SF<sub>6</sub> are emitted from various industrial processes, including aluminum smelting, semiconductor manufacturing, electric power transmission and distribution, and magnesium casting. There is no aluminum or magnesium production in California; however, the rapid growth in the semiconductor industry leads to greater use of PFCs. Hydrofluorocarbons, PFCs, and SF<sub>6</sub> accounted for about 4.1 percent of man-made greenhouse gas emissions (CO<sub>2</sub>e) in California, 2000-2012.<sup>14</sup>

### *Black Carbon*

Black carbon is the most strongly light-absorbing component of PM formed by burning fossil fuels such as coal, diesel, and biomass. Black carbon is emitted directly into the atmosphere in the form of PM<sub>2.5</sub> and is the most effective form of PM, by mass, at absorbing solar energy. Per unit of mass in

---

<sup>11</sup> Ibid.

<sup>12</sup> Ibid.

<sup>13</sup> The Montreal Protocol is an international treaty that was approved on January 1, 1989, and was designated to protect the ozone layer by phasing out the production of several groups of halogenated hydrocarbons believed to be responsible for ozone depletion.

<sup>14</sup> Ibid.

the atmosphere, black carbon can absorb a million times more energy than CO<sub>2</sub>.<sup>15</sup> Black carbon contributes to climate change both directly, such as absorbing sunlight, and indirectly, such as affecting cloud formation. However, because black carbon is short-lived in the atmosphere, it can be difficult to quantify its effect on global-warming.

Most U.S. emissions of black carbon come from mobile sources (52 percent), particularly from diesel fueled vehicles. The other major source of black carbon is open biomass burning, including wildfires, although residential heating and industry also contribute. The ARB estimates that the annual black carbon emissions in California have decreased approximately 70 percent between 1990 and 2010 and are expected to continue to decline significantly due to controls on mobile diesel emissions.

### Air Quality Regulatory Setting

The USEPA and the California ARB regulate direct emissions from motor vehicles. The BAAQMD is the regional agency primarily responsible for regulating air pollution emissions from stationary sources (e.g., factories) and indirect sources (e.g., traffic associated with new development), as well as monitoring ambient pollutant concentrations.

#### *Federal Clean Air Act*

The 1970 Federal Clean Air Act authorized the establishment of national health-based air quality standards and also set deadlines for their attainment. The Federal Clean Air Act Amendments of 1990 changed deadlines for attaining national standards as well as the remedial actions required of areas of the nation that exceed the standards. Under the Clean Air Act, State and local agencies in areas that exceed the national standards are required to develop State Implementation Plans to demonstrate how they will achieve the national standards by specified dates.

#### *California Clean Air Act*

In 1988, the California Clean Air Act required that all air districts in the State endeavor to achieve and maintain CAAQS for carbon monoxide, ozone, sulfur dioxide and nitrogen dioxide by the earliest practical date. The California Clean Air Act provides districts with authority to regulate indirect sources and mandates that air quality districts focus particular attention on reducing emissions from transportation and area-wide emission sources. Each nonattainment district is required to adopt a plan to achieve a 5 percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each nonattainment pollutant or its precursors. A Clean Air Plan (CAP) shows how a district would reduce emissions to achieve air quality standards. Generally, the State standards for these pollutants are more stringent than the national standards.

---

<sup>15</sup> U.S. Environmental Protection Agency, 2015. *Black Carbon*. Website: [www3.epa.gov/blackcarbon/basic.html](http://www3.epa.gov/blackcarbon/basic.html) (accessed on May 18, 2017). September.

### *California Air Resources Board (ARB) Handbook*

The California ARB has developed an Air Quality and Land Use Handbook<sup>16</sup> which is intended to serve as a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process. According to the ARB Handbook, recent air pollution studies have shown an association between respiratory and other non-cancer health effects and proximity to high traffic roadways. Other studies have shown that diesel exhaust and other cancer-causing chemicals emitted from cars and trucks are responsible for much of the overall cancer risk from airborne toxics in California. The ARB Handbook recommends that county and city planning agencies strongly consider proximity to these sources when finding new locations for "sensitive" land uses such as homes, medical facilities, daycare centers, schools and playgrounds.

Land use designations with air pollution sources of concern include freeways, rail yards, ports, refineries, distribution centers, chrome plating facilities, dry cleaners and large gasoline service stations. Key recommendations in the ARB Handbook include taking steps to avoid siting new, sensitive land uses:

- Within 500 feet of a freeway, urban roads with 100,000 vehicles/day or rural roads with 50,000 vehicles/day.
- Within 1,000 feet of a major service and maintenance rail yard.
- Immediately downwind of ports (in the most heavily impacted zones) and petroleum refineries.
- Within 300 feet of any dry cleaning operation (for operations with two or more machines, provide 500 feet).
- Within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater).

The ARB Handbook specifically states that its recommendations are advisory and acknowledges land use agencies have to balance other considerations, including housing and transportation needs, economic development priorities, and other quality of life issues.

The recommendations are generalized and do not consider site specific meteorology, freeway truck percentages or other factors that influence risk for a particular project site. The purpose of the land use compatibility analysis is to further examine the project site for actual health risk associated with the location of new housing on the project site.

---

<sup>16</sup> California Air Resources Board, 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April.

### *Bay Area Air Quality Management District*

The BAAQMD has jurisdiction over most air quality matters in the San Francisco Bay Area Air Basin. The BAAQMD is tasked with implementing certain programs and regulations required by the Federal Clean Air Act and the California Clean Air Act. The BAAQMD prepares plans to attain State and national ambient air quality standards.

The Clean Air Plan guides the region's air quality planning efforts to attain the CAAQS. The BAAQMD's 2017 Clean Air Plan, which was adopted on April 19, 2017 by the BAAQMD's Board of Directors, is the current Clean Air Plan which contains district-wide control measures to reduce ozone precursor emissions (i.e., ROG and NO<sub>x</sub>), particulate matter and greenhouse gas emissions.

The Bay Area 2017 Clean Air Plan:

- Describes the Air District's plan towards attaining all state and federal air quality standards and eliminating health risk disparities from exposure to air pollution among bay area communities
- Defines a vision for transitioning the region to a post-carbon economy needed to achieve ambitious greenhouse gas reduction targets for 2030 and 2050
- Provides a regional climate protection strategy that will put the Bay area on a pathway to achieve GHG reduction targets
- Includes a wide range of control measures designed to decrease emissions of air pollutants that are most harmful to Bay Area residents, such as particulate matter, ozone, and toxic air contaminants; to reduce emissions of methane and other "Super-GHGs" that are potent climate pollutants in the near term; and to decrease emissions of carbon dioxide by reducing fossil fuel combustion

### *City of Los Altos General Plan*

The City of Los Altos General Plan<sup>17</sup> addresses air quality in the Natural Environment and Hazards Element.

Policies under Goal 8: Maintain or improve air quality in Los Altos, as listed in the Los Altos General Plan, are designed to achieve desired improvements to air quality through proper planning for land use and transportation. Policies relevant to this project include the following:

- Policy 8.1: Support the principles of reducing air pollutants through land use, transportation, and energy use planning.
- Policy 8.2: Encourage transportation modes that minimize contaminant emissions from motor vehicle use.

---

<sup>17</sup> Los Altos, City of, 2002. General Plan, Natural Environment and Hazards Element. November.

- **Policy 8.3:** Interpret and implement the General Plan to be consistent with the regional Bay Area Air Quality Management Plan, as periodically updated.
- **Policy 8.4:** Ensure location and design of development projects so as to conserve air quality and minimize direct and indirect emissions of air contaminants.

## Global Climate Change Regulation

This section describes regulations related to Global Climate Change at the federal, State, and local level.

### *Federal Regulations*

The United States has historically had a voluntary approach to reducing GHG emissions. However, on April 2, 2007, the United States Supreme Court ruled that the USEPA has the authority to regulate CO<sub>2</sub> emissions under the federal Clean Air Act. While there currently are no adopted federal regulations for the control or reduction of GHG emissions, the USEPA commenced several actions in 2009 to implement a regulatory approach to global climate change.

This includes the 2009 USEPA final rule for mandatory reporting of GHGs from large GHG emission sources in the United States. Additionally, the USEPA Administrator signed an endangerment finding action in 2009 under the Clean Air Act, finding that six GHGs (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>) constitute a threat to public health and welfare, and that the combined emissions from motor vehicles cause and contribute to global climate change, leading to national GHG emission standards.

### *State Regulations*

The ARB is the lead agency for implementing climate change regulations in the State. Since its formation, the ARB has worked with the public, the business sector, and local governments to find solutions to California's air pollution problems. Key efforts by the State are described below.

**Executive Order S-3-05 (2005).** Governor Arnold Schwarzenegger signed Executive Order S-3-05 on June 1, 2005, which proclaimed that California is vulnerable to the impacts of climate change. The executive order declared that increased temperatures could reduce snowpack in the Sierra Nevada Mountains, further exacerbate California's air quality problems, and potentially cause a rise in sea levels. To combat those concerns, the executive order established California's GHG emissions reduction targets, which established the following goals:

- GHG emissions should be reduced to 2000 levels by 2010;
- GHG emissions should be reduced to 1990 levels by 2020; and
- GHG emissions should be reduced to 80 percent below 1990 levels by 2050.

The Secretary of the California Environmental Protection Agency (CalEPA) is required to coordinate efforts of various State agencies in order to collectively and efficiently reduce GHGs. A biannual progress report must be submitted to the Governor and State Legislature disclosing the progress made toward GHG emission reduction targets. In addition, another biannual report must be



submitted illustrating the impacts of global warming on California's water supply, public health, agriculture, the coastline, and forestry, and report possible mitigation and adaptation plans to address these impacts.

The Secretary of CalEPA leads this Climate Action Team (CAT) made up of representatives from State agencies as well as numerous other boards and departments. The CAT members work to coordinate Statewide efforts to implement global warming emission reduction programs and the State's Climate Adaptation Strategy. The CAT is also responsible for reporting on the progress made toward meeting the Statewide GHG targets that were established in the executive order and further defined under Assembly Bill 32, the "Global Warming Solutions Act of 2006" (AB 32). The first CAT Report to the Governor and the Legislature was released in March 2006, which it laid out 46 specific emission reduction strategies for reducing GHG emissions and reaching the targets established in the Executive Order. The CAT Report to the Governor and Legislature and will be updated and issued every two years thereafter; the most recent was released in December 2010.

**Assembly Bill 32 (2006), California Global Warming Solutions Act.** California's major initiative for reducing GHG emissions is AB 32, passed by the State legislature on August 31, 2006. This effort aims at reducing GHG emissions to 1990 levels by 2020. In response to AB 32, California began to address climate change by employing a comprehensive, long-term approach to cut the State's GHG emissions to 1990 levels by 2020 and to maintain and continue reductions post 2020.

AB 32 requires the ARB to prepare a Scoping Plan that outlines the main State strategies for meeting the emission reduction targets and to reduce GHGs that contribute to global climate change. Pursuant to AB 32, the Scoping Plan must "*identify and make recommendations on direct emission reduction measures, alternative compliance mechanisms, market-based compliance mechanisms, and potential monetary and nonmonetary incentives*" in order to achieve the 2020 goal, and achieve "*the maximum technologically feasible and cost-effective GHG emission reductions*" by 2020 and maintain and continue reductions beyond 2020.

The Initial Scoping Plan in 2008 presented the first economy-wide approach to reducing emissions and highlighted the value of combining both carbon pricing with other complementary programs to meet California's 2020 GHG emissions cap while ensuring progress in all sectors. The coordinated set of policies in the Initial Scoping Plan employed strategies tailored to specific needs, including market-based compliance mechanisms, performance standards, technology requirements, and voluntary reductions. The Initial Scoping Plan also described a conceptual design for a cap-and-trade program that included eventual linkage to other cap-and-trade programs to form a larger regional trading program.

AB 32 requires CARB to update the scoping plan at least every five years. The First Update to the Scoping Plan (First Update), approved in 2014, presented an update on the program and its progress toward meeting the 2020 limit. It also developed the first vision for the long-term progress that the State endeavors to achieve. In doing so, the First Update laid the groundwork to transition to the post-2020 goals set forth in Executive Orders S-3-059 and B-16-2012.<sup>10</sup> It also recommended the need for a 2030 mid-term target to establish a continuum of actions to maintain and continue reductions, rather than only focusing on targets for 2020 or 2050.

**Senate Bill 32, California Global Warming Solutions Act of 2016, and Assembly Bill 197.** In summer 2016 the Legislature passed, and the Governor signed, Senate Bill 32 (SB 32) and Assembly Bill 197 (AB 197). SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Governor Brown's April 2015 Executive Order B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels, consistent with an Intergovernmental Panel on Climate Change (IPCC) analysis of the emissions trajectory that would stabilize atmospheric GHG concentrations at 450 parts per million carbon dioxide equivalent (CO<sub>2</sub>e) and reduce the likelihood of catastrophic impacts from climate change.

The companion bill to SB 32, AB 197, provides additional direction to ARB on the following areas related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 meant to provide easier public access to air emissions data that are collected by ARB was posted in December 2016.

**Los Altos Climate Action Plan.** The City of Los Altos implemented a Climate Action Plan (CAP) in December 2013. The CAP includes best management practices that address emissions from all sources in the community and balance programs that are applicable to both new and existing development such as the following:

1. Improve non-motorized transportation
2. Expand transit and commute options
3. Provide alternative-fuel vehicle infrastructure
4. Increase energy efficiency
5. Reduce and divert waste
6. Conserve water
7. Use carbon efficient construction equipment
8. Sustain a green infrastructure system and sequester carbon
9. Operate efficient government facilities

## ENVIRONMENTAL SETTING

### Attainment Status

The ARB is required to designate areas of the State as attainment, nonattainment or unclassified for all State standards. An *attainment* designation for an area signifies that pollutant concentrations did not violate the standard for that pollutant in that area. A *nonattainment* designation indicates that a pollutant concentration violated the standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. An *unclassified* designation signifies that data does not support either an attainment or nonattainment status. The California

Clean Air Act divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category.

The USEPA also designates areas as attainment, nonattainment, or classified. Table 4 provides a summary of the attainment status for the San Francisco Bay Area with respect to national and State ambient air quality standards.

### Existing Climate and Air Quality

The City of Los Altos is located in the northern portion of the Santa Clara Valley. The Santa Clara Valley is bound by the San Francisco Bay to the north and by mountains to the east, south and west.

**Table 4: San Francisco Bay Area Basin Attainment Status**

	Averaging Time	California Standards <sup>a</sup>		National Standards <sup>b</sup>	
		Concentration	Attainment Status	Concentration <sup>c</sup>	Attainment Status
<b>Ozone</b> (O <sub>3</sub> )	8-Hour	0.070 ppm (137 µg/m <sup>3</sup> )	Nonattainment <sup>h</sup>	0.075 ppm	Nonattainment <sup>d</sup>
	1-Hour	0.09 ppm (180 µg/m <sup>3</sup> )	Nonattainment	Not Applicable	Not Applicable <sup>e</sup>
<b>Carbon Monoxide</b> (CO)	8-Hour	9.0 ppm (10 mg/m <sup>3</sup> )	Attainment	9 ppm (10 mg/m <sup>3</sup> )	Attainment <sup>f</sup>
	1-Hour	20 ppm (23 mg/m <sup>3</sup> )	Attainment	35 ppm (40 mg/m <sup>3</sup> )	Attainment
<b>Nitrogen Dioxide</b> (NO <sub>2</sub> )	1-Hour	0.18 ppm (339 µg/m <sup>3</sup> )	Attainment	0.100 ppm	Unclassified
	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )	Not Applicable	0.053 ppm (100 µg/m <sup>3</sup> )	Attainment
<b>Sulfur Dioxide</b> (SO <sub>2</sub> )	24-Hour	0.04 ppm (105 µg/m <sup>3</sup> )	Attainment	0.14 ppm (365 µg/m <sup>3</sup> )	Attainment
	1-Hour	0.25 ppm (655 µg/m <sup>3</sup> )	Attainment	0.075 ppm (196 µg/m <sup>3</sup> )	Attainment
	Annual Arithmetic Mean	Not Applicable	Not Applicable	0.030 ppm (80 µg/m <sup>3</sup> )	Attainment <sup>j</sup>
<b>Coarse Particulate Matter</b> (PM <sub>10</sub> )	Annual Arithmetic Mean	20 µg/m <sup>3</sup>	Nonattainment <sup>g</sup>	Not Applicable	Not Applicable
	24-Hour	50 µg/m <sup>3</sup>	Nonattainment	150 µg/m <sup>3</sup>	Unclassified
<b>Fine Particulate Matter</b> (PM <sub>2.5</sub> )	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	Nonattainment <sup>g</sup>	15 µg/m <sup>3</sup>	Attainment
	24-Hour	Not Applicable	Not Applicable	35 µg/m <sup>3</sup> <sup>i</sup>	Nonattainment

<sup>a</sup> California standards for ozone, carbon monoxide (except in the Lake Tahoe air basin), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter – PM<sub>10</sub>, and visibility reducing particles are values that are not to be exceeded. The standards for sulfates, Lake Tahoe carbon monoxide, lead, hydrogen sulfide, and vinyl chloride are not to be equaled or exceeded. If the standard is for a 1-hour, 8-hour or 24-hour average (i.e., all standards except for lead and the PM<sub>10</sub> annual standard), then some measurements may be excluded. In particular, measurements are excluded that ARB determines would occur less than once per year on average. The Lake Tahoe CO standard is 6.0 ppm, a level one-third the national standard and two-thirds the State standard.

<sup>b</sup> National standards shown are the “primary standards” designed to protect public health. National standards other than for ozone, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour ozone standard is attained if, during the most recent 3-year period, the average number of days per year with maximum hourly concentrations above the standard

is equal to or less than 1. The 8-hour ozone standard is attained when the 3-year average of the fourth highest daily concentrations is 0.075 ppm (75 ppb) or less. The 24-hour PM<sub>10</sub> standard is attained when the 3-year average of the 99th percentile of monitored concentrations is less than 150 µg/m<sup>3</sup>. The 24-hour PM<sub>2.5</sub> standard is attained when the 3-year average of 98th percentiles is less than 35 µg/m<sup>3</sup>. Except for the national particulate standards, annual standards are met if the annual average falls below the standard at every site. The national annual particulate standard for PM<sub>10</sub> is met if the 3-year average falls below the standard at every site. The annual PM<sub>2.5</sub> standard is met if the 3-year average of annual averages spatially-averaged across officially-designed clusters of sites falls below the standard.

<sup>c</sup> National air quality standards are set by USEPA at levels determined to be protective of public health with an adequate margin of safety.

<sup>d</sup> In June 2004, the Bay Area was designated as a marginal nonattainment area for the national 8-hour ozone standard. USEPA lowered the national 8-hour ozone standard from 0.80 to 0.75 PPM (i.e., 75 ppb), effective May 27, 2008.

<sup>e</sup> The national 1-hour ozone standard was revoked by USEPA on June 15, 2005.

<sup>f</sup> In April 1998, the Bay Area was redesignated to attainment for the national 8-hour carbon monoxide standard.

<sup>g</sup> In June 2002, ARB established new annual standards for PM<sub>2.5</sub> and PM<sub>10</sub>.

<sup>h</sup> The 8-hour California ozone standard was approved by the ARB on April 28, 2005 and became effective on May 17, 2006.

<sup>i</sup> On January 9, 2013, USEPA issued a final rule to determine that the Bay Area attains the 24-hour PM<sub>2.5</sub> national standard. This USEPA rule suspends key SIP requirement as long as monitoring data continues to show that the Bay Area attains the standard. Despite this USEPA action, the Bay Area will continue to be designated as nonattainment for the national 24-hour PM<sub>2.5</sub> standard until such time as the Air District submits a redesignation request and a maintenance plan to USEPA and USEPA approves the proposed redesignation.

<sup>j</sup> On June 2, 2010, the USEPA established a new 1-hour SO<sub>2</sub> standard, effective August 23, 2010, which is based on the 3-year average of the annual 99<sup>th</sup> percentile of 1-hour daily maximum concentrations. The existing 0.030 ppm annual and 0.14 ppm 24-hour SO<sub>2</sub> NAAQS, however, must be used until one year following USEPA initial designations of the new 1-hour SO<sub>2</sub> NAAQS.

Lead (Pb) is not listed in the above table because it has been in attainment since the 1980s.

ppm = parts per million

mg/m<sup>3</sup> = milligrams per cubic meter

µg/m<sup>3</sup> = micrograms per cubic meter

Source: Bay Area Air Quality Management District, Bay Area Attainment Status, 2015.

Winds in the valley are greatly influenced by the terrain, resulting in a prevailing flow that roughly parallels the valley's northwest-southeast axis. A north-northwesterly sea breeze flows through the valley during the afternoon and early morning, and a light south-southeasterly drainage flow occurs during the late evening and early morning. In the summer the southern end of the valley sometimes becomes a "convergence zone," when air flowing from the Monterey Bay gets channeled northward into the southern end of the valley and meets with the prevailing north-northwesterly winds.

Wind speeds are greatest in the spring and summer and weakest in the fall and winter. Nighttime and early morning hours frequently have calm winds in all seasons, while summer afternoons and evenings are quite breezy. Strong winds are rarely associated with winter storms.

The climatological station closest to the site is the Palo Alto Station.<sup>18</sup> The monthly average maximum temperature recorded at this station ranged from 55.5°F in January to 77.6°F in July, with an annual average maximum of 68.2°F. The monthly average minimum temperature recorded at this station ranged from 37.7°F in January to 53.5°F in August, with an annual average minimum of 46.1°F. These levels are still representative of the project area. January is typically the coldest month, and July is typically the warmest month in this area of the Basin.

The majority of annual rainfall in the area occurs between November and April. Winter rains in the basin account for about 75 percent of the average annual rainfall. The Palo Alto Station monitored

<sup>18</sup> Western Regional Climate Center. Website: <http://www.wrcc.dri.edu/summary/Climsmsca.html>, accessed May 2017.

precipitation from March 1906 to August 1953. Average monthly rainfall during that period varied from 3.2 inches in December to 0.72 inch or less between May and October, with an annual total of 14.92 inches. Patterns in monthly and yearly rainfall totals are unpredictable due to fluctuations in the weather.

The air pollution potential of the Santa Clara Valley is high. High summer temperatures, stable air and mountains surrounding the valley combine to promote ozone formation. In addition to the many local sources of pollution, ozone precursors from San Francisco, San Mateo and Alameda counties are carried by prevailing winds to the Santa Clara Valley. The valley tends to channel pollutants to the southeast. In addition, on summer days with low level inversions, ozone can be recirculated by southerly drainage flows in the late evening and early morning and by the prevailing northwesterlies in the afternoon. A similar recirculation pattern occurs in the winter, affecting levels of carbon monoxide and particulate matter. This movement of the air up and down the valley increases the impact of the pollutants significantly.

Pollution sources are plentiful and complex in the subregion. The Santa Clara Valley has a high concentration of industry at the northern end, in the Silicon Valley. Some of these industries are sources of air toxics as well as criteria air pollutants. In addition, Santa Clara Valley's large population and many work-site designations generate the highest mobile source emissions of any subregion in the Basin.

Air quality is a function of both local climate and local sources of air pollution. Air quality is the balance of the natural dispersal capacity of the atmosphere and emissions of air pollutants from human uses of the environment. Air quality conditions in the San Francisco Bay Area have improved significantly since the BAAQMD was created in 1955. Ambient concentrations of air pollutants and the number of days during which the region exceeds air quality standards have fallen dramatically. Exceedances of air quality standards occur primarily during meteorological conditions conducive to high pollution levels, such as cold, windless winter nights or hot, sunny summer afternoons.

Ozone levels, measured by peak concentrations and the number of days over the State 1-hour standard, have declined substantially as a result of aggressive programs by the BAAQMD and other regional, State and federal agencies. The reduction of peak concentrations represents progress in improving public health; however the Bay Area still exceeds the State standard for 1-hour ozone as well as the State and federal 8-hour standards. Levels of PM<sub>10</sub> have exceeded State standards two of the last three years, and the area is considered a nonattainment area for this pollutant relative to the State standards. The Bay Area is an unclassified area for the federal PM<sub>10</sub> standard.

No exceedances of the State or federal CO standards have been recorded at any of the region's monitoring stations since 1991. The Bay Area is currently considered a maintenance area for State and federal CO standards.

### **Air Quality Monitoring Results**

Air quality monitoring stations are located throughout the nation and maintained by the local air pollution control district and state air quality regulating agencies. Ambient air data collected at permanent monitoring stations are used by the USEPA to identify regions as attainment or

nonattainment depending on whether the regions met the requirements stated in the primary NAAQS. Attainment areas are required to maintain their status through moderate, yet effective air quality maintenance plans. Nonattainment areas are imposed with additional restrictions as required by the USEPA. In addition, different classifications of attainment such as marginal, moderate, serious, severe, and extreme are used to classify each air basin in the state on a pollutant-by-pollutant basis. Different classifications have different mandated attainment dates and are used as guidelines to create air quality management strategies to improve air quality and comply with the NAAQS by the attainment date. A region is determined to be unclassified when the data collected from the air quality monitoring stations do not support a designation of attainment or nonattainment, due to lack of information, or a conclusion cannot be made with the available data.

Pollutant monitoring results for the years 2014 to 2016 at the San Jose – 158b Jackson Street ambient air quality monitoring station, shown in Table 5, indicate that air quality in Los Altos has generally been good. As indicated in the monitoring results, two violations of the federal PM<sub>10</sub> standard were recorded in 2014 and 2015. PM<sub>2.5</sub> levels did not exceed the federal standard. The 1-hour ozone standard was not exceeded, however, the State and federal 8-hour ozone standards were exceeded twice in 2015. The CO, SO<sub>2</sub>, and NO<sub>2</sub> standards were not exceeded in this area during the 3-year period.

### Greenhouse Gas Emissions Inventory

An emissions inventory that identifies and quantifies the primary human-generated sources and sinks of greenhouse gases is a well-recognized and useful tool for addressing climate change. This section summarizes the latest information on global, United States, California, and local greenhouse gas emission inventories.

#### Global Emissions

Worldwide net emissions (including the effects of land use and forestry) of greenhouse gases in 2010 were 46 billion metric tons<sup>19</sup> of CO<sub>2</sub>e per year.<sup>20</sup> This represents a 35 percent increase from 1990.

#### United States Emissions

In 2015, the United States emitted about 6.5 billion metric tons of CO<sub>2</sub>e or about 21 metric tons per year per person. The total 2015 CO<sub>2</sub>e emissions represent a 3.5 percent increase since 1990 but a 10 percent decrease since 2005. Of the six major sectors nationwide – residential, commercial, agricultural, industry, transportation, and electricity generation – electricity generation accounts for the highest amount of greenhouse gas emissions (approximately 29 percent), with transportation second at 27 percent; these emissions are generated entirely from direct fossil fuel combustion.<sup>21</sup>

<sup>19</sup> A metric ton is equivalent to approximately 1.1 tons.

<sup>20</sup> U.S. Environmental Protection Agency, 2017. *Inventory of U.S. Greenhouse Gas Emissions and Sinks. 1990-2015/* Website: [www.epa.gov/sites/production/files/2017-02/documents/2017\\_complete\\_report.pdf](http://www.epa.gov/sites/production/files/2017-02/documents/2017_complete_report.pdf)

**Table 5: Ambient Air Quality at the San Jose  
– 158b Jackson Street Monitoring Station**

Pollutant	Standard	2014	2015	2016
<b>Carbon Monoxide (CO)</b>				
Maximum 1-hour concentration (ppm)		2.4	2.4	1.9
Number of days exceeded:	State: > 20 ppm	0	0	0
	Federal: > 35 ppm	0	0	0
Maximum 8-hour concentration (ppm)		1.9	1.8	1.4
Number of days exceeded:	State: > 9 ppm	0	0	0
	Federal: > 9 ppm	0	0	0
<b>Ozone (O<sub>3</sub>)</b>				
Maximum 1-hour concentration (ppm)		0.089	0.094	0.087
Number of days exceeded:	State: > 0.09 ppm	0	0	0
Maximum 8-hour concentration (ppm)		0.066	0.081	0.066
Number of days exceeded:	State: > 0.07 ppm	0	2	0
	Federal: > 0.08 ppm	0	2	0
<b>Coarse Particulates (PM<sub>10</sub>)</b>				
Maximum 24-hour concentration (µg/m <sup>3</sup> )		56.4	58.8	33.9
Number of days exceeded:	State: > 50 µg/m <sup>3</sup>	1	1	0
	Federal: > 150 µg/m <sup>3</sup>	0	0	0
Annual arithmetic average concentration (µg/m <sup>3</sup> )		19.5	21.3	12.7
Exceeded for the year:	State: > 20 µg/m <sup>3</sup>	0	ND	0
	Federal: > 50 µg/m <sup>3</sup>	0	0	0
<b>Fine Particulates (PM<sub>2.5</sub>)</b>				
Maximum 24-hour concentration (µg/m <sup>3</sup> )		60.4	49.4	22.7
Number of days exceeded:	Federal: > 35 µg/m <sup>3</sup>	2	2	0
Annual arithmetic average concentration (µg/m <sup>3</sup> )		8.4	9.9	8.3
Exceeded for the year:	State: > 12 µg/m <sup>3</sup>	0	0	0
	Federal: > 12 µg/m <sup>3</sup>	0	0	0
<b>Nitrogen Dioxide (NO<sub>2</sub>)</b>				
Maximum 1-hour concentration (ppm)		0.058	0.049	0.051
Number of days exceeded:	State: > 0.250 ppm	0	0	NO
Annual arithmetic average concentration (ppm)		0.013	0.012	0.011
Exceeded for the year:	Federal: > 0.053 ppm	No	No	No
<b>Sulfur Dioxide (SO<sub>2</sub>)</b>				
Maximum 1-hour concentration (ppm)		0.003	0.0031	0.0018
Number of days exceeded:	State: > 0.25 ppm	0	0	0
Maximum 3-hour concentration (ppm)		ND	ND	ND
Number of days exceeded:	Federal: > 0.50 ppm	ND	ND	ND
Maximum 24-hour concentration (ppm)		0.0009	0.0011	0.0008
Number of days exceeded:	State: > 0.04 ppm	0	0	0
	Federal: > 0.14 ppm	0	0	0
Annual arithmetic average concentration (ppm)		0.00024	0.0003	0.00019
Exceeded for the year:	Federal: > 0.030 ppm	No	No	No

<sup>1</sup> Data from the 158b Jackson Street, San Jose monitoring site.  
ppm = parts per million  
µg/m<sup>3</sup> = micrograms per cubic meter  
ND = No data. There was insufficient (or no) data to determine the value.  
Source: USEPA, 2017.

### *State of California Emissions*

The ARB is responsible for developing the California Greenhouse Gas Emission Inventory. This inventory estimates the amount of greenhouse gases emitted to and removed from the atmosphere by human activities within the State and supports the AB 32 Climate Change Program.

According to ARB emission inventory estimates, California emitted approximately 441.5 million metric tons of CO<sub>2</sub>e emissions in 2014.<sup>22</sup> This represents an overall decrease of 9.4 percent since peak levels in 2004. During the 2000 to 2014 period, per capita GHG emissions in California have continued to drop from a peak in 2001 of 13.9 metric tons per person to 11.4 metric tons per person in 2014, which is an 18 percent decrease.<sup>23</sup> Overall trends in the inventory also demonstrate that the carbon intensity of California's economy (the amount of carbon pollution per million dollars of gross domestic product (GDP)) is declining, representing a 28 percent decline since the 2001 peak, while the state's GDP has grown 28 percent during this period.<sup>24</sup>

California greenhouse gas emissions from the transportation sector—still the State's largest single source of greenhouse gases, contributing 36 percent of total emissions—grew by 1 percent in 2014, although emissions from this sector are still 13 percent lower than peak levels in 2005.<sup>25</sup> The ARB attributes much of this decrease to the growing Statewide fleet of fuel-efficient vehicles—the hybrid vehicle market share increased in 2012 to 7.4 percent from the 2011 level of 5.4 percent.<sup>26</sup>

ARB staff has projected 2020 unregulated greenhouse gas emissions, which represent the emissions that would be expected to occur in the absence of any greenhouse gas reduction actions, would be 507 MMT of CO<sub>2</sub>e.<sup>27</sup> The total emissions are lower than originally forecast (596 MMT) in the AB 32 Scoping Plan to account for new estimates for future fuel and energy demand and accounting for the recent economic recession.

Greenhouse gas emissions in 2020 from the transportation sector as a whole are expected to increase to 184 MMT of CO<sub>2</sub>e (2012 inventory is 167 MMT of CO<sub>2</sub>e). The industrial sector consists of large stationary sources of greenhouse gas emissions and includes oil and gas production and refining facilities, cement plants, and large manufacturing facilities. Emissions for this sector are forecast to grow to 91.5 MMT of CO<sub>2</sub>e by 2020, an increase of approximately 3 percent from the 2012 emissions inventory level. The commercial and residential sectors are expected to contribute 45.3 MMT of CO<sub>2</sub>e, or about 9 percent of the total Statewide greenhouse gas emissions in 2020.<sup>28</sup>

---

<sup>22</sup> California Air Resources Board, 2014. *Greenhouse Gas Inventory Data for 2000–2014*. Website: [www.arb.ca.gov/cc/inventory/data/data.htm](http://www.arb.ca.gov/cc/inventory/data/data.htm)

<sup>23</sup> Ibid.

<sup>24</sup> Ibid.

<sup>25</sup> Ibid.

<sup>26</sup> Ibid.

<sup>27</sup> California Air Resources Board, 2013. *Greenhouse Gas Inventory: 2020 Emissions Forecast*. Website: [www.arb.ca.gov/cc/inventory/data/forecast.htm](http://www.arb.ca.gov/cc/inventory/data/forecast.htm).

<sup>28</sup> Ibid.



### *San Francisco Bay Area Emissions*

The BAAQMD established a climate protection program in 2005 to acknowledge the link between climate change and air quality. The BAAQMD regularly prepares inventories of criteria and toxic air pollutants to support planning, regulatory and other programs. The most recent emissions inventory estimates greenhouse gas emissions produced by the San Francisco Bay Area in 2011.<sup>29</sup> The inventory, which was published January 2015, updates the BAAQMD's previous greenhouse gas emission inventory for base year 2007.

In 2011, 86.6 million metric tons of CO<sub>2</sub>e of greenhouse gases were emitted by the San Francisco Bay Area. Fossil fuel consumption in the transportation sector was the single largest source of the San Francisco Bay Area's greenhouse gas emissions in 2011. The transportation sector (including on-road motor vehicles, locomotives, ships and boats, and aircraft) contributed 39.7 percent of greenhouse gas emissions and the industrial and commercial sectors (excluding electricity and agriculture) contributed 35.7 percent of greenhouse gas emissions in the Bay Area. Energy production activities such as electricity generation and co-generation were the third largest contributor with approximately 14 percent of the total greenhouse gas emissions. Off-road equipment such as construction, industrial, commercial, and lawn and garden equipment contributed 1.5 percent of greenhouse gas emissions.

### *Santa Clara County Emissions*

BAAQMD provided estimated greenhouse gas emissions for the San Francisco Bay Area in year 2011 in its Bay Area Emissions Inventory Summary Report: Greenhouse Gases.<sup>30</sup> The inventory quantifies greenhouse gas emissions from a wide variety of sources and is arranged by sector to facilitate detailed analysis of emissions sources.

As shown in Table 6, the largest percentage of greenhouse gas emissions are from the transportation sector, approximately 47 percent, followed by the industrial/commercial and electricity/co-generation sectors, 26 and 14 percent, respectively. The residential fuel and off-road equipment sectors were responsible for 9 and 3 percent, respectively.

---

<sup>29</sup> Bay Area Air Quality Management District, 2015. *Source Inventory of Bay Area Greenhouse Gas Emissions*. January.

<sup>30</sup> Bay Area Air Quality Management District, 2015. *Inventory Summary Report: Greenhouse Gases, Base Year 2011*. January

**Table 6: Santa Clara County Greenhouse Gas Emissions by Sector, 2011**

Sector	2011 Greenhouse Gas Emissions	
	Million Metric Tons CO <sub>2</sub> e per Year	Percent of Total
Industrial/Commercial	4.1	26
Residential Fuel	1.5	9
Electricity/Co-Gen.	2.2	14
Off-Road Equipment	0.4	3
Transportation	7.5	47
Agricultural/Farming	0.2	1
<b>Total</b>	<b>15.9</b>	<b>100</b>

Source: BAAQMD, 2015.

## METHODOLOGY

Numerous air quality modeling tools are available to assess air quality impacts of projects; however, certain air districts such as the BAAQMD have created guidelines and requirements to conduct air quality analysis. The analysis of air quality impacts for the proposed project followed the BAAQMD’s *CEQA Air Quality Guidelines*.<sup>31</sup>

In June 2010, BAAQMD adopted updated draft California Environmental Quality Act (CEQA) Air Quality Guidelines and finalized them in May 2011. These guidelines superseded previously adopted agency air quality guidelines of 1999 and were intended to advise lead agencies on how to evaluate potential air quality impacts.

In late 2010, the Building Industry Association filed a lawsuit in Alameda Superior Court, challenging BAAQMD’s CEQA Guidelines on the grounds that the agency did not comply with CEQA. On March 5, 2012, the Alameda County Superior Court issued a judgment finding that the BAAQMD had failed to comply with CEQA when it adopted the thresholds of significance in the BAAQMD *CEQA Air Quality Guidelines*. The court did not determine whether the thresholds of significance were valid on their merits, but found that the adoption of the thresholds was a project under CEQA. The court issued a writ of mandate ordering the BAAQMD to set aside the thresholds and cease dissemination of them until the BAAQMD complied with CEQA. In May of 2012, the BAAQMD filed an appeal of the court’s decision. In August of 2013 the First District Court of Appeal overturned the trial court and held that the thresholds of significance were not subject to CEQA review. The Court of Appeal’s decision was appealed to the California Supreme Court, which granted limited review.

On December 21, 2015, the California Supreme Court rejected the BAAQMD’s requirement for a so-called reverse CEQA analysis, and concluding that CEQA does not generally require a lead agency to consider the effects of existing environmental conditions on a proposed project’s future residents. The Court also noted that assessing the impacts of the environment on the project is not required by CEQA.

<sup>31</sup> Bay Area Air Quality Management District, 2017, op. cit.

In May 2017, the BAAQMD published an updated version of the CEQA Guidelines, which includes revisions made to address the Supreme Court's opinion. The 2017 CEQA Guidelines include thresholds to evaluate project impacts in order to protectively evaluate the potential effects of the project on air quality. These protective thresholds are appropriate in the context of the size, scale, and location of the project.

### Operational Emissions

The air quality analysis includes estimating emissions associated with long-term operation of the proposed project. Criteria pollutants with regional impacts would be emitted by mobile (indirect) sources associated with the proposed project. In addition, localized air quality impacts (i.e., higher carbon monoxide concentrations or "hot spots") near intersections or roadway segments in the project vicinity would potentially occur due to project generated vehicle trips.

Consistent with BAAQMD guidance for estimating emissions associated with land use development projects, the California Emission Estimator Model (CalEEMod v.2016.3.1) computer program was used to calculate the long-term operational emissions associated with the project.

Trip generation rates used in CalEEMod for the project were based on the Traffic Impact Analysis (TIA)<sup>32</sup>, which estimates the proposed project would typically generate approximately 1,175 net new average daily trips. Special events would occur occasionally in the public open space, which would increase the daily trip generation to an estimated 1,667 net new daily trips. For purposes of this analysis, it is assumed that a special event would occur once per week and therefore these trips were input as the Saturday trip generation rate. Default trip generation rate for general office space was assumed for Sunday trips, which is estimated to be 868.8 daily trips.

The current version of CalEEMod utilizes energy efficiency data based on 2013 building standards. Therefore, a 5 percent increase in energy efficiency was input into the model to account for the increased efficiency that would result for the project with implementation of the 2016 California Building Standards.

### Construction Emissions

Construction activities can generate a substantial amount of air pollution. In some cases, the emissions from construction represent the largest air quality impact associated with a project. Construction activities are considered temporary; however, short term impacts can contribute to exceedances of air quality standards. Construction activities include site preparation, earthmoving and general construction. The emissions generated from these common construction activities include fugitive dust from soil disturbance, fuel combustion from mobile heavy-duty diesel and gasoline powered equipment, portable auxiliary equipment, and worker commute trips. The CalEEMod model was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site based on a construction equipment list provided to LSA by the application (see Appendix A).

---

<sup>32</sup> Hexagon Transportation Consultants, Inc. 2017. *First Street Office Development Draft Traffic Impact Analysis*. June 15.

## Greenhouse Gas Emissions

Greenhouse gas emissions associated with the project would occur over the short term from construction activities, consisting primarily of emissions from equipment exhaust. There would also be long-term greenhouse gas emissions associated with project-related vehicular trips. Recognizing that the field of global climate change analysis is rapidly evolving, the approaches advocated most recently indicate that lead agencies should calculate, or estimate, emissions from vehicular traffic, energy consumption, water conveyance and treatment, waste generation, construction activities, and any other significant source of emissions within the project area. The CalEEMod model was used to quantify greenhouse gas emissions generated by the proposed project.

## Construction Health Risk Assessment

This construction health risk assessment (HRA) provides a quantitative estimate of construction health risk using the AERMOD dispersion model to determine the estimated health risk to nearby residential units during the construction period. The HRA summarizes cancer risk, chronic non-cancer risk, and PM<sub>2.5</sub> concentrations. For health risks, significance thresholds are expressed as an excess cancer risk, non-cancer chronic hazard index, or PM<sub>2.5</sub> concentration. This HRA also compares the results of the HRA with the BAAQMD recommended threshold for construction health risks.

### *Construction Emission Estimation*

PM<sub>10</sub> and PM<sub>2.5</sub> off-road construction equipment exhaust emissions from the proposed project were calculated using CalEEMod using the equipment list provided by the project applicant (see Appendix A). Mitigation was evaluated under two scenarios. One assumes that the off-road equipment (more than 50 horsepower) would use level three diesel particulate filters. The second scenario assumes all equipment would meet ARB's Interim Tier 4 standards. PM<sub>10</sub> exhaust emissions were used in the model as a surrogate for diesel particulate matter (DPM).

### *Model Use*

To estimate the construction PM<sub>10</sub> exhaust concentrations, EPA's AERMOD model was used with all regulatory options selected. The model utilized the Moffett Federal Airfield Airport meteorological dataset from the years 2009 through 2013. Terrain data from Lakes' WebGIS website was also used to evaluate terrain near the project site. Emissions from construction activities were modeled as an area source encompassing the project site with a release height of 10 feet. Emissions from on-site truck travel were modeled as line volume sources with a plume width of 10 feet and a plume height of 10 feet with adjacent volumes. Following BAAQMD guidance, concentrations were calculated at 0 feet. The resulting modeled concentrations were then post-processed using the Office of Environmental Health Hazard Assessment's (OEHHA) 2015 risk guidance document and HARP2 program.

The total construction emissions were summed using specific construction assumptions, including hourly and daily equipment usage for each phase of construction, as shown in Appendix B. The total emissions from construction activities were then modeled using conservative construction conditions to determine an average emission concentration. The resulting modeled concentrations represent the maximum emission concentration that would result at off-site receptor locations.

Note that emissions are not directly entered into the AERMOD modeling platform. The AERMOD dispersion model is only used to generate source concentrations at receptors using a normalized emission rate of 1.0 grams per second. The concentrations were then used in the ARB's HARP2 program to generate the cancer risk and health index results.

### *Construction Receptor Grid*

A survey of the project vicinity indicates that the closest sensitive receptor is located approximately 50 feet from the project site. A construction receptor grid was established as part of the modeling effort to capture locations representing existing off-site resident and worksite receptors that may be affected by project construction emissions. The construction grid identifies blocks of nearby receptors that were modeled in the analysis to determine potentially significant impacts using the thresholds identified by the BAAQMD. A grid space sufficient to ensure that nearby residents are adequately assessed was used. The BAAQMD recommends a receptor spacing of between 33 and 82 feet (10 and 25 meters) when conducting refined modeling.<sup>33</sup> Therefore, in order to conduct a cautious impact analysis that is protective of human health, a reasonable worst-case receptor spacing of 33 feet (10 meters) or less was used.

### *Exposure Assumptions*

Also called dose-response assessment, exposure assumptions involve the process of characterizing the relationship between exposure to an agent and incidence of an adverse health effect in exposed populations. In a quantitative carcinogenic risk assessment such as this one, the dose-response relationship is expressed in terms of a potency slope that is used to calculate the probability or risk of cancer associated with an estimated exposure. Cancer potency factors are expressed as the 95th percent upper confidence limit of the estimated dose-response curve, assuming continuous lifetime exposure to a substance at a dose of 1 milligram per kilogram of body weight per day and commonly expressed in units of inverse dose (i.e.,  $(\text{mg}/\text{kg}/\text{day})^{-1}$ ). It is assumed in cancer risk assessments that risk is directly proportional to dose and that there is no threshold for carcinogenesis. The OEHHA has compiled cancer potency factors that were used in this risk assessment.

For non-carcinogenic effects, dose-response data developed from animal or human studies are used to develop chronic non-cancer Reference Exposure Levels (RELs). The chronic RELs are defined as the concentration at which no adverse non-cancer health effects are anticipated. The most sensitive health effect is chosen to determine the REL if the chemical affects multiple organ systems. Unlike cancer health effects, non-cancer chronic health effects are generally assumed to have thresholds for adverse effects. In other words, chronic injury from a pollutant will not occur until exposure to that pollutant has reached or exceeded a certain concentration (i.e., threshold). The chronic RELs are intended to be below the threshold for health effects for the general population. The actual threshold for health effects in the general population is generally not known with any precision. For the purposes of HRAs, conservative values are used to determine maximum risk level, which takes into consideration the most sensitive individuals. The RELs also have an uncertainty factor applied to them to ensure that the general population is being protected. The scientific community does not

---

<sup>33</sup> Bay Area Air Quality Management District, 2016. *Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines*. January.

have precise evidence as to what is the exposure level for specific individuals that would result in an adverse effect in response to a given compound.

Risk characterization is the final step of risk assessment. Modeled concentrations and public exposure information, which are determined through exposure assessment, are combined with potency factors and RELs that are developed through dose-response assessment.

### *Cancer Risk*

The maximum incremental cancer risk from exposure to TACs was calculated, following the guidelines established by OEHHA in March of 2015.<sup>34</sup> As recommended by OEHHA, the 95 percentile breathing rate for each age in liters per kilogram per day was used. The exposure frequency was assumed to be 350 days per year.<sup>35</sup> To be conservative, the exposure duration for project construction was assumed to be 2.25 years. The inhalation absorption factor was based on the conservative assumption that all pollution would be absorbed, and thus was 1.0. To determine incremental cancer risk, the estimated dose through inhalation was multiplied by the OEHHA-established cancer potency slope factor for DPM, which is  $1.1 \text{ (mg/kg/day)}^{-1}$ .

Analyses conducted by the OEHHA indicate that both the prenatal and postnatal life stages can be, but are not always, much more susceptible to developing cancer than the adult life stage. The analyses also indicate that the age sensitivity factors (ASFs) for these age windows vary by chemical, gender and species. ASFs for prenatal, postnatal, and juvenile exposures are complicated by the limited database of chemicals and studies available for analysis, and the broad distribution of results for different chemicals. The BAAQMD recommends an ASF of 10 for construction projects to account for exposure from the third trimester to age 2. After reaching age 2, the ASF is reduced to 3, until the resident child reaches age 16.

The concentration of each TAC at every receptor and the OEHHA's 2015 guidance was applied to determine the cancer risk from construction diesel exhaust emissions. The cancer risk level was determined at each receptor using the ARB's HARP2 program. The cancer risk at all locations of sensitive receptors was then determined and the highest of these was reported for the maximum exposed individual (MEI). Work sites in the project vicinity were determined to have a lower maximum risk level than residential areas, as the exposure duration of 8 hours for construction workers would be much lower than the exposure duration of 24 hours for residents. Worker exposures are also not subject to the age sensitivity factors which increase risk associated with residential receptors. Therefore, the MEI was determined to be an off-site residential receptor.

### *Chronic Non-Cancer*

Non-cancer health risk is based on a hazard index for chronic (long-term) exposures. The hazard index is established by the OEHHA and is the ratio of the predicted incremental exposure concentration (using the annual emission concentration) to the REL that could cause adverse chronic health

<sup>34</sup> Office of Environmental Health Hazard Assessment, 2015. *Air Toxics Hot Spot Program Risk Assessment Guidelines*. March.

<sup>35</sup> Bay Area Air Quality Management District, 2010. *Air Toxics NSR Program Health Risk Screening Analysis Guidelines*. January.

effects. The Chronic REL is the inhalation exposure concentration at which no adverse chronic health effects would be anticipated following exposure. For instance, the OEHHA has established a DPM Chronic REL of  $5.0 \mu\text{g}/\text{m}^3$ . This REL represents the level below which exposure to DPM would not result in adverse health effects. The DPM chronic risk level is calculated as follows:

$$\text{Inhalation chronic risk} = C_{\text{air}} / \text{Inhalation Chronic REL}$$

where:  $C_{\text{air}}$  = annual concentration of DPM  
Inhalation Chronic REL = 5.0

This calculation was repeated for all TACs with chronic RELs and the resulting chronic hazard indices at each receptor are summed and reported as the total chronic hazard index.

### THRESHOLDS OF SIGNIFICANCE

The State *CEQA Guidelines* indicate that a project would normally have a significant adverse air quality impact if project-generated pollutant emissions would:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Violate any air quality standard or contribute substantially to an existing or projected air quality violation;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under applicable federal or state ambient air quality standards (including releasing emissions which exceed quantitative thresholds for ozone precursors);
- Expose sensitive receptors to substantial pollutant concentrations; or
- Create objectionable odors affecting a substantial number of people.

The BAAQMD has further defined these criteria of significance to indicate the project would result in a significant air quality impact if it would:

- Violate the Bay Area Air Quality Management District's air quality standards or contribute substantially to an existing or projected air quality violation by:
  - Generating average daily criteria air pollutant emissions of ROG,  $\text{NO}_x$  or  $\text{PM}_{2.5}$  exhaust emissions in excess of 54 pounds per day or  $\text{PM}_{10}$  exhaust emissions of 82 pounds per day during project construction;
  - For project operations, generating average daily criteria air pollutant emissions of ROG,  $\text{NO}_x$ , or  $\text{PM}_{2.5}$  in excess of 54 pounds per day, or maximum annual emissions of 10 tons per year. For emissions of  $\text{PM}_{10}$ , generating average daily emissions of 82 pounds per day or 15 tons per year; or
  - Contributing to CO concentrations exceeding the State ambient air quality standards of 9 ppm averaged over 8 hours and 20 ppm for 1-hour for project operations.

It should be noted that the emission thresholds were established based on the attainment status of the air basin in regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety, these emission thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

- Expose sensitive receptors (including residential areas) or the general public to toxic air contaminants in excess of the following thresholds:
  - An excess cancer risk level of more than 10 in one million, or non-cancer (i.e., chronic or acute) risk greater than 1.0 hazard index from a single source;
  - An incremental increase of greater than 0.3  $\mu\text{g}/\text{m}^3$  annual average  $\text{PM}_{2.5}$  from a single source;
  - An excess cancer risk level of more than 100 in one million, or non-cancer risk greater than 100 in one million from all sources; or
  - An incremental increase of greater than 0.8  $\mu\text{g}/\text{m}^3$  annual average  $\text{PM}_{2.5}$  from all sources.

The State *CEQA Guidelines* indicate that a project would normally have a significant adverse greenhouse gas emission impact if the project would:

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reduction the emissions of greenhouse gases.

The BAAQMD has further defined these criteria of significance to indicate the project would result in a less-than-significant air quality impact if it would:

- Result in operational-related greenhouse gas emissions of less than 1,100 metric tons of  $\text{CO}_2\text{e}$  a year; or
- Result in operational-related greenhouse gas emissions of less than 4.6 metric tons of  $\text{CO}_2\text{e}$  per service population (residents plus employees).

## IMPACTS AND MITIGATION MEASURES

The project would affect air quality both during construction and operation. Operational impacts would be indirect and related to vehicle trips generated by future residents.

This section identifies the air quality impacts associated with implementation of the proposed project.



## Air Quality Impacts

This section describes the construction and operational phase emission impacts.

### *Construction Emissions*

During construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by excavation, grading, hauling, and other activities. Emissions from construction equipment are also anticipated and would include CO, NO<sub>x</sub>, ROG, directly-emitted particulate matter (PM<sub>2.5</sub> and PM<sub>10</sub>), and TACs such as diesel exhaust particulate matter.

Site preparation and project construction would involve grading, paving, and building activities. Construction-related effects on air quality from the proposed project would be greatest during the grading phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM<sub>10</sub> emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM<sub>10</sub> emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The BAAQMD has established standard measures for reducing fugitive dust emissions (PM<sub>10</sub>). With the implementation of these Basic Construction Mitigation Measures and Additional Construction Best Management Practices, fugitive dust emissions from construction activities would not result in adverse air quality impacts.

In addition to dust-related PM<sub>10</sub> emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO<sub>2</sub>, NO<sub>x</sub>, ROG and some soot particulate (PM<sub>2.5</sub> and PM<sub>10</sub>) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles are delayed. These emissions would be temporary and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the project using CalEEMod, consistent with BAAQMD recommendations. The project would include the demolition of the existing on-site buildings and approximately 64,400 or 69,000 cubic yards of soil excavation for the parking structure, depending on the total number of parking spaces. To be conservative, 69,000 cubic yards of soil off-haul was included as inputs to the CalEEMod analysis. In addition, the construction equipment list provided by the project applicant (see Appendix A) was input into CalEEMod. For purposes of this CalEEMod analysis, the construction schedule for all improvements was assumed to be approximately 24 months, starting in 2018 and ending in 2019. Construction-related emissions are presented in Table 7. CalEEMod output sheets are included in Appendix B.

**Table 7: Project Construction Emissions in Pounds Per Day**

Project Construction	ROG	NO <sub>x</sub>	Exhaust PM <sub>10</sub>	Exhaust PM <sub>2.5</sub>
Average Daily Emissions	1.8	10.6	0.2	0.2
BAAQMD Thresholds	54.0	54.0	82.0	54.0
<b>Exceed Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: LSA Associates Inc., June 2017.

As shown in Table 7, construction emissions associated with the project would be less than significant for ROG, NO<sub>x</sub> and PM<sub>2.5</sub> and PM<sub>10</sub> exhaust emissions. The BAAQMD and the City of Los Altos require the implementation of Basic Construction Mitigation Measures and Additional Construction Best Management Practices to reduce construction dust impacts to a less-than-significant level as follows:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
- All visible mud or dirt tracked-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 mph.
- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible.
- Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 2 minutes.
- All construction equipment shall be maintained and properly tuned in accordance with manufacturer’s specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- A publicly visible sign shall be posted with the telephone number and person to contact at the City of Los Altos regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD’s phone number shall also be visible to ensure compliance with applicable regulations.
- All exposed surfaces shall be watered at a frequency adequate to maintain minimum soil moisture of 12 percent. Moisture content can be verified by lab samples or moisture probe.
- All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.

- Wind breaks (e.g., trees, fences) shall be installed on the windward side(s) of actively disturbed areas of construction. Wind breaks should have at maximum 50 percent air porosity.
- Vegetative ground cover (e.g., fast-germinating native grass seed) shall be planted in disturbed areas as soon as possible and watered appropriately until vegetation is established.
- The simultaneous occurrence of excavation, grading, and ground-disturbing construction activities on the same area at any one time shall be limited. Activities shall be phased to reduce the amount of disturbed surfaces at any one time.
- All trucks and equipment, including their tires, shall be washed off prior to leaving the site.
- Site accesses to a distance of 100 feet from the paved road shall be treated with a 6 to 12 inch compacted layer of wood chips, mulch, or gravel.
- Sandbags or other erosion control measures shall be installed to prevent silt runoff to public roadways from sites with a slope greater than one percent.
- The project shall develop a plan demonstrating that the off-road equipment (more than 50 horsepower) to be used in the construction project (i.e., owned, leased, and subcontractor vehicles) would achieve a project wide fleet-average 20 percent NO<sub>x</sub> reduction and 45 percent PM reduction compared to the most recent ARB fleet average. Acceptable options for reducing emissions include the use of late model engines, low-emission diesel products, alternative fuels, engine retrofit technology, after-treatment products, add-on devices such as particulate filters, and/or other options as such become available.
- Use low VOC (i.e., ROG) coatings beyond the local requirements (i.e., Regulation 8, Rule 3: Architectural Coatings).
- Require that all construction equipment, diesel trucks, and generators be equipped with Best Available Control Technology for emission reductions of NO<sub>x</sub> and PM.
- Require all contractors use equipment that meets ARB's most recent certification standard for off-road heavy duty diesel engines.

### *Operational Air Quality Impacts*

Long-term air emission impacts are those associated with area sources and mobile sources involving any change related to the proposed project. In addition to the short-term construction emissions, the project would also generate long-term air emissions, such as those associated with changes in permanent use of the project site. These long-term emissions are primarily mobile source emissions that would result from vehicle trips associated with the proposed project. Area sources, such as natural gas heaters, landscape equipment, and use of consumer products, would also result in pollutant emissions.

PM<sub>10</sub> emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM<sub>10</sub> occurs when vehicle tires pulverize small rocks and pavement and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other PM emission processes. Gasoline-powered engines have small rates of particulate matter emissions compared with diesel-powered vehicles. Since much of the project traffic fleet would be made up of light-duty gasoline-powered vehicles, a majority of the PM<sub>10</sub> emissions would result from entrainment of roadway dust from vehicle travel.

Energy source emissions result from activities in buildings for which electricity and natural gas are used (non-hearth). The quantity of emissions is the product of usage intensity (i.e., the amount of electricity or natural gas) and the emission factor of the fuel source. Major sources of energy demand include building mechanical systems, such as heating and air conditioning, lighting, and plug-in electronics, such as refrigerators or cooking equipment. Greater building or appliance efficiency reduces the amount of energy for a given activity and thus lowers the resultant emissions. The emission factor is determined by the fuel source, with cleaner energy sources, like renewable energy, producing fewer emissions than conventional sources. The proposed project would not include an emergency backup generator.

Area source emissions associated with the project would include emissions from water heating and the use of landscaping equipment.

Emission estimates for the project were calculated using CalEEMod. Model results are shown in Table 8. Trip generation rates for the project were based on the Traffic Impact Analysis (TIA)<sup>36</sup>, which estimates the proposed project would typically generate approximately 1,175 net new average daily trips. Special events would occur occasionally in the public open space, which would increase the daily trip generation to an estimated 1,667 net new daily trips. For purposes of this analysis, it is assumed that a special event would occur once per week.

The daily emissions associated with project operational trip generation, energy and area sources are identified in Table 8 for ROG, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. The primary emissions associated with the project are regional in nature, meaning that air pollutants are rapidly dispersed on release or, in the case of vehicle emissions associated with the project; emissions are released in other areas of the air basin. Because the resulting emissions are dispersed rapidly and contribute only a small fraction of the region's air pollution, air quality in the immediate vicinity of the project site would not substantially change compared to existing conditions or the air quality monitoring data reported in Table 5. Model results are shown in Appendix B.

The results shown in Table 8 indicate the project would not exceed the significance criteria for daily ROG, NO<sub>2</sub>, PM<sub>10</sub> or PM<sub>2.5</sub> emissions; therefore, the proposed project would not have a significant effect on regional air quality and mitigation would not be required.

---

<sup>36</sup> Hexagon Transportation Consultants, Inc. 2017. *First Street Office Development Draft Traffic Impact Analysis*. June 15.

**Table 8: Project Operational Emissions**

	ROG	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
<b>Emissions in Pounds Per Day</b>				
Area Source Emissions	2.0	0.0	0.0	0.0
Energy Source Emissions	0.0	0.4	0.0	0.0
Mobile Source Emissions	3.7	15.5	8.6	2.4
<b>Total Emissions</b>	<b>5.7</b>	<b>15.9</b>	<b>8.6</b>	<b>2.4</b>
<b>BAAQMD Threshold</b>	<b>54.0</b>	<b>54.0</b>	<b>82.0</b>	<b>54.0</b>
<b>Exceed?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
<b>Emissions in Tons Per Year</b>				
Area Source Emissions	0.4	0.0	0.0	0.0
Energy Source Emissions	0.0	0.1	0.0	0.0
Mobile Source Emissions	0.4	2.0	1.1	0.3
<b>Total Emissions</b>	<b>0.8</b>	<b>2.1</b>	<b>1.1</b>	<b>0.3</b>
<b>BAAQMD Threshold</b>	<b>10.0</b>	<b>10.0</b>	<b>15.0</b>	<b>10.0</b>
<b>Exceed?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

Source: LSA Associates Inc., June 2017.

*Localized CO Impacts*

The BAAQMD has established a screening methodology that provides a conservative indication of whether the implementation of a proposed project would result in significant CO emissions. According to the BAAQMD’s *CEQA Guidelines*, a proposed project would result in a less-than-significant impact to localized CO concentrations if the following screening criteria are met:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, and the regional transportation plan and local congestion management agency plans.
- Project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.
- The project would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, or below-grade roadway).

Implementation of the proposed project would not conflict with the Santa Clara Valley Transportation Authority’s Countywide Valley Transportation Plan (VTP). The VTP is a countywide long-range transportation plan for Santa Clara County. According to the TIA, the proposed project would typically generate approximately 1,175 net new average trips per day and would occasionally generate approximately 1,667 net new daily trips when special events occur. Therefore, the proposed project would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour, or increase traffic volumes at affected intersections to more than 24,000 vehicles per hour. The TIA found that the intersection capacity conditions in the project area would not substantially change as a result of the project. Therefore, the project would not result in localized

CO concentrations that exceed State or federal standards and impacts would be less-than-significant.

#### *Consistency with Existing Air Quality Plans*

The applicable air quality plan is the BAAQMD's 2017 Clean Air Plan, which was adopted on April 19, 2017. The Clean Air Plan is a comprehensive plan to improve Bay Area air quality and protect public health. The Clean Air Plan defines a control strategy to reduce emissions and ambient concentrations of air pollutants; safeguard public health by reducing exposure to air pollutants that pose the greatest health risk, with an emphasis on protecting the communities most heavily affected by air pollution; and reduce greenhouse gas emissions to protect the climate. Consistency with the Clean Air Plan can be determined if the project does the following: 1) supports the goals of the Clean Air Plan; 2) includes applicable control measures from the Clean Air Plan; and 3) would not disrupt or hinder implementation of any control measures from the Clean Air Plan.

**Transportation and Mobile Source Control Measures.** The BAAQMD identifies control measures as part of the Clean Air Plan to reduce ozone precursor emissions from stationary, area, mobile, and transportation sources. The Transportation Control Measures are designed to reduce emissions from motor vehicles by reducing vehicle trips and vehicle miles traveled (VMT) in addition to vehicle idling and traffic congestion. The project site is located within walking or cycling distance from several destinations, including downtown Los Altos, the nearest bus station (0.3 miles), and the San Antonio Train Station (2.5 miles). Therefore, this proposed project would not conflict with the identified Transportation and Mobile Source Control Measures of the Clean Air Plan.

**Land Use and Local Impact Measures.** The Clean Air Plan includes Land Use and Local Impacts Measures (LUMs) to achieve the following: promote mixed-use, compact development to reduce motor vehicle travel and emissions; and ensure that planned growth is focused in a way that protects people from exposure to air pollution from stationary and mobile sources of emissions. The LUMs identified by the BAAQMD are not specifically applicable to the proposed project as they relate to actions the BAAQMD will take to reduce impacts from goods movement and health risks in affected communities. However, the proposed project would provide new office buildings in downtown Los Altos and would locate the development near other office uses as well as near multi-family residential and commercial retail uses. Therefore, the proposed project would not conflict with any of the LUMs of the Clean Air Plan.

**Energy Measures.** The Clean Air Plan also includes Energy and Climate Control Measures, which are designed to reduce ambient concentrations of criteria pollutants and reduce emissions of CO<sub>2</sub>. Implementation of these measures is intended to promote energy conservation and efficiency in buildings throughout the community, promote renewable forms of energy production, reduce the "urban heat island" effect by increasing reflectivity of roofs and parking lots, and promote the planting of (low-VOC-emitting) trees to reduce biogenic emissions, lower air temperatures, provide shade, and absorb air pollutants. The measures include voluntary approaches to reduce the heat island effect by increasing shading in urban and suburban areas through the planting of trees. The proposed project would include paved area that could result in a heating effect. In addition, with development of the proposed project, existing trees would be removed. However, the proposed project includes landscaping with trees and shrubs throughout the site in addition to a park. The

energy measures of the Clean Air Plan are not specifically applicable to the proposed project. Therefore the project would not conflict with the Energy and Climate Control Measures. As discussed above, implementation of the proposed project would not disrupt or hinder implementation of the applicable measures outlined in the Clean Air Plan, including Transportation and Mobile Source Control Measures, Land Use and Local Impact Measures, and Energy Measures.

### *Sensitive Receptors*

Sensitive receptors are defined as residential uses, schools, daycare centers, nursing homes, and medical centers. Individuals particularly vulnerable to diesel particulate matter are children, whose lung tissue is still developing, and the elderly, who may have serious health problems that can be aggravated by exposure to diesel particulate matter. Exposure from diesel exhaust associated with construction activity contributes to both cancer and chronic non-cancer health risks.

According to the BAAQMD, a project would result in a significant impact if it would: individually expose sensitive receptors to TACs resulting in an increased cancer risk greater than 10.0 in one million, increased non-cancer risk of greater than 1.0 on the hazard index (chronic or acute), or an annual average ambient PM<sub>2.5</sub> increase greater than 0.3 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). A significant cumulative impact would occur if the project in combination with other projects located within a 1,000-foot radius of the project site would expose sensitive receptors to TACs resulting in an increased cancer risk greater than 100.0 in one million, an increased non-cancer risk of greater than 10.0 on the hazard index (chronic), or an ambient PM<sub>2.5</sub> increase greater than 0.8  $\mu\text{g}/\text{m}^3$  on an annual average basis. Impacts from substantial pollutant concentrations are discussed below.

Existing residents in the vicinity of the project site would be exposed to TAC emissions generated during construction of the project. The comprehensive receptor grid developed for this analysis allows the examination of TAC concentrations throughout the area surrounding the project site, including all residents in the immediate vicinity.

Maximum unmitigated and mitigated construction health risk and PM<sub>2.5</sub> concentrations are shown in Table 9. The results for chronic impacts are also shown in Table 9. AERMOD model inputs and results for all height levels for construction of the project are included in Appendix D and Appendix E.

**Table 9: Inhalation Health Risks from Project Construction to Off-Site Receptors**

	<b>Carcinogenic Inhalation Health Risk in One Million with ASF</b>	<b>Chronic Inhalation Hazard Index</b>	<b>Annual PM<sub>2.5</sub> Concentration (µg/m<sup>3</sup>)</b>
<b>Unmitigated</b>			
Maximum Exposed Individual Location	31	0.024	0.12
<b>BAAQMD Threshold</b>	<b>&gt;10.0 in one million</b>	<b>&gt;1.0</b>	<b>&gt;0.30</b>
<b>Exceed?</b>	<b>Yes</b>	<b>No</b>	<b>No</b>
<b>With Mitigation</b>			
Maximum Exposed Individual Location	7.26	0.004	0.02
<b>BAAQMD Threshold</b>	<b>&gt;10.0 in one million</b>	<b>&gt;1.0</b>	<b>&gt;0.30</b>
<b>Exceed?</b>	<b>No</b>	<b>No</b>	<b>No</b>

ASF = Age Sensitivity Factors  
Source: LSA Associates, Inc., July 2017.

Results of the analysis indicate that without mitigation, the highest risk during construction would be 31 in one million for the maximally exposed residents located approximately 45 feet southeast of the project site. This risk level would exceed the BAAQMD cancer risk threshold of 10 in one million. The Chronic Hazard Index would be 0.024, which is below the threshold of 1.0. The results of the analysis also indicate that the maximum PM<sub>2.5</sub> concentration at a receptor location east of the project site would be 0.12 µg/m<sup>3</sup>, which would be below the BAAQMD significance threshold of 0.3 µg/m<sup>3</sup>.

As indicated in Table 9, mitigation would be required to reduce potential health risks to a less than significant level. Therefore, the following mitigation measure shall be implemented by the project applicant:

Mitigation Measure AIR-1: To reduce the health risk associated with construction of the project, the project sponsor shall implement the following measure. The project applicant or contractor shall utilize Interim Tier 4 off-road equipment or all Tier 0, Tier 1, Tier 2, or Tier 3 off-road equipment used for construction of the project shall be equipped with a Level 3 Diesel Particulate Filters.

Implementation of Mitigation Measure AIR-1 would reduce the construction health risk impacts to a less-than-significant level. As shown in Table 9, with implementation of Mitigation Measures AIR-1, the highest risk during construction would be 7.26 in one million for the maximally exposed residents, which is below the BAAQMD cancer risk threshold of 10 in one million. The Chronic Hazard Index would be 0.004, which is below the threshold of 1.0. The results of the analysis also indicate that the maximum PM<sub>2.5</sub> concentration at a receptor location east of the project site would be 0.021 µg/m<sup>3</sup>, which is also below the BAAQMD significance threshold of 0.3 µg/m<sup>3</sup>. Therefore, with implementation of Mitigation Measure AIR-1, construction of the project would not expose sensitive receptors in the project site vicinity to health risk levels that would exceed the criteria established by the BAAQMD.



Therefore, sensitive receptors are not expected to be exposed to substantial pollutant concentrations during project construction. Once the project is constructed, the project would not be a source of substantial emissions.

### *Cumulative Impact Assessment*

CEQA defines a cumulative impact as two or more individual effects, which when considered together, are considerable or which compound or increase other environmental impacts. According to the BAAQMD, air pollution is largely a cumulative impact. No single project is sufficient in size to, by itself; result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. Therefore, if daily average or annual emissions of operational-related criteria air pollutants exceed any applicable threshold established by the BAAQMD, the proposed project would result in a cumulatively significant impact.

As shown in Table 8, above, implementation of the proposed project would generate less than significant operational emissions. As shown in the project-specific air quality impacts discussion above, the proposed project would not result in individually significant impacts and therefore would also not make a cumulatively considerable contribution to regional air quality impacts.

### *Objectionable Odors*

During project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed project would not include any activities or operations that would generate objectionable odors and once operational, the project would not be a source of odors. Therefore, the proposed project would not create objectionable odors affecting a substantial number of people.

### **Greenhouse Gas Impacts**

This section discusses the project's impacts related to the release of greenhouse gas emissions for both construction and project operation.

#### *Construction Activities*

Construction activities associated with the proposed project would produce combustion emissions from various sources. During construction, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O. Furthermore, CH<sub>4</sub> is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

The BAAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are encouraged to quantify and disclose GHG emissions that would occur during construction.

Using CalEEMod, it is estimated that the project would generate approximately 869 metric tons of CO<sub>2</sub>e during the construction period. Implementation of the BAAQMD Basic Construction Mitigation

Measures and Additional Construction Best Management Practices would further reduce GHG emissions during the construction period to ensure impacts remain less than significant.

### *Operational GHG Emissions*

Long-term operation of the proposed project would generate GHG emissions from area and mobile sources as well as indirect emissions from sources associated with energy consumption. Mobile-source GHG emissions would include project-generated vehicle trips associated with trips to the project site. Area-source emissions would be associated with activities such as landscaping and maintenance of proposed land uses, and other sources.

Operational emissions estimates for the proposed project are discussed below and were calculated using a method that is consistent with methodology recommended in the BAAQMD's *CEQA Air Quality Guidelines*, as described below.

### *Methodology*

The methodology and/or qualitative description of the sources of GHG emissions associated with transportation, electricity, water use, and solid waste disposal are described below.

**Transportation.** Transportation associated with the proposed project would result in GHG emissions from the combustion of fossil fuels in daily automobile and truck trips. Transportation is the largest source of GHG emissions in California and represents approximately 38 percent of annual CO<sub>2</sub> emissions in the State. For land use development projects, vehicle miles traveled (VMT) and vehicle trips are the most direct indicators of GHG emissions associated with the proposed project. The proposed project would typically generate approximately 1,175 net new average daily trips. Special events would occur occasionally in the public open space, which would increase the daily trip generation to an estimated 1,667 net new daily trips. For purposes of this analysis, it is assumed that special events would occur once per week. The CalEEMod analysis assumed a Sunday trip generation rate of 868 trips, which accounts for the lower trip generation of the office land use type on typical Sundays.

**Electricity and Natural Gas.** Buildings represent 39 percent of United States primary energy use and 70 percent of electricity consumption.<sup>37</sup> Electricity use can result in GHG production if the electricity is generated by combusting fossil fuel. The project is anticipated to increase the use of electricity and natural gas; however, as part of the project's compliance with the latest California Building Code standards, the project is expected to be relatively energy efficient and would incorporate green building measures in compliance with the latest CALGreen's standard building measures for residential buildings and Title 24 requirements.

**Water Use.** Water and wastewater related GHG emissions are based on water supply and conveyance, water treatment, water distribution, and wastewater treatment. Each element of the water use cycle has unique energy intensities (kilowatt hours [kWh]/million gallons). Recognizing that the actual energy intensity in each component of the water use cycle will vary by utility, the California Energy Commission (CEC) assumes that approximately 3,950 kWh per million gallons are

---

<sup>37</sup> U.S. Department of Energy, 2003. *Buildings Energy Data Book*.

consumed for water that is supplied, treated, consumed, treated again, and disposed of in northern California.

**Solid Waste Disposal.** Solid waste generated by the project could contribute to GHG emissions in a variety of ways. Land filling and other methods of disposal use energy for transporting and managing the waste, and these activities produce additional GHGs to varying degrees. Land filling, the most common waste management practice, results in the release of CH<sub>4</sub> from the anaerobic decomposition of organic materials. CH<sub>4</sub> is 25 times more potent a GHG than CO<sub>2</sub>. However, landfill CH<sub>4</sub> can also be a source of energy. In addition, many materials in landfills do not decompose fully, and the carbon that remains is sequestered in the landfill and not released into the atmosphere.

*Project Emissions*

When calculating project GHG emissions to compare to the thresholds of significance, the BAAQMD recommends that the lead agency consider project design features, attributes, and local development requirements as part of the project as proposed and not as mitigation measures. Consistent with BAAQMD guidance, GHG emissions were estimated using CalEEMod.

Table 10 shows the calculated GHG emissions for the proposed project. Mobile source emissions are the largest category, at approximately 73 percent of total CO<sub>2</sub>e emissions, followed by energy source emissions at approximately 22 percent of the total. Waste and water source emissions are approximately 3 percent and 2 percent of the total respectively. Additional calculation details are provided in Appendix B.

**Table 10: GHG Emissions (Metric Tons Per Year)**

Emissions Source	Operational Emissions				Percent of Total
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e	
Area Source Emissions	0.0	0.0	0.0	0.0	0
Energy Source Emissions	380.1	0.0	0.0	382.4	22
Mobile Source Emissions	1,258.0	0.1	0.0	1,259.3	73
Waste Source Emissions	17.4	1.0	0.0	43.0	3
Water Source Emissions	26.1	0.5	0.0	41.4	2
<b>Total Emissions</b>				<b>1,726.1</b>	<b>100</b>

Source: LSA Associates, Inc., June 2017.

As discussed above, according to the BAAQMD, a project would have less-than-significant GHG emissions if it would meet one or more of the following criteria: result in operational-related greenhouse gas emissions of less than 1,100 metric tons of CO<sub>2</sub>e a year, or result in operational-related greenhouse gas emissions of less than 4.6 metric tons of CO<sub>2</sub>e per service population (residents plus employees). Based on the analysis results, the proposed project would generate approximately 1,726.1 metric tons of CO<sub>2</sub>e which would exceed the BAAQMD’s numeric threshold of 1,100 metric tons CO<sub>2</sub>e.

The project would consist of a three-level office building with 80,000 square feet of office space and 960 square feet of café space. According to the project applicant’s development management consultant, the proposed office building is anticipated to host approximately 400 employees, while the café would employ 3 people resulting in a total service population of 403 people. Therefore, the project’s GHG emissions would result in a GHG efficiency of 4.3 metric tons CO<sub>2</sub>e per service population, which is below the BAAQMD’s threshold of 4.6. Therefore, because the project results in emissions below the 4.6 metric tons CO<sub>2</sub>e per service population, the project would not have a significant effect on the environment related to greenhouse gas emissions.

*Consistency with Greenhouse Gas Reduction Plans*

The City of Los Altos Climate Action Plan<sup>38</sup> (Climate Action Plan) was adopted in 2013. The CAP outlines the strategy for reducing the community’s greenhouse gas emissions and is consistent with AB 32, which directed public agencies in California to support the statewide goal of reducing GHG emissions to 1990 levels by 2020.

The CAP includes a range of incentives, education, and regulations within five focus areas, Transportation, Energy, Resource Conservation, Green Community and Municipal Operations, to achieve GHG emission reductions. The CAP’s reduction measures are applicable to new and existing development. Most emissions reductions come from the Transportation and Energy focus areas, which correspond to the City’s largest sources of emissions. Implementation of the reduction measures contained in the CAP would reduce the City’s 2020 emissions by 15,640 metric tons of CO<sub>2</sub>e, which would help the City achieve a 17 percent reduction in GHG emissions by 2020.

The CAP also requires development projects to demonstrate compliance with all applicable best management practices outlined in the New Development Climate Action Plan Checklist, as shown in Table 11 below.

**Table 11: New Development Climate Action Plan Checklist**

Best Management Practice	Applicable To	Project Compliance
<b>1.1 Improve Non-Motorized Transportation</b>		
Provide end-of-trip-facilities to encourage alternative transportation, including showers, lockers, and bicycle racks.	Nonresidential projects over 10,000 square feet	<b>Consistent.</b> The proposed project would provide bicycle racks on First Street at the main office entry and near the open space, and secured bicycle storage would be provided in Level 1 of the parking garage. The project would also provide shower and locker facilities on-site.
Connect to and include non-motorized (bicycle and pedestrian) infrastructure on-site	Nonresidential projects over 10,000 square feet	<b>Consistent.</b> The proposed project is well served by the existing pedestrian and bicycle facilities. Sidewalks are located along all roadways in the downtown area. The project would provide sidewalks along the entire project frontage and enhance the pedestrian network within the project site. The project would also extend the curb on the east leg of the First Street/Shasta Street intersection to reduce the crossing distance on Shasta Street.

<sup>38</sup> Los Altos, City of. 2013. *Los Altos Climate Action Plan*. December.

**Table 11: New Development Climate Action Plan Checklist**

Best Management Practice	Applicable To	Project Compliance
		Within the project vicinity, designated bike lanes are present along Foothill Expressway, San Antonio Road, Los Altos Avenue, El Monte Avenue, and westbound Edith Avenue. Eastbound Edith Avenue and Cuesta Drive are marked as bike routes. Local streets in downtown, such as First Street and State Street, are not marked as bike lanes or routes, but they carry low traffic volumes and are conducive to bicycling.
Where appropriate, require new projects to provide pedestrian access that internally links all surrounding uses. Applicable to all new commercial and multiple-family development.	Nonresidential projects over 10,000 square feet	<b>Consistent.</b> Pedestrian facilities within the project area are in the form of sidewalks, signalized crossings, and unsignalized crossings. The project would provide sidewalks along the project’s frontages on First Street and Shasta Street and extend the curb on the east leg of the First Street/Shasta Street intersection to reduce the crossing distance on Shasta Street. It would also provide public open space and terrace space in the eastern portion of the project site with crosswalks on First Street and the Plaza 7 driveway. Within the project site, pedestrian access would be provided between the surrounding streets, the project building, and the parking garage via sidewalks, the open space, and parking garage stairwells.
<b>1.2 Expand Transit and Commute Options</b>		
Develop a program to reduce employee vehicle miles traveled (VMT).	Nonresidential projects over 10,000 square feet (or over 50 employees)	<b>Consistent.</b> Employee VMT would be reduced by the existing pedestrian and bicycle facilities. The project would include shower and locker facilities to promote active commuters. The plaza has also been designed to promote bicycle travel and includes amenities such as a public bike repair station and increased bicycle parking. Pedestrian amenities include vegetated walkways, overhead trellising, and tree plantings. The project also includes a dedicated rideshare drop-off area. Additionally, the project is served by existing transit service via the VTA bus route 40. As noted in the Traffic Impact Analysis prepared for the project, the project would result in an 11 percent reduction in vehicle trips over typical projects of this land use type due to internal mixed-use trips in the downtown area. The project includes a café which would reduce VMT by limiting the need to travel off-site for employee dining options.
<b>1.3 Provide Alternative-Fuel Vehicle Infrastructure</b>		
Provide electric vehicle (EV) pre-wiring and/or charging stations.	All projects	<b>Consistent.</b> The project will install several EV charging stations consistent with this measure.
<b>2.2 Increase Energy Efficiency</b>		
Install higher-efficiency appliances.	All new construction	<b>Consistent.</b> The project would incorporate high-efficiency appliances where applicable. The building will incorporate an energy efficient building skin and abundant daylighting, combined with efficient mechanical systems, resulting in an approximate 70 percent more efficiency over typical existing office

**Table 11: New Development Climate Action Plan Checklist**

Best Management Practice	Applicable To	Project Compliance
		buildings. The project will also include photovoltaic panels to generate a minimum of 13 percent of annual energy use.
Install high-efficiency outdoor lights.	All new construction	<b>Consistent.</b> All outdoor lighting would be high-efficient. Light pollution would be controlled through the selection of site lighting fixtures.
Obtain third-party heating, ventilating, and air conditioning (HVAC) commissioning.	All new nonresidential construction	<b>To Be Demonstrated.</b> Current plans for the project do not provide sufficient detail to demonstrate the use of third-party HVAC commissioning. Construction plans would be reviewed for HVAC features prior to building permit issuance. The project applicant would comply with this measure.
<b>3.1 Reduce and Divert Waste</b>		
Develop and implement a Construction and Demolition (C&D) waste plan.	All new projects	<b>Consistent.</b> Current plans for the project indicate at least 75 percent of construction waste and demolition would be recycled and/or reused.
<b>3.2 Conserve Water</b>		
Reduce turf area and increase native plant landscaping.	All new projects	<b>Consistent.</b> The project’s landscaping and irrigation would be required to comply with the City’s Water Efficient Landscape Ordinance. In addition, the proposed project would include water-efficient landscaping. The plant palate would include a combination of native and non-native, non-invasive, and non-toxic plants.
<b>3.3 Use Carbon-Efficient Construction Equipment</b>		
Implement applicable BAAQMD construction site and equipment best management practices.	All new projects	<b>Consistent.</b> The proposed project would implement the BAAQMD Basic Construction Mitigation Measures and Additional Construction Best Management Practices.
<b>4.1 Sustain a Green Infrastructure System and Sequester Carbon</b>		
Create or restore vegetated common space.	Projects over 10,000 square feet	<b>Consistent.</b> The proposed project would include approximately 15,000 square feet of public open space. The proposed project would include water-efficient landscaping. The plant palate would include a combination of native and non-native, non-invasive, and non-toxic plants.
Establish a carbon sequestration project or similar off-site mitigation strategy.	Projects over 10,000 square feet	<b>Consistent.</b> Stormwater would be cleaned and slowed by bioswales and planting to improve water quality being sent to the Bay
Plant at least one well-placed shade tree per dwelling unit.	New residential projects	<b>Not Applicable.</b>

Source: City of Los Altos, 2014.

In addition to implementation of the CAP best management practices identified in Table 11 above, the proposed project would seek registration with the United States Green Building Council (USGBC) and would seek Leadership in Energy and Environmental Design (LEED) Gold certification under New Construction – Core and Shell.

The City of Los Altos adopted the Model Water Efficient Landscape Ordinance<sup>39</sup> in December 2015 to increase water efficiency standards for new and rebuild landscapes through more efficient irrigation systems, increased use of greywater systems, onsite storm water capture, and limits on the amount of new turf area. The proposed project would be required to be in compliance with this ordinance, and will be required to submit a landscape documentation package to the City, which will be determined during Planning review of the project.

Therefore, as demonstrated in Table 11 above, the proposed project would not conflict with plans, policies, or regulations adopted for the purpose of reducing GHG emissions. In addition, the proposed project would not result in a substantial increase in GHG emissions. Therefore, the proposed project would not conflict with the City's CAP.

## CONCLUSION

Based on the analysis presented above, construction and operation of the proposed project would not result in the generation of criteria air pollutants that would exceed BAAQMD thresholds of significance. Implementation of BAAQMD Basic Construction Mitigation Measures and Additional Construction Best Management Practices would further reduce construction dust impacts. The proposed project is not expected to produce significant emissions that would affect nearby sensitive receptors. The project would also not result in objectionable odors affecting a substantial number of people. GHG emissions released during construction and operation of the project are estimated to be lower than significance thresholds, and would not be cumulatively considerable. The project would also be consistent with the City's Climate Action Plan. Therefore, the proposed project would not result in significant air quality or GHG impacts.

---

<sup>39</sup> Los Altos, City of. 2015. *Model Water Efficient Landscape Ordinance*. December 1.

---

**This page intentionally left blank**



## **APPENDIX A**

### **CONSTRUCTION EQUIPMENT LIST**

Phase Name	Offroad Equipment Type	Amount	Days	Usage Hours	Horse Power	Load Factor	Tier
Demolition	Concrete/Industrial Saws	1	5.00	8.00	81	0.73	4I
Demolition	Rubber Tired Dozers	0	0.00	8.00	247	0.40	0
Demolition	Tractors/Loaders/Backhoes	3	15.00	8.00	97	0.37	4
Site Preparation	Graders	1	2.00	8.00	187	0.41	3
Site Preparation	Scrapers	1	2.00	8.00	367	0.48	3
Site Preparation	Tractors/Loaders/Backhoes	1	45.00	7.00	97	0.37	4
Grading	Graders	1	5.00	8.00	187	0.41	3
Grading	Rubber Tired Dozers	0	0.00	8.00	247	0.40	0
Grading	Tractors/Loaders/Backhoes	2	8.00	7.00	97	0.37	4
Building Construction	Cranes	1	15.00	8.00	231	0.29	2
Building Construction	Forklifts	1	150.00	8.00	89	0.20	3
Building Construction	Generator Sets	1	145.00	8.00	84	0.74	4
Building Construction	Tractors/Loaders/Backhoes	0	0.00	6.00	97	0.37	0
Building Construction	Welders	2	25.00	8.00	46	0.45	4
Paving	Cement and Mortar Mixers	0	0.00	8.00	9	0.56	0
Paving	Pavers	1	1.00	8.00	130	0.42	4
Paving	Paving Equipment	1	1.00	8.00	132	0.36	2
Paving	Rollers	2	1.00	8.00	80	0.38	4I
Paving	Tractors/Loaders/Backhoes	1	1.00	8.00	97	0.37	4
Architectural Coating	Air Compressors	1	1.00	8.00	78	0.48	3
Site Utilities	Excavator	1	6.50	8.00	162	0.38	4
Site Utilities	Plate Compactors	1	4.00	8	8	0.43	2
Site Utilities	Rollers	1	2.50	8	80	0.38	3
Site Utilities	Rubber Tired Loaders	1	5.50	8	199	0.36	4
Site Utilities	Sweepers/Scrubbers	1	6.00	8	64	0.46	2
Site Utilities	Backhoes	1	20.50	8	97	0.37	4

## **APPENDIX B**

### **CALEEMOD OUTPUT SHEETS**

## CalEEMod Output Sheets – Project Applicant Construction Equipment List\*

---

\* The “mitigated” construction emissions are utilized in this report.

First Street Green Project - Bay Area AQMD Air District, Annual

**First Street Green Project**  
**Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	80.00	1000sqft	1.84	80,000.00	0
Enclosed Parking Structure	15.80	1000sqft	0.36	15,800.00	0
City Park	0.51	Acre	0.51	22,000.00	0
Fast Food Restaurant w/o Drive Thru	0.96	1000sqft	0.02	960.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2020
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	427	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



First Street Green Project - Bay Area AQMD Air District, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	220.00	300.00

First Street Green Project - Bay Area AQMD Air District, Annual

tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	3.00	20.00
tblConstructionPhase	PhaseEndDate	9/6/2019	6/28/2019
tblConstructionPhase	PhaseStartDate	7/14/2018	5/5/2018
tblGrading	AcresOfGrading	15.00	3.00
tblGrading	AcresOfGrading	30.00	4.50
tblGrading	MaterialExported	0.00	69,000.00
tblLandUse	GreenSpaceSquareFeet	22,215.60	22,000.00
tblLandUse	LandUseSquareFeet	22,215.60	22,000.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00



## First Street Green Project - Bay Area AQMD Air District, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	427
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	HaulingTripNumber	97.00	96.00
tblVehicleEF	HHD	0.62	0.69
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.12	0.17
tblVehicleEF	HHD	2.70	3.14
tblVehicleEF	HHD	1.02	1.06
tblVehicleEF	HHD	3.42	4.15
tblVehicleEF	HHD	4,628.81	4,578.45
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	22.72	25.19
tblVehicleEF	HHD	4.49	5.21
tblVehicleEF	HHD	19.70	19.70
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	9.5000e-005	1.4500e-004
tblVehicleEF	HHD	5.8140e-003	0.01
tblVehicleEF	HHD	0.69	0.81
tblVehicleEF	HHD	6.0000e-005	8.7000e-005
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.2500e-004	8.9800e-004
tblVehicleEF	HHD	0.11	0.17
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5800e-004	1.8900e-004
tblVehicleEF	HHD	9.5000e-005	1.4500e-004
tblVehicleEF	HHD	5.8140e-003	0.01
tblVehicleEF	HHD	0.79	0.93
tblVehicleEF	HHD	6.0000e-005	8.7000e-005
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.2500e-004	8.9800e-004
tblVehicleEF	HHD	0.13	0.19
tblVehicleEF	HHD	0.59	0.65
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.11	0.16
tblVehicleEF	HHD	1.97	2.29
tblVehicleEF	HHD	1.03	1.06
tblVehicleEF	HHD	3.13	3.83
tblVehicleEF	HHD	4,901.04	4,845.90
tblVehicleEF	HHD	1,675.61	1,718.24

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	23.44	25.99
tblVehicleEF	HHD	4.32	5.01
tblVehicleEF	HHD	19.68	19.67
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	2.3700e-004	3.7600e-004
tblVehicleEF	HHD	6.3260e-003	0.01
tblVehicleEF	HHD	0.65	0.76
tblVehicleEF	HHD	1.4400e-004	2.2400e-004
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.1700e-004	8.9300e-004
tblVehicleEF	HHD	0.11	0.16
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5400e-004	1.8300e-004
tblVehicleEF	HHD	2.3700e-004	3.7600e-004
tblVehicleEF	HHD	6.3260e-003	0.01

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	0.75	0.88
tblVehicleEF	HHD	1.4400e-004	2.2400e-004
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.1700e-004	8.9300e-004
tblVehicleEF	HHD	0.12	0.17
tblVehicleEF	HHD	0.67	0.74
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.13	0.19
tblVehicleEF	HHD	3.71	4.30
tblVehicleEF	HHD	1.01	1.05
tblVehicleEF	HHD	3.69	4.49
tblVehicleEF	HHD	4,252.86	4,209.10
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	21.72	24.09
tblVehicleEF	HHD	4.56	5.29
tblVehicleEF	HHD	19.72	19.72
tblVehicleEF	HHD	0.03	0.05
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	6.3370e-003	0.01
tblVehicleEF	HHD	0.74	0.87
tblVehicleEF	HHD	2.6000e-005	3.4000e-005
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.7900e-004	9.8000e-004
tblVehicleEF	HHD	0.12	0.18
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.6300e-004	1.9400e-004
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	6.3370e-003	0.01
tblVehicleEF	HHD	0.86	1.00
tblVehicleEF	HHD	2.6000e-005	3.4000e-005
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.7900e-004	9.8000e-004
tblVehicleEF	HHD	0.13	0.20
tblVehicleEF	LDA	4.9090e-003	6.2350e-003
tblVehicleEF	LDA	7.8890e-003	0.01
tblVehicleEF	LDA	0.63	0.77
tblVehicleEF	LDA	1.59	2.05
tblVehicleEF	LDA	271.43	291.94
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.14

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.12	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	2.7180e-003	2.9260e-003
tblVehicleEF	LDA	6.4300e-004	6.9000e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.12	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.12	0.16
tblVehicleEF	LDA	5.4630e-003	6.9190e-003
tblVehicleEF	LDA	6.4710e-003	8.9460e-003
tblVehicleEF	LDA	0.74	0.90
tblVehicleEF	LDA	1.24	1.61
tblVehicleEF	LDA	292.85	314.97
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.12

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.14	0.17
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	2.9340e-003	3.1570e-003
tblVehicleEF	LDA	6.3700e-004	6.8200e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.14	0.17
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.13
tblVehicleEF	LDA	4.8040e-003	6.1180e-003
tblVehicleEF	LDA	8.9430e-003	0.01
tblVehicleEF	LDA	0.62	0.76
tblVehicleEF	LDA	1.86	2.40
tblVehicleEF	LDA	268.77	289.10
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.11	0.15

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.17
tblVehicleEF	LDA	2.6920e-003	2.8970e-003
tblVehicleEF	LDA	6.4800e-004	6.9600e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.18
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.27	1.66
tblVehicleEF	LDT1	3.40	4.32
tblVehicleEF	LDT1	328.14	345.44
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.13	0.17
tblVehicleEF	LDT1	0.19	0.25



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.09	0.11
tblVehicleEF	LDT1	0.27	0.31
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.21
tblVehicleEF	LDT1	0.23	0.31
tblVehicleEF	LDT1	3.2960e-003	3.4760e-003
tblVehicleEF	LDT1	8.0100e-004	8.5000e-004
tblVehicleEF	LDT1	0.09	0.11
tblVehicleEF	LDT1	0.27	0.31
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.18	0.21
tblVehicleEF	LDT1	0.26	0.34
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.47	1.89
tblVehicleEF	LDT1	2.62	3.34
tblVehicleEF	LDT1	352.76	371.19
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.12	0.15
tblVehicleEF	LDT1	0.17	0.22

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.23	0.28
tblVehicleEF	LDT1	0.30	0.36
tblVehicleEF	LDT1	0.17	0.20
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.19	0.25
tblVehicleEF	LDT1	3.5450e-003	3.7360e-003
tblVehicleEF	LDT1	7.8700e-004	8.3200e-004
tblVehicleEF	LDT1	0.23	0.28
tblVehicleEF	LDT1	0.30	0.36
tblVehicleEF	LDT1	0.17	0.20
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.21	0.28
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	1.27	1.66
tblVehicleEF	LDT1	4.00	5.08
tblVehicleEF	LDT1	325.17	342.33
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.15	0.19
tblVehicleEF	LDT1	0.21	0.27

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.29	0.34
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.27	0.36
tblVehicleEF	LDT1	3.2670e-003	3.4450e-003
tblVehicleEF	LDT1	8.1100e-004	8.6300e-004
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.29	0.34
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.29	0.39
tblVehicleEF	LDT2	6.2630e-003	7.7980e-003
tblVehicleEF	LDT2	9.2100e-003	0.01
tblVehicleEF	LDT2	0.78	0.95
tblVehicleEF	LDT2	1.91	2.45
tblVehicleEF	LDT2	373.37	395.49
tblVehicleEF	LDT2	84.63	89.06
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.16	0.22

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT2	1.7000e-003	1.6510e-003
tblVehicleEF	LDT2	2.2550e-003	2.2360e-003
tblVehicleEF	LDT2	1.5630e-003	1.5190e-003
tblVehicleEF	LDT2	2.0740e-003	2.0580e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	3.7390e-003	3.9630e-003
tblVehicleEF	LDT2	8.7900e-004	9.3300e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.14	0.18
tblVehicleEF	LDT2	6.9560e-003	8.6270e-003
tblVehicleEF	LDT2	7.5690e-003	0.01
tblVehicleEF	LDT2	0.91	1.11
tblVehicleEF	LDT2	1.49	1.91
tblVehicleEF	LDT2	401.90	425.72
tblVehicleEF	LDT2	84.63	89.06
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.19

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LD12	1.7000e-003	1.6510e-003
tbVehicleEF	LD12	2.2550e-003	2.2360e-003
tbVehicleEF	LD12	1.5630e-003	1.5190e-003
tbVehicleEF	LD12	2.0740e-003	2.0580e-003
tbVehicleEF	LD12	0.10	0.11
tbVehicleEF	LD12	0.14	0.16
tbVehicleEF	LD12	0.08	0.09
tbVehicleEF	LD12	0.02	0.02
tbVehicleEF	LD12	0.07	0.07
tbVehicleEF	LD12	0.10	0.14
tbVehicleEF	LD12	4.0260e-003	4.2670e-003
tbVehicleEF	LD12	8.7100e-004	9.2400e-004
tbVehicleEF	LD12	0.10	0.11
tbVehicleEF	LD12	0.08	0.09
tbVehicleEF	LD12	0.03	0.03
tbVehicleEF	LD12	0.07	0.07
tbVehicleEF	LD12	0.11	0.15
tbVehicleEF	LD12	6.1220e-003	7.6450e-003
tbVehicleEF	LD12	0.01	0.01
tbVehicleEF	LD12	0.77	0.95
tbVehicleEF	LD12	2.23	2.87
tbVehicleEF	LD12	369.93	391.84
tbVehicleEF	LD12	84.63	89.06
tbVehicleEF	LD12	0.19	0.19
tbVehicleEF	LD12	0.10	0.13
tbVehicleEF	LD12	0.17	0.24

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT2	1.7000e-003	1.6510e-003
tblVehicleEF	LDT2	2.2550e-003	2.2360e-003
tblVehicleEF	LDT2	1.5630e-003	1.5190e-003
tblVehicleEF	LDT2	2.0740e-003	2.0580e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	3.7050e-003	3.9270e-003
tblVehicleEF	LDT2	8.8400e-004	9.4000e-004
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.15	0.21
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.32	1.52
tblVehicleEF	LHD1	3.04	3.38
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.63	1.86
tblVehicleEF	LHD1	1.10	1.16
tblVehicleEF	LHD1	9.0900e-004	8.8700e-004
tblVehicleEF	LHD1	9.9640e-003	9.8490e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0890e-003	1.2250e-003
tblVehicleEF	LHD1	8.7000e-004	8.4800e-004
tblVehicleEF	LHD1	2.4910e-003	2.4620e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0020e-003	1.1290e-003
tblVehicleEF	LHD1	2.5080e-003	2.5790e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3230e-003	1.3140e-003
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.32	0.32
tblVehicleEF	LHD1	0.31	0.35
tblVehicleEF	LHD1	6.9910e-003	7.1590e-003
tblVehicleEF	LHD1	3.9200e-004	4.1300e-004
tblVehicleEF	LHD1	2.5080e-003	2.5790e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3230e-003	1.3140e-003
tblVehicleEF	LHD1	0.18	0.19
tblVehicleEF	LHD1	0.32	0.32

First Street Green Project - Bay Area AQMD Air District, Annual

0.38	0.34	LHD1	tbVehicleEF
6.3730e-003	6.0100e-003	LHD1	tbVehicleEF
0.03	0.02	LHD1	tbVehicleEF
0.02	0.02	LHD1	tbVehicleEF
0.16	0.15	LHD1	tbVehicleEF
1.55	1.35	LHD1	tbVehicleEF
3.11	2.79	LHD1	tbVehicleEF
9.07	9.07	LHD1	tbVehicleEF
726.98	711.01	LHD1	tbVehicleEF
34.88	33.48	LHD1	tbVehicleEF
0.02	0.02	LHD1	tbVehicleEF
0.08	0.08	LHD1	tbVehicleEF
1.77	1.56	LHD1	tbVehicleEF
1.08	1.02	LHD1	tbVehicleEF
8.8700e-004	9.0900e-004	LHD1	tbVehicleEF
9.8490e-003	9.9640e-003	LHD1	tbVehicleEF
0.02	0.02	LHD1	tbVehicleEF
1.2250e-003	1.0890e-003	LHD1	tbVehicleEF
8.4800e-004	8.7000e-004	LHD1	tbVehicleEF
2.4620e-003	2.4910e-003	LHD1	tbVehicleEF
0.02	0.02	LHD1	tbVehicleEF
1.1290e-003	1.0020e-003	LHD1	tbVehicleEF
6.2790e-003	6.0230e-003	LHD1	tbVehicleEF
0.12	0.12	LHD1	tbVehicleEF
0.02	0.02	LHD1	tbVehicleEF
2.9320e-003	2.8770e-003	LHD1	tbVehicleEF
0.15	0.14	LHD1	tbVehicleEF



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD1	6.9910e-003	7.1590e-003
tblVehicleEF	LHD1	3.8800e-004	4.0800e-004
tblVehicleEF	LHD1	6.0230e-003	6.2790e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8770e-003	2.9320e-003
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.36
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.30	1.49
tblVehicleEF	LHD1	3.27	3.65
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.67	1.90
tblVehicleEF	LHD1	1.17	1.23
tblVehicleEF	LHD1	9.0900e-004	8.8700e-004
tblVehicleEF	LHD1	9.9640e-003	9.8490e-003
tblVehicleEF	LHD1	0.02	0.02

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	1.0890e-003	1.2250e-003
tblVehicleEF	LHD1	8.7000e-004	8.4800e-004
tblVehicleEF	LHD1	2.4910e-003	2.4620e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0020e-003	1.1290e-003
tblVehicleEF	LHD1	1.0710e-003	1.0660e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1100e-004	5.9300e-004
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.33	0.37
tblVehicleEF	LHD1	6.9900e-003	7.1580e-003
tblVehicleEF	LHD1	3.9600e-004	4.1800e-004
tblVehicleEF	LHD1	1.0710e-003	1.0660e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	6.1100e-004	5.9300e-004
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.36	0.40
tblVehicleEF	LHD2	4.0830e-003	4.4560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.70	0.85
tblVehicleEF	LHD2	1.49	1.80

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LHD2	14.11	14.16
tbVehicleEF	LHD2	731.41	751.30
tbVehicleEF	LHD2	25.96	27.34
tbVehicleEF	LHD2	5.3710e-003	5.3750e-003
tbVehicleEF	LHD2	0.11	0.12
tbVehicleEF	LHD2	1.17	1.53
tbVehicleEF	LHD2	0.58	0.67
tbVehicleEF	LHD2	1.3080e-003	1.3130e-003
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	4.9000e-004	5.8700e-004
tbVehicleEF	LHD2	1.2510e-003	1.2560e-003
tbVehicleEF	LHD2	2.6710e-003	2.6550e-003
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	4.5100e-004	5.4100e-004
tbVehicleEF	LHD2	9.6300e-004	1.1660e-003
tbVehicleEF	LHD2	0.04	0.05
tbVehicleEF	LHD2	0.01	0.02
tbVehicleEF	LHD2	5.2500e-004	6.0200e-004
tbVehicleEF	LHD2	0.12	0.13
tbVehicleEF	LHD2	0.10	0.12
tbVehicleEF	LHD2	0.14	0.17
tbVehicleEF	LHD2	1.3800e-004	1.3900e-004
tbVehicleEF	LHD2	7.1210e-003	7.3210e-003
tbVehicleEF	LHD2	2.8700e-004	3.0700e-004
tbVehicleEF	LHD2	9.6300e-004	1.1660e-003
tbVehicleEF	LHD2	0.04	0.05

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.2500e-004	6.0200e-004
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.15	0.19
tblVehicleEF	LHD2	4.0830e-003	4.4560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4580e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.71	0.86
tblVehicleEF	LHD2	1.37	1.66
tblVehicleEF	LHD2	14.11	14.16
tblVehicleEF	LHD2	731.41	751.30
tblVehicleEF	LHD2	25.96	27.34
tblVehicleEF	LHD2	5.3710e-003	5.3750e-003
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	1.13	1.47
tblVehicleEF	LHD2	0.54	0.62
tblVehicleEF	LHD2	1.3080e-003	1.3130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.9000e-004	5.8700e-004
tblVehicleEF	LHD2	1.2510e-003	1.2560e-003
tblVehicleEF	LHD2	2.6710e-003	2.6550e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.5100e-004	5.4100e-004
tblVehicleEF	LHD2	2.3000e-003	2.8300e-003

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LHD2	0.05	0.06
tbVehicleEF	LHD2	0.01	0.02
tbVehicleEF	LHD2	1.1340e-003	1.3360e-003
tbVehicleEF	LHD2	0.12	0.13
tbVehicleEF	LHD2	0.09	0.12
tbVehicleEF	LHD2	0.13	0.16
tbVehicleEF	LHD2	1.3800e-004	1.3900e-004
tbVehicleEF	LHD2	7.1210e-003	7.3210e-003
tbVehicleEF	LHD2	2.8500e-004	3.0400e-004
tbVehicleEF	LHD2	2.3000e-003	2.8300e-003
tbVehicleEF	LHD2	0.05	0.06
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	1.1340e-003	1.3360e-003
tbVehicleEF	LHD2	0.14	0.16
tbVehicleEF	LHD2	0.09	0.12
tbVehicleEF	LHD2	0.14	0.18
tbVehicleEF	LHD2	4.0830e-003	4.4560e-003
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	0.13	0.13
tbVehicleEF	LHD2	0.69	0.84
tbVehicleEF	LHD2	1.59	1.93
tbVehicleEF	LHD2	14.11	14.16
tbVehicleEF	LHD2	731.41	751.30
tbVehicleEF	LHD2	25.96	27.34
tbVehicleEF	LHD2	5.3710e-003	5.3750e-003
tbVehicleEF	LHD2	0.11	0.12

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD2	1.20	1.56
tblVehicleEF	LHD2	0.62	0.71
tblVehicleEF	LHD2	1.3080e-003	1.3130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.9000e-004	5.8700e-004
tblVehicleEF	LHD2	1.2510e-003	1.2560e-003
tblVehicleEF	LHD2	2.6710e-003	2.6550e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.5100e-004	5.4100e-004
tblVehicleEF	LHD2	4.2900e-004	4.9800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.11	0.13
tblVehicleEF	LHD2	0.14	0.18
tblVehicleEF	LHD2	1.3800e-004	1.3900e-004
tblVehicleEF	LHD2	7.1200e-003	7.3210e-003
tblVehicleEF	LHD2	2.8900e-004	3.0900e-004
tblVehicleEF	LHD2	4.2900e-004	4.9800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.11	0.13
tblVehicleEF	LHD2	0.16	0.20

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MCY	0.45	0.44
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	20.92	22.11
tblVehicleEF	MCY	10.18	10.14
tblVehicleEF	MCY	172.27	170.79
tblVehicleEF	MCY	46.79	47.74
tblVehicleEF	MCY	5.9420e-003	6.0050e-003
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	2.0050e-003	1.9200e-003
tblVehicleEF	MCY	4.4220e-003	4.8160e-003
tblVehicleEF	MCY	1.8800e-003	1.8050e-003
tblVehicleEF	MCY	4.1820e-003	4.5650e-003
tblVehicleEF	MCY	0.83	0.84
tblVehicleEF	MCY	0.77	0.80
tblVehicleEF	MCY	0.49	0.50
tblVehicleEF	MCY	2.38	2.46
tblVehicleEF	MCY	0.67	0.72
tblVehicleEF	MCY	2.29	2.34
tblVehicleEF	MCY	2.1330e-003	2.1390e-003
tblVehicleEF	MCY	7.0200e-004	7.1200e-004
tblVehicleEF	MCY	0.83	0.84
tblVehicleEF	MCY	0.77	0.80
tblVehicleEF	MCY	0.49	0.50
tblVehicleEF	MCY	2.91	2.98
tblVehicleEF	MCY	0.67	0.72
tblVehicleEF	MCY	2.49	2.54

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	MCY	0.43	0.42
tbVehicleEF	MCY	0.14	0.14
tbVehicleEF	MCY	19.84	20.90
tbVehicleEF	MCY	8.91	8.92
tbVehicleEF	MCY	172.27	170.79
tbVehicleEF	MCY	46.79	47.74
tbVehicleEF	MCY	5.9420e-003	6.0050e-003
tbVehicleEF	MCY	1.03	1.03
tbVehicleEF	MCY	0.29	0.29
tbVehicleEF	MCY	2.0050e-003	1.9200e-003
tbVehicleEF	MCY	4.4220e-003	4.8160e-003
tbVehicleEF	MCY	1.8800e-003	1.8050e-003
tbVehicleEF	MCY	4.1820e-003	4.5650e-003
tbVehicleEF	MCY	2.31	2.33
tbVehicleEF	MCY	0.98	1.01
tbVehicleEF	MCY	1.41	1.43
tbVehicleEF	MCY	2.27	2.33
tbVehicleEF	MCY	0.63	0.67
tbVehicleEF	MCY	1.89	1.92
tbVehicleEF	MCY	2.1130e-003	2.1160e-003
tbVehicleEF	MCY	6.6900e-004	6.7900e-004
tbVehicleEF	MCY	2.31	2.33
tbVehicleEF	MCY	0.98	1.01
tbVehicleEF	MCY	1.41	1.43
tbVehicleEF	MCY	2.79	2.84
tbVehicleEF	MCY	0.63	0.67
tbVehicleEF	MCY	2.06	2.09



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MCY	0.47	0.46
tblVehicleEF	MCY	0.20	0.20
tblVehicleEF	MCY	22.72	24.09
tblVehicleEF	MCY	11.58	11.52
tblVehicleEF	MCY	172.27	170.79
tblVehicleEF	MCY	46.79	47.74
tblVehicleEF	MCY	5.9420e-003	6.0050e-003
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	2.0050e-003	1.9200e-003
tblVehicleEF	MCY	4.4220e-003	4.8160e-003
tblVehicleEF	MCY	1.8800e-003	1.8050e-003
tblVehicleEF	MCY	4.1820e-003	4.5650e-003
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.93	0.97
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	2.49	2.58
tblVehicleEF	MCY	0.79	0.84
tblVehicleEF	MCY	2.67	2.73
tblVehicleEF	MCY	2.1650e-003	2.1750e-003
tblVehicleEF	MCY	7.3600e-004	7.4700e-004
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.93	0.97
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	3.05	3.13
tblVehicleEF	MCY	0.79	0.84
tblVehicleEF	MCY	2.90	2.97

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	1.37	1.60
tblVehicleEF	MDV	3.60	4.26
tblVehicleEF	MDV	495.13	519.40
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.33	0.40
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.28	0.35
tblVehicleEF	MDV	4.9610e-003	5.2080e-003
tblVehicleEF	MDV	1.1680e-003	1.2260e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.31	0.38

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.58	1.84
tblVehicleEF	MDV	2.82	3.35
tblVehicleEF	MDV	532.29	558.48
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.16	0.19
tblVehicleEF	MDV	0.29	0.35
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.23	0.28
tblVehicleEF	MDV	5.3360e-003	5.6020e-003
tblVehicleEF	MDV	1.1540e-003	1.2090e-003
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.25	0.31

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	1.38	1.61
tblVehicleEF	MDV	4.21	4.99
tblVehicleEF	MDV	490.55	514.56
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.19	0.24
tblVehicleEF	MDV	0.35	0.44
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.32	0.39
tblVehicleEF	MDV	4.9160e-003	5.1600e-003
tblVehicleEF	MDV	1.1790e-003	1.2390e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.35	0.43

First Street Green Project - Bay Area AQMD Air District, Annual

0.06	0.04	MH	0.06
0.04	0.03	MH	0.04
5.27	3.51	MH	5.27
8.77	7.25	MH	8.77
1,241.02	1,228.67	MH	1,241.02
67.17	61.77	MH	67.17
8.6400e-004	8.1200e-004	MH	8.6400e-004
1.82	1.60	MH	1.82
1.05	0.96	MH	1.05
0.01	0.01	MH	0.01
0.03	0.03	MH	0.03
2.2990e-003	1.5510e-003	MH	2.2990e-003
3.2090e-003	3.2150e-003	MH	3.2090e-003
0.03	0.03	MH	0.03
2.1450e-003	1.4350e-003	MH	2.1450e-003
1.10	0.94	MH	1.10
0.10	0.09	MH	0.10
0.39	0.34	MH	0.39
0.21	0.15	MH	0.21
0.03	0.02	MH	0.03
0.57	0.44	MH	0.57
0.01	0.01	MH	0.01
8.2700e-004	7.4500e-004	MH	8.2700e-004
1.10	0.94	MH	1.10
0.10	0.09	MH	0.10
0.39	0.34	MH	0.39
0.28	0.20	MH	0.28

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.48	0.63
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	3.63	5.32
tblVehicleEF	MH	6.56	8.00
tblVehicleEF	MH	1,228.67	1,241.02
tblVehicleEF	MH	61.77	67.17
tblVehicleEF	MH	8.1200e-004	8.6400e-004
tblVehicleEF	MH	1.50	1.70
tblVehicleEF	MH	0.89	0.97
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5510e-003	2.2990e-003
tblVehicleEF	MH	3.2150e-003	3.2090e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4350e-003	2.1450e-003
tblVehicleEF	MH	2.28	2.70
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.76	0.90
tblVehicleEF	MH	0.15	0.21
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.40	0.53
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.3300e-004	8.1300e-004
tblVehicleEF	MH	2.28	2.70
tblVehicleEF	MH	0.09	0.11

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MH	0.76	0.90
tblVehicleEF	MH	0.21	0.28
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.44	0.58
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.03	0.05
tblVehicleEF	MH	3.46	5.35
tblVehicleEF	MH	7.91	9.58
tblVehicleEF	MH	1,228.67	1,241.02
tblVehicleEF	MH	61.77	67.17
tblVehicleEF	MH	8.1200e-004	8.6400e-004
tblVehicleEF	MH	1.66	1.89
tblVehicleEF	MH	1.02	1.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5510e-003	2.2990e-003
tblVehicleEF	MH	3.2150e-003	3.2090e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4350e-003	2.1450e-003
tblVehicleEF	MH	0.37	0.42
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.15	0.17
tblVehicleEF	MH	0.15	0.21
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.46	0.61
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.5600e-004	8.4100e-004

First Street Green Project - Bay Area AQMD Air District, Annual

0.42	0.37	MH	tbVehicleEF
0.12	0.10	MH	tbVehicleEF
0.17	0.15	MH	tbVehicleEF
0.28	0.20	MH	tbVehicleEF
0.03	0.02	MH	tbVehicleEF
0.67	0.51	MH	tbVehicleEF
0.02	0.02	MH	tbVehicleEF
0.02	9.9170e-003	MH	tbVehicleEF
0.08	0.06	MH	tbVehicleEF
0.52	0.44	MH	tbVehicleEF
1.02	0.64	MH	tbVehicleEF
9.11	7.43	MH	tbVehicleEF
151.94	151.53	MH	tbVehicleEF
1,218.04	1,207.41	MH	tbVehicleEF
59.83	57.19	MH	tbVehicleEF
0.02	0.02	MH	tbVehicleEF
1.29	0.97	MH	tbVehicleEF
3.44	2.26	MH	tbVehicleEF
11.38	11.36	MH	tbVehicleEF
5.8480e-003	3.0950e-003	MH	tbVehicleEF
0.09	0.05	MH	tbVehicleEF
1.2660e-003	9.6600e-004	MH	tbVehicleEF
5.5950e-003	2.9610e-003	MH	tbVehicleEF
0.09	0.04	MH	tbVehicleEF
1.1700e-003	8.8900e-004	MH	tbVehicleEF
1.2470e-003	1.0180e-003	MH	tbVehicleEF
0.06	0.05	MH	tbVehicleEF



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	5.3600e-004	6.3100e-004
tblVehicleEF	MHD	0.12	0.23
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.44	0.55
tblVehicleEF	MHD	1.4570e-003	1.4620e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.0200e-004	7.5900e-004
tblVehicleEF	MHD	1.0180e-003	1.2470e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	5.3600e-004	6.3100e-004
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.48	0.61
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.31	0.37
tblVehicleEF	MHD	0.66	1.03
tblVehicleEF	MHD	6.78	8.33
tblVehicleEF	MHD	160.66	161.10
tblVehicleEF	MHD	1,207.41	1,218.04
tblVehicleEF	MHD	57.19	59.83
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.00	1.33
tblVehicleEF	MHD	2.17	3.30

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	11.28	11.29
tblVehicleEF	MHD	2.6090e-003	4.9300e-003
tblVehicleEF	MHD	0.05	0.09
tblVehicleEF	MHD	9.6600e-004	1.2660e-003
tblVehicleEF	MHD	2.4960e-003	4.7170e-003
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	8.8900e-004	1.1700e-003
tblVehicleEF	MHD	2.5140e-003	3.1420e-003
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.2420e-003	1.5180e-003
tblVehicleEF	MHD	0.12	0.23
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.41	0.51
tblVehicleEF	MHD	1.5430e-003	1.5480e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.9100e-004	7.4500e-004
tblVehicleEF	MHD	2.5140e-003	3.1420e-003
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	1.2420e-003	1.5180e-003
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.45	0.56
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.7820e-003	0.02
tblVehicleEF	MHD	0.07	0.08

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	MHD	0.58	0.69
tbVehicleEF	MHD	0.64	1.01
tbVehicleEF	MHD	8.00	9.82
tbVehicleEF	MHD	139.26	139.65
tbVehicleEF	MHD	1,207.41	1,218.04
tbVehicleEF	MHD	57.19	59.83
tbVehicleEF	MHD	0.02	0.02
tbVehicleEF	MHD	0.92	1.23
tbVehicleEF	MHD	2.30	3.50
tbVehicleEF	MHD	11.42	11.45
tbVehicleEF	MHD	3.7660e-003	7.1160e-003
tbVehicleEF	MHD	0.05	0.09
tbVehicleEF	MHD	9.6600e-004	1.2660e-003
tbVehicleEF	MHD	3.6030e-003	6.8090e-003
tbVehicleEF	MHD	0.04	0.09
tbVehicleEF	MHD	8.8900e-004	1.1700e-003
tbVehicleEF	MHD	4.2600e-004	4.9700e-004
tbVehicleEF	MHD	0.05	0.07
tbVehicleEF	MHD	0.04	0.04
tbVehicleEF	MHD	2.3400e-004	2.6300e-004
tbVehicleEF	MHD	0.12	0.23
tbVehicleEF	MHD	0.03	0.03
tbVehicleEF	MHD	0.47	0.58
tbVehicleEF	MHD	1.3420e-003	1.3460e-003
tbVehicleEF	MHD	0.01	0.01
tbVehicleEF	MHD	7.1200e-004	7.7100e-004
tbVehicleEF	MHD	4.2600e-004	4.9700e-004

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	2.3400e-004	2.6300e-004
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.51	0.64
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.29	0.30
tblVehicleEF	OBUS	0.74	0.96
tblVehicleEF	OBUS	6.29	7.17
tblVehicleEF	OBUS	126.46	123.21
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.78	0.86
tblVehicleEF	OBUS	2.45	2.87
tblVehicleEF	OBUS	3.35	3.40
tblVehicleEF	OBUS	3.6800e-004	5.0900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	3.5200e-004	4.8700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	1.1640e-003	1.2340e-003
tblVehicleEF	OBUS	0.02	0.02

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.3400e-004	5.4900e-004
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.39	0.45
tblVehicleEF	OBUS	1.2180e-003	1.1870e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	8.0900e-004
tblVehicleEF	OBUS	1.1640e-003	1.2340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	5.3400e-004	5.4900e-004
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.43	0.49
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.28
tblVehicleEF	OBUS	0.76	0.98
tblVehicleEF	OBUS	5.72	6.52
tblVehicleEF	OBUS	133.00	129.55
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.81	0.89
tblVehicleEF	OBUS	2.34	2.74

First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	3.28	3.31
tblVehicleEF	OBUS	3.1000e-004	4.2900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	2.9600e-004	4.1100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	2.7110e-003	2.9100e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.1710e-003	1.2360e-003
tblVehicleEF	OBUS	0.09	0.11
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.37	0.42
tblVehicleEF	OBUS	1.2810e-003	1.2480e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6700e-004	7.9800e-004
tblVehicleEF	OBUS	2.7110e-003	2.9100e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.1710e-003	1.2360e-003
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.40	0.46
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.04

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	0.32	0.33
tblVehicleEF	OBUS	0.73	0.94
tblVehicleEF	OBUS	6.77	7.73
tblVehicleEF	OBUS	117.42	114.46
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.75	0.82
tblVehicleEF	OBUS	2.49	2.92
tblVehicleEF	OBUS	3.42	3.47
tblVehicleEF	OBUS	4.4700e-004	6.1900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	4.2800e-004	5.9300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	5.7700e-004	5.9100e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.5700e-004	2.5900e-004
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.41	0.48
tblVehicleEF	OBUS	1.1320e-003	1.1040e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	8.1800e-004
tblVehicleEF	OBUS	5.7700e-004	5.9100e-004

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	2.5700e-004	2.5900e-004
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.45	0.52
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	5.40	5.13
tblVehicleEF	SBUS	0.87	1.03
tblVehicleEF	SBUS	6.36	6.69
tblVehicleEF	SBUS	1,288.91	1,314.86
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14
tblVehicleEF	SBUS	8.7700e-004	8.6800e-004
tblVehicleEF	SBUS	13.15	14.73
tblVehicleEF	SBUS	5.51	6.39
tblVehicleEF	SBUS	15.68	16.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.6500e-004	5.8000e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	2.7770e-003	2.7940e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.1900e-004	5.3300e-004



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	1.9710e-003	2.3990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.65	0.62
tblVehicleEF	SBUS	8.0700e-004	8.9200e-004
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.32	0.33
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4600e-004	4.2700e-004
tblVehicleEF	SBUS	1.9710e-003	2.3990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.93	0.88
tblVehicleEF	SBUS	8.0700e-004	8.9200e-004
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.34	0.37
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.07	0.08
tblVehicleEF	SBUS	5.24	4.94
tblVehicleEF	SBUS	0.89	1.05
tblVehicleEF	SBUS	4.66	4.91
tblVehicleEF	SBUS	1,355.64	1,383.85
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14
tblVehicleEF	SBUS	8.7700e-004	8.6800e-004

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	13.58	15.20
tblVehicleEF	SBUS	5.29	6.13
tblVehicleEF	SBUS	15.64	16.13
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.6500e-004	5.8000e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	2.7770e-003	2.7940e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.1900e-004	5.3300e-004
tblVehicleEF	SBUS	4.5750e-003	5.6890e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.65	0.62
tblVehicleEF	SBUS	1.7980e-003	2.0490e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	9.4490e-003	0.01
tblVehicleEF	SBUS	0.26	0.28
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.1700e-004	3.9700e-004
tblVehicleEF	SBUS	4.5750e-003	5.6890e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.93	0.88
tblVehicleEF	SBUS	1.7980e-003	2.0490e-003
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	9.4490e-003	0.01

First Street Green Project - Bay Area AQMD Air District, Annual

0.31	0.29	SBUS	tbVehicleEF
0.90	0.89	SBUS	tbVehicleEF
0.02	0.01	SBUS	tbVehicleEF
0.11	0.10	SBUS	tbVehicleEF
5.39	5.63	SBUS	tbVehicleEF
1.01	0.85	SBUS	tbVehicleEF
8.37	7.95	SBUS	tbVehicleEF
1,219.58	1,196.76	SBUS	tbVehicleEF
1,172.94	1,154.61	SBUS	tbVehicleEF
31.14	33.60	SBUS	tbVehicleEF
8.6800e-004	8.7700e-004	SBUS	tbVehicleEF
14.07	12.57	SBUS	tbVehicleEF
6.50	5.61	SBUS	tbVehicleEF
16.20	15.71	SBUS	tbVehicleEF
0.02	0.02	SBUS	tbVehicleEF
0.02	0.02	SBUS	tbVehicleEF
5.8000e-004	5.6500e-004	SBUS	tbVehicleEF
0.04	0.03	SBUS	tbVehicleEF
2.7940e-003	2.7770e-003	SBUS	tbVehicleEF
0.04	0.03	SBUS	tbVehicleEF
5.3300e-004	5.1900e-004	SBUS	tbVehicleEF
1.0470e-003	9.4300e-004	SBUS	tbVehicleEF
0.03	0.02	SBUS	tbVehicleEF
0.63	0.66	SBUS	tbVehicleEF
4.1400e-004	3.9300e-004	SBUS	tbVehicleEF
0.14	0.13	SBUS	tbVehicleEF

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.36	0.38
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.7200e-004	4.5500e-004
tblVehicleEF	SBUS	9.4300e-004	1.0470e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.94	0.89
tblVehicleEF	SBUS	3.9300e-004	4.1400e-004
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.39	0.42
tblVehicleEF	UBUS	0.30	0.31
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.15	7.47
tblVehicleEF	UBUS	8.31	8.36
tblVehicleEF	UBUS	2,178.97	2,231.08
tblVehicleEF	UBUS	85.39	77.02
tblVehicleEF	UBUS	2.4420e-003	2.6830e-003
tblVehicleEF	UBUS	13.34	15.45
tblVehicleEF	UBUS	16.06	16.71
tblVehicleEF	UBUS	0.64	0.67
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	8.6900e-004	9.7900e-004
tblVehicleEF	UBUS	0.28	0.29
tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	UBUS	2.6490e-003	2.8250e-003
tbVehicleEF	UBUS	0.06	0.07
tbVehicleEF	UBUS	1.3090e-003	1.3660e-003
tbVehicleEF	UBUS	0.81	0.97
tbVehicleEF	UBUS	0.01	0.01
tbVehicleEF	UBUS	0.61	0.63
tbVehicleEF	UBUS	0.02	0.02
tbVehicleEF	UBUS	1.0030e-003	9.2100e-004
tbVehicleEF	UBUS	2.6490e-003	2.8250e-003
tbVehicleEF	UBUS	0.06	0.07
tbVehicleEF	UBUS	1.3090e-003	1.3660e-003
tbVehicleEF	UBUS	1.18	1.36
tbVehicleEF	UBUS	0.01	0.01
tbVehicleEF	UBUS	0.66	0.69
tbVehicleEF	UBUS	0.30	0.31
tbVehicleEF	UBUS	0.04	0.04
tbVehicleEF	UBUS	6.22	7.46
tbVehicleEF	UBUS	6.51	6.59
tbVehicleEF	UBUS	2,178.97	2,231.08
tbVehicleEF	UBUS	85.39	77.02
tbVehicleEF	UBUS	2.4420e-003	2.6830e-003
tbVehicleEF	UBUS	12.78	14.81
tbVehicleEF	UBUS	15.98	16.64
tbVehicleEF	UBUS	0.64	0.67
tbVehicleEF	UBUS	0.28	0.32
tbVehicleEF	UBUS	8.6900e-004	9.7900e-004
tbVehicleEF	UBUS	0.28	0.29

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	6.4350e-003	6.9060e-003
tblVehicleEF	UBUS	0.06	0.07
tblVehicleEF	UBUS	2.9500e-003	3.2210e-003
tblVehicleEF	UBUS	0.82	0.98
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.52	0.54
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7200e-004	8.9000e-004
tblVehicleEF	UBUS	6.4350e-003	6.9060e-003
tblVehicleEF	UBUS	0.06	0.07
tblVehicleEF	UBUS	2.9500e-003	3.2210e-003
tblVehicleEF	UBUS	1.20	1.38
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.57	0.59
tblVehicleEF	UBUS	0.30	0.30
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.10	7.50
tblVehicleEF	UBUS	9.94	9.97
tblVehicleEF	UBUS	2,178.97	2,231.08
tblVehicleEF	UBUS	85.39	77.02
tblVehicleEF	UBUS	2.4420e-003	2.6830e-003
tblVehicleEF	UBUS	13.55	15.70
tblVehicleEF	UBUS	16.12	16.77
tblVehicleEF	UBUS	0.64	0.67
tblVehicleEF	UBUS	0.28	0.32

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	UBUS	8.6900e-004	9.7900e-004
tblVehicleEF	UBUS	0.28	0.29
tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	1.1230e-003	1.1820e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	5.5800e-004	5.3600e-004
tblVehicleEF	UBUS	0.81	0.97
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.0310e-003	9.4900e-004
tblVehicleEF	UBUS	1.1230e-003	1.1820e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	5.5800e-004	5.3600e-004
tblVehicleEF	UBUS	1.17	1.36
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.74	0.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	20.84
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	10.86
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	14.69

First Street Green Project - Bay Area AQMD Air District, Annual

**2.0 Emissions Summary**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.3093	3.6732	1.8449	6.6600e-003	0.1342	0.1198	0.2540	0.0343	0.1143	0.1486	0.0000	617.9419	617.9419	0.0671	0.0000	619.6189
2019	0.6500	1.9372	1.4609	2.8200e-003	0.0357	0.1005	0.1363	9.6900e-003	0.0950	0.1047	0.0000	247.7253	247.7253	0.0481	0.0000	248.9278
<b>Maximum</b>	<b>0.6500</b>	<b>3.6732</b>	<b>1.8449</b>	<b>6.6600e-003</b>	<b>0.1342</b>	<b>0.1198</b>	<b>0.2540</b>	<b>0.0343</b>	<b>0.1143</b>	<b>0.1486</b>	<b>0.0000</b>	<b>617.9419</b>	<b>617.9419</b>	<b>0.0671</b>	<b>0.0000</b>	<b>619.6189</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.1085	2.5675	1.8883	6.6600e-003	0.1241	0.0293	0.1533	0.0329	0.0289	0.0618	0.0000	617.9416	617.9416	0.0671	0.0000	619.6187
2019	0.5098	1.2641	1.5310	2.8200e-003	0.0357	0.0417	0.0775	9.6900e-003	0.0405	0.0502	0.0000	247.7250	247.7250	0.0481	0.0000	248.9276
<b>Maximum</b>	<b>0.5098</b>	<b>2.5675</b>	<b>1.8883</b>	<b>6.6600e-003</b>	<b>0.1241</b>	<b>0.0417</b>	<b>0.1533</b>	<b>0.0329</b>	<b>0.0405</b>	<b>0.0618</b>	<b>0.0000</b>	<b>617.9416</b>	<b>617.9416</b>	<b>0.0671</b>	<b>0.0000</b>	<b>619.6187</b>



## First Street Green Project - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	35.54	31.71	-3.44	0.00	5.93	67.78	40.86	3.27	66.83	55.78	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2018	3-31-2018	0.8427	0.4761
2	4-1-2018	6-30-2018	1.7407	1.4348
3	7-1-2018	9-30-2018	0.6870	0.3709
4	10-1-2018	12-31-2018	0.6896	0.3735
5	1-1-2019	3-31-2019	0.6149	0.3593
6	4-1-2019	6-30-2019	0.6059	0.3531
7	7-1-2019	9-30-2019	0.1154	0.0627
		Highest	1.7407	1.4348

First Street Green Project - Bay Area AQMD Air District, Annual

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
Energy	8.1700e-003	0.0743	0.0624	4.5000e-004		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	0.0000	389.4080	389.4080	0.0225	5.8200e-003	391.7044
Mobile	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248
Waste						0.0000	0.0000		0.0000	0.0000	17.3557	0.0000	17.3557	1.0257	0.0000	42.9981
Water						0.0000	0.0000		0.0000	0.0000	4.6034	21.5391	26.1425	0.4743	0.0115	41.4164
<b>Total</b>	<b>0.7929</b>	<b>2.0641</b>	<b>4.9386</b>	<b>0.0142</b>	<b>1.0692</b>	<b>0.0242</b>	<b>1.0933</b>	<b>0.2871</b>	<b>0.0231</b>	<b>0.3102</b>	<b>21.9591</b>	<b>1,668.9150</b>	<b>1,690.8742</b>	<b>1.5768</b>	<b>0.0173</b>	<b>1,735.4455</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
Energy	7.8000e-003	0.0710	0.0596	4.3000e-004		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003	0.0000	380.1465	380.1465	0.0221	5.6700e-003	382.3881
Mobile	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248
Waste						0.0000	0.0000		0.0000	0.0000	17.3557	0.0000	17.3557	1.0257	0.0000	42.9981
Water						0.0000	0.0000		0.0000	0.0000	4.6034	21.5391	26.1425	0.4743	0.0115	41.4164
<b>Total</b>	<b>0.7925</b>	<b>2.0607</b>	<b>4.9357</b>	<b>0.0142</b>	<b>1.0692</b>	<b>0.0239</b>	<b>1.0931</b>	<b>0.2871</b>	<b>0.0229</b>	<b>0.3099</b>	<b>21.9591</b>	<b>1,659.6535</b>	<b>1,681.6126</b>	<b>1.5764</b>	<b>0.0171</b>	<b>1,726.1293</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.05</b>	<b>0.16</b>	<b>0.06</b>	<b>0.14</b>	<b>0.00</b>	<b>1.08</b>	<b>0.02</b>	<b>0.00</b>	<b>1.12</b>	<b>0.08</b>	<b>0.00</b>	<b>0.55</b>	<b>0.55</b>	<b>0.03</b>	<b>0.87</b>	<b>0.54</b>

**3.0 Construction Detail**

**Construction Phase**

First Street Green Project - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	2/23/2018	5	40	
2	Site Preparation	Site Preparation	2/24/2018	3/23/2018	5	20	
3	Grading	Grading	3/24/2018	5/4/2018	5	30	
4	Building Construction	Building Construction	5/5/2018	6/28/2019	5	300	
5	Site Utilities	Trenching	6/29/2019	9/6/2019	5	50	
6	Paving	Paving	9/7/2019	11/1/2019	5	40	
7	Architectural Coating	Architectural Coating	11/2/2019	12/27/2019	5	40	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0.36

Residential Indoor: 0; Residential Outdoor: 121,440; Non-Residential Indoor: 40,480; Striped Parking Area: 948 (Architectural Coating – sqft)

Offroad Equipment

## First Street Green Project - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48
Site Utilities	Excavators	1	8.00	158	0.38
Site Utilities	Plate Compactors	1	8.00	8	0.43
Site Utilities	Rollers	1	8.00	80	0.38
Site Utilities	Rubber Tired Dozers	1	8.00	247	0.40
Site Utilities	Sweepers/Scrubbers	1	8.00	64	0.46
Site Utilities	Tractors/Loaders/Backhoes	1	8.00	97	0.37

First Street Green Project - Bay Area AQMD Air District, Annual

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	96.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	8,625.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	42.00	19.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

First Street Green Project - Bay Area AQMD Air District, Annual

**3.2 Demolition - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0104	0.0000	0.0104	1.5800e-003	0.0000	1.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2361	0.2147	3.1000e-004		0.0165	0.0165		0.0156	0.0156	0.0000	27.7779	27.7779	6.1300e-003	0.0000	27.9312
<b>Total</b>	<b>0.0264</b>	<b>0.2361</b>	<b>0.2147</b>	<b>3.1000e-004</b>	<b>0.0104</b>	<b>0.0165</b>	<b>0.0270</b>	<b>1.5800e-003</b>	<b>0.0156</b>	<b>0.0172</b>	<b>0.0000</b>	<b>27.7779</b>	<b>27.7779</b>	<b>6.1300e-003</b>	<b>0.0000</b>	<b>27.9312</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6000e-004	0.0158	3.0200e-003	4.0000e-005	8.1000e-004	6.0000e-005	8.7000e-004	2.2000e-004	6.0000e-005	2.8000e-004	0.0000	3.7562	3.7562	2.0000e-004	0.0000	3.7612
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.1000e-004	6.1800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4738	1.4738	4.0000e-005	0.0000	1.4748
<b>Total</b>	<b>1.2600e-003</b>	<b>0.0164</b>	<b>9.2000e-003</b>	<b>6.0000e-005</b>	<b>2.3900e-003</b>	<b>7.0000e-005</b>	<b>2.4600e-003</b>	<b>6.4000e-004</b>	<b>7.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>5.2299</b>	<b>5.2299</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>5.2360</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.2 Demolition - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7000e-003	0.0000	4.7000e-003	7.1000e-004	0.0000	7.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5700e-003	0.0545	0.2177	3.1000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	27.7778	27.7778	6.1300e-003	0.0000	27.9311
<b>Total</b>	<b>4.5700e-003</b>	<b>0.0545</b>	<b>0.2177</b>	<b>3.1000e-004</b>	<b>4.7000e-003</b>	<b>4.7000e-004</b>	<b>5.1700e-003</b>	<b>7.1000e-004</b>	<b>4.7000e-004</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>27.7778</b>	<b>27.7778</b>	<b>6.1300e-003</b>	<b>0.0000</b>	<b>27.9311</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6000e-004	0.0158	3.0200e-003	4.0000e-005	8.1000e-004	6.0000e-005	8.7000e-004	2.2000e-004	6.0000e-005	2.8000e-004	0.0000	3.7562	3.7562	2.0000e-004	0.0000	3.7612
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.1000e-004	6.1800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4738	1.4738	4.0000e-005	0.0000	1.4748
<b>Total</b>	<b>1.2600e-003</b>	<b>0.0164</b>	<b>9.2000e-003</b>	<b>6.0000e-005</b>	<b>2.3900e-003</b>	<b>7.0000e-005</b>	<b>2.4600e-003</b>	<b>6.4000e-004</b>	<b>7.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>5.2299</b>	<b>5.2299</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>5.2360</b>



First Street Green Project - Bay Area AQMD Air District, Annual

**3.3 Site Preparation - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.2362	0.1275	2.5000e-004		9.5400e-003	9.5400e-003		8.7800e-003	8.7800e-003	0.0000	22.3931	22.3931	6.9700e-003	0.0000	22.5674
<b>Total</b>	<b>0.0190</b>	<b>0.2362</b>	<b>0.1275</b>	<b>2.5000e-004</b>	<b>2.3900e-003</b>	<b>9.5400e-003</b>	<b>0.0119</b>	<b>2.6000e-004</b>	<b>8.7800e-003</b>	<b>9.0400e-003</b>	<b>0.0000</b>	<b>22.3931</b>	<b>22.3931</b>	<b>6.9700e-003</b>	<b>0.0000</b>	<b>22.5674</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.5000e-004	2.4700e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5895	0.5895	2.0000e-005	0.0000	0.5899
<b>Total</b>	<b>3.2000e-004</b>	<b>2.5000e-004</b>	<b>2.4700e-003</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>6.4000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.5895</b>	<b>0.5895</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5899</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.3 Site Preparation - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0700e-003	0.0000	1.0700e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6800e-003	0.1049	0.1364	2.5000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003	0.0000	22.3930	22.3930	6.9700e-003	0.0000	22.5673
<b>Total</b>	<b>5.6800e-003</b>	<b>0.1049</b>	<b>0.1364</b>	<b>2.5000e-004</b>	<b>1.0700e-003</b>	<b>3.9700e-003</b>	<b>5.0400e-003</b>	<b>1.2000e-004</b>	<b>3.9700e-003</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>22.3930</b>	<b>22.3930</b>	<b>6.9700e-003</b>	<b>0.0000</b>	<b>22.5673</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.5000e-004	2.4700e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5895	0.5895	2.0000e-005	0.0000	0.5899
<b>Total</b>	<b>3.2000e-004</b>	<b>2.5000e-004</b>	<b>2.4700e-003</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>6.4000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.5895</b>	<b>0.5895</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5899</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.4900e-003	0.0000	5.4900e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0148	0.1759	0.0901	1.8000e-004		8.3700e-003	8.3700e-003		7.7000e-003	7.7000e-003	0.0000	16.5647	16.5647	5.1600e-003	0.0000	16.6936
<b>Total</b>	<b>0.0148</b>	<b>0.1759</b>	<b>0.0901</b>	<b>1.8000e-004</b>	<b>5.4900e-003</b>	<b>8.3700e-003</b>	<b>0.0139</b>	<b>7.6000e-004</b>	<b>7.7000e-003</b>	<b>8.4600e-003</b>	<b>0.0000</b>	<b>16.5647</b>	<b>16.5647</b>	<b>5.1600e-003</b>	<b>0.0000</b>	<b>16.6936</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0414	1.4221	0.2711	3.4900e-003	0.0728	5.6500e-003	0.0785	0.0200	5.4000e-003	0.0254	0.0000	337.4695	337.4695	0.0179	0.0000	337.9165
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.7000e-004	3.7100e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8843	0.8843	3.0000e-005	0.0000	0.8849
<b>Total</b>	<b>0.0418</b>	<b>1.4225</b>	<b>0.2748</b>	<b>3.5000e-003</b>	<b>0.0738</b>	<b>5.6600e-003</b>	<b>0.0794</b>	<b>0.0203</b>	<b>5.4100e-003</b>	<b>0.0257</b>	<b>0.0000</b>	<b>338.3537</b>	<b>338.3537</b>	<b>0.0179</b>	<b>0.0000</b>	<b>338.8014</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4700e-003	0.0000	2.4700e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4300e-003	0.0514	0.1142	1.8000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003	0.0000	16.5646	16.5646	5.1600e-003	0.0000	16.6936
<b>Total</b>	<b>3.4300e-003</b>	<b>0.0514</b>	<b>0.1142</b>	<b>1.8000e-004</b>	<b>2.4700e-003</b>	<b>1.9200e-003</b>	<b>4.3900e-003</b>	<b>3.4000e-004</b>	<b>1.9200e-003</b>	<b>2.2600e-003</b>	<b>0.0000</b>	<b>16.5646</b>	<b>16.5646</b>	<b>5.1600e-003</b>	<b>0.0000</b>	<b>16.6936</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0414	1.4221	0.2711	3.4900e-003	0.0728	5.6500e-003	0.0785	0.0200	5.4000e-003	0.0254	0.0000	337.4695	337.4695	0.0179	0.0000	337.9165
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.7000e-004	3.7100e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8843	0.8843	3.0000e-005	0.0000	0.8849
<b>Total</b>	<b>0.0418</b>	<b>1.4225</b>	<b>0.2748</b>	<b>3.5000e-003</b>	<b>0.0738</b>	<b>5.6600e-003</b>	<b>0.0794</b>	<b>0.0203</b>	<b>5.4100e-003</b>	<b>0.0257</b>	<b>0.0000</b>	<b>338.3537</b>	<b>338.3537</b>	<b>0.0179</b>	<b>0.0000</b>	<b>338.8014</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1828	1.3571	0.9575	1.6200e-003		0.0778	0.0778		0.0749	0.0749	0.0000	137.4731	137.4731	0.0274	0.0000	138.1579
<b>Total</b>	<b>0.1828</b>	<b>1.3571</b>	<b>0.9575</b>	<b>1.6200e-003</b>		<b>0.0778</b>	<b>0.0778</b>		<b>0.0749</b>	<b>0.0749</b>	<b>0.0000</b>	<b>137.4731</b>	<b>137.4731</b>	<b>0.0274</b>	<b>0.0000</b>	<b>138.1579</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.5400e-003	0.2177	0.0578	4.5000e-004	0.0107	1.6700e-003	0.0123	3.0800e-003	1.6000e-003	4.6800e-003	0.0000	43.0988	43.0988	2.4800e-003	0.0000	43.1608
Worker	0.0144	0.0110	0.1109	2.9000e-004	0.0284	2.0000e-004	0.0286	7.5500e-003	1.8000e-004	7.7300e-003	0.0000	26.4613	26.4613	7.8000e-004	0.0000	26.4808
<b>Total</b>	<b>0.0230</b>	<b>0.2287</b>	<b>0.1687</b>	<b>7.4000e-004</b>	<b>0.0390</b>	<b>1.8700e-003</b>	<b>0.0409</b>	<b>0.0106</b>	<b>1.7800e-003</b>	<b>0.0124</b>	<b>0.0000</b>	<b>69.5601</b>	<b>69.5601</b>	<b>3.2600e-003</b>	<b>0.0000</b>	<b>69.6417</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0285	0.6888	0.9647	1.6200e-003		0.0153	0.0153		0.0153	0.0153	0.0000	137.4729	137.4729	0.0274	0.0000	138.1577
<b>Total</b>	<b>0.0285</b>	<b>0.6888</b>	<b>0.9647</b>	<b>1.6200e-003</b>		<b>0.0153</b>	<b>0.0153</b>		<b>0.0153</b>	<b>0.0153</b>	<b>0.0000</b>	<b>137.4729</b>	<b>137.4729</b>	<b>0.0274</b>	<b>0.0000</b>	<b>138.1577</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.5400e-003	0.2177	0.0578	4.5000e-004	0.0107	1.6700e-003	0.0123	3.0800e-003	1.6000e-003	4.6800e-003	0.0000	43.0988	43.0988	2.4800e-003	0.0000	43.1608
Worker	0.0144	0.0110	0.1109	2.9000e-004	0.0284	2.0000e-004	0.0286	7.5500e-003	1.8000e-004	7.7300e-003	0.0000	26.4613	26.4613	7.8000e-004	0.0000	26.4808
<b>Total</b>	<b>0.0230</b>	<b>0.2287</b>	<b>0.1687</b>	<b>7.4000e-004</b>	<b>0.0390</b>	<b>1.8700e-003</b>	<b>0.0409</b>	<b>0.0106</b>	<b>1.7800e-003</b>	<b>0.0124</b>	<b>0.0000</b>	<b>69.5601</b>	<b>69.5601</b>	<b>3.2600e-003</b>	<b>0.0000</b>	<b>69.6417</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1212	0.9328	0.6982	1.2200e-003		0.0510	0.0510		0.0491	0.0491	0.0000	103.0141	103.0141	0.0197	0.0000	103.5077
<b>Total</b>	<b>0.1212</b>	<b>0.9328</b>	<b>0.6982</b>	<b>1.2200e-003</b>		<b>0.0510</b>	<b>0.0510</b>		<b>0.0491</b>	<b>0.0491</b>	<b>0.0000</b>	<b>103.0141</b>	<b>103.0141</b>	<b>0.0197</b>	<b>0.0000</b>	<b>103.5077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7900e-003	0.1552	0.0398	3.4000e-004	8.0400e-003	1.0700e-003	9.1000e-003	2.3200e-003	1.0200e-003	3.3400e-003	0.0000	32.2949	32.2949	1.7900e-003	0.0000	32.3397
Worker	9.8200e-003	7.2800e-003	0.0742	2.1000e-004	0.0214	1.5000e-004	0.0216	5.6900e-003	1.4000e-004	5.8300e-003	0.0000	19.3631	19.3631	5.2000e-004	0.0000	19.3761
<b>Total</b>	<b>0.0156</b>	<b>0.1625</b>	<b>0.1140</b>	<b>5.5000e-004</b>	<b>0.0295</b>	<b>1.2200e-003</b>	<b>0.0307</b>	<b>8.0100e-003</b>	<b>1.1600e-003</b>	<b>9.1700e-003</b>	<b>0.0000</b>	<b>51.6581</b>	<b>51.6581</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>51.7158</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0215	0.5196	0.7278	1.2200e-003		0.0115	0.0115		0.0115	0.0115	0.0000	103.0140	103.0140	0.0197	0.0000	103.5076
<b>Total</b>	<b>0.0215</b>	<b>0.5196</b>	<b>0.7278</b>	<b>1.2200e-003</b>		<b>0.0115</b>	<b>0.0115</b>		<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>103.0140</b>	<b>103.0140</b>	<b>0.0197</b>	<b>0.0000</b>	<b>103.5076</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.7900e-003	0.1552	0.0398	3.4000e-004	8.0400e-003	1.0700e-003	9.1000e-003	2.3200e-003	1.0200e-003	3.3400e-003	0.0000	32.2949	32.2949	1.7900e-003	0.0000	32.3397
Worker	9.8200e-003	7.2800e-003	0.0742	2.1000e-004	0.0214	1.5000e-004	0.0216	5.6900e-003	1.4000e-004	5.8300e-003	0.0000	19.3631	19.3631	5.2000e-004	0.0000	19.3761
<b>Total</b>	<b>0.0156</b>	<b>0.1625</b>	<b>0.1140</b>	<b>5.5000e-004</b>	<b>0.0295</b>	<b>1.2200e-003</b>	<b>0.0307</b>	<b>8.0100e-003</b>	<b>1.1600e-003</b>	<b>9.1700e-003</b>	<b>0.0000</b>	<b>51.6581</b>	<b>51.6581</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>51.7158</b>



First Street Green Project - Bay Area AQMD Air District, Annual

**3.6 Site Utilities - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0540	0.5469	0.3470	5.6000e-004		0.0305	0.0305		0.0281	0.0281	0.0000	49.7952	49.7952	0.0156	0.0000	50.1849
<b>Total</b>	<b>0.0540</b>	<b>0.5469</b>	<b>0.3470</b>	<b>5.6000e-004</b>		<b>0.0305</b>	<b>0.0305</b>		<b>0.0281</b>	<b>0.0281</b>	<b>0.0000</b>	<b>49.7952</b>	<b>49.7952</b>	<b>0.0156</b>	<b>0.0000</b>	<b>50.1849</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	1.0100e-003	0.0103	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.6804	2.6804	7.0000e-005	0.0000	2.6822
<b>Total</b>	<b>1.3600e-003</b>	<b>1.0100e-003</b>	<b>0.0103</b>	<b>3.0000e-005</b>	<b>2.9600e-003</b>	<b>2.0000e-005</b>	<b>2.9800e-003</b>	<b>7.9000e-004</b>	<b>2.0000e-005</b>	<b>8.1000e-004</b>	<b>0.0000</b>	<b>2.6804</b>	<b>2.6804</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.6822</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.6 Site Utilities - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0351	0.4067	0.3591	5.6000e-004		0.0199	0.0199		0.0187	0.0187	0.0000	49.7952	49.7952	0.0156	0.0000	50.1849
<b>Total</b>	<b>0.0351</b>	<b>0.4067</b>	<b>0.3591</b>	<b>5.6000e-004</b>		<b>0.0199</b>	<b>0.0199</b>		<b>0.0187</b>	<b>0.0187</b>	<b>0.0000</b>	<b>49.7952</b>	<b>49.7952</b>	<b>0.0156</b>	<b>0.0000</b>	<b>50.1849</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	1.0100e-003	0.0103	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.6804	2.6804	7.0000e-005	0.0000	2.6822
<b>Total</b>	<b>1.3600e-003</b>	<b>1.0100e-003</b>	<b>0.0103</b>	<b>3.0000e-005</b>	<b>2.9600e-003</b>	<b>2.0000e-005</b>	<b>2.9800e-003</b>	<b>7.9000e-004</b>	<b>2.0000e-005</b>	<b>8.1000e-004</b>	<b>0.0000</b>	<b>2.6804</b>	<b>2.6804</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.6822</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.7 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0237	0.2440	0.2309	3.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	30.7668	30.7668	9.7300e-003	0.0000	31.0101
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0237</b>	<b>0.2440</b>	<b>0.2309</b>	<b>3.4000e-004</b>		<b>0.0143</b>	<b>0.0143</b>		<b>0.0132</b>	<b>0.0132</b>	<b>0.0000</b>	<b>30.7668</b>	<b>30.7668</b>	<b>9.7300e-003</b>	<b>0.0000</b>	<b>31.0101</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	7.0000e-004	7.1200e-003	2.0000e-005	2.0500e-003	1.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.8584	1.8584	5.0000e-005	0.0000	1.8597
<b>Total</b>	<b>9.4000e-004</b>	<b>7.0000e-004</b>	<b>7.1200e-003</b>	<b>2.0000e-005</b>	<b>2.0500e-003</b>	<b>1.0000e-005</b>	<b>2.0700e-003</b>	<b>5.5000e-004</b>	<b>1.0000e-005</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>1.8584</b>	<b>1.8584</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8597</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.7 Paving - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.6700e-003	0.1370	0.2595	3.4000e-004		6.5200e-003	6.5200e-003		6.5200e-003	6.5200e-003	0.0000	30.7667	30.7667	9.7300e-003	0.0000	31.0101
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.6700e-003</b>	<b>0.1370</b>	<b>0.2595</b>	<b>3.4000e-004</b>		<b>6.5200e-003</b>	<b>6.5200e-003</b>		<b>6.5200e-003</b>	<b>6.5200e-003</b>	<b>0.0000</b>	<b>30.7667</b>	<b>30.7667</b>	<b>9.7300e-003</b>	<b>0.0000</b>	<b>31.0101</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	7.0000e-004	7.1200e-003	2.0000e-005	2.0500e-003	1.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.8584	1.8584	5.0000e-005	0.0000	1.8597
<b>Total</b>	<b>9.4000e-004</b>	<b>7.0000e-004</b>	<b>7.1200e-003</b>	<b>2.0000e-005</b>	<b>2.0500e-003</b>	<b>1.0000e-005</b>	<b>2.0700e-003</b>	<b>5.5000e-004</b>	<b>1.0000e-005</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>1.8584</b>	<b>1.8584</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8597</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.8 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1100e-003	0.0489	0.0491	8.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	6.8087	6.8087	5.8000e-004	0.0000	6.8231
<b>Total</b>	<b>0.4326</b>	<b>0.0489</b>	<b>0.0491</b>	<b>8.0000e-005</b>		<b>3.4300e-003</b>	<b>3.4300e-003</b>		<b>3.4300e-003</b>	<b>3.4300e-003</b>	<b>0.0000</b>	<b>6.8087</b>	<b>6.8087</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>6.8231</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.3000e-004	4.3800e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	1.1436	1.1436	3.0000e-005	0.0000	1.1444
<b>Total</b>	<b>5.8000e-004</b>	<b>4.3000e-004</b>	<b>4.3800e-003</b>	<b>1.0000e-005</b>	<b>1.2600e-003</b>	<b>1.0000e-005</b>	<b>1.2700e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1436</b>	<b>1.1436</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1444</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.8 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5800e-003	0.0362	0.0489	8.0000e-005		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003	0.0000	6.8087	6.8087	5.8000e-004	0.0000	6.8231
<b>Total</b>	<b>0.4270</b>	<b>0.0362</b>	<b>0.0489</b>	<b>8.0000e-005</b>		<b>2.5400e-003</b>	<b>2.5400e-003</b>		<b>2.5400e-003</b>	<b>2.5400e-003</b>	<b>0.0000</b>	<b>6.8087</b>	<b>6.8087</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>6.8231</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.3000e-004	4.3800e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	1.1436	1.1436	3.0000e-005	0.0000	1.1444
<b>Total</b>	<b>5.8000e-004</b>	<b>4.3000e-004</b>	<b>4.3800e-003</b>	<b>1.0000e-005</b>	<b>1.2600e-003</b>	<b>1.0000e-005</b>	<b>1.2700e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1436</b>	<b>1.1436</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1444</b>

**4.0 Operational Detail - Mobile**

---

First Street Green Project - Bay Area AQMD Air District, Annual

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248
Unmitigated	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	1,175.20	1,667.20	868.80	2,871,800	2,871,800
<b>Total</b>	<b>1,175.20</b>	<b>1,667.20</b>	<b>868.80</b>	<b>2,871,800</b>	<b>2,871,800</b>

**4.3 Trip Type Information**

First Street Green Project - Bay Area AQMD Air District, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
Enclosed Parking Structure	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
City Park	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
Fast Food Restaurant w/o Drive Thru	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24



First Street Green Project - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	302.9088	302.9088	0.0206	4.2600e-003	304.6915
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	308.5163	308.5163	0.0210	4.3400e-003	310.3320
NaturalGas Mitigated	7.8000e-003	0.0710	0.0596	4.3000e-004		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003	0.0000	77.2376	77.2376	1.4800e-003	1.4200e-003	77.6966
NaturalGas Unmitigated	8.1700e-003	0.0743	0.0624	4.5000e-004		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	0.0000	80.8917	80.8917	1.5500e-003	1.4800e-003	81.3724

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	199853	1.0800e-003	9.8000e-003	8.2300e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.6649	10.6649	2.0000e-004	2.0000e-004	10.7283
General Office Building	1.316e+006	7.1000e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	70.2268	70.2268	1.3500e-003	1.2900e-003	70.6441
<b>Total</b>		<b>8.1800e-003</b>	<b>0.0743</b>	<b>0.0624</b>	<b>4.5000e-004</b>		<b>5.6400e-003</b>	<b>5.6400e-003</b>		<b>5.6400e-003</b>	<b>5.6400e-003</b>	<b>0.0000</b>	<b>80.8917</b>	<b>80.8917</b>	<b>1.5500e-003</b>	<b>1.4900e-003</b>	<b>81.3724</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	196939	1.0600e-003	9.6500e-003	8.1100e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5094	10.5094	2.0000e-004	1.9000e-004	10.5719
General Office Building	1.25044e+006	6.7400e-003	0.0613	0.0515	3.7000e-004		4.6600e-003	4.6600e-003		4.6600e-003	4.6600e-003	0.0000	66.7282	66.7282	1.2800e-003	1.2200e-003	67.1248
<b>Total</b>		<b>7.8000e-003</b>	<b>0.0710</b>	<b>0.0596</b>	<b>4.3000e-004</b>		<b>5.3900e-003</b>	<b>5.3900e-003</b>		<b>5.3900e-003</b>	<b>5.3900e-003</b>	<b>0.0000</b>	<b>77.2376</b>	<b>77.2376</b>	<b>1.4800e-003</b>	<b>1.4100e-003</b>	<b>77.6966</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	103490	20.0444	1.3600e-003	2.8000e-004	20.1623
Fast Food Restaurant w/o Drive Thru	31795.2	6.1582	4.2000e-004	9.0000e-005	6.1945
General Office Building	1.4576e+006	282.3137	0.0192	3.9700e-003	283.9752
<b>Total</b>		<b>308.5163</b>	<b>0.0210</b>	<b>4.3400e-003</b>	<b>310.3320</b>

## First Street Green Project - Bay Area AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	100393	19.4446	1.3200e-003	2.7000e-004	19.5590
Fast Food Restaurant w/o Drive Thru	31540.3	6.1089	4.1000e-004	9.0000e-005	6.1448
General Office Building	1.432e+006	277.3554	0.0188	3.9000e-003	278.9877
<b>Total</b>		<b>302.9088</b>	<b>0.0206</b>	<b>4.2600e-003</b>	<b>304.6915</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

First Street Green Project - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
Unmitigated	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
<b>Total</b>	<b>0.3601</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.7400e-003</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8500e-003</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
<b>Total</b>	<b>0.3601</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.7400e-003</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8500e-003</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

First Street Green Project - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.1425	0.4743	0.0115	41.4164
Unmitigated	26.1425	0.4743	0.0115	41.4164

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.607655	0.4119	3.0000e-005	1.0000e-005	0.4144
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.291392 / 0.0185995	0.4104	9.5200e-003	2.3000e-004	0.7165
General Office Building	14.2187 / 8.71469	25.3201	0.4647	0.0112	40.2856
<b>Total</b>		<b>26.1425</b>	<b>0.4743</b>	<b>0.0115</b>	<b>41.4164</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.607655	0.4119	3.0000e-005	1.0000e-005	0.4144
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.291392 / 0.0185995	0.4104	9.5200e-003	2.3000e-004	0.7165
General Office Building	14.2187 / 8.71469	25.3201	0.4647	0.0112	40.2856
<b>Total</b>		<b>26.1425</b>	<b>0.4743</b>	<b>0.0115</b>	<b>41.4164</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**



First Street Green Project - Bay Area AQMD Air District, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.3557	1.0257	0.0000	42.9981
Unmitigated	17.3557	1.0257	0.0000	42.9981

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	11.06	2.2451	0.1327	0.0000	5.5621
General Office Building	74.4	15.1025	0.8925	0.0000	37.4159
<b>Total</b>		<b>17.3557</b>	<b>1.0257</b>	<b>0.0000</b>	<b>42.9981</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	11.06	2.2451	0.1327	0.0000	5.5621
General Office Building	74.4	15.1025	0.8925	0.0000	37.4159
<b>Total</b>		<b>17.3557</b>	<b>1.0257</b>	<b>0.0000</b>	<b>42.9981</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

First Street Green Project - Bay Area AQMD Air District, Annual

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---

First Street Green Project - Bay Area AQMD Air District, Summer

**First Street Green Project**  
**Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	80.00	1000sqft	1.84	80,000.00	0
Enclosed Parking Structure	15.80	1000sqft	0.36	15,800.00	0
City Park	0.51	Acre	0.51	22,000.00	0
Fast Food Restaurant w/o Drive Thru	0.96	1000sqft	0.02	960.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2020
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	427	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



First Street Green Project - Bay Area AQMD Air District, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	220.00	300.00

First Street Green Project - Bay Area AQMD Air District, Summer

tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	3.00	20.00
tblConstructionPhase	PhaseEndDate	9/6/2019	6/28/2019
tblConstructionPhase	PhaseStartDate	7/14/2018	5/5/2018
tblGrading	AcresOfGrading	15.00	3.00
tblGrading	AcresOfGrading	30.00	4.50
tblGrading	MaterialExported	0.00	69,000.00
tblLandUse	GreenSpaceSquareFeet	22,215.60	22,000.00
tblLandUse	LandUseSquareFeet	22,215.60	22,000.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

## First Street Green Project - Bay Area AQMD Air District, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	427
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	HaulingTripNumber	97.00	96.00
tblVehicleEF	HHD	0.62	0.69
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.12	0.17
tblVehicleEF	HHD	2.70	3.14
tblVehicleEF	HHD	1.02	1.06
tblVehicleEF	HHD	3.42	4.15
tblVehicleEF	HHD	4,628.81	4,578.45
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	22.72	25.19
tblVehicleEF	HHD	4.49	5.21
tblVehicleEF	HHD	19.70	19.70
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003



## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	9.5000e-005	1.4500e-004
tblVehicleEF	HHD	5.8140e-003	0.01
tblVehicleEF	HHD	0.69	0.81
tblVehicleEF	HHD	6.0000e-005	8.7000e-005
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.2500e-004	8.9800e-004
tblVehicleEF	HHD	0.11	0.17
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5800e-004	1.8900e-004
tblVehicleEF	HHD	9.5000e-005	1.4500e-004
tblVehicleEF	HHD	5.8140e-003	0.01
tblVehicleEF	HHD	0.79	0.93
tblVehicleEF	HHD	6.0000e-005	8.7000e-005
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.2500e-004	8.9800e-004
tblVehicleEF	HHD	0.13	0.19
tblVehicleEF	HHD	0.59	0.65
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.11	0.16
tblVehicleEF	HHD	1.97	2.29
tblVehicleEF	HHD	1.03	1.06
tblVehicleEF	HHD	3.13	3.83
tblVehicleEF	HHD	4,901.04	4,845.90
tblVehicleEF	HHD	1,675.61	1,718.24

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	23.44	25.99
tblVehicleEF	HHD	4.32	5.01
tblVehicleEF	HHD	19.68	19.67
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	2.3700e-004	3.7600e-004
tblVehicleEF	HHD	6.3260e-003	0.01
tblVehicleEF	HHD	0.65	0.76
tblVehicleEF	HHD	1.4400e-004	2.2400e-004
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.1700e-004	8.9300e-004
tblVehicleEF	HHD	0.11	0.16
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5400e-004	1.8300e-004
tblVehicleEF	HHD	2.3700e-004	3.7600e-004
tblVehicleEF	HHD	6.3260e-003	0.01

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	HHD	0.75	0.88
tblVehicleEF	HHD	1.4400e-004	2.2400e-004
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.1700e-004	8.9300e-004
tblVehicleEF	HHD	0.12	0.17
tblVehicleEF	HHD	0.67	0.74
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.13	0.19
tblVehicleEF	HHD	3.71	4.30
tblVehicleEF	HHD	1.01	1.05
tblVehicleEF	HHD	3.69	4.49
tblVehicleEF	HHD	4,252.86	4,209.10
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	21.72	24.09
tblVehicleEF	HHD	4.56	5.29
tblVehicleEF	HHD	19.72	19.72
tblVehicleEF	HHD	0.03	0.05
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	6.3370e-003	0.01
tblVehicleEF	HHD	0.74	0.87
tblVehicleEF	HHD	2.6000e-005	3.4000e-005
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.7900e-004	9.8000e-004
tblVehicleEF	HHD	0.12	0.18
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.6300e-004	1.9400e-004
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	6.3370e-003	0.01
tblVehicleEF	HHD	0.86	1.00
tblVehicleEF	HHD	2.6000e-005	3.4000e-005
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.7900e-004	9.8000e-004
tblVehicleEF	HHD	0.13	0.20
tblVehicleEF	LDA	4.9090e-003	6.2350e-003
tblVehicleEF	LDA	7.8890e-003	0.01
tblVehicleEF	LDA	0.63	0.77
tblVehicleEF	LDA	1.59	2.05
tblVehicleEF	LDA	271.43	291.94
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.14

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.12	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	2.7180e-003	2.9260e-003
tblVehicleEF	LDA	6.4300e-004	6.9000e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.12	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.12	0.16
tblVehicleEF	LDA	5.4630e-003	6.9190e-003
tblVehicleEF	LDA	6.4710e-003	8.9460e-003
tblVehicleEF	LDA	0.74	0.90
tblVehicleEF	LDA	1.24	1.61
tblVehicleEF	LDA	292.85	314.97
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.12

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.14	0.17
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	2.9340e-003	3.1570e-003
tblVehicleEF	LDA	6.3700e-004	6.8200e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.14	0.17
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.13
tblVehicleEF	LDA	4.8040e-003	6.1180e-003
tblVehicleEF	LDA	8.9430e-003	0.01
tblVehicleEF	LDA	0.62	0.76
tblVehicleEF	LDA	1.86	2.40
tblVehicleEF	LDA	268.77	289.10
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.11	0.15

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.17
tblVehicleEF	LDA	2.6920e-003	2.8970e-003
tblVehicleEF	LDA	6.4800e-004	6.9600e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.18
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.27	1.66
tblVehicleEF	LDT1	3.40	4.32
tblVehicleEF	LDT1	328.14	345.44
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.13	0.17
tblVehicleEF	LDT1	0.19	0.25

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.09	0.11
tblVehicleEF	LDT1	0.27	0.31
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.21
tblVehicleEF	LDT1	0.23	0.31
tblVehicleEF	LDT1	3.2960e-003	3.4760e-003
tblVehicleEF	LDT1	8.0100e-004	8.5000e-004
tblVehicleEF	LDT1	0.09	0.11
tblVehicleEF	LDT1	0.27	0.31
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.18	0.21
tblVehicleEF	LDT1	0.26	0.34
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.47	1.89
tblVehicleEF	LDT1	2.62	3.34
tblVehicleEF	LDT1	352.76	371.19
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.12	0.15
tblVehicleEF	LDT1	0.17	0.22



## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.23	0.28
tblVehicleEF	LDT1	0.30	0.36
tblVehicleEF	LDT1	0.17	0.20
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.19	0.25
tblVehicleEF	LDT1	3.5450e-003	3.7360e-003
tblVehicleEF	LDT1	7.8700e-004	8.3200e-004
tblVehicleEF	LDT1	0.23	0.28
tblVehicleEF	LDT1	0.30	0.36
tblVehicleEF	LDT1	0.17	0.20
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.21	0.28
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	1.27	1.66
tblVehicleEF	LDT1	4.00	5.08
tblVehicleEF	LDT1	325.17	342.33
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.15	0.19
tblVehicleEF	LDT1	0.21	0.27

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.29	0.34
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.27	0.36
tblVehicleEF	LDT1	3.2670e-003	3.4450e-003
tblVehicleEF	LDT1	8.1100e-004	8.6300e-004
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.29	0.34
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.29	0.39
tblVehicleEF	LDT2	6.2630e-003	7.7980e-003
tblVehicleEF	LDT2	9.2100e-003	0.01
tblVehicleEF	LDT2	0.78	0.95
tblVehicleEF	LDT2	1.91	2.45
tblVehicleEF	LDT2	373.37	395.49
tblVehicleEF	LDT2	84.63	89.06
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.16	0.22

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LDT2	1.7000e-003	1.6510e-003
tblVehicleEF	LDT2	2.2550e-003	2.2360e-003
tblVehicleEF	LDT2	1.5630e-003	1.5190e-003
tblVehicleEF	LDT2	2.0740e-003	2.0580e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	3.7390e-003	3.9630e-003
tblVehicleEF	LDT2	8.7900e-004	9.3300e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.14	0.18
tblVehicleEF	LDT2	6.9560e-003	8.6270e-003
tblVehicleEF	LDT2	7.5690e-003	0.01
tblVehicleEF	LDT2	0.91	1.11
tblVehicleEF	LDT2	1.49	1.91
tblVehicleEF	LDT2	401.90	425.72
tblVehicleEF	LDT2	84.63	89.06
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.19

First Street Green Project - Bay Area AQMD Air District, Summer

tbVehicleEF	LD12	1.7000e-003	1.6510e-003
tbVehicleEF	LD12	2.2550e-003	2.2360e-003
tbVehicleEF	LD12	1.5630e-003	1.5190e-003
tbVehicleEF	LD12	2.0740e-003	2.0580e-003
tbVehicleEF	LD12	0.10	0.11
tbVehicleEF	LD12	0.14	0.16
tbVehicleEF	LD12	0.08	0.09
tbVehicleEF	LD12	0.02	0.02
tbVehicleEF	LD12	0.07	0.07
tbVehicleEF	LD12	0.10	0.14
tbVehicleEF	LD12	4.0260e-003	4.2670e-003
tbVehicleEF	LD12	8.7100e-004	9.2400e-004
tbVehicleEF	LD12	0.10	0.11
tbVehicleEF	LD12	0.08	0.09
tbVehicleEF	LD12	0.03	0.03
tbVehicleEF	LD12	0.07	0.07
tbVehicleEF	LD12	0.11	0.15
tbVehicleEF	LD12	6.1220e-003	7.6450e-003
tbVehicleEF	LD12	0.01	0.01
tbVehicleEF	LD12	0.77	0.95
tbVehicleEF	LD12	2.23	2.87
tbVehicleEF	LD12	369.93	391.84
tbVehicleEF	LD12	84.63	89.06
tbVehicleEF	LD12	0.19	0.19
tbVehicleEF	LD12	0.10	0.13
tbVehicleEF	LD12	0.17	0.24

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LDT2	1.7000e-003	1.6510e-003
tblVehicleEF	LDT2	2.2550e-003	2.2360e-003
tblVehicleEF	LDT2	1.5630e-003	1.5190e-003
tblVehicleEF	LDT2	2.0740e-003	2.0580e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	3.7050e-003	3.9270e-003
tblVehicleEF	LDT2	8.8400e-004	9.4000e-004
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.15	0.21
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.32	1.52
tblVehicleEF	LHD1	3.04	3.38
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.63	1.86
tblVehicleEF	LHD1	1.10	1.16
tblVehicleEF	LHD1	9.0900e-004	8.8700e-004
tblVehicleEF	LHD1	9.9640e-003	9.8490e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0890e-003	1.2250e-003
tblVehicleEF	LHD1	8.7000e-004	8.4800e-004
tblVehicleEF	LHD1	2.4910e-003	2.4620e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0020e-003	1.1290e-003
tblVehicleEF	LHD1	2.5080e-003	2.5790e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3230e-003	1.3140e-003
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.32	0.32
tblVehicleEF	LHD1	0.31	0.35
tblVehicleEF	LHD1	6.9910e-003	7.1590e-003
tblVehicleEF	LHD1	3.9200e-004	4.1300e-004
tblVehicleEF	LHD1	2.5080e-003	2.5790e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3230e-003	1.3140e-003
tblVehicleEF	LHD1	0.18	0.19
tblVehicleEF	LHD1	0.32	0.32

First Street Green Project - Bay Area AQMD Air District, Summer

0.38	0.34	LHD1	tbVehicleEF
6.3730e-003	6.0100e-003	LHD1	tbVehicleEF
0.03	0.02	LHD1	tbVehicleEF
0.02	0.02	LHD1	tbVehicleEF
0.16	0.15	LHD1	tbVehicleEF
1.55	1.35	LHD1	tbVehicleEF
3.11	2.79	LHD1	tbVehicleEF
9.07	9.07	LHD1	tbVehicleEF
726.98	711.01	LHD1	tbVehicleEF
34.88	33.48	LHD1	tbVehicleEF
0.02	0.02	LHD1	tbVehicleEF
0.08	0.08	LHD1	tbVehicleEF
1.77	1.56	LHD1	tbVehicleEF
1.08	1.02	LHD1	tbVehicleEF
8.8700e-004	9.0900e-004	LHD1	tbVehicleEF
9.8490e-003	9.9640e-003	LHD1	tbVehicleEF
0.02	0.02	LHD1	tbVehicleEF
1.2250e-003	1.0890e-003	LHD1	tbVehicleEF
8.4800e-004	8.7000e-004	LHD1	tbVehicleEF
2.4620e-003	2.4910e-003	LHD1	tbVehicleEF
0.02	0.02	LHD1	tbVehicleEF
1.1290e-003	1.0020e-003	LHD1	tbVehicleEF
6.2790e-003	6.0230e-003	LHD1	tbVehicleEF
0.12	0.12	LHD1	tbVehicleEF
0.02	0.02	LHD1	tbVehicleEF
2.9320e-003	2.8770e-003	LHD1	tbVehicleEF
0.15	0.14	LHD1	tbVehicleEF

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD1	6.9910e-003	7.1590e-003
tblVehicleEF	LHD1	3.8800e-004	4.0800e-004
tblVehicleEF	LHD1	6.0230e-003	6.2790e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8770e-003	2.9320e-003
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.36
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.30	1.49
tblVehicleEF	LHD1	3.27	3.65
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.67	1.90
tblVehicleEF	LHD1	1.17	1.23
tblVehicleEF	LHD1	9.0900e-004	8.8700e-004
tblVehicleEF	LHD1	9.9640e-003	9.8490e-003
tblVehicleEF	LHD1	0.02	0.02



## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LHD1	1.0890e-003	1.2250e-003
tblVehicleEF	LHD1	8.7000e-004	8.4800e-004
tblVehicleEF	LHD1	2.4910e-003	2.4620e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0020e-003	1.1290e-003
tblVehicleEF	LHD1	1.0710e-003	1.0660e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1100e-004	5.9300e-004
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.33	0.37
tblVehicleEF	LHD1	6.9900e-003	7.1580e-003
tblVehicleEF	LHD1	3.9600e-004	4.1800e-004
tblVehicleEF	LHD1	1.0710e-003	1.0660e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	6.1100e-004	5.9300e-004
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.36	0.40
tblVehicleEF	LHD2	4.0830e-003	4.4560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.70	0.85
tblVehicleEF	LHD2	1.49	1.80

First Street Green Project - Bay Area AQMD Air District, Summer

tbVehicleEF	LHD2	14.16	14.16	0.05
tbVehicleEF	LHD2	751.30	731.41	1.1660e-003
tbVehicleEF	LHD2	27.34	25.96	0.02
tbVehicleEF	LHD2	5.3750e-003	5.3710e-003	6.0200e-004
tbVehicleEF	LHD2	0.12	0.11	0.13
tbVehicleEF	LHD2	1.53	1.17	0.12
tbVehicleEF	LHD2	0.67	0.58	0.17
tbVehicleEF	LHD2	1.3130e-003	1.3080e-003	0.12
tbVehicleEF	LHD2	0.01	0.01	0.10
tbVehicleEF	LHD2	0.02	0.02	0.10
tbVehicleEF	LHD2	5.8700e-004	4.9000e-004	0.12
tbVehicleEF	LHD2	1.2560e-003	1.2510e-003	0.12
tbVehicleEF	LHD2	2.6550e-003	2.6710e-003	0.14
tbVehicleEF	LHD2	0.02	0.02	0.10
tbVehicleEF	LHD2	5.4100e-004	4.5100e-004	0.12
tbVehicleEF	LHD2	1.1660e-003	9.6300e-004	0.12
tbVehicleEF	LHD2	0.05	0.04	0.12
tbVehicleEF	LHD2	0.02	0.01	0.10
tbVehicleEF	LHD2	6.0200e-004	5.2500e-004	0.12
tbVehicleEF	LHD2	0.13	0.12	0.14
tbVehicleEF	LHD2	0.12	0.10	0.14
tbVehicleEF	LHD2	1.3900e-004	1.3800e-004	0.17
tbVehicleEF	LHD2	7.3210e-003	7.1210e-003	0.05
tbVehicleEF	LHD2	3.0700e-004	2.8700e-004	0.05
tbVehicleEF	LHD2	1.1660e-003	9.6300e-004	0.05
tbVehicleEF	LHD2	0.05	0.04	0.05

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.2500e-004	6.0200e-004
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.15	0.19
tblVehicleEF	LHD2	4.0830e-003	4.4560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4580e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.71	0.86
tblVehicleEF	LHD2	1.37	1.66
tblVehicleEF	LHD2	14.11	14.16
tblVehicleEF	LHD2	731.41	751.30
tblVehicleEF	LHD2	25.96	27.34
tblVehicleEF	LHD2	5.3710e-003	5.3750e-003
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	1.13	1.47
tblVehicleEF	LHD2	0.54	0.62
tblVehicleEF	LHD2	1.3080e-003	1.3130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.9000e-004	5.8700e-004
tblVehicleEF	LHD2	1.2510e-003	1.2560e-003
tblVehicleEF	LHD2	2.6710e-003	2.6550e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.5100e-004	5.4100e-004
tblVehicleEF	LHD2	2.3000e-003	2.8300e-003

First Street Green Project - Bay Area AQMD Air District, Summer

0.06	0.05	LHD2	tbVehicleEF
0.02	0.01	LHD2	tbVehicleEF
1.3360e-003	1.1340e-003	LHD2	tbVehicleEF
0.13	0.12	LHD2	tbVehicleEF
0.12	0.09	LHD2	tbVehicleEF
0.16	0.13	LHD2	tbVehicleEF
1.3900e-004	1.3800e-004	LHD2	tbVehicleEF
7.3210e-003	7.1210e-003	LHD2	tbVehicleEF
3.0400e-004	2.8500e-004	LHD2	tbVehicleEF
2.8300e-003	2.3000e-003	LHD2	tbVehicleEF
0.06	0.05	LHD2	tbVehicleEF
0.02	0.02	LHD2	tbVehicleEF
1.3360e-003	1.1340e-003	LHD2	tbVehicleEF
0.16	0.14	LHD2	tbVehicleEF
0.12	0.09	LHD2	tbVehicleEF
0.18	0.14	LHD2	tbVehicleEF
4.4560e-003	4.0830e-003	LHD2	tbVehicleEF
0.01	0.01	LHD2	tbVehicleEF
0.01	0.01	LHD2	tbVehicleEF
0.13	0.13	LHD2	tbVehicleEF
0.84	0.69	LHD2	tbVehicleEF
1.93	1.59	LHD2	tbVehicleEF
14.16	14.11	LHD2	tbVehicleEF
751.30	731.41	LHD2	tbVehicleEF
27.34	25.96	LHD2	tbVehicleEF
5.3750e-003	5.3710e-003	LHD2	tbVehicleEF
0.12	0.11	LHD2	tbVehicleEF

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	LHD2	1.20	1.56
tblVehicleEF	LHD2	0.62	0.71
tblVehicleEF	LHD2	1.3080e-003	1.3130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.9000e-004	5.8700e-004
tblVehicleEF	LHD2	1.2510e-003	1.2560e-003
tblVehicleEF	LHD2	2.6710e-003	2.6550e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.5100e-004	5.4100e-004
tblVehicleEF	LHD2	4.2900e-004	4.9800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.11	0.13
tblVehicleEF	LHD2	0.14	0.18
tblVehicleEF	LHD2	1.3800e-004	1.3900e-004
tblVehicleEF	LHD2	7.1200e-003	7.3210e-003
tblVehicleEF	LHD2	2.8900e-004	3.0900e-004
tblVehicleEF	LHD2	4.2900e-004	4.9800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.11	0.13
tblVehicleEF	LHD2	0.16	0.20

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	MCY	0.45	0.44
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	20.92	22.11
tblVehicleEF	MCY	10.18	10.14
tblVehicleEF	MCY	172.27	170.79
tblVehicleEF	MCY	46.79	47.74
tblVehicleEF	MCY	5.9420e-003	6.0050e-003
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	2.0050e-003	1.9200e-003
tblVehicleEF	MCY	4.4220e-003	4.8160e-003
tblVehicleEF	MCY	1.8800e-003	1.8050e-003
tblVehicleEF	MCY	4.1820e-003	4.5650e-003
tblVehicleEF	MCY	0.83	0.84
tblVehicleEF	MCY	0.77	0.80
tblVehicleEF	MCY	0.49	0.50
tblVehicleEF	MCY	2.38	2.46
tblVehicleEF	MCY	0.67	0.72
tblVehicleEF	MCY	2.29	2.34
tblVehicleEF	MCY	2.1330e-003	2.1390e-003
tblVehicleEF	MCY	7.0200e-004	7.1200e-004
tblVehicleEF	MCY	0.83	0.84
tblVehicleEF	MCY	0.77	0.80
tblVehicleEF	MCY	0.49	0.50
tblVehicleEF	MCY	2.91	2.98
tblVehicleEF	MCY	0.67	0.72
tblVehicleEF	MCY	2.49	2.54

First Street Green Project - Bay Area AQMD Air District, Summer

tbVehicleEF	MCY	0.43	0.42
tbVehicleEF	MCY	0.14	0.14
tbVehicleEF	MCY	19.84	20.90
tbVehicleEF	MCY	8.91	8.92
tbVehicleEF	MCY	172.27	170.79
tbVehicleEF	MCY	46.79	47.74
tbVehicleEF	MCY	5.9420e-003	6.0050e-003
tbVehicleEF	MCY	1.03	1.03
tbVehicleEF	MCY	0.29	0.29
tbVehicleEF	MCY	2.0050e-003	1.9200e-003
tbVehicleEF	MCY	4.4220e-003	4.8160e-003
tbVehicleEF	MCY	1.8800e-003	1.8050e-003
tbVehicleEF	MCY	4.1820e-003	4.5650e-003
tbVehicleEF	MCY	2.31	2.33
tbVehicleEF	MCY	0.98	1.01
tbVehicleEF	MCY	1.41	1.43
tbVehicleEF	MCY	2.27	2.33
tbVehicleEF	MCY	0.63	0.67
tbVehicleEF	MCY	1.89	1.92
tbVehicleEF	MCY	2.1130e-003	2.1160e-003
tbVehicleEF	MCY	6.6900e-004	6.7900e-004
tbVehicleEF	MCY	2.31	2.33
tbVehicleEF	MCY	0.98	1.01
tbVehicleEF	MCY	1.41	1.43
tbVehicleEF	MCY	2.79	2.84
tbVehicleEF	MCY	0.63	0.67
tbVehicleEF	MCY	2.06	2.09

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	MCY	0.47	0.46
tblVehicleEF	MCY	0.20	0.20
tblVehicleEF	MCY	22.72	24.09
tblVehicleEF	MCY	11.58	11.52
tblVehicleEF	MCY	172.27	170.79
tblVehicleEF	MCY	46.79	47.74
tblVehicleEF	MCY	5.9420e-003	6.0050e-003
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	2.0050e-003	1.9200e-003
tblVehicleEF	MCY	4.4220e-003	4.8160e-003
tblVehicleEF	MCY	1.8800e-003	1.8050e-003
tblVehicleEF	MCY	4.1820e-003	4.5650e-003
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.93	0.97
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	2.49	2.58
tblVehicleEF	MCY	0.79	0.84
tblVehicleEF	MCY	2.67	2.73
tblVehicleEF	MCY	2.1650e-003	2.1750e-003
tblVehicleEF	MCY	7.3600e-004	7.4700e-004
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.93	0.97
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	3.05	3.13
tblVehicleEF	MCY	0.79	0.84
tblVehicleEF	MCY	2.90	2.97



## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	1.37	1.60
tblVehicleEF	MDV	3.60	4.26
tblVehicleEF	MDV	495.13	519.40
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.33	0.40
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.28	0.35
tblVehicleEF	MDV	4.9610e-003	5.2080e-003
tblVehicleEF	MDV	1.1680e-003	1.2260e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.31	0.38

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.58	1.84
tblVehicleEF	MDV	2.82	3.35
tblVehicleEF	MDV	532.29	558.48
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.16	0.19
tblVehicleEF	MDV	0.29	0.35
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.23	0.28
tblVehicleEF	MDV	5.3360e-003	5.6020e-003
tblVehicleEF	MDV	1.1540e-003	1.2090e-003
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.25	0.31

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	1.38	1.61
tblVehicleEF	MDV	4.21	4.99
tblVehicleEF	MDV	490.55	514.56
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.19	0.24
tblVehicleEF	MDV	0.35	0.44
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.32	0.39
tblVehicleEF	MDV	4.9160e-003	5.1600e-003
tblVehicleEF	MDV	1.1790e-003	1.2390e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.35	0.43

First Street Green Project - Bay Area AQMD Air District, Summer

0.06	0.04	MH	0.06
0.04	0.03	MH	0.04
5.27	3.51	MH	5.27
8.77	7.25	MH	8.77
1,241.02	1,228.67	MH	1,241.02
67.17	61.77	MH	67.17
8.6400e-004	8.1200e-004	MH	8.6400e-004
1.82	1.60	MH	1.82
1.05	0.96	MH	1.05
0.01	0.01	MH	0.01
0.03	0.03	MH	0.03
2.2990e-003	1.5510e-003	MH	2.2990e-003
3.2090e-003	3.2150e-003	MH	3.2090e-003
0.03	0.03	MH	0.03
2.1450e-003	1.4350e-003	MH	2.1450e-003
1.10	0.94	MH	1.10
0.10	0.09	MH	0.10
0.39	0.34	MH	0.39
0.21	0.15	MH	0.21
0.03	0.02	MH	0.03
0.57	0.44	MH	0.57
0.01	0.01	MH	0.01
8.2700e-004	7.4500e-004	MH	8.2700e-004
1.10	0.94	MH	1.10
0.10	0.09	MH	0.10
0.39	0.34	MH	0.39
0.28	0.20	MH	0.28

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.48	0.63
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	3.63	5.32
tblVehicleEF	MH	6.56	8.00
tblVehicleEF	MH	1,228.67	1,241.02
tblVehicleEF	MH	61.77	67.17
tblVehicleEF	MH	8.1200e-004	8.6400e-004
tblVehicleEF	MH	1.50	1.70
tblVehicleEF	MH	0.89	0.97
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5510e-003	2.2990e-003
tblVehicleEF	MH	3.2150e-003	3.2090e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4350e-003	2.1450e-003
tblVehicleEF	MH	2.28	2.70
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.76	0.90
tblVehicleEF	MH	0.15	0.21
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.40	0.53
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.3300e-004	8.1300e-004
tblVehicleEF	MH	2.28	2.70
tblVehicleEF	MH	0.09	0.11

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	MH	0.76	0.90
tblVehicleEF	MH	0.21	0.28
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.44	0.58
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.03	0.05
tblVehicleEF	MH	3.46	5.35
tblVehicleEF	MH	7.91	9.58
tblVehicleEF	MH	1,228.67	1,241.02
tblVehicleEF	MH	61.77	67.17
tblVehicleEF	MH	8.1200e-004	8.6400e-004
tblVehicleEF	MH	1.66	1.89
tblVehicleEF	MH	1.02	1.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5510e-003	2.2990e-003
tblVehicleEF	MH	3.2150e-003	3.2090e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4350e-003	2.1450e-003
tblVehicleEF	MH	0.37	0.42
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.15	0.17
tblVehicleEF	MH	0.15	0.21
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.46	0.61
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.5600e-004	8.4100e-004

First Street Green Project - Bay Area AQMD Air District, Summer

0.42	0.37	MH	tbVehicleEF
0.12	0.10	MH	tbVehicleEF
0.17	0.15	MH	tbVehicleEF
0.28	0.20	MH	tbVehicleEF
0.03	0.02	MH	tbVehicleEF
0.67	0.51	MH	tbVehicleEF
0.02	0.02	MHD	tbVehicleEF
0.02	9.9170e-003	MHD	tbVehicleEF
0.08	0.06	MHD	tbVehicleEF
0.52	0.44	MHD	tbVehicleEF
1.02	0.64	MHD	tbVehicleEF
9.11	7.43	MHD	tbVehicleEF
151.94	151.53	MHD	tbVehicleEF
1,218.04	1,207.41	MHD	tbVehicleEF
59.83	57.19	MHD	tbVehicleEF
0.02	0.02	MHD	tbVehicleEF
1.29	0.97	MHD	tbVehicleEF
3.44	2.26	MHD	tbVehicleEF
11.38	11.36	MHD	tbVehicleEF
5.8480e-003	3.0950e-003	MHD	tbVehicleEF
0.09	0.05	MHD	tbVehicleEF
1.2660e-003	9.6600e-004	MHD	tbVehicleEF
5.5950e-003	2.9610e-003	MHD	tbVehicleEF
0.09	0.04	MHD	tbVehicleEF
1.1700e-003	8.8900e-004	MHD	tbVehicleEF
1.2470e-003	1.0180e-003	MHD	tbVehicleEF
0.06	0.05	MHD	tbVehicleEF

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	5.3600e-004	6.3100e-004
tblVehicleEF	MHD	0.12	0.23
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.44	0.55
tblVehicleEF	MHD	1.4570e-003	1.4620e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.0200e-004	7.5900e-004
tblVehicleEF	MHD	1.0180e-003	1.2470e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	5.3600e-004	6.3100e-004
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.48	0.61
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.31	0.37
tblVehicleEF	MHD	0.66	1.03
tblVehicleEF	MHD	6.78	8.33
tblVehicleEF	MHD	160.66	161.10
tblVehicleEF	MHD	1,207.41	1,218.04
tblVehicleEF	MHD	57.19	59.83
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.00	1.33
tblVehicleEF	MHD	2.17	3.30



## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	MHD	11.28	11.29
tblVehicleEF	MHD	2.6090e-003	4.9300e-003
tblVehicleEF	MHD	0.05	0.09
tblVehicleEF	MHD	9.6600e-004	1.2660e-003
tblVehicleEF	MHD	2.4960e-003	4.7170e-003
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	8.8900e-004	1.1700e-003
tblVehicleEF	MHD	2.5140e-003	3.1420e-003
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.2420e-003	1.5180e-003
tblVehicleEF	MHD	0.12	0.23
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.41	0.51
tblVehicleEF	MHD	1.5430e-003	1.5480e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.9100e-004	7.4500e-004
tblVehicleEF	MHD	2.5140e-003	3.1420e-003
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	1.2420e-003	1.5180e-003
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.45	0.56
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.7820e-003	0.02
tblVehicleEF	MHD	0.07	0.08

First Street Green Project - Bay Area AQMD Air District, Summer

tbVehicleEF	MHD	0.58	0.69
tbVehicleEF	MHD	0.64	1.01
tbVehicleEF	MHD	8.00	9.82
tbVehicleEF	MHD	139.26	139.65
tbVehicleEF	MHD	1,207.41	1,218.04
tbVehicleEF	MHD	57.19	59.83
tbVehicleEF	MHD	0.02	0.02
tbVehicleEF	MHD	0.92	1.23
tbVehicleEF	MHD	2.30	3.50
tbVehicleEF	MHD	11.42	11.45
tbVehicleEF	MHD	3.7660e-003	7.1160e-003
tbVehicleEF	MHD	0.05	0.09
tbVehicleEF	MHD	9.6600e-004	1.2660e-003
tbVehicleEF	MHD	3.6030e-003	6.8090e-003
tbVehicleEF	MHD	0.04	0.09
tbVehicleEF	MHD	8.8900e-004	1.1700e-003
tbVehicleEF	MHD	4.2600e-004	4.9700e-004
tbVehicleEF	MHD	0.05	0.07
tbVehicleEF	MHD	0.04	0.04
tbVehicleEF	MHD	2.3400e-004	2.6300e-004
tbVehicleEF	MHD	0.12	0.23
tbVehicleEF	MHD	0.03	0.03
tbVehicleEF	MHD	0.47	0.58
tbVehicleEF	MHD	1.3420e-003	1.3460e-003
tbVehicleEF	MHD	0.01	0.01
tbVehicleEF	MHD	7.1200e-004	7.7100e-004
tbVehicleEF	MHD	4.2600e-004	4.9700e-004

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	2.3400e-004	2.6300e-004
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.51	0.64
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.29	0.30
tblVehicleEF	OBUS	0.74	0.96
tblVehicleEF	OBUS	6.29	7.17
tblVehicleEF	OBUS	126.46	123.21
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.78	0.86
tblVehicleEF	OBUS	2.45	2.87
tblVehicleEF	OBUS	3.35	3.40
tblVehicleEF	OBUS	3.6800e-004	5.0900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	3.5200e-004	4.8700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	1.1640e-003	1.2340e-003
tblVehicleEF	OBUS	0.02	0.02

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.3400e-004	5.4900e-004
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.39	0.45
tblVehicleEF	OBUS	1.2180e-003	1.1870e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	8.0900e-004
tblVehicleEF	OBUS	1.1640e-003	1.2340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	5.3400e-004	5.4900e-004
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.43	0.49
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.28
tblVehicleEF	OBUS	0.76	0.98
tblVehicleEF	OBUS	5.72	6.52
tblVehicleEF	OBUS	133.00	129.55
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.81	0.89
tblVehicleEF	OBUS	2.34	2.74

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	OBUS	3.28	3.31
tblVehicleEF	OBUS	3.1000e-004	4.2900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	2.9600e-004	4.1100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	2.7110e-003	2.9100e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.1710e-003	1.2360e-003
tblVehicleEF	OBUS	0.09	0.11
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.37	0.42
tblVehicleEF	OBUS	1.2810e-003	1.2480e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6700e-004	7.9800e-004
tblVehicleEF	OBUS	2.7110e-003	2.9100e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.1710e-003	1.2360e-003
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.40	0.46
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.04

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	OBUS	0.32	0.33
tblVehicleEF	OBUS	0.73	0.94
tblVehicleEF	OBUS	6.77	7.73
tblVehicleEF	OBUS	117.42	114.46
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.75	0.82
tblVehicleEF	OBUS	2.49	2.92
tblVehicleEF	OBUS	3.42	3.47
tblVehicleEF	OBUS	4.4700e-004	6.1900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	4.2800e-004	5.9300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	5.7700e-004	5.9100e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.5700e-004	2.5900e-004
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.41	0.48
tblVehicleEF	OBUS	1.1320e-003	1.1040e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	8.1800e-004
tblVehicleEF	OBUS	5.7700e-004	5.9100e-004

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	2.5700e-004	2.5900e-004
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.45	0.52
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	5.40	5.13
tblVehicleEF	SBUS	0.87	1.03
tblVehicleEF	SBUS	6.36	6.69
tblVehicleEF	SBUS	1,288.91	1,314.86
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14
tblVehicleEF	SBUS	8.7700e-004	8.6800e-004
tblVehicleEF	SBUS	13.15	14.73
tblVehicleEF	SBUS	5.51	6.39
tblVehicleEF	SBUS	15.68	16.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.6500e-004	5.8000e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	2.7770e-003	2.7940e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.1900e-004	5.3300e-004

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	SBUS	1.9710e-003	2.3990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.65	0.62
tblVehicleEF	SBUS	8.0700e-004	8.9200e-004
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.32	0.33
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4600e-004	4.2700e-004
tblVehicleEF	SBUS	1.9710e-003	2.3990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.93	0.88
tblVehicleEF	SBUS	8.0700e-004	8.9200e-004
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.34	0.37
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.07	0.08
tblVehicleEF	SBUS	5.24	4.94
tblVehicleEF	SBUS	0.89	1.05
tblVehicleEF	SBUS	4.66	4.91
tblVehicleEF	SBUS	1,355.64	1,383.85
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14
tblVehicleEF	SBUS	8.7700e-004	8.6800e-004



## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	SBUS	13.58	15.20
tblVehicleEF	SBUS	5.29	6.13
tblVehicleEF	SBUS	15.64	16.13
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.6500e-004	5.8000e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	2.7770e-003	2.7940e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.1900e-004	5.3300e-004
tblVehicleEF	SBUS	4.5750e-003	5.6890e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.65	0.62
tblVehicleEF	SBUS	1.7980e-003	2.0490e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	9.4490e-003	0.01
tblVehicleEF	SBUS	0.26	0.28
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.1700e-004	3.9700e-004
tblVehicleEF	SBUS	4.5750e-003	5.6890e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.93	0.88
tblVehicleEF	SBUS	1.7980e-003	2.0490e-003
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	9.4490e-003	0.01

First Street Green Project - Bay Area AQMD Air District, Summer

0.31	0.29	SBUS	tbVehicleEF
0.90	0.89	SBUS	tbVehicleEF
0.02	0.01	SBUS	tbVehicleEF
0.11	0.10	SBUS	tbVehicleEF
5.39	5.63	SBUS	tbVehicleEF
1.01	0.85	SBUS	tbVehicleEF
8.37	7.95	SBUS	tbVehicleEF
1,219.58	1,196.76	SBUS	tbVehicleEF
1,172.94	1,154.61	SBUS	tbVehicleEF
31.14	33.60	SBUS	tbVehicleEF
8.6800e-004	8.7700e-004	SBUS	tbVehicleEF
14.07	12.57	SBUS	tbVehicleEF
6.50	5.61	SBUS	tbVehicleEF
16.20	15.71	SBUS	tbVehicleEF
0.02	0.02	SBUS	tbVehicleEF
0.02	0.02	SBUS	tbVehicleEF
5.8000e-004	5.6500e-004	SBUS	tbVehicleEF
0.04	0.03	SBUS	tbVehicleEF
2.7940e-003	2.7770e-003	SBUS	tbVehicleEF
0.04	0.03	SBUS	tbVehicleEF
5.3300e-004	5.1900e-004	SBUS	tbVehicleEF
1.0470e-003	9.4300e-004	SBUS	tbVehicleEF
0.03	0.02	SBUS	tbVehicleEF
0.63	0.66	SBUS	tbVehicleEF
4.1400e-004	3.9300e-004	SBUS	tbVehicleEF
0.14	0.13	SBUS	tbVehicleEF

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.36	0.38
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.7200e-004	4.5500e-004
tblVehicleEF	SBUS	9.4300e-004	1.0470e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.94	0.89
tblVehicleEF	SBUS	3.9300e-004	4.1400e-004
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.39	0.42
tblVehicleEF	UBUS	0.30	0.31
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.15	7.47
tblVehicleEF	UBUS	8.31	8.36
tblVehicleEF	UBUS	2,178.97	2,231.08
tblVehicleEF	UBUS	85.39	77.02
tblVehicleEF	UBUS	2.4420e-003	2.6830e-003
tblVehicleEF	UBUS	13.34	15.45
tblVehicleEF	UBUS	16.06	16.71
tblVehicleEF	UBUS	0.64	0.67
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	8.6900e-004	9.7900e-004
tblVehicleEF	UBUS	0.28	0.29
tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004

First Street Green Project - Bay Area AQMD Air District, Summer

tbVehicleEF	UBUS	2.6490e-003	2.8250e-003
tbVehicleEF	UBUS	0.06	0.07
tbVehicleEF	UBUS	1.3090e-003	1.3660e-003
tbVehicleEF	UBUS	0.81	0.97
tbVehicleEF	UBUS	0.01	0.01
tbVehicleEF	UBUS	0.61	0.63
tbVehicleEF	UBUS	0.02	0.02
tbVehicleEF	UBUS	1.0030e-003	9.2100e-004
tbVehicleEF	UBUS	2.6490e-003	2.8250e-003
tbVehicleEF	UBUS	0.06	0.07
tbVehicleEF	UBUS	1.3090e-003	1.3660e-003
tbVehicleEF	UBUS	1.18	1.36
tbVehicleEF	UBUS	0.01	0.01
tbVehicleEF	UBUS	0.66	0.69
tbVehicleEF	UBUS	0.30	0.31
tbVehicleEF	UBUS	0.04	0.04
tbVehicleEF	UBUS	6.22	7.46
tbVehicleEF	UBUS	6.51	6.59
tbVehicleEF	UBUS	2,178.97	2,231.08
tbVehicleEF	UBUS	85.39	77.02
tbVehicleEF	UBUS	2.4420e-003	2.6830e-003
tbVehicleEF	UBUS	12.78	14.81
tbVehicleEF	UBUS	15.98	16.64
tbVehicleEF	UBUS	0.64	0.67
tbVehicleEF	UBUS	0.28	0.32
tbVehicleEF	UBUS	8.6900e-004	9.7900e-004
tbVehicleEF	UBUS	0.28	0.29

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	6.4350e-003	6.9060e-003
tblVehicleEF	UBUS	0.06	0.07
tblVehicleEF	UBUS	2.9500e-003	3.2210e-003
tblVehicleEF	UBUS	0.82	0.98
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.52	0.54
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7200e-004	8.9000e-004
tblVehicleEF	UBUS	6.4350e-003	6.9060e-003
tblVehicleEF	UBUS	0.06	0.07
tblVehicleEF	UBUS	2.9500e-003	3.2210e-003
tblVehicleEF	UBUS	1.20	1.38
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.57	0.59
tblVehicleEF	UBUS	0.30	0.30
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.10	7.50
tblVehicleEF	UBUS	9.94	9.97
tblVehicleEF	UBUS	2,178.97	2,231.08
tblVehicleEF	UBUS	85.39	77.02
tblVehicleEF	UBUS	2.4420e-003	2.6830e-003
tblVehicleEF	UBUS	13.55	15.70
tblVehicleEF	UBUS	16.12	16.77
tblVehicleEF	UBUS	0.64	0.67
tblVehicleEF	UBUS	0.28	0.32

## First Street Green Project - Bay Area AQMD Air District, Summer

tblVehicleEF	UBUS	8.6900e-004	9.7900e-004
tblVehicleEF	UBUS	0.28	0.29
tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	1.1230e-003	1.1820e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	5.5800e-004	5.3600e-004
tblVehicleEF	UBUS	0.81	0.97
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.0310e-003	9.4900e-004
tblVehicleEF	UBUS	1.1230e-003	1.1820e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	5.5800e-004	5.3600e-004
tblVehicleEF	UBUS	1.17	1.36
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.74	0.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	20.84
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	10.86
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	14.69

First Street Green Project - Bay Area AQMD Air District, Summer

**2.0 Emissions Summary**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	3.7422	104.5585	23.7172	0.2468	5.4543	0.9545	6.3855	1.4446	0.8970	2.3151	0.0000	26,256.45 90	26,256.45 90	1.6635	0.0000	26,298.04 65
2019	21.6582	21.9097	14.3254	0.0278	0.4736	1.2224	1.3456	0.1285	1.1254	1.1581	0.0000	2,674.191 1	2,674.191 1	0.6907	0.0000	2,683.600 9
<b>Maximum</b>	<b>21.6582</b>	<b>104.5585</b>	<b>23.7172</b>	<b>0.2468</b>	<b>5.4543</b>	<b>1.2224</b>	<b>6.3855</b>	<b>1.4446</b>	<b>1.1254</b>	<b>2.3151</b>	<b>0.0000</b>	<b>26,256.45 90</b>	<b>26,256.45 90</b>	<b>1.6635</b>	<b>0.0000</b>	<b>26,298.04 65</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	2.9855	96.2542	25.3277	0.2468	5.2529	0.5014	5.7543	1.4166	0.4852	1.9018	0.0000	26,256.45 90	26,256.45 90	1.6635	0.0000	26,298.04 65
2019	21.3822	16.3022	14.8128	0.0278	0.4736	0.7966	0.9198	0.1285	0.7500	0.7827	0.0000	2,674.191 1	2,674.191 1	0.6907	0.0000	2,683.600 9
<b>Maximum</b>	<b>21.3822</b>	<b>96.2542</b>	<b>25.3277</b>	<b>0.2468</b>	<b>5.2529</b>	<b>0.7966</b>	<b>5.7543</b>	<b>1.4166</b>	<b>0.7500</b>	<b>1.9018</b>	<b>0.0000</b>	<b>26,256.45 90</b>	<b>26,256.45 90</b>	<b>1.6635</b>	<b>0.0000</b>	<b>26,298.04 65</b>

## First Street Green Project - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	4.07	11.00	-5.51	0.00	3.40	40.37	13.67	1.78	38.92	22.71	0.00	0.00	0.00	0.00	0.00	0.00



First Street Green Project - Bay Area AQMD Air District, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.9733	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227
Energy	0.0448	0.4072	0.3420	2.4400e-003		0.0309	0.0309		0.0309	0.0309		488.5908	488.5908	9.3600e-003	8.9600e-003	491.4942
Mobile	3.6689	14.6129	38.4198	0.1111	8.4672	0.1407	8.6079	2.2660	0.1329	2.3988		11,201.3165	11,201.3165	0.4602		11,212.8214
<b>Total</b>	<b>5.6870</b>	<b>15.0201</b>	<b>38.7718</b>	<b>0.1136</b>	<b>8.4672</b>	<b>0.1717</b>	<b>8.6389</b>	<b>2.2660</b>	<b>0.1638</b>	<b>2.4298</b>		<b>11,689.9286</b>	<b>11,689.9286</b>	<b>0.4696</b>	<b>8.9600e-003</b>	<b>11,704.3383</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.9733	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227
Energy	0.0428	0.3888	0.3266	2.3300e-003		0.0296	0.0296		0.0296	0.0296		466.5201	466.5201	8.9400e-003	8.5500e-003	469.2924
Mobile	3.6689	14.6129	38.4198	0.1111	8.4672	0.1407	8.6079	2.2660	0.1329	2.3988		11,201.3165	11,201.3165	0.4602		11,212.8214
<b>Total</b>	<b>5.6850</b>	<b>15.0017</b>	<b>38.7563</b>	<b>0.1134</b>	<b>8.4672</b>	<b>0.1703</b>	<b>8.6375</b>	<b>2.2660</b>	<b>0.1624</b>	<b>2.4284</b>		<b>11,667.8580</b>	<b>11,667.8580</b>	<b>0.4692</b>	<b>8.5500e-003</b>	<b>11,682.1366</b>

## First Street Green Project - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.04	0.12	0.04	0.10	0.00	0.81	0.02	0.00	0.85	0.06	0.00	0.19	0.19	0.09	4.58	0.19

### 3.0 Construction Detail

---

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	2/23/2018	5	40	
2	Site Preparation	Site Preparation	2/24/2018	3/23/2018	5	20	
3	Grading	Grading	3/24/2018	5/4/2018	5	30	
4	Building Construction	Building Construction	5/5/2018	6/28/2019	5	300	
5	Site Utilities	Trenching	6/29/2019	9/6/2019	5	50	
6	Paving	Paving	9/7/2019	11/1/2019	5	40	
7	Architectural Coating	Architectural Coating	11/2/2019	12/27/2019	5	40	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0.36

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 121,440; Non-Residential Outdoor: 40,480; Striped Parking Area: 948 (Architectural Coating – sqft)

#### OffRoad Equipment

## First Street Green Project - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48
Site Utilities	Excavators	1	8.00	158	0.38
Site Utilities	Plate Compactors	1	8.00	8	0.43
Site Utilities	Rollers	1	8.00	80	0.38
Site Utilities	Rubber Tired Dozers	1	8.00	247	0.40
Site Utilities	Sweepers/Scrubbers	1	8.00	64	0.46
Site Utilities	Tractors/Loaders/Backhoes	1	8.00	97	0.37

First Street Green Project - Bay Area AQMD Air District, Summer

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	96.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	8,625.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	42.00	19.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

First Street Green Project - Bay Area AQMD Air District, Summer

**3.2 Demolition - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5221	0.0000	0.5221	0.0791	0.0000	0.0791			0.0000			0.0000
Off-Road	1.3177	11.8041	10.7343	0.0156		0.8259	0.8259		0.7812	0.7812		1,530.9925	1,530.9925	0.3380		1,539.4425
<b>Total</b>	<b>1.3177</b>	<b>11.8041</b>	<b>10.7343</b>	<b>0.0156</b>	<b>0.5221</b>	<b>0.8259</b>	<b>1.3480</b>	<b>0.0791</b>	<b>0.7812</b>	<b>0.8602</b>		<b>1,530.9925</b>	<b>1,530.9925</b>	<b>0.3380</b>		<b>1,539.4425</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0227	0.7747	0.1456	1.9500e-003	0.0419	3.1100e-003	0.0450	0.0115	2.9800e-003	0.0145		208.4392	208.4392	0.0107		208.7069
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0272	0.3350	8.8000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		87.3564	87.3564	2.5500e-003		87.4202
<b>Total</b>	<b>0.0649</b>	<b>0.8019</b>	<b>0.4807</b>	<b>2.8300e-003</b>	<b>0.1241</b>	<b>3.6600e-003</b>	<b>0.1277</b>	<b>0.0333</b>	<b>3.4900e-003</b>	<b>0.0368</b>		<b>295.7956</b>	<b>295.7956</b>	<b>0.0133</b>		<b>296.1270</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.2 Demolition - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2350	0.0000	0.2350	0.0356	0.0000	0.0356			0.0000			0.0000
Off-Road	0.2287	2.7255	10.8848	0.0156		0.0235	0.0235		0.0235	0.0235	0.0000	1,530.9925	1,530.9925	0.3380		1,539.4425
<b>Total</b>	<b>0.2287</b>	<b>2.7255</b>	<b>10.8848</b>	<b>0.0156</b>	<b>0.2350</b>	<b>0.0235</b>	<b>0.2585</b>	<b>0.0356</b>	<b>0.0235</b>	<b>0.0591</b>	<b>0.0000</b>	<b>1,530.9925</b>	<b>1,530.9925</b>	<b>0.3380</b>		<b>1,539.4425</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0227	0.7747	0.1456	1.9500e-003	0.0419	3.1100e-003	0.0450	0.0115	2.9800e-003	0.0145		208.4392	208.4392	0.0107		208.7069
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0272	0.3350	8.8000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		87.3564	87.3564	2.5500e-003		87.4202
<b>Total</b>	<b>0.0649</b>	<b>0.8019</b>	<b>0.4807</b>	<b>2.8300e-003</b>	<b>0.1241</b>	<b>3.6600e-003</b>	<b>0.1277</b>	<b>0.0333</b>	<b>3.4900e-003</b>	<b>0.0368</b>		<b>295.7956</b>	<b>295.7956</b>	<b>0.0133</b>		<b>296.1270</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.3 Site Preparation - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.8995	23.6201	12.7461	0.0245		0.9540	0.9540		0.8777	0.8777		2,468.413 1	2,468.413 1	0.7685		2,487.624 4
<b>Total</b>	<b>1.8995</b>	<b>23.6201</b>	<b>12.7461</b>	<b>0.0245</b>	<b>0.2386</b>	<b>0.9540</b>	<b>1.1926</b>	<b>0.0258</b>	<b>0.8777</b>	<b>0.9034</b>		<b>2,468.413 1</b>	<b>2,468.413 1</b>	<b>0.7685</b>		<b>2,487.624 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0337	0.0218	0.2680	7.0000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.1000e-004	0.0178		69.8851	69.8851	2.0400e-003		69.9361
<b>Total</b>	<b>0.0337</b>	<b>0.0218</b>	<b>0.2680</b>	<b>7.0000e-004</b>	<b>0.0657</b>	<b>4.4000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.1000e-004</b>	<b>0.0178</b>		<b>69.8851</b>	<b>69.8851</b>	<b>2.0400e-003</b>		<b>69.9361</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.3 Site Preparation - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1074	0.0000	0.1074	0.0116	0.0000	0.0116			0.0000			0.0000
Off-Road	0.5683	10.4893	13.6431	0.0245		0.3968	0.3968		0.3968	0.3968	0.0000	2,468.413 1	2,468.413 1	0.7685		2,487.624 4
<b>Total</b>	<b>0.5683</b>	<b>10.4893</b>	<b>13.6431</b>	<b>0.0245</b>	<b>0.1074</b>	<b>0.3968</b>	<b>0.5042</b>	<b>0.0116</b>	<b>0.3968</b>	<b>0.4084</b>	<b>0.0000</b>	<b>2,468.413 1</b>	<b>2,468.413 1</b>	<b>0.7685</b>		<b>2,487.624 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0337	0.0218	0.2680	7.0000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.1000e-004	0.0178		69.8851	69.8851	2.0400e-003		69.9361
<b>Total</b>	<b>0.0337</b>	<b>0.0218</b>	<b>0.2680</b>	<b>7.0000e-004</b>	<b>0.0657</b>	<b>4.4000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.1000e-004</b>	<b>0.0178</b>		<b>69.8851</b>	<b>69.8851</b>	<b>2.0400e-003</b>		<b>69.9361</b>



First Street Green Project - Bay Area AQMD Air District, Summer

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3662	0.0000	0.3662	0.0508	0.0000	0.0508			0.0000			0.0000
Off-Road	0.9854	11.7295	6.0040	0.0121		0.5577	0.5577		0.5131	0.5131		1,217.2933	1,217.2933	0.3790		1,226.7672
<b>Total</b>	<b>0.9854</b>	<b>11.7295</b>	<b>6.0040</b>	<b>0.0121</b>	<b>0.3662</b>	<b>0.5577</b>	<b>0.9239</b>	<b>0.0508</b>	<b>0.5131</b>	<b>0.5640</b>		<b>1,217.2933</b>	<b>1,217.2933</b>	<b>0.3790</b>		<b>1,226.7672</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7231	92.8073	17.4453	0.2340	5.0224	0.3731	5.3955	1.3763	0.3570	1.7333		24,969.2807	24,969.2807	1.2825		25,001.3431
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0337	0.0218	0.2680	7.0000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.1000e-004	0.0178		69.8851	69.8851	2.0400e-003		69.9361
<b>Total</b>	<b>2.7568</b>	<b>92.8290</b>	<b>17.7133</b>	<b>0.2347</b>	<b>5.0881</b>	<b>0.3736</b>	<b>5.4617</b>	<b>1.3937</b>	<b>0.3574</b>	<b>1.7511</b>		<b>25,039.1658</b>	<b>25,039.1658</b>	<b>1.2845</b>		<b>25,071.2792</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1648	0.0000	0.1648	0.0229	0.0000	0.0229			0.0000			0.0000
Off-Road	0.2287	3.4252	7.6144	0.0121		0.1279	0.1279		0.1279	0.1279	0.0000	1,217.293 2	1,217.293 2	0.3790		1,226.767 2
<b>Total</b>	<b>0.2287</b>	<b>3.4252</b>	<b>7.6144</b>	<b>0.0121</b>	<b>0.1648</b>	<b>0.1279</b>	<b>0.2926</b>	<b>0.0229</b>	<b>0.1279</b>	<b>0.1507</b>	<b>0.0000</b>	<b>1,217.293 2</b>	<b>1,217.293 2</b>	<b>0.3790</b>		<b>1,226.767 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7231	92.8073	17.4453	0.2340	5.0224	0.3731	5.3955	1.3763	0.3570	1.7333		24,969.28 07	24,969.28 07	1.2825		25,001.34 31
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0337	0.0218	0.2680	7.0000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.1000e-004	0.0178		69.8851	69.8851	2.0400e-003		69.9361
<b>Total</b>	<b>2.7568</b>	<b>92.8290</b>	<b>17.7133</b>	<b>0.2347</b>	<b>5.0881</b>	<b>0.3736</b>	<b>5.4617</b>	<b>1.3937</b>	<b>0.3574</b>	<b>1.7511</b>		<b>25,039.16 58</b>	<b>25,039.16 58</b>	<b>1.2845</b>		<b>25,071.27 92</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.5 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1378	15.8726	11.1983	0.0190		0.9100	0.9100		0.8763	0.8763		1,772.3755	1,772.3755	0.3532		1,781.2046
<b>Total</b>	<b>2.1378</b>	<b>15.8726</b>	<b>11.1983</b>	<b>0.0190</b>		<b>0.9100</b>	<b>0.9100</b>		<b>0.8763</b>	<b>0.8763</b>		<b>1,772.3755</b>	<b>1,772.3755</b>	<b>0.3532</b>		<b>1,781.2046</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0981	2.5088	0.6354	5.3100e-003	0.1286	0.0194	0.1480	0.0370	0.0186	0.0556		561.4457	561.4457	0.0309		562.2168
Worker	0.1769	0.1143	1.4071	3.6900e-003	0.3450	2.3300e-003	0.3474	0.0915	2.1500e-003	0.0937		366.8968	366.8968	0.0107		367.1647
<b>Total</b>	<b>0.2750</b>	<b>2.6230</b>	<b>2.0425</b>	<b>9.0000e-003</b>	<b>0.4736</b>	<b>0.0217</b>	<b>0.4954</b>	<b>0.1285</b>	<b>0.0207</b>	<b>0.1493</b>		<b>928.3425</b>	<b>928.3425</b>	<b>0.0416</b>		<b>929.3815</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.5 Building Construction - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	8.0564	11.2835	0.0190		0.1789	0.1789		0.1789	0.1789	0.0000	1,772.3755	1,772.3755	0.3532		1,781.2046
<b>Total</b>	<b>0.3329</b>	<b>8.0564</b>	<b>11.2835</b>	<b>0.0190</b>		<b>0.1789</b>	<b>0.1789</b>		<b>0.1789</b>	<b>0.1789</b>	<b>0.0000</b>	<b>1,772.3755</b>	<b>1,772.3755</b>	<b>0.3532</b>		<b>1,781.2046</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0981	2.5088	0.6354	5.3100e-003	0.1286	0.0194	0.1480	0.0370	0.0186	0.0556		561.4457	561.4457	0.0309		562.2168
Worker	0.1769	0.1143	1.4071	3.6900e-003	0.3450	2.3300e-003	0.3474	0.0915	2.1500e-003	0.0937		366.8968	366.8968	0.0107		367.1647
<b>Total</b>	<b>0.2750</b>	<b>2.6230</b>	<b>2.0425</b>	<b>9.0000e-003</b>	<b>0.4736</b>	<b>0.0217</b>	<b>0.4954</b>	<b>0.1285</b>	<b>0.0207</b>	<b>0.1493</b>		<b>928.3425</b>	<b>928.3425</b>	<b>0.0416</b>		<b>929.3815</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8783	14.4617	10.8247	0.0190		0.7905	0.7905		0.7612	0.7612		1,760.5210	1,760.5210	0.3374		1,768.9569
<b>Total</b>	<b>1.8783</b>	<b>14.4617</b>	<b>10.8247</b>	<b>0.0190</b>		<b>0.7905</b>	<b>0.7905</b>		<b>0.7612</b>	<b>0.7612</b>		<b>1,760.5210</b>	<b>1,760.5210</b>	<b>0.3374</b>		<b>1,768.9569</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0881	2.3730	0.5794	5.2700e-003	0.1286	0.0164	0.1450	0.0370	0.0157	0.0527		557.7546	557.7546	0.0295		558.4920
Worker	0.1597	0.1000	1.2524	3.5700e-003	0.3450	2.2800e-003	0.3473	0.0915	2.1100e-003	0.0936		355.9155	355.9155	9.4600e-003		356.1520
<b>Total</b>	<b>0.2478</b>	<b>2.4730</b>	<b>1.8318</b>	<b>8.8400e-003</b>	<b>0.4736</b>	<b>0.0187</b>	<b>0.4923</b>	<b>0.1285</b>	<b>0.0178</b>	<b>0.1464</b>		<b>913.6701</b>	<b>913.6701</b>	<b>0.0390</b>		<b>914.6440</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.5 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	8.0564	11.2835	0.0190		0.1789	0.1789		0.1789	0.1789	0.0000	1,760.5210	1,760.5210	0.3374		1,768.9569
<b>Total</b>	<b>0.3329</b>	<b>8.0564</b>	<b>11.2835</b>	<b>0.0190</b>		<b>0.1789</b>	<b>0.1789</b>		<b>0.1789</b>	<b>0.1789</b>	<b>0.0000</b>	<b>1,760.5210</b>	<b>1,760.5210</b>	<b>0.3374</b>		<b>1,768.9569</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0881	2.3730	0.5794	5.2700e-003	0.1286	0.0164	0.1450	0.0370	0.0157	0.0527		557.7546	557.7546	0.0295		558.4920
Worker	0.1597	0.1000	1.2524	3.5700e-003	0.3450	2.2800e-003	0.3473	0.0915	2.1100e-003	0.0936		355.9155	355.9155	9.4600e-003		356.1520
<b>Total</b>	<b>0.2478</b>	<b>2.4730</b>	<b>1.8318</b>	<b>8.8400e-003</b>	<b>0.4736</b>	<b>0.0187</b>	<b>0.4923</b>	<b>0.1285</b>	<b>0.0178</b>	<b>0.1464</b>		<b>913.6701</b>	<b>913.6701</b>	<b>0.0390</b>		<b>914.6440</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.6 Site Utilities - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1616	21.8740	13.8782	0.0223		1.2216	1.2216		1.1246	1.1246		2,195.5938	2,195.5938	0.6873		2,212.7772
<b>Total</b>	<b>2.1616</b>	<b>21.8740</b>	<b>13.8782</b>	<b>0.0223</b>		<b>1.2216</b>	<b>1.2216</b>		<b>1.1246</b>	<b>1.1246</b>		<b>2,195.5938</b>	<b>2,195.5938</b>	<b>0.6873</b>		<b>2,212.7772</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0570	0.0357	0.4473	1.2800e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		127.1127	127.1127	3.3800e-003		127.1972
<b>Total</b>	<b>0.0570</b>	<b>0.0357</b>	<b>0.4473</b>	<b>1.2800e-003</b>	<b>0.1232</b>	<b>8.2000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>127.1127</b>	<b>127.1127</b>	<b>3.3800e-003</b>		<b>127.1972</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.6 Site Utilities - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4048	16.2665	14.3655	0.0223		0.7958	0.7958		0.7492	0.7492	0.0000	2,195.5938	2,195.5938	0.6873		2,212.7772
<b>Total</b>	<b>1.4048</b>	<b>16.2665</b>	<b>14.3655</b>	<b>0.0223</b>		<b>0.7958</b>	<b>0.7958</b>		<b>0.7492</b>	<b>0.7492</b>	<b>0.0000</b>	<b>2,195.5938</b>	<b>2,195.5938</b>	<b>0.6873</b>		<b>2,212.7772</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0570	0.0357	0.4473	1.2800e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		127.1127	127.1127	3.3800e-003		127.1972
<b>Total</b>	<b>0.0570</b>	<b>0.0357</b>	<b>0.4473</b>	<b>1.2800e-003</b>	<b>0.1232</b>	<b>8.2000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>127.1127</b>	<b>127.1127</b>	<b>3.3800e-003</b>		<b>127.1972</b>



First Street Green Project - Bay Area AQMD Air District, Summer

**3.7 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1866	12.2003	11.5424	0.0171		0.7157	0.7157		0.6584	0.6584		1,695.7269	1,695.7269	0.5365		1,709.1396
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1866</b>	<b>12.2003</b>	<b>11.5424</b>	<b>0.0171</b>		<b>0.7157</b>	<b>0.7157</b>		<b>0.6584</b>	<b>0.6584</b>		<b>1,695.7269</b>	<b>1,695.7269</b>	<b>0.5365</b>		<b>1,709.1396</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0494	0.0310	0.3876	1.1100e-003	0.1068	7.1000e-004	0.1075	0.0283	6.5000e-004	0.0290		110.1643	110.1643	2.9300e-003		110.2375
<b>Total</b>	<b>0.0494</b>	<b>0.0310</b>	<b>0.3876</b>	<b>1.1100e-003</b>	<b>0.1068</b>	<b>7.1000e-004</b>	<b>0.1075</b>	<b>0.0283</b>	<b>6.5000e-004</b>	<b>0.0290</b>		<b>110.1643</b>	<b>110.1643</b>	<b>2.9300e-003</b>		<b>110.2375</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.7 Paving - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3837	6.8481	12.9737	0.0171		0.3259	0.3259		0.3259	0.3259	0.0000	1,695.7269	1,695.7269	0.5365		1,709.1396
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3837</b>	<b>6.8481</b>	<b>12.9737</b>	<b>0.0171</b>		<b>0.3259</b>	<b>0.3259</b>		<b>0.3259</b>	<b>0.3259</b>	<b>0.0000</b>	<b>1,695.7269</b>	<b>1,695.7269</b>	<b>0.5365</b>		<b>1,709.1396</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0494	0.0310	0.3876	1.1100e-003	0.1068	7.1000e-004	0.1075	0.0283	6.5000e-004	0.0290		110.1643	110.1643	2.9300e-003		110.2375
<b>Total</b>	<b>0.0494</b>	<b>0.0310</b>	<b>0.3876</b>	<b>1.1100e-003</b>	<b>0.1068</b>	<b>7.1000e-004</b>	<b>0.1075</b>	<b>0.0283</b>	<b>6.5000e-004</b>	<b>0.0290</b>		<b>110.1643</b>	<b>110.1643</b>	<b>2.9300e-003</b>		<b>110.2375</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.8 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.2726					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3553	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717		375.2641	375.2641	0.0317		376.0565
<b>Total</b>	<b>21.6278</b>	<b>2.4472</b>	<b>2.4551</b>	<b>3.9600e-003</b>		<b>0.1717</b>	<b>0.1717</b>		<b>0.1717</b>	<b>0.1717</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0317</b>		<b>376.0565</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0304	0.0191	0.2386	6.8000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		67.7934	67.7934	1.8000e-003		67.8385
<b>Total</b>	<b>0.0304</b>	<b>0.0191</b>	<b>0.2386</b>	<b>6.8000e-004</b>	<b>0.0657</b>	<b>4.4000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.0000e-004</b>	<b>0.0178</b>		<b>67.7934</b>	<b>67.7934</b>	<b>1.8000e-003</b>		<b>67.8385</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**3.8 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.2726					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0792	1.8093	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0317		376.0565
<b>Total</b>	<b>21.3518</b>	<b>1.8093</b>	<b>2.4432</b>	<b>3.9600e-003</b>		<b>0.1268</b>	<b>0.1268</b>		<b>0.1268</b>	<b>0.1268</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0317</b>		<b>376.0565</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0304	0.0191	0.2386	6.8000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		67.7934	67.7934	1.8000e-003		67.8385
<b>Total</b>	<b>0.0304</b>	<b>0.0191</b>	<b>0.2386</b>	<b>6.8000e-004</b>	<b>0.0657</b>	<b>4.4000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.0000e-004</b>	<b>0.0178</b>		<b>67.7934</b>	<b>67.7934</b>	<b>1.8000e-003</b>		<b>67.8385</b>

**4.0 Operational Detail - Mobile**

---

First Street Green Project - Bay Area AQMD Air District, Summer

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6689	14.6129	38.4198	0.1111	8.4672	0.1407	8.6079	2.2660	0.1329	2.3988		11,201.3165	11,201.3165	0.4602		11,212.8214
Unmitigated	3.6689	14.6129	38.4198	0.1111	8.4672	0.1407	8.6079	2.2660	0.1329	2.3988		11,201.3165	11,201.3165	0.4602		11,212.8214

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	1,175.20	1,667.20	868.80	2,871,800	2,871,800
Total	1,175.20	1,667.20	868.80	2,871,800	2,871,800

**4.3 Trip Type Information**

First Street Green Project - Bay Area AQMD Air District, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
Enclosed Parking Structure	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
City Park	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
Fast Food Restaurant w/o Drive Thru	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

First Street Green Project - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0428	0.3888	0.3266	2.3300e-003		0.0296	0.0296		0.0296	0.0296		466.5201	466.5201	8.9400e-003	8.5500e-003	469.2924
NaturalGas Unmitigated	0.0448	0.4072	0.3420	2.4400e-003		0.0309	0.0309		0.0309	0.0309		488.5908	488.5908	9.3600e-003	8.9600e-003	491.4942

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	547.542	5.9000e-003	0.0537	0.0451	3.2000e-004		4.0800e-003	4.0800e-003		4.0800e-003	4.0800e-003		64.4167	64.4167	1.2300e-003	1.1800e-003	64.7995
General Office Building	3605.48	0.0389	0.3535	0.2969	2.1200e-003		0.0269	0.0269		0.0269	0.0269		424.1741	424.1741	8.1300e-003	7.7800e-003	426.6947
<b>Total</b>		<b>0.0448</b>	<b>0.4072</b>	<b>0.3420</b>	<b>2.4400e-003</b>		<b>0.0309</b>	<b>0.0309</b>		<b>0.0309</b>	<b>0.0309</b>		<b>488.5908</b>	<b>488.5908</b>	<b>9.3600e-003</b>	<b>8.9600e-003</b>	<b>491.4942</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**5.2 Energy by Land Use - Natural Gas**

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.539558	5.8200e-003	0.0529	0.0444	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003		63.4774	63.4774	1.2200e-003	1.1600e-003	63.8546
General Office Building	3.42586	0.0370	0.3359	0.2821	2.0200e-003		0.0255	0.0255		0.0255	0.0255		403.0427	403.0427	7.7200e-003	7.3900e-003	405.4378
<b>Total</b>		<b>0.0428</b>	<b>0.3888</b>	<b>0.3266</b>	<b>2.3400e-003</b>		<b>0.0296</b>	<b>0.0296</b>		<b>0.0296</b>	<b>0.0296</b>		<b>466.5201</b>	<b>466.5201</b>	<b>8.9400e-003</b>	<b>8.5500e-003</b>	<b>469.2924</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior



First Street Green Project - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9733	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227
Unmitigated	1.9733	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2331					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4000e-004	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227
<b>Total</b>	<b>1.9733</b>	<b>9.0000e-005</b>	<b>9.9900e-003</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0213</b>	<b>0.0213</b>	<b>6.0000e-005</b>		<b>0.0227</b>

First Street Green Project - Bay Area AQMD Air District, Summer

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2331					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4000e-004	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227
<b>Total</b>	<b>1.9733</b>	<b>9.0000e-005</b>	<b>9.9900e-003</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0213</b>	<b>0.0213</b>	<b>6.0000e-005</b>		<b>0.0227</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

---

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment**

---

Fire Pumps and Emergency Generators

First Street Green Project - Bay Area AQMD Air District, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---

First Street Green Project - Bay Area AQMD Air District, Winter

**First Street Green Project**  
**Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	80.00	1000sqft	1.84	80,000.00	0
Enclosed Parking Structure	15.80	1000sqft	0.36	15,800.00	0
City Park	0.51	Acre	0.51	22,000.00	0
Fast Food Restaurant w/o Drive Thru	0.96	1000sqft	0.02	960.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2020
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	427	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



First Street Green Project - Bay Area AQMD Air District, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	220.00	300.00

First Street Green Project - Bay Area AQMD Air District, Winter

tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	3.00	20.00
tblConstructionPhase	PhaseEndDate	9/6/2019	6/28/2019
tblConstructionPhase	PhaseStartDate	7/14/2018	5/5/2018
tblGrading	AcresOfGrading	15.00	3.00
tblGrading	AcresOfGrading	30.00	4.50
tblGrading	MaterialExported	0.00	69,000.00
tblLandUse	GreenSpaceSquareFeet	22,215.60	22,000.00
tblLandUse	LandUseSquareFeet	22,215.60	22,000.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

## First Street Green Project - Bay Area AQMD Air District, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	427
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	HaulingTripNumber	97.00	96.00
tblVehicleEF	HHD	0.62	0.69
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.12	0.17
tblVehicleEF	HHD	2.70	3.14
tblVehicleEF	HHD	1.02	1.06
tblVehicleEF	HHD	3.42	4.15
tblVehicleEF	HHD	4,628.81	4,578.45
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	22.72	25.19
tblVehicleEF	HHD	4.49	5.21
tblVehicleEF	HHD	19.70	19.70
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003



## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	9.5000e-005	1.4500e-004
tblVehicleEF	HHD	5.8140e-003	0.01
tblVehicleEF	HHD	0.69	0.81
tblVehicleEF	HHD	6.0000e-005	8.7000e-005
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.2500e-004	8.9800e-004
tblVehicleEF	HHD	0.11	0.17
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5800e-004	1.8900e-004
tblVehicleEF	HHD	9.5000e-005	1.4500e-004
tblVehicleEF	HHD	5.8140e-003	0.01
tblVehicleEF	HHD	0.79	0.93
tblVehicleEF	HHD	6.0000e-005	8.7000e-005
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.2500e-004	8.9800e-004
tblVehicleEF	HHD	0.13	0.19
tblVehicleEF	HHD	0.59	0.65
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.11	0.16
tblVehicleEF	HHD	1.97	2.29
tblVehicleEF	HHD	1.03	1.06
tblVehicleEF	HHD	3.13	3.83
tblVehicleEF	HHD	4,901.04	4,845.90
tblVehicleEF	HHD	1,675.61	1,718.24

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	23.44	25.99
tblVehicleEF	HHD	4.32	5.01
tblVehicleEF	HHD	19.68	19.67
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	2.3700e-004	3.7600e-004
tblVehicleEF	HHD	6.3260e-003	0.01
tblVehicleEF	HHD	0.65	0.76
tblVehicleEF	HHD	1.4400e-004	2.2400e-004
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.1700e-004	8.9300e-004
tblVehicleEF	HHD	0.11	0.16
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5400e-004	1.8300e-004
tblVehicleEF	HHD	2.3700e-004	3.7600e-004
tblVehicleEF	HHD	6.3260e-003	0.01

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	HHD	0.75	0.88
tblVehicleEF	HHD	1.4400e-004	2.2400e-004
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.1700e-004	8.9300e-004
tblVehicleEF	HHD	0.12	0.17
tblVehicleEF	HHD	0.67	0.74
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.13	0.19
tblVehicleEF	HHD	3.71	4.30
tblVehicleEF	HHD	1.01	1.05
tblVehicleEF	HHD	3.69	4.49
tblVehicleEF	HHD	4,252.86	4,209.10
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	21.72	24.09
tblVehicleEF	HHD	4.56	5.29
tblVehicleEF	HHD	19.72	19.72
tblVehicleEF	HHD	0.03	0.05
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	6.3370e-003	0.01
tblVehicleEF	HHD	0.74	0.87
tblVehicleEF	HHD	2.6000e-005	3.4000e-005
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.7900e-004	9.8000e-004
tblVehicleEF	HHD	0.12	0.18
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.6300e-004	1.9400e-004
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	6.3370e-003	0.01
tblVehicleEF	HHD	0.86	1.00
tblVehicleEF	HHD	2.6000e-005	3.4000e-005
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.7900e-004	9.8000e-004
tblVehicleEF	HHD	0.13	0.20
tblVehicleEF	LDA	4.9090e-003	6.2350e-003
tblVehicleEF	LDA	7.8890e-003	0.01
tblVehicleEF	LDA	0.63	0.77
tblVehicleEF	LDA	1.59	2.05
tblVehicleEF	LDA	271.43	291.94
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.14

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.12	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	2.7180e-003	2.9260e-003
tblVehicleEF	LDA	6.4300e-004	6.9000e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.12	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.12	0.16
tblVehicleEF	LDA	5.4630e-003	6.9190e-003
tblVehicleEF	LDA	6.4710e-003	8.9460e-003
tblVehicleEF	LDA	0.74	0.90
tblVehicleEF	LDA	1.24	1.61
tblVehicleEF	LDA	292.85	314.97
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.12

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.14	0.17
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	2.9340e-003	3.1570e-003
tblVehicleEF	LDA	6.3700e-004	6.8200e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.14	0.17
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.13
tblVehicleEF	LDA	4.8040e-003	6.1180e-003
tblVehicleEF	LDA	8.9430e-003	0.01
tblVehicleEF	LDA	0.62	0.76
tblVehicleEF	LDA	1.86	2.40
tblVehicleEF	LDA	268.77	289.10
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.11	0.15

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.17
tblVehicleEF	LDA	2.6920e-003	2.8970e-003
tblVehicleEF	LDA	6.4800e-004	6.9600e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.18
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.27	1.66
tblVehicleEF	LDT1	3.40	4.32
tblVehicleEF	LDT1	328.14	345.44
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.13	0.17
tblVehicleEF	LDT1	0.19	0.25

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.09	0.11
tblVehicleEF	LDT1	0.27	0.31
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.21
tblVehicleEF	LDT1	0.23	0.31
tblVehicleEF	LDT1	3.2960e-003	3.4760e-003
tblVehicleEF	LDT1	8.0100e-004	8.5000e-004
tblVehicleEF	LDT1	0.09	0.11
tblVehicleEF	LDT1	0.27	0.31
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.18	0.21
tblVehicleEF	LDT1	0.26	0.34
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.47	1.89
tblVehicleEF	LDT1	2.62	3.34
tblVehicleEF	LDT1	352.76	371.19
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.12	0.15
tblVehicleEF	LDT1	0.17	0.22



## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.23	0.28
tblVehicleEF	LDT1	0.30	0.36
tblVehicleEF	LDT1	0.17	0.20
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.19	0.25
tblVehicleEF	LDT1	3.5450e-003	3.7360e-003
tblVehicleEF	LDT1	7.8700e-004	8.3200e-004
tblVehicleEF	LDT1	0.23	0.28
tblVehicleEF	LDT1	0.30	0.36
tblVehicleEF	LDT1	0.17	0.20
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.21	0.28
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	1.27	1.66
tblVehicleEF	LDT1	4.00	5.08
tblVehicleEF	LDT1	325.17	342.33
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.15	0.19
tblVehicleEF	LDT1	0.21	0.27

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.29	0.34
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.27	0.36
tblVehicleEF	LDT1	3.2670e-003	3.4450e-003
tblVehicleEF	LDT1	8.1100e-004	8.6300e-004
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.29	0.34
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.29	0.39
tblVehicleEF	LDT2	6.2630e-003	7.7980e-003
tblVehicleEF	LDT2	9.2100e-003	0.01
tblVehicleEF	LDT2	0.78	0.95
tblVehicleEF	LDT2	1.91	2.45
tblVehicleEF	LDT2	373.37	395.49
tblVehicleEF	LDT2	84.63	89.06
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.16	0.22

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LDT2	1.7000e-003	1.6510e-003
tblVehicleEF	LDT2	2.2550e-003	2.2360e-003
tblVehicleEF	LDT2	1.5630e-003	1.5190e-003
tblVehicleEF	LDT2	2.0740e-003	2.0580e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	3.7390e-003	3.9630e-003
tblVehicleEF	LDT2	8.7900e-004	9.3300e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.14	0.18
tblVehicleEF	LDT2	6.9560e-003	8.6270e-003
tblVehicleEF	LDT2	7.5690e-003	0.01
tblVehicleEF	LDT2	0.91	1.11
tblVehicleEF	LDT2	1.49	1.91
tblVehicleEF	LDT2	401.90	425.72
tblVehicleEF	LDT2	84.63	89.06
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.19

First Street Green Project - Bay Area AQMD Air District, Winter

tbVehicleEF	LD12	1.7000e-003	1.6510e-003
tbVehicleEF	LD12	2.2550e-003	2.2360e-003
tbVehicleEF	LD12	1.5630e-003	1.5190e-003
tbVehicleEF	LD12	2.0740e-003	2.0580e-003
tbVehicleEF	LD12	0.10	0.11
tbVehicleEF	LD12	0.14	0.16
tbVehicleEF	LD12	0.08	0.09
tbVehicleEF	LD12	0.02	0.02
tbVehicleEF	LD12	0.07	0.07
tbVehicleEF	LD12	0.10	0.14
tbVehicleEF	LD12	4.0260e-003	4.2670e-003
tbVehicleEF	LD12	8.7100e-004	9.2400e-004
tbVehicleEF	LD12	0.10	0.11
tbVehicleEF	LD12	0.08	0.09
tbVehicleEF	LD12	0.03	0.03
tbVehicleEF	LD12	0.07	0.07
tbVehicleEF	LD12	0.11	0.15
tbVehicleEF	LD12	6.1220e-003	7.6450e-003
tbVehicleEF	LD12	0.01	0.01
tbVehicleEF	LD12	0.77	0.95
tbVehicleEF	LD12	2.23	2.87
tbVehicleEF	LD12	369.93	391.84
tbVehicleEF	LD12	84.63	89.06
tbVehicleEF	LD12	0.19	0.19
tbVehicleEF	LD12	0.10	0.13
tbVehicleEF	LD12	0.17	0.24

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LDT2	1.7000e-003	1.6510e-003
tblVehicleEF	LDT2	2.2550e-003	2.2360e-003
tblVehicleEF	LDT2	1.5630e-003	1.5190e-003
tblVehicleEF	LDT2	2.0740e-003	2.0580e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	3.7050e-003	3.9270e-003
tblVehicleEF	LDT2	8.8400e-004	9.4000e-004
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.15	0.21
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.32	1.52
tblVehicleEF	LHD1	3.04	3.38
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.63	1.86
tblVehicleEF	LHD1	1.10	1.16
tblVehicleEF	LHD1	9.0900e-004	8.8700e-004
tblVehicleEF	LHD1	9.9640e-003	9.8490e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0890e-003	1.2250e-003
tblVehicleEF	LHD1	8.7000e-004	8.4800e-004
tblVehicleEF	LHD1	2.4910e-003	2.4620e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0020e-003	1.1290e-003
tblVehicleEF	LHD1	2.5080e-003	2.5790e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3230e-003	1.3140e-003
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.32	0.32
tblVehicleEF	LHD1	0.31	0.35
tblVehicleEF	LHD1	6.9910e-003	7.1590e-003
tblVehicleEF	LHD1	3.9200e-004	4.1300e-004
tblVehicleEF	LHD1	2.5080e-003	2.5790e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3230e-003	1.3140e-003
tblVehicleEF	LHD1	0.18	0.19
tblVehicleEF	LHD1	0.32	0.32

First Street Green Project - Bay Area AQMD Air District, Winter

tbVehicleEF	LHD1	0.34	0.38
tbVehicleEF	LHD1	6.0100e-003	6.3730e-003
tbVehicleEF	LHD1	0.02	0.03
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	0.15	0.16
tbVehicleEF	LHD1	1.35	1.55
tbVehicleEF	LHD1	2.79	3.11
tbVehicleEF	LHD1	9.07	9.07
tbVehicleEF	LHD1	711.01	726.98
tbVehicleEF	LHD1	33.48	34.88
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	0.08	0.08
tbVehicleEF	LHD1	1.56	1.77
tbVehicleEF	LHD1	1.02	1.08
tbVehicleEF	LHD1	9.0900e-004	8.8700e-004
tbVehicleEF	LHD1	9.9640e-003	9.8490e-003
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	1.0890e-003	1.2250e-003
tbVehicleEF	LHD1	8.7000e-004	8.4800e-004
tbVehicleEF	LHD1	2.4910e-003	2.4620e-003
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	1.0020e-003	1.1290e-003
tbVehicleEF	LHD1	6.0230e-003	6.2790e-003
tbVehicleEF	LHD1	0.12	0.12
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	2.8770e-003	2.9320e-003
tbVehicleEF	LHD1	0.14	0.15

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD1	6.9910e-003	7.1590e-003
tblVehicleEF	LHD1	3.8800e-004	4.0800e-004
tblVehicleEF	LHD1	6.0230e-003	6.2790e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8770e-003	2.9320e-003
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.36
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.30	1.49
tblVehicleEF	LHD1	3.27	3.65
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.67	1.90
tblVehicleEF	LHD1	1.17	1.23
tblVehicleEF	LHD1	9.0900e-004	8.8700e-004
tblVehicleEF	LHD1	9.9640e-003	9.8490e-003
tblVehicleEF	LHD1	0.02	0.02



## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LHD1	1.0890e-003	1.2250e-003
tblVehicleEF	LHD1	8.7000e-004	8.4800e-004
tblVehicleEF	LHD1	2.4910e-003	2.4620e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0020e-003	1.1290e-003
tblVehicleEF	LHD1	1.0710e-003	1.0660e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1100e-004	5.9300e-004
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.33	0.37
tblVehicleEF	LHD1	6.9900e-003	7.1580e-003
tblVehicleEF	LHD1	3.9600e-004	4.1800e-004
tblVehicleEF	LHD1	1.0710e-003	1.0660e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	6.1100e-004	5.9300e-004
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.36	0.40
tblVehicleEF	LHD2	4.0830e-003	4.4560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.70	0.85
tblVehicleEF	LHD2	1.49	1.80

First Street Green Project - Bay Area AQMD Air District, Winter

tbVehicleEF	LHD2	14.11	14.16
tbVehicleEF	LHD2	731.41	751.30
tbVehicleEF	LHD2	25.96	27.34
tbVehicleEF	LHD2	5.3710e-003	5.3750e-003
tbVehicleEF	LHD2	0.11	0.12
tbVehicleEF	LHD2	1.17	1.53
tbVehicleEF	LHD2	0.58	0.67
tbVehicleEF	LHD2	1.3080e-003	1.3130e-003
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	4.9000e-004	5.8700e-004
tbVehicleEF	LHD2	1.2510e-003	1.2560e-003
tbVehicleEF	LHD2	2.6710e-003	2.6550e-003
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	4.5100e-004	5.4100e-004
tbVehicleEF	LHD2	9.6300e-004	1.1660e-003
tbVehicleEF	LHD2	0.04	0.05
tbVehicleEF	LHD2	0.01	0.02
tbVehicleEF	LHD2	5.2500e-004	6.0200e-004
tbVehicleEF	LHD2	0.12	0.13
tbVehicleEF	LHD2	0.10	0.12
tbVehicleEF	LHD2	0.14	0.17
tbVehicleEF	LHD2	1.3800e-004	1.3900e-004
tbVehicleEF	LHD2	7.1210e-003	7.3210e-003
tbVehicleEF	LHD2	2.8700e-004	3.0700e-004
tbVehicleEF	LHD2	9.6300e-004	1.1660e-003
tbVehicleEF	LHD2	0.04	0.05

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	5.2500e-004	6.0200e-004
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.15	0.19
tblVehicleEF	LHD2	4.0830e-003	4.4560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4580e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.71	0.86
tblVehicleEF	LHD2	1.37	1.66
tblVehicleEF	LHD2	14.11	14.16
tblVehicleEF	LHD2	731.41	751.30
tblVehicleEF	LHD2	25.96	27.34
tblVehicleEF	LHD2	5.3710e-003	5.3750e-003
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	1.13	1.47
tblVehicleEF	LHD2	0.54	0.62
tblVehicleEF	LHD2	1.3080e-003	1.3130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.9000e-004	5.8700e-004
tblVehicleEF	LHD2	1.2510e-003	1.2560e-003
tblVehicleEF	LHD2	2.6710e-003	2.6550e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.5100e-004	5.4100e-004
tblVehicleEF	LHD2	2.3000e-003	2.8300e-003

First Street Green Project - Bay Area AQMD Air District, Winter

tbVehicleEF	LHD2	0.05	0.06
tbVehicleEF	LHD2	0.01	0.02
tbVehicleEF	LHD2	1.1340e-003	1.3360e-003
tbVehicleEF	LHD2	0.12	0.13
tbVehicleEF	LHD2	0.09	0.12
tbVehicleEF	LHD2	0.13	0.16
tbVehicleEF	LHD2	1.3800e-004	1.3900e-004
tbVehicleEF	LHD2	7.1210e-003	7.3210e-003
tbVehicleEF	LHD2	2.8500e-004	3.0400e-004
tbVehicleEF	LHD2	2.3000e-003	2.8300e-003
tbVehicleEF	LHD2	0.05	0.06
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	1.1340e-003	1.3360e-003
tbVehicleEF	LHD2	0.14	0.16
tbVehicleEF	LHD2	0.09	0.12
tbVehicleEF	LHD2	0.14	0.18
tbVehicleEF	LHD2	4.0830e-003	4.4560e-003
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	0.13	0.13
tbVehicleEF	LHD2	0.69	0.84
tbVehicleEF	LHD2	1.59	1.93
tbVehicleEF	LHD2	14.11	14.16
tbVehicleEF	LHD2	731.41	751.30
tbVehicleEF	LHD2	25.96	27.34
tbVehicleEF	LHD2	5.3710e-003	5.3750e-003
tbVehicleEF	LHD2	0.11	0.12

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	LHD2	1.20	1.56
tblVehicleEF	LHD2	0.62	0.71
tblVehicleEF	LHD2	1.3080e-003	1.3130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.9000e-004	5.8700e-004
tblVehicleEF	LHD2	1.2510e-003	1.2560e-003
tblVehicleEF	LHD2	2.6710e-003	2.6550e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.5100e-004	5.4100e-004
tblVehicleEF	LHD2	4.2900e-004	4.9800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.11	0.13
tblVehicleEF	LHD2	0.14	0.18
tblVehicleEF	LHD2	1.3800e-004	1.3900e-004
tblVehicleEF	LHD2	7.1200e-003	7.3210e-003
tblVehicleEF	LHD2	2.8900e-004	3.0900e-004
tblVehicleEF	LHD2	4.2900e-004	4.9800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.11	0.13
tblVehicleEF	LHD2	0.16	0.20

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	MCY	0.45	0.44
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	20.92	22.11
tblVehicleEF	MCY	10.18	10.14
tblVehicleEF	MCY	172.27	170.79
tblVehicleEF	MCY	46.79	47.74
tblVehicleEF	MCY	5.9420e-003	6.0050e-003
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	2.0050e-003	1.9200e-003
tblVehicleEF	MCY	4.4220e-003	4.8160e-003
tblVehicleEF	MCY	1.8800e-003	1.8050e-003
tblVehicleEF	MCY	4.1820e-003	4.5650e-003
tblVehicleEF	MCY	0.83	0.84
tblVehicleEF	MCY	0.77	0.80
tblVehicleEF	MCY	0.49	0.50
tblVehicleEF	MCY	2.38	2.46
tblVehicleEF	MCY	0.67	0.72
tblVehicleEF	MCY	2.29	2.34
tblVehicleEF	MCY	2.1330e-003	2.1390e-003
tblVehicleEF	MCY	7.0200e-004	7.1200e-004
tblVehicleEF	MCY	0.83	0.84
tblVehicleEF	MCY	0.77	0.80
tblVehicleEF	MCY	0.49	0.50
tblVehicleEF	MCY	2.91	2.98
tblVehicleEF	MCY	0.67	0.72
tblVehicleEF	MCY	2.49	2.54

First Street Green Project - Bay Area AQMD Air District, Winter

tbVehicleEF	MCY	0.43	0.42
tbVehicleEF	MCY	0.14	0.14
tbVehicleEF	MCY	19.84	20.90
tbVehicleEF	MCY	8.91	8.92
tbVehicleEF	MCY	172.27	170.79
tbVehicleEF	MCY	46.79	47.74
tbVehicleEF	MCY	5.9420e-003	6.0050e-003
tbVehicleEF	MCY	1.03	1.03
tbVehicleEF	MCY	0.29	0.29
tbVehicleEF	MCY	2.0050e-003	1.9200e-003
tbVehicleEF	MCY	4.4220e-003	4.8160e-003
tbVehicleEF	MCY	1.8800e-003	1.8050e-003
tbVehicleEF	MCY	4.1820e-003	4.5650e-003
tbVehicleEF	MCY	2.31	2.33
tbVehicleEF	MCY	0.98	1.01
tbVehicleEF	MCY	1.41	1.43
tbVehicleEF	MCY	2.27	2.33
tbVehicleEF	MCY	0.63	0.67
tbVehicleEF	MCY	1.89	1.92
tbVehicleEF	MCY	2.1130e-003	2.1160e-003
tbVehicleEF	MCY	6.6900e-004	6.7900e-004
tbVehicleEF	MCY	2.31	2.33
tbVehicleEF	MCY	0.98	1.01
tbVehicleEF	MCY	1.41	1.43
tbVehicleEF	MCY	2.79	2.84
tbVehicleEF	MCY	0.63	0.67
tbVehicleEF	MCY	2.06	2.09

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	MCY	0.47	0.46
tblVehicleEF	MCY	0.20	0.20
tblVehicleEF	MCY	22.72	24.09
tblVehicleEF	MCY	11.58	11.52
tblVehicleEF	MCY	172.27	170.79
tblVehicleEF	MCY	46.79	47.74
tblVehicleEF	MCY	5.9420e-003	6.0050e-003
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	2.0050e-003	1.9200e-003
tblVehicleEF	MCY	4.4220e-003	4.8160e-003
tblVehicleEF	MCY	1.8800e-003	1.8050e-003
tblVehicleEF	MCY	4.1820e-003	4.5650e-003
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.93	0.97
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	2.49	2.58
tblVehicleEF	MCY	0.79	0.84
tblVehicleEF	MCY	2.67	2.73
tblVehicleEF	MCY	2.1650e-003	2.1750e-003
tblVehicleEF	MCY	7.3600e-004	7.4700e-004
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.93	0.97
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	3.05	3.13
tblVehicleEF	MCY	0.79	0.84
tblVehicleEF	MCY	2.90	2.97



## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	1.37	1.60
tblVehicleEF	MDV	3.60	4.26
tblVehicleEF	MDV	495.13	519.40
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.33	0.40
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.28	0.35
tblVehicleEF	MDV	4.9610e-003	5.2080e-003
tblVehicleEF	MDV	1.1680e-003	1.2260e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.31	0.38

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.58	1.84
tblVehicleEF	MDV	2.82	3.35
tblVehicleEF	MDV	532.29	558.48
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.16	0.19
tblVehicleEF	MDV	0.29	0.35
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.23	0.28
tblVehicleEF	MDV	5.3360e-003	5.6020e-003
tblVehicleEF	MDV	1.1540e-003	1.2090e-003
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.25	0.31

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	1.38	1.61
tblVehicleEF	MDV	4.21	4.99
tblVehicleEF	MDV	490.55	514.56
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.19	0.24
tblVehicleEF	MDV	0.35	0.44
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.32	0.39
tblVehicleEF	MDV	4.9160e-003	5.1600e-003
tblVehicleEF	MDV	1.1790e-003	1.2390e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.35	0.43

First Street Green Project - Bay Area AQMD Air District, Winter

0.06	0.04	MH	0.06
0.04	0.03	MH	0.04
5.27	3.51	MH	5.27
8.77	7.25	MH	8.77
1,241.02	1,228.67	MH	1,241.02
67.17	61.77	MH	67.17
8.6400e-004	8.1200e-004	MH	8.6400e-004
1.82	1.60	MH	1.82
1.05	0.96	MH	1.05
0.01	0.01	MH	0.01
0.03	0.03	MH	0.03
2.2990e-003	1.5510e-003	MH	2.2990e-003
3.2090e-003	3.2150e-003	MH	3.2090e-003
0.03	0.03	MH	0.03
2.1450e-003	1.4350e-003	MH	2.1450e-003
1.10	0.94	MH	1.10
0.10	0.09	MH	0.10
0.39	0.34	MH	0.39
0.21	0.15	MH	0.21
0.03	0.02	MH	0.03
0.57	0.44	MH	0.57
0.01	0.01	MH	0.01
8.2700e-004	7.4500e-004	MH	8.2700e-004
1.10	0.94	MH	1.10
0.10	0.09	MH	0.10
0.39	0.34	MH	0.39
0.28	0.20	MH	0.28

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.48	0.63
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	3.63	5.32
tblVehicleEF	MH	6.56	8.00
tblVehicleEF	MH	1,228.67	1,241.02
tblVehicleEF	MH	61.77	67.17
tblVehicleEF	MH	8.1200e-004	8.6400e-004
tblVehicleEF	MH	1.50	1.70
tblVehicleEF	MH	0.89	0.97
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5510e-003	2.2990e-003
tblVehicleEF	MH	3.2150e-003	3.2090e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4350e-003	2.1450e-003
tblVehicleEF	MH	2.28	2.70
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.76	0.90
tblVehicleEF	MH	0.15	0.21
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.40	0.53
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.3300e-004	8.1300e-004
tblVehicleEF	MH	2.28	2.70
tblVehicleEF	MH	0.09	0.11

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	MH	0.76	0.90
tblVehicleEF	MH	0.21	0.28
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.44	0.58
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.03	0.05
tblVehicleEF	MH	3.46	5.35
tblVehicleEF	MH	7.91	9.58
tblVehicleEF	MH	1,228.67	1,241.02
tblVehicleEF	MH	61.77	67.17
tblVehicleEF	MH	8.1200e-004	8.6400e-004
tblVehicleEF	MH	1.66	1.89
tblVehicleEF	MH	1.02	1.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5510e-003	2.2990e-003
tblVehicleEF	MH	3.2150e-003	3.2090e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4350e-003	2.1450e-003
tblVehicleEF	MH	0.37	0.42
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.15	0.17
tblVehicleEF	MH	0.15	0.21
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.46	0.61
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.5600e-004	8.4100e-004

First Street Green Project - Bay Area AQMD Air District, Winter

0.42	0.37	MH	tbVehicleEF
0.12	0.10	MH	tbVehicleEF
0.17	0.15	MH	tbVehicleEF
0.28	0.20	MH	tbVehicleEF
0.03	0.02	MH	tbVehicleEF
0.67	0.51	MH	tbVehicleEF
0.02	0.02	MHD	tbVehicleEF
0.02	9.9170e-003	MHD	tbVehicleEF
0.08	0.06	MHD	tbVehicleEF
0.52	0.44	MHD	tbVehicleEF
1.02	0.64	MHD	tbVehicleEF
9.11	7.43	MHD	tbVehicleEF
151.94	151.53	MHD	tbVehicleEF
1,218.04	1,207.41	MHD	tbVehicleEF
59.83	57.19	MHD	tbVehicleEF
0.02	0.02	MHD	tbVehicleEF
1.29	0.97	MHD	tbVehicleEF
3.44	2.26	MHD	tbVehicleEF
11.38	11.36	MHD	tbVehicleEF
5.8480e-003	3.0950e-003	MHD	tbVehicleEF
0.09	0.05	MHD	tbVehicleEF
1.2660e-003	9.6600e-004	MHD	tbVehicleEF
5.5950e-003	2.9610e-003	MHD	tbVehicleEF
0.09	0.04	MHD	tbVehicleEF
1.1700e-003	8.8900e-004	MHD	tbVehicleEF
1.2470e-003	1.0180e-003	MHD	tbVehicleEF
0.06	0.05	MHD	tbVehicleEF

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	5.3600e-004	6.3100e-004
tblVehicleEF	MHD	0.12	0.23
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.44	0.55
tblVehicleEF	MHD	1.4570e-003	1.4620e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.0200e-004	7.5900e-004
tblVehicleEF	MHD	1.0180e-003	1.2470e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	5.3600e-004	6.3100e-004
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.48	0.61
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.31	0.37
tblVehicleEF	MHD	0.66	1.03
tblVehicleEF	MHD	6.78	8.33
tblVehicleEF	MHD	160.66	161.10
tblVehicleEF	MHD	1,207.41	1,218.04
tblVehicleEF	MHD	57.19	59.83
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.00	1.33
tblVehicleEF	MHD	2.17	3.30



## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	MHD	11.28	11.29
tblVehicleEF	MHD	2.6090e-003	4.9300e-003
tblVehicleEF	MHD	0.05	0.09
tblVehicleEF	MHD	9.6600e-004	1.2660e-003
tblVehicleEF	MHD	2.4960e-003	4.7170e-003
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	8.8900e-004	1.1700e-003
tblVehicleEF	MHD	2.5140e-003	3.1420e-003
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.2420e-003	1.5180e-003
tblVehicleEF	MHD	0.12	0.23
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.41	0.51
tblVehicleEF	MHD	1.5430e-003	1.5480e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.9100e-004	7.4500e-004
tblVehicleEF	MHD	2.5140e-003	3.1420e-003
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	1.2420e-003	1.5180e-003
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.45	0.56
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.7820e-003	0.02
tblVehicleEF	MHD	0.07	0.08

First Street Green Project - Bay Area AQMD Air District, Winter

tbVehicleEF	MHD	0.58	0.69
tbVehicleEF	MHD	0.64	1.01
tbVehicleEF	MHD	8.00	9.82
tbVehicleEF	MHD	139.26	139.65
tbVehicleEF	MHD	1,207.41	1,218.04
tbVehicleEF	MHD	57.19	59.83
tbVehicleEF	MHD	0.02	0.02
tbVehicleEF	MHD	0.92	1.23
tbVehicleEF	MHD	2.30	3.50
tbVehicleEF	MHD	11.42	11.45
tbVehicleEF	MHD	3.7660e-003	7.1160e-003
tbVehicleEF	MHD	0.05	0.09
tbVehicleEF	MHD	9.6600e-004	1.2660e-003
tbVehicleEF	MHD	3.6030e-003	6.8090e-003
tbVehicleEF	MHD	0.04	0.09
tbVehicleEF	MHD	8.8900e-004	1.1700e-003
tbVehicleEF	MHD	4.2600e-004	4.9700e-004
tbVehicleEF	MHD	0.05	0.07
tbVehicleEF	MHD	0.04	0.04
tbVehicleEF	MHD	2.3400e-004	2.6300e-004
tbVehicleEF	MHD	0.12	0.23
tbVehicleEF	MHD	0.03	0.03
tbVehicleEF	MHD	0.47	0.58
tbVehicleEF	MHD	1.3420e-003	1.3460e-003
tbVehicleEF	MHD	0.01	0.01
tbVehicleEF	MHD	7.1200e-004	7.7100e-004
tbVehicleEF	MHD	4.2600e-004	4.9700e-004

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	2.3400e-004	2.6300e-004
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.51	0.64
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.29	0.30
tblVehicleEF	OBUS	0.74	0.96
tblVehicleEF	OBUS	6.29	7.17
tblVehicleEF	OBUS	126.46	123.21
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.78	0.86
tblVehicleEF	OBUS	2.45	2.87
tblVehicleEF	OBUS	3.35	3.40
tblVehicleEF	OBUS	3.6800e-004	5.0900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	3.5200e-004	4.8700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	1.1640e-003	1.2340e-003
tblVehicleEF	OBUS	0.02	0.02

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.3400e-004	5.4900e-004
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.39	0.45
tblVehicleEF	OBUS	1.2180e-003	1.1870e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	8.0900e-004
tblVehicleEF	OBUS	1.1640e-003	1.2340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	5.3400e-004	5.4900e-004
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.43	0.49
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.28
tblVehicleEF	OBUS	0.76	0.98
tblVehicleEF	OBUS	5.72	6.52
tblVehicleEF	OBUS	133.00	129.55
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.81	0.89
tblVehicleEF	OBUS	2.34	2.74

First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	OBUS	3.28	3.31
tblVehicleEF	OBUS	3.1000e-004	4.2900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	2.9600e-004	4.1100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	2.7110e-003	2.9100e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.1710e-003	1.2360e-003
tblVehicleEF	OBUS	0.09	0.11
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.37	0.42
tblVehicleEF	OBUS	1.2810e-003	1.2480e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6700e-004	7.9800e-004
tblVehicleEF	OBUS	2.7110e-003	2.9100e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.1710e-003	1.2360e-003
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.40	0.46
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.04

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	OBUS	0.32	0.33
tblVehicleEF	OBUS	0.73	0.94
tblVehicleEF	OBUS	6.77	7.73
tblVehicleEF	OBUS	117.42	114.46
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.75	0.82
tblVehicleEF	OBUS	2.49	2.92
tblVehicleEF	OBUS	3.42	3.47
tblVehicleEF	OBUS	4.4700e-004	6.1900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	4.2800e-004	5.9300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	5.7700e-004	5.9100e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.5700e-004	2.5900e-004
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.41	0.48
tblVehicleEF	OBUS	1.1320e-003	1.1040e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	8.1800e-004
tblVehicleEF	OBUS	5.7700e-004	5.9100e-004

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	2.5700e-004	2.5900e-004
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.45	0.52
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	5.40	5.13
tblVehicleEF	SBUS	0.87	1.03
tblVehicleEF	SBUS	6.36	6.69
tblVehicleEF	SBUS	1,288.91	1,314.86
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14
tblVehicleEF	SBUS	8.7700e-004	8.6800e-004
tblVehicleEF	SBUS	13.15	14.73
tblVehicleEF	SBUS	5.51	6.39
tblVehicleEF	SBUS	15.68	16.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.6500e-004	5.8000e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	2.7770e-003	2.7940e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.1900e-004	5.3300e-004

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	SBUS	1.9710e-003	2.3990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.65	0.62
tblVehicleEF	SBUS	8.0700e-004	8.9200e-004
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.32	0.33
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4600e-004	4.2700e-004
tblVehicleEF	SBUS	1.9710e-003	2.3990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.93	0.88
tblVehicleEF	SBUS	8.0700e-004	8.9200e-004
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.34	0.37
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.07	0.08
tblVehicleEF	SBUS	5.24	4.94
tblVehicleEF	SBUS	0.89	1.05
tblVehicleEF	SBUS	4.66	4.91
tblVehicleEF	SBUS	1,355.64	1,383.85
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14
tblVehicleEF	SBUS	8.7700e-004	8.6800e-004



## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	SBUS	13.58	15.20
tblVehicleEF	SBUS	5.29	6.13
tblVehicleEF	SBUS	15.64	16.13
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.6500e-004	5.8000e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	2.7770e-003	2.7940e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.1900e-004	5.3300e-004
tblVehicleEF	SBUS	4.5750e-003	5.6890e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.65	0.62
tblVehicleEF	SBUS	1.7980e-003	2.0490e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	9.4490e-003	0.01
tblVehicleEF	SBUS	0.26	0.28
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.1700e-004	3.9700e-004
tblVehicleEF	SBUS	4.5750e-003	5.6890e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.93	0.88
tblVehicleEF	SBUS	1.7980e-003	2.0490e-003
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	9.4490e-003	0.01

First Street Green Project - Bay Area AQMD Air District, Winter

0.31	0.29	SBUS	tbVehicleEF
0.90	0.89	SBUS	tbVehicleEF
0.02	0.01	SBUS	tbVehicleEF
0.11	0.10	SBUS	tbVehicleEF
5.39	5.63	SBUS	tbVehicleEF
1.01	0.85	SBUS	tbVehicleEF
8.37	7.95	SBUS	tbVehicleEF
1,219.58	1,196.76	SBUS	tbVehicleEF
1,172.94	1,154.61	SBUS	tbVehicleEF
31.14	33.60	SBUS	tbVehicleEF
8.6800e-004	8.7700e-004	SBUS	tbVehicleEF
14.07	12.57	SBUS	tbVehicleEF
6.50	5.61	SBUS	tbVehicleEF
16.20	15.71	SBUS	tbVehicleEF
0.02	0.02	SBUS	tbVehicleEF
0.02	0.02	SBUS	tbVehicleEF
5.8000e-004	5.6500e-004	SBUS	tbVehicleEF
0.04	0.03	SBUS	tbVehicleEF
2.7940e-003	2.7770e-003	SBUS	tbVehicleEF
0.04	0.03	SBUS	tbVehicleEF
5.3300e-004	5.1900e-004	SBUS	tbVehicleEF
1.0470e-003	9.4300e-004	SBUS	tbVehicleEF
0.03	0.02	SBUS	tbVehicleEF
0.63	0.66	SBUS	tbVehicleEF
4.1400e-004	3.9300e-004	SBUS	tbVehicleEF
0.14	0.13	SBUS	tbVehicleEF

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.36	0.38
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.7200e-004	4.5500e-004
tblVehicleEF	SBUS	9.4300e-004	1.0470e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.94	0.89
tblVehicleEF	SBUS	3.9300e-004	4.1400e-004
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.39	0.42
tblVehicleEF	UBUS	0.30	0.31
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.15	7.47
tblVehicleEF	UBUS	8.31	8.36
tblVehicleEF	UBUS	2,178.97	2,231.08
tblVehicleEF	UBUS	85.39	77.02
tblVehicleEF	UBUS	2.4420e-003	2.6830e-003
tblVehicleEF	UBUS	13.34	15.45
tblVehicleEF	UBUS	16.06	16.71
tblVehicleEF	UBUS	0.64	0.67
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	8.6900e-004	9.7900e-004
tblVehicleEF	UBUS	0.28	0.29
tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004

First Street Green Project - Bay Area AQMD Air District, Winter

tbVehicleEF	UBUS	2.6490e-003	2.8250e-003
tbVehicleEF	UBUS	0.06	0.07
tbVehicleEF	UBUS	1.3090e-003	1.3660e-003
tbVehicleEF	UBUS	0.81	0.97
tbVehicleEF	UBUS	0.01	0.01
tbVehicleEF	UBUS	0.61	0.63
tbVehicleEF	UBUS	0.02	0.02
tbVehicleEF	UBUS	1.0030e-003	9.2100e-004
tbVehicleEF	UBUS	2.6490e-003	2.8250e-003
tbVehicleEF	UBUS	0.06	0.07
tbVehicleEF	UBUS	1.3090e-003	1.3660e-003
tbVehicleEF	UBUS	1.18	1.36
tbVehicleEF	UBUS	0.01	0.01
tbVehicleEF	UBUS	0.66	0.69
tbVehicleEF	UBUS	0.30	0.31
tbVehicleEF	UBUS	0.04	0.04
tbVehicleEF	UBUS	6.22	7.46
tbVehicleEF	UBUS	6.51	6.59
tbVehicleEF	UBUS	2,178.97	2,231.08
tbVehicleEF	UBUS	85.39	77.02
tbVehicleEF	UBUS	2.4420e-003	2.6830e-003
tbVehicleEF	UBUS	12.78	14.81
tbVehicleEF	UBUS	15.98	16.64
tbVehicleEF	UBUS	0.64	0.67
tbVehicleEF	UBUS	0.28	0.32
tbVehicleEF	UBUS	8.6900e-004	9.7900e-004
tbVehicleEF	UBUS	0.28	0.29

## First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	6.4350e-003	6.9060e-003
tblVehicleEF	UBUS	0.06	0.07
tblVehicleEF	UBUS	2.9500e-003	3.2210e-003
tblVehicleEF	UBUS	0.82	0.98
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.52	0.54
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7200e-004	8.9000e-004
tblVehicleEF	UBUS	6.4350e-003	6.9060e-003
tblVehicleEF	UBUS	0.06	0.07
tblVehicleEF	UBUS	2.9500e-003	3.2210e-003
tblVehicleEF	UBUS	1.20	1.38
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.57	0.59
tblVehicleEF	UBUS	0.30	0.30
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.10	7.50
tblVehicleEF	UBUS	9.94	9.97
tblVehicleEF	UBUS	2,178.97	2,231.08
tblVehicleEF	UBUS	85.39	77.02
tblVehicleEF	UBUS	2.4420e-003	2.6830e-003
tblVehicleEF	UBUS	13.55	15.70
tblVehicleEF	UBUS	16.12	16.77
tblVehicleEF	UBUS	0.64	0.67
tblVehicleEF	UBUS	0.28	0.32

First Street Green Project - Bay Area AQMD Air District, Winter

tblVehicleEF	UBUS	8.6900e-004	9.7900e-004
tblVehicleEF	UBUS	0.28	0.29
tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	1.1230e-003	1.1820e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	5.5800e-004	5.3600e-004
tblVehicleEF	UBUS	0.81	0.97
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.0310e-003	9.4900e-004
tblVehicleEF	UBUS	1.1230e-003	1.1820e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	5.5800e-004	5.3600e-004
tblVehicleEF	UBUS	1.17	1.36
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.74	0.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	20.84
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	10.86
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	14.69

First Street Green Project - Bay Area AQMD Air District, Winter

**2.0 Emissions Summary**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	3.8256	106.9664	25.2295	0.2430	5.4543	0.9545	6.3932	1.4446	0.8973	2.3224	0.0000	25,847.3379	25,847.3379	1.7353	0.0000	25,890.7205
2019	21.6600	21.9182	14.3005	0.0274	0.4736	1.2224	1.3456	0.1285	1.1254	1.1581	0.0000	2,632.2653	2,632.2653	0.6905	0.0000	2,641.7223
<b>Maximum</b>	<b>21.6600</b>	<b>106.9664</b>	<b>25.2295</b>	<b>0.2430</b>	<b>5.4543</b>	<b>1.2224</b>	<b>6.3932</b>	<b>1.4446</b>	<b>1.1254</b>	<b>2.3224</b>	<b>0.0000</b>	<b>25,847.3379</b>	<b>25,847.3379</b>	<b>1.7353</b>	<b>0.0000</b>	<b>25,890.7205</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	3.0690	98.6621	26.8399	0.2430	5.2529	0.5091	5.7620	1.4166	0.4926	1.9092	0.0000	25,847.3379	25,847.3379	1.7353	0.0000	25,890.7205
2019	21.3840	16.3106	14.7878	0.0274	0.4736	0.7966	0.9198	0.1285	0.7500	0.7827	0.0000	2,632.2653	2,632.2653	0.6905	0.0000	2,641.7223
<b>Maximum</b>	<b>21.3840</b>	<b>98.6621</b>	<b>26.8399</b>	<b>0.2430</b>	<b>5.2529</b>	<b>0.7966</b>	<b>5.7620</b>	<b>1.4166</b>	<b>0.7500</b>	<b>1.9092</b>	<b>0.0000</b>	<b>25,847.3379</b>	<b>25,847.3379</b>	<b>1.7353</b>	<b>0.0000</b>	<b>25,890.7205</b>

## First Street Green Project - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	4.05	10.79	-5.31	0.00	3.40	40.02	13.66	1.78	38.57	22.66	0.00	0.00	0.00	0.00	0.00	0.00



First Street Green Project - Bay Area AQMD Air District, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.9733	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227
Energy	0.0448	0.4072	0.3420	2.4400e-003		0.0309	0.0309		0.0309	0.0309		488.5908	488.5908	9.3600e-003	8.9600e-003	491.4942
Mobile	3.2421	15.5103	39.1030	0.1039	8.4672	0.1420	8.6092	2.2660	0.1341	2.4000		10,475.5375	10,475.5375	0.4694		10,487.2717
<b>Total</b>	<b>5.2602</b>	<b>15.9175</b>	<b>39.4550</b>	<b>0.1064</b>	<b>8.4672</b>	<b>0.1730</b>	<b>8.6401</b>	<b>2.2660</b>	<b>0.1650</b>	<b>2.4310</b>		<b>10,964.1495</b>	<b>10,964.1495</b>	<b>0.4788</b>	<b>8.9600e-003</b>	<b>10,978.7886</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.9733	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227
Energy	0.0428	0.3888	0.3266	2.3300e-003		0.0296	0.0296		0.0296	0.0296		466.5201	466.5201	8.9400e-003	8.5500e-003	469.2924
Mobile	3.2421	15.5103	39.1030	0.1039	8.4672	0.1420	8.6092	2.2660	0.1341	2.4000		10,475.5375	10,475.5375	0.4694		10,487.2717
<b>Total</b>	<b>5.2582</b>	<b>15.8991</b>	<b>39.4395</b>	<b>0.1063</b>	<b>8.4672</b>	<b>0.1716</b>	<b>8.6387</b>	<b>2.2660</b>	<b>0.1636</b>	<b>2.4296</b>		<b>10,942.0789</b>	<b>10,942.0789</b>	<b>0.4784</b>	<b>8.5500e-003</b>	<b>10,956.5868</b>

## First Street Green Project - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.04	0.12	0.04	0.10	0.00	0.80	0.02	0.00	0.84	0.06	0.00	0.20	0.20	0.09	4.58	0.20

### 3.0 Construction Detail

---

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	2/23/2018	5	40	
2	Site Preparation	Site Preparation	2/24/2018	3/23/2018	5	20	
3	Grading	Grading	3/24/2018	5/4/2018	5	30	
4	Building Construction	Building Construction	5/5/2018	6/28/2019	5	300	
5	Site Utilities	Trenching	6/29/2019	9/6/2019	5	50	
6	Paving	Paving	9/7/2019	11/1/2019	5	40	
7	Architectural Coating	Architectural Coating	11/2/2019	12/27/2019	5	40	

**Acres of Grading (Site Preparation Phase): 4.5**

**Acres of Grading (Grading Phase): 3**

**Acres of Paving: 0.36**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 121,440; Non-Residential Outdoor: 40,480; Striped Parking Area: 948 (Architectural Coating – sqft)**

#### OffRoad Equipment

## First Street Green Project - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48
Site Utilities	Excavators	1	8.00	158	0.38
Site Utilities	Plate Compactors	1	8.00	8	0.43
Site Utilities	Rollers	1	8.00	80	0.38
Site Utilities	Rubber Tired Dozers	1	8.00	247	0.40
Site Utilities	Sweepers/Scrubbers	1	8.00	64	0.46
Site Utilities	Tractors/Loaders/Backhoes	1	8.00	97	0.37

First Street Green Project - Bay Area AQMD Air District, Winter

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	96.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	8,625.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	42.00	19.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

First Street Green Project - Bay Area AQMD Air District, Winter

**3.2 Demolition - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5221	0.0000	0.5221	0.0791	0.0000	0.0791			0.0000			0.0000
Off-Road	1.3177	11.8041	10.7343	0.0156		0.8259	0.8259		0.7812	0.7812		1,530.9925	1,530.9925	0.3380		1,539.4425
<b>Total</b>	<b>1.3177</b>	<b>11.8041</b>	<b>10.7343</b>	<b>0.0156</b>	<b>0.5221</b>	<b>0.8259</b>	<b>1.3480</b>	<b>0.0791</b>	<b>0.7812</b>	<b>0.8602</b>		<b>1,530.9925</b>	<b>1,530.9925</b>	<b>0.3380</b>		<b>1,539.4425</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0234	0.7948	0.1584	1.9200e-003	0.0419	3.1800e-003	0.0451	0.0115	3.0400e-003	0.0145		205.0699	205.0699	0.0113		205.3525
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0446	0.0336	0.3184	8.1000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		80.4787	80.4787	2.4100e-003		80.5390
<b>Total</b>	<b>0.0680</b>	<b>0.8284</b>	<b>0.4768</b>	<b>2.7300e-003</b>	<b>0.1241</b>	<b>3.7300e-003</b>	<b>0.1278</b>	<b>0.0333</b>	<b>3.5500e-003</b>	<b>0.0368</b>		<b>285.5485</b>	<b>285.5485</b>	<b>0.0137</b>		<b>285.8915</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.2 Demolition - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2350	0.0000	0.2350	0.0356	0.0000	0.0356			0.0000			0.0000
Off-Road	0.2287	2.7255	10.8848	0.0156		0.0235	0.0235		0.0235	0.0235	0.0000	1,530.9925	1,530.9925	0.3380		1,539.4425
<b>Total</b>	<b>0.2287</b>	<b>2.7255</b>	<b>10.8848</b>	<b>0.0156</b>	<b>0.2350</b>	<b>0.0235</b>	<b>0.2585</b>	<b>0.0356</b>	<b>0.0235</b>	<b>0.0591</b>	<b>0.0000</b>	<b>1,530.9925</b>	<b>1,530.9925</b>	<b>0.3380</b>		<b>1,539.4425</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0234	0.7948	0.1584	1.9200e-003	0.0419	3.1800e-003	0.0451	0.0115	3.0400e-003	0.0145		205.0699	205.0699	0.0113		205.3525
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0446	0.0336	0.3184	8.1000e-004	0.0822	5.5000e-004	0.0827	0.0218	5.1000e-004	0.0223		80.4787	80.4787	2.4100e-003		80.5390
<b>Total</b>	<b>0.0680</b>	<b>0.8284</b>	<b>0.4768</b>	<b>2.7300e-003</b>	<b>0.1241</b>	<b>3.7300e-003</b>	<b>0.1278</b>	<b>0.0333</b>	<b>3.5500e-003</b>	<b>0.0368</b>		<b>285.5485</b>	<b>285.5485</b>	<b>0.0137</b>		<b>285.8915</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.3 Site Preparation - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.8995	23.6201	12.7461	0.0245		0.9540	0.9540		0.8777	0.8777		2,468.413 1	2,468.413 1	0.7685		2,487.624 4
<b>Total</b>	<b>1.8995</b>	<b>23.6201</b>	<b>12.7461</b>	<b>0.0245</b>	<b>0.2386</b>	<b>0.9540</b>	<b>1.1926</b>	<b>0.0258</b>	<b>0.8777</b>	<b>0.9034</b>		<b>2,468.413 1</b>	<b>2,468.413 1</b>	<b>0.7685</b>		<b>2,487.624 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0357	0.0269	0.2547	6.5000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.1000e-004	0.0178		64.3829	64.3829	1.9300e-003		64.4312
<b>Total</b>	<b>0.0357</b>	<b>0.0269</b>	<b>0.2547</b>	<b>6.5000e-004</b>	<b>0.0657</b>	<b>4.4000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.1000e-004</b>	<b>0.0178</b>		<b>64.3829</b>	<b>64.3829</b>	<b>1.9300e-003</b>		<b>64.4312</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.3 Site Preparation - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1074	0.0000	0.1074	0.0116	0.0000	0.0116			0.0000			0.0000
Off-Road	0.5683	10.4893	13.6431	0.0245		0.3968	0.3968		0.3968	0.3968	0.0000	2,468.413 1	2,468.413 1	0.7685		2,487.624 4
<b>Total</b>	<b>0.5683</b>	<b>10.4893</b>	<b>13.6431</b>	<b>0.0245</b>	<b>0.1074</b>	<b>0.3968</b>	<b>0.5042</b>	<b>0.0116</b>	<b>0.3968</b>	<b>0.4084</b>	<b>0.0000</b>	<b>2,468.413 1</b>	<b>2,468.413 1</b>	<b>0.7685</b>		<b>2,487.624 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0357	0.0269	0.2547	6.5000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.1000e-004	0.0178		64.3829	64.3829	1.9300e-003		64.4312
<b>Total</b>	<b>0.0357</b>	<b>0.0269</b>	<b>0.2547</b>	<b>6.5000e-004</b>	<b>0.0657</b>	<b>4.4000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.1000e-004</b>	<b>0.0178</b>		<b>64.3829</b>	<b>64.3829</b>	<b>1.9300e-003</b>		<b>64.4312</b>



First Street Green Project - Bay Area AQMD Air District, Winter

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3662	0.0000	0.3662	0.0508	0.0000	0.0508			0.0000			0.0000
Off-Road	0.9854	11.7295	6.0040	0.0121		0.5577	0.5577		0.5131	0.5131		1,217.293 3	1,217.293 3	0.3790		1,226.767 2
<b>Total</b>	<b>0.9854</b>	<b>11.7295</b>	<b>6.0040</b>	<b>0.0121</b>	<b>0.3662</b>	<b>0.5577</b>	<b>0.9239</b>	<b>0.0508</b>	<b>0.5131</b>	<b>0.5640</b>		<b>1,217.293 3</b>	<b>1,217.293 3</b>	<b>0.3790</b>		<b>1,226.767 2</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8046	95.2100	18.9708	0.2303	5.0224	0.3808	5.4032	1.3763	0.3643	1.7406		24,565.66 17	24,565.66 17	1.3544		24,599.52 21
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0357	0.0269	0.2547	6.5000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.1000e-004	0.0178		64.3829	64.3829	1.9300e-003		64.4312
<b>Total</b>	<b>2.8402</b>	<b>95.2369</b>	<b>19.2255</b>	<b>0.2309</b>	<b>5.0881</b>	<b>0.3813</b>	<b>5.4694</b>	<b>1.3937</b>	<b>0.3648</b>	<b>1.7585</b>		<b>24,630.04 46</b>	<b>24,630.04 46</b>	<b>1.3564</b>		<b>24,663.95 33</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1648	0.0000	0.1648	0.0229	0.0000	0.0229			0.0000			0.0000
Off-Road	0.2287	3.4252	7.6144	0.0121		0.1279	0.1279		0.1279	0.1279	0.0000	1,217.293 2	1,217.293 2	0.3790		1,226.767 2
<b>Total</b>	<b>0.2287</b>	<b>3.4252</b>	<b>7.6144</b>	<b>0.0121</b>	<b>0.1648</b>	<b>0.1279</b>	<b>0.2926</b>	<b>0.0229</b>	<b>0.1279</b>	<b>0.1507</b>	<b>0.0000</b>	<b>1,217.293 2</b>	<b>1,217.293 2</b>	<b>0.3790</b>		<b>1,226.767 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.8046	95.2100	18.9708	0.2303	5.0224	0.3808	5.4032	1.3763	0.3643	1.7406		24,565.66 17	24,565.66 17	1.3544		24,599.52 21
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0357	0.0269	0.2547	6.5000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.1000e-004	0.0178		64.3829	64.3829	1.9300e-003		64.4312
<b>Total</b>	<b>2.8402</b>	<b>95.2369</b>	<b>19.2255</b>	<b>0.2309</b>	<b>5.0881</b>	<b>0.3813</b>	<b>5.4694</b>	<b>1.3937</b>	<b>0.3648</b>	<b>1.7585</b>		<b>24,630.04 46</b>	<b>24,630.04 46</b>	<b>1.3564</b>		<b>24,663.95 33</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.5 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1378	15.8726	11.1983	0.0190		0.9100	0.9100		0.8763	0.8763		1,772.3755	1,772.3755	0.3532		1,781.2046
<b>Total</b>	<b>2.1378</b>	<b>15.8726</b>	<b>11.1983</b>	<b>0.0190</b>		<b>0.9100</b>	<b>0.9100</b>		<b>0.8763</b>	<b>0.8763</b>		<b>1,772.3755</b>	<b>1,772.3755</b>	<b>0.3532</b>		<b>1,781.2046</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1028	2.5460	0.7241	5.1800e-003	0.1286	0.0197	0.1483	0.0370	0.0189	0.0559		547.6594	547.6594	0.0335		548.4956
Worker	0.1872	0.1412	1.3373	3.4000e-003	0.3450	2.3300e-003	0.3474	0.0915	2.1500e-003	0.0937		338.0104	338.0104	0.0101		338.2637
<b>Total</b>	<b>0.2900</b>	<b>2.6872</b>	<b>2.0614</b>	<b>8.5800e-003</b>	<b>0.4736</b>	<b>0.0220</b>	<b>0.4957</b>	<b>0.1285</b>	<b>0.0210</b>	<b>0.1495</b>		<b>885.6698</b>	<b>885.6698</b>	<b>0.0436</b>		<b>886.7593</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.5 Building Construction - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	8.0564	11.2835	0.0190		0.1789	0.1789		0.1789	0.1789	0.0000	1,772.3755	1,772.3755	0.3532		1,781.2046
<b>Total</b>	<b>0.3329</b>	<b>8.0564</b>	<b>11.2835</b>	<b>0.0190</b>		<b>0.1789</b>	<b>0.1789</b>		<b>0.1789</b>	<b>0.1789</b>	<b>0.0000</b>	<b>1,772.3755</b>	<b>1,772.3755</b>	<b>0.3532</b>		<b>1,781.2046</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1028	2.5460	0.7241	5.1800e-003	0.1286	0.0197	0.1483	0.0370	0.0189	0.0559		547.6594	547.6594	0.0335		548.4956
Worker	0.1872	0.1412	1.3373	3.4000e-003	0.3450	2.3300e-003	0.3474	0.0915	2.1500e-003	0.0937		338.0104	338.0104	0.0101		338.2637
<b>Total</b>	<b>0.2900</b>	<b>2.6872</b>	<b>2.0614</b>	<b>8.5800e-003</b>	<b>0.4736</b>	<b>0.0220</b>	<b>0.4957</b>	<b>0.1285</b>	<b>0.0210</b>	<b>0.1495</b>		<b>885.6698</b>	<b>885.6698</b>	<b>0.0436</b>		<b>886.7593</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8783	14.4617	10.8247	0.0190		0.7905	0.7905		0.7612	0.7612		1,760.5210	1,760.5210	0.3374		1,768.9569
<b>Total</b>	<b>1.8783</b>	<b>14.4617</b>	<b>10.8247</b>	<b>0.0190</b>		<b>0.7905</b>	<b>0.7905</b>		<b>0.7612</b>	<b>0.7612</b>		<b>1,760.5210</b>	<b>1,760.5210</b>	<b>0.3374</b>		<b>1,768.9569</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0924	2.4051	0.6615	5.1400e-003	0.1286	0.0167	0.1453	0.0370	0.0160	0.0530		543.8788	543.8788	0.0319		544.6774
Worker	0.1689	0.1237	1.1825	3.2900e-003	0.3450	2.2800e-003	0.3473	0.0915	2.1100e-003	0.0936		327.8654	327.8654	8.9000e-003		328.0880
<b>Total</b>	<b>0.2612</b>	<b>2.5287</b>	<b>1.8440</b>	<b>8.4300e-003</b>	<b>0.4736</b>	<b>0.0190</b>	<b>0.4926</b>	<b>0.1285</b>	<b>0.0181</b>	<b>0.1466</b>		<b>871.7443</b>	<b>871.7443</b>	<b>0.0408</b>		<b>872.7654</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.5 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3329	8.0564	11.2835	0.0190		0.1789	0.1789		0.1789	0.1789	0.0000	1,760.5210	1,760.5210	0.3374		1,768.9569
<b>Total</b>	<b>0.3329</b>	<b>8.0564</b>	<b>11.2835</b>	<b>0.0190</b>		<b>0.1789</b>	<b>0.1789</b>		<b>0.1789</b>	<b>0.1789</b>	<b>0.0000</b>	<b>1,760.5210</b>	<b>1,760.5210</b>	<b>0.3374</b>		<b>1,768.9569</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0924	2.4051	0.6615	5.1400e-003	0.1286	0.0167	0.1453	0.0370	0.0160	0.0530		543.8788	543.8788	0.0319		544.6774
Worker	0.1689	0.1237	1.1825	3.2900e-003	0.3450	2.2800e-003	0.3473	0.0915	2.1100e-003	0.0936		327.8654	327.8654	8.9000e-003		328.0880
<b>Total</b>	<b>0.2612</b>	<b>2.5287</b>	<b>1.8440</b>	<b>8.4300e-003</b>	<b>0.4736</b>	<b>0.0190</b>	<b>0.4926</b>	<b>0.1285</b>	<b>0.0181</b>	<b>0.1466</b>		<b>871.7443</b>	<b>871.7443</b>	<b>0.0408</b>		<b>872.7654</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.6 Site Utilities - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1616	21.8740	13.8782	0.0223		1.2216	1.2216		1.1246	1.1246		2,195.5938	2,195.5938	0.6873		2,212.7772
<b>Total</b>	<b>2.1616</b>	<b>21.8740</b>	<b>13.8782</b>	<b>0.0223</b>		<b>1.2216</b>	<b>1.2216</b>		<b>1.1246</b>	<b>1.1246</b>		<b>2,195.5938</b>	<b>2,195.5938</b>	<b>0.6873</b>		<b>2,212.7772</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0603	0.0442	0.4223	1.1800e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		117.0948	117.0948	3.1800e-003		117.1743
<b>Total</b>	<b>0.0603</b>	<b>0.0442</b>	<b>0.4223</b>	<b>1.1800e-003</b>	<b>0.1232</b>	<b>8.2000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>117.0948</b>	<b>117.0948</b>	<b>3.1800e-003</b>		<b>117.1743</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.6 Site Utilities - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4048	16.2665	14.3655	0.0223		0.7958	0.7958		0.7492	0.7492	0.0000	2,195.5938	2,195.5938	0.6873		2,212.7772
<b>Total</b>	<b>1.4048</b>	<b>16.2665</b>	<b>14.3655</b>	<b>0.0223</b>		<b>0.7958</b>	<b>0.7958</b>		<b>0.7492</b>	<b>0.7492</b>	<b>0.0000</b>	<b>2,195.5938</b>	<b>2,195.5938</b>	<b>0.6873</b>		<b>2,212.7772</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0603	0.0442	0.4223	1.1800e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334		117.0948	117.0948	3.1800e-003		117.1743
<b>Total</b>	<b>0.0603</b>	<b>0.0442</b>	<b>0.4223</b>	<b>1.1800e-003</b>	<b>0.1232</b>	<b>8.2000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>7.5000e-004</b>	<b>0.0334</b>		<b>117.0948</b>	<b>117.0948</b>	<b>3.1800e-003</b>		<b>117.1743</b>



First Street Green Project - Bay Area AQMD Air District, Winter

**3.7 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1866	12.2003	11.5424	0.0171		0.7157	0.7157		0.6584	0.6584		1,695.7269	1,695.7269	0.5365		1,709.1396
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1866</b>	<b>12.2003</b>	<b>11.5424</b>	<b>0.0171</b>		<b>0.7157</b>	<b>0.7157</b>		<b>0.6584</b>	<b>0.6584</b>		<b>1,695.7269</b>	<b>1,695.7269</b>	<b>0.5365</b>		<b>1,709.1396</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0383	0.3660	1.0200e-003	0.1068	7.1000e-004	0.1075	0.0283	6.5000e-004	0.0290		101.4822	101.4822	2.7600e-003		101.5511
<b>Total</b>	<b>0.0523</b>	<b>0.0383</b>	<b>0.3660</b>	<b>1.0200e-003</b>	<b>0.1068</b>	<b>7.1000e-004</b>	<b>0.1075</b>	<b>0.0283</b>	<b>6.5000e-004</b>	<b>0.0290</b>		<b>101.4822</b>	<b>101.4822</b>	<b>2.7600e-003</b>		<b>101.5511</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.7 Paving - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3837	6.8481	12.9737	0.0171		0.3259	0.3259		0.3259	0.3259	0.0000	1,695.7269	1,695.7269	0.5365		1,709.1396
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.3837</b>	<b>6.8481</b>	<b>12.9737</b>	<b>0.0171</b>		<b>0.3259</b>	<b>0.3259</b>		<b>0.3259</b>	<b>0.3259</b>	<b>0.0000</b>	<b>1,695.7269</b>	<b>1,695.7269</b>	<b>0.5365</b>		<b>1,709.1396</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0383	0.3660	1.0200e-003	0.1068	7.1000e-004	0.1075	0.0283	6.5000e-004	0.0290		101.4822	101.4822	2.7600e-003		101.5511
<b>Total</b>	<b>0.0523</b>	<b>0.0383</b>	<b>0.3660</b>	<b>1.0200e-003</b>	<b>0.1068</b>	<b>7.1000e-004</b>	<b>0.1075</b>	<b>0.0283</b>	<b>6.5000e-004</b>	<b>0.0290</b>		<b>101.4822</b>	<b>101.4822</b>	<b>2.7600e-003</b>		<b>101.5511</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.8 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.2726					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3553	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717		375.2641	375.2641	0.0317		376.0565
<b>Total</b>	<b>21.6278</b>	<b>2.4472</b>	<b>2.4551</b>	<b>3.9600e-003</b>		<b>0.1717</b>	<b>0.1717</b>		<b>0.1717</b>	<b>0.1717</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0317</b>		<b>376.0565</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0322	0.0236	0.2252	6.3000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		62.4506	62.4506	1.7000e-003		62.4930
<b>Total</b>	<b>0.0322</b>	<b>0.0236</b>	<b>0.2252</b>	<b>6.3000e-004</b>	<b>0.0657</b>	<b>4.4000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.0000e-004</b>	<b>0.0178</b>		<b>62.4506</b>	<b>62.4506</b>	<b>1.7000e-003</b>		<b>62.4930</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**3.8 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	21.2726					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0792	1.8093	2.4432	3.9600e-003		0.1268	0.1268		0.1268	0.1268	0.0000	375.2641	375.2641	0.0317		376.0565
<b>Total</b>	<b>21.3518</b>	<b>1.8093</b>	<b>2.4432</b>	<b>3.9600e-003</b>		<b>0.1268</b>	<b>0.1268</b>		<b>0.1268</b>	<b>0.1268</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0317</b>		<b>376.0565</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0322	0.0236	0.2252	6.3000e-004	0.0657	4.4000e-004	0.0662	0.0174	4.0000e-004	0.0178		62.4506	62.4506	1.7000e-003		62.4930
<b>Total</b>	<b>0.0322</b>	<b>0.0236</b>	<b>0.2252</b>	<b>6.3000e-004</b>	<b>0.0657</b>	<b>4.4000e-004</b>	<b>0.0662</b>	<b>0.0174</b>	<b>4.0000e-004</b>	<b>0.0178</b>		<b>62.4506</b>	<b>62.4506</b>	<b>1.7000e-003</b>		<b>62.4930</b>

**4.0 Operational Detail - Mobile**

---

First Street Green Project - Bay Area AQMD Air District, Winter

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2421	15.5103	39.1030	0.1039	8.4672	0.1420	8.6092	2.2660	0.1341	2.4000		10,475.5375	10,475.5375	0.4694		10,487.2717
Unmitigated	3.2421	15.5103	39.1030	0.1039	8.4672	0.1420	8.6092	2.2660	0.1341	2.4000		10,475.5375	10,475.5375	0.4694		10,487.2717

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	1,175.20	1,667.20	868.80	2,871,800	2,871,800
<b>Total</b>	<b>1,175.20</b>	<b>1,667.20</b>	<b>868.80</b>	<b>2,871,800</b>	<b>2,871,800</b>

**4.3 Trip Type Information**

First Street Green Project - Bay Area AQMD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Fast Food Restaurant w/o Drive	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
Enclosed Parking Structure	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
City Park	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
Fast Food Restaurant w/o Drive Thru	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

First Street Green Project - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0428	0.3888	0.3266	2.3300e-003		0.0296	0.0296		0.0296	0.0296		466.5201	466.5201	8.9400e-003	8.5500e-003	469.2924
NaturalGas Unmitigated	0.0448	0.4072	0.3420	2.4400e-003		0.0309	0.0309		0.0309	0.0309		488.5908	488.5908	9.3600e-003	8.9600e-003	491.4942

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	547.542	5.9000e-003	0.0537	0.0451	3.2000e-004		4.0800e-003	4.0800e-003		4.0800e-003	4.0800e-003		64.4167	64.4167	1.2300e-003	1.1800e-003	64.7995
General Office Building	3605.48	0.0389	0.3535	0.2969	2.1200e-003		0.0269	0.0269		0.0269	0.0269		424.1741	424.1741	8.1300e-003	7.7800e-003	426.6947
<b>Total</b>		<b>0.0448</b>	<b>0.4072</b>	<b>0.3420</b>	<b>2.4400e-003</b>		<b>0.0309</b>	<b>0.0309</b>		<b>0.0309</b>	<b>0.0309</b>		<b>488.5908</b>	<b>488.5908</b>	<b>9.3600e-003</b>	<b>8.9600e-003</b>	<b>491.4942</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.539558	5.8200e-003	0.0529	0.0444	3.2000e-004		4.0200e-003	4.0200e-003		4.0200e-003	4.0200e-003		63.4774	63.4774	1.2200e-003	1.1600e-003	63.8546
General Office Building	3.42586	0.0370	0.3359	0.2821	2.0200e-003		0.0255	0.0255		0.0255	0.0255		403.0427	403.0427	7.7200e-003	7.3900e-003	405.4378
<b>Total</b>		<b>0.0428</b>	<b>0.3888</b>	<b>0.3266</b>	<b>2.3400e-003</b>		<b>0.0296</b>	<b>0.0296</b>		<b>0.0296</b>	<b>0.0296</b>		<b>466.5201</b>	<b>466.5201</b>	<b>8.9400e-003</b>	<b>8.5500e-003</b>	<b>469.2924</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior



First Street Green Project - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9733	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227
Unmitigated	1.9733	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2331					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4000e-004	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227
<b>Total</b>	<b>1.9733</b>	<b>9.0000e-005</b>	<b>9.9900e-003</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0213</b>	<b>0.0213</b>	<b>6.0000e-005</b>		<b>0.0227</b>

First Street Green Project - Bay Area AQMD Air District, Winter

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2331					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7393					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4000e-004	9.0000e-005	9.9900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0213	0.0213	6.0000e-005		0.0227
<b>Total</b>	<b>1.9733</b>	<b>9.0000e-005</b>	<b>9.9900e-003</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0213</b>	<b>0.0213</b>	<b>6.0000e-005</b>		<b>0.0227</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

---

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment**

---

Fire Pumps and Emergency Generators

First Street Green Project - Bay Area AQMD Air District, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

---

**CalEEMod Output Sheets – Mitigated Project Applicant Construction Equipment List with Level 3 Diesel Particulate Filters**

First Street Green Project - Bay Area AQMD Air District, Annual

**First Street Green Project - with Level 3 Diesel Particulate Filters**  
**Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	80.00	1000sqft	1.84	80,000.00	0
Enclosed Parking Structure	15.80	1000sqft	0.36	15,800.00	0
City Park	0.51	Acre	0.51	22,000.00	0
Fast Food Restaurant w/o Drive Thru	0.96	1000sqft	0.02	960.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2020
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	427	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



First Street Green Project - Bay Area AQMD Air District, Annual

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

First Street Green Project - Bay Area AQMD Air District, Annual

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	220.00	300.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	3.00	20.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	City Park	Fast Food Restaurant w/o Drive Thru
tblFleetMix	FleetMixLandUseSubType	Fast Food Restaurant w/o Drive Thru	General Office Building
tblGrading	AcresOfGrading	15.00	3.00
tblGrading	AcresOfGrading	30.00	4.50
tblGrading	MaterialExported	0.00	69,000.00
tblLandUse	GreenSpaceSquareFeet	22,215.60	22,000.00
tblLandUse	LandUseSquareFeet	22,215.60	22,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00



## First Street Green Project - Bay Area AQMD Air District, Annual

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	427
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	HaulingTripNumber	97.00	96.00
tblVehicleEF	HHD	0.62	0.69
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.12	0.17
tblVehicleEF	HHD	2.70	3.14
tblVehicleEF	HHD	1.02	1.06
tblVehicleEF	HHD	3.42	4.15
tblVehicleEF	HHD	4,628.81	4,578.45
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	22.72	25.19
tblVehicleEF	HHD	4.49	5.21
tblVehicleEF	HHD	19.70	19.70
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	9.5000e-005	1.4500e-004
tblVehicleEF	HHD	5.8140e-003	0.01
tblVehicleEF	HHD	0.69	0.81
tblVehicleEF	HHD	6.0000e-005	8.7000e-005
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.2500e-004	8.9800e-004
tblVehicleEF	HHD	0.11	0.17
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5800e-004	1.8900e-004
tblVehicleEF	HHD	9.5000e-005	1.4500e-004
tblVehicleEF	HHD	5.8140e-003	0.01
tblVehicleEF	HHD	0.79	0.93
tblVehicleEF	HHD	6.0000e-005	8.7000e-005
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.2500e-004	8.9800e-004
tblVehicleEF	HHD	0.13	0.19
tblVehicleEF	HHD	0.59	0.65
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.11	0.16
tblVehicleEF	HHD	1.97	2.29
tblVehicleEF	HHD	1.03	1.06
tblVehicleEF	HHD	3.13	3.83
tblVehicleEF	HHD	4,901.04	4,845.90
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	23.44	25.99
tblVehicleEF	HHD	4.32	5.01
tblVehicleEF	HHD	19.68	19.67
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	2.3700e-004	3.7600e-004
tblVehicleEF	HHD	6.3260e-003	0.01
tblVehicleEF	HHD	0.65	0.76
tblVehicleEF	HHD	1.4400e-004	2.2400e-004
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.1700e-004	8.9300e-004
tblVehicleEF	HHD	0.11	0.16
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5400e-004	1.8300e-004
tblVehicleEF	HHD	2.3700e-004	3.7600e-004
tblVehicleEF	HHD	6.3260e-003	0.01
tblVehicleEF	HHD	0.75	0.88

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	1.4400e-004	2.2400e-004
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.1700e-004	8.9300e-004
tblVehicleEF	HHD	0.12	0.17
tblVehicleEF	HHD	0.67	0.74
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.13	0.19
tblVehicleEF	HHD	3.71	4.30
tblVehicleEF	HHD	1.01	1.05
tblVehicleEF	HHD	3.69	4.49
tblVehicleEF	HHD	4,252.86	4,209.10
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	21.72	24.09
tblVehicleEF	HHD	4.56	5.29
tblVehicleEF	HHD	19.72	19.72
tblVehicleEF	HHD	0.03	0.05
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	6.3370e-003	0.01
tblVehicleEF	HHD	0.74	0.87
tblVehicleEF	HHD	2.6000e-005	3.4000e-005
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.7900e-004	9.8000e-004
tblVehicleEF	HHD	0.12	0.18
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.6300e-004	1.9400e-004
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	6.3370e-003	0.01
tblVehicleEF	HHD	0.86	1.00
tblVehicleEF	HHD	2.6000e-005	3.4000e-005
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.7900e-004	9.8000e-004
tblVehicleEF	HHD	0.13	0.20
tblVehicleEF	LDA	4.9090e-003	6.2350e-003
tblVehicleEF	LDA	7.8890e-003	0.01
tblVehicleEF	LDA	0.63	0.77
tblVehicleEF	LDA	1.59	2.05
tblVehicleEF	LDA	271.43	291.94
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	1.8480e-003	1.8840e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.12	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	2.7180e-003	2.9260e-003
tblVehicleEF	LDA	6.4300e-004	6.9000e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.12	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.12	0.16
tblVehicleEF	LDA	5.4630e-003	6.9190e-003
tblVehicleEF	LDA	6.4710e-003	8.9460e-003
tblVehicleEF	LDA	0.74	0.90
tblVehicleEF	LDA	1.24	1.61
tblVehicleEF	LDA	292.85	314.97
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.8480e-003	1.8840e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.14	0.17
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	2.9340e-003	3.1570e-003
tblVehicleEF	LDA	6.3700e-004	6.8200e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.14	0.17
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.13
tblVehicleEF	LDA	4.8040e-003	6.1180e-003
tblVehicleEF	LDA	8.9430e-003	0.01
tblVehicleEF	LDA	0.62	0.76
tblVehicleEF	LDA	1.86	2.40
tblVehicleEF	LDA	268.77	289.10
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	1.8480e-003	1.8840e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.17
tblVehicleEF	LDA	2.6920e-003	2.8970e-003
tblVehicleEF	LDA	6.4800e-004	6.9600e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.18
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.27	1.66
tblVehicleEF	LDT1	3.40	4.32
tblVehicleEF	LDT1	328.14	345.44
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.13	0.17
tblVehicleEF	LDT1	0.19	0.25
tblVehicleEF	LDT1	2.5120e-003	2.8090e-003



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.09	0.11
tblVehicleEF	LDT1	0.27	0.31
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.21
tblVehicleEF	LDT1	0.23	0.31
tblVehicleEF	LDT1	3.2960e-003	3.4760e-003
tblVehicleEF	LDT1	8.0100e-004	8.5000e-004
tblVehicleEF	LDT1	0.09	0.11
tblVehicleEF	LDT1	0.27	0.31
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.18	0.21
tblVehicleEF	LDT1	0.26	0.34
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.47	1.89
tblVehicleEF	LDT1	2.62	3.34
tblVehicleEF	LDT1	352.76	371.19
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.12	0.15
tblVehicleEF	LDT1	0.17	0.22
tblVehicleEF	LDT1	2.5120e-003	2.8090e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.23	0.28
tblVehicleEF	LDT1	0.30	0.36
tblVehicleEF	LDT1	0.17	0.20
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.19	0.25
tblVehicleEF	LDT1	3.5450e-003	3.7360e-003
tblVehicleEF	LDT1	7.8700e-004	8.3200e-004
tblVehicleEF	LDT1	0.23	0.28
tblVehicleEF	LDT1	0.30	0.36
tblVehicleEF	LDT1	0.17	0.20
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.21	0.28
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	1.27	1.66
tblVehicleEF	LDT1	4.00	5.08
tblVehicleEF	LDT1	325.17	342.33
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.15	0.19
tblVehicleEF	LDT1	0.21	0.27
tblVehicleEF	LDT1	2.5120e-003	2.8090e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.29	0.34
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.27	0.36
tblVehicleEF	LDT1	3.2670e-003	3.4450e-003
tblVehicleEF	LDT1	8.1100e-004	8.6300e-004
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.29	0.34
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.29	0.39
tblVehicleEF	LDT2	6.2630e-003	7.7980e-003
tblVehicleEF	LDT2	9.2100e-003	0.01
tblVehicleEF	LDT2	0.78	0.95
tblVehicleEF	LDT2	1.91	2.45
tblVehicleEF	LDT2	373.37	395.49
tblVehicleEF	LDT2	84.63	89.06
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.7000e-003	1.6510e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT2	2.2550e-003	2.2360e-003
tblVehicleEF	LDT2	1.5630e-003	1.5190e-003
tblVehicleEF	LDT2	2.0740e-003	2.0580e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.17
tblVehicleEF	LDT2	3.7390e-003	3.9630e-003
tblVehicleEF	LDT2	8.7900e-004	9.3300e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.14	0.18
tblVehicleEF	LDT2	6.9560e-003	8.6270e-003
tblVehicleEF	LDT2	7.5690e-003	0.01
tblVehicleEF	LDT2	0.91	1.11
tblVehicleEF	LDT2	1.49	1.91
tblVehicleEF	LDT2	401.90	425.72
tblVehicleEF	LDT2	84.63	89.06
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	1.7000e-003	1.6510e-003

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LD12	2.2550e-003	2.2360e-003
tbVehicleEF	LD12	1.5630e-003	1.5190e-003
tbVehicleEF	LD12	2.0740e-003	2.0580e-003
tbVehicleEF	LD12	0.10	0.11
tbVehicleEF	LD12	0.14	0.16
tbVehicleEF	LD12	0.08	0.09
tbVehicleEF	LD12	0.02	0.02
tbVehicleEF	LD12	0.07	0.07
tbVehicleEF	LD12	0.10	0.14
tbVehicleEF	LD12	4.0260e-003	4.2670e-003
tbVehicleEF	LD12	8.7100e-004	9.2400e-004
tbVehicleEF	LD12	0.10	0.11
tbVehicleEF	LD12	0.14	0.16
tbVehicleEF	LD12	0.08	0.09
tbVehicleEF	LD12	0.03	0.03
tbVehicleEF	LD12	0.07	0.07
tbVehicleEF	LD12	0.11	0.15
tbVehicleEF	LD12	6.1220e-003	7.6450e-003
tbVehicleEF	LD12	0.01	0.01
tbVehicleEF	LD12	0.77	0.95
tbVehicleEF	LD12	2.23	2.87
tbVehicleEF	LD12	369.93	391.84
tbVehicleEF	LD12	84.63	89.06
tbVehicleEF	LD12	0.19	0.19
tbVehicleEF	LD12	0.10	0.13
tbVehicleEF	LD12	0.17	0.24
tbVehicleEF	LD12	1.7000e-003	1.6510e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT2	2.2550e-003	2.2360e-003
tblVehicleEF	LDT2	1.5630e-003	1.5190e-003
tblVehicleEF	LDT2	2.0740e-003	2.0580e-003
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	3.7050e-003	3.9270e-003
tblVehicleEF	LDT2	8.8400e-004	9.4000e-004
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.15	0.21
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.32	1.52
tblVehicleEF	LHD1	3.04	3.38
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88
tblVehicleEF	LHD1	0.02	0.02

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.63	1.86
tblVehicleEF	LHD1	1.10	1.16
tblVehicleEF	LHD1	9.0900e-004	8.8700e-004
tblVehicleEF	LHD1	9.9640e-003	9.8490e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0890e-003	1.2250e-003
tblVehicleEF	LHD1	8.7000e-004	8.4800e-004
tblVehicleEF	LHD1	2.4910e-003	2.4620e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0020e-003	1.1290e-003
tblVehicleEF	LHD1	2.5080e-003	2.5790e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3230e-003	1.3140e-003
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.32	0.32
tblVehicleEF	LHD1	0.31	0.35
tblVehicleEF	LHD1	6.9910e-003	7.1590e-003
tblVehicleEF	LHD1	3.9200e-004	4.1300e-004
tblVehicleEF	LHD1	2.5080e-003	2.5790e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3230e-003	1.3140e-003
tblVehicleEF	LHD1	0.18	0.19
tblVehicleEF	LHD1	0.32	0.32
tblVehicleEF	LHD1	0.34	0.38

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LHD1	6.0100e-003	6.3730e-003
tbVehicleEF	LHD1	0.02	0.03
tbVehicleEF	LHD1	0.15	0.16
tbVehicleEF	LHD1	1.35	1.55
tbVehicleEF	LHD1	2.79	3.11
tbVehicleEF	LHD1	9.07	9.07
tbVehicleEF	LHD1	711.01	726.98
tbVehicleEF	LHD1	33.48	34.88
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	0.08	0.08
tbVehicleEF	LHD1	1.56	1.77
tbVehicleEF	LHD1	1.02	1.08
tbVehicleEF	LHD1	9.0900e-004	8.8700e-004
tbVehicleEF	LHD1	9.9640e-003	9.8490e-003
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	1.0890e-003	1.2250e-003
tbVehicleEF	LHD1	8.7000e-004	8.4800e-004
tbVehicleEF	LHD1	2.4910e-003	2.4620e-003
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	1.0020e-003	1.1290e-003
tbVehicleEF	LHD1	6.0230e-003	6.2790e-003
tbVehicleEF	LHD1	0.12	0.12
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	2.8770e-003	2.9320e-003
tbVehicleEF	LHD1	0.14	0.15
tbVehicleEF	LHD1	0.31	0.31



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	0.29	0.32
tblVehicleEF	LHD1	6.9910e-003	7.1590e-003
tblVehicleEF	LHD1	3.8800e-004	4.0800e-004
tblVehicleEF	LHD1	6.0230e-003	6.2790e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.8770e-003	2.9320e-003
tblVehicleEF	LHD1	0.18	0.20
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.36
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.30	1.49
tblVehicleEF	LHD1	3.27	3.65
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.67	1.90
tblVehicleEF	LHD1	1.17	1.23
tblVehicleEF	LHD1	9.0900e-004	8.8700e-004
tblVehicleEF	LHD1	9.9640e-003	9.8490e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0890e-003	1.2250e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	8.7000e-004	8.4800e-004
tblVehicleEF	LHD1	2.4910e-003	2.4620e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0020e-003	1.1290e-003
tblVehicleEF	LHD1	1.0710e-003	1.0660e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1100e-004	5.9300e-004
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.33	0.37
tblVehicleEF	LHD1	6.9900e-003	7.1580e-003
tblVehicleEF	LHD1	3.9600e-004	4.1800e-004
tblVehicleEF	LHD1	1.0710e-003	1.0660e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	6.1100e-004	5.9300e-004
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.36	0.40
tblVehicleEF	LHD2	4.0830e-003	4.4560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.70	0.85
tblVehicleEF	LHD2	1.49	1.80
tblVehicleEF	LHD2	14.11	14.16

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LHD2	731.41	751.30
tbVehicleEF	LHD2	25.96	27.34
tbVehicleEF	LHD2	5.3710e-003	5.3750e-003
tbVehicleEF	LHD2	0.11	0.12
tbVehicleEF	LHD2	1.17	1.53
tbVehicleEF	LHD2	0.58	0.67
tbVehicleEF	LHD2	1.3080e-003	1.3130e-003
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	4.9000e-004	5.8700e-004
tbVehicleEF	LHD2	1.2510e-003	1.2560e-003
tbVehicleEF	LHD2	2.6710e-003	2.6550e-003
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	4.5100e-004	5.4100e-004
tbVehicleEF	LHD2	9.6300e-004	1.1660e-003
tbVehicleEF	LHD2	0.04	0.05
tbVehicleEF	LHD2	0.01	0.02
tbVehicleEF	LHD2	5.2500e-004	6.0200e-004
tbVehicleEF	LHD2	0.12	0.13
tbVehicleEF	LHD2	0.10	0.12
tbVehicleEF	LHD2	0.14	0.17
tbVehicleEF	LHD2	1.3800e-004	1.3900e-004
tbVehicleEF	LHD2	7.1210e-003	7.3210e-003
tbVehicleEF	LHD2	2.8700e-004	3.0700e-004
tbVehicleEF	LHD2	9.6300e-004	1.1660e-003
tbVehicleEF	LHD2	0.04	0.05
tbVehicleEF	LHD2	0.02	0.02

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD2	5.2500e-004	6.0200e-004
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.15	0.19
tblVehicleEF	LHD2	4.0830e-003	4.4560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.4580e-003	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.71	0.86
tblVehicleEF	LHD2	1.37	1.66
tblVehicleEF	LHD2	14.11	14.16
tblVehicleEF	LHD2	731.41	751.30
tblVehicleEF	LHD2	25.96	27.34
tblVehicleEF	LHD2	5.3710e-003	5.3750e-003
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	1.13	1.47
tblVehicleEF	LHD2	0.54	0.62
tblVehicleEF	LHD2	1.3080e-003	1.3130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.9000e-004	5.8700e-004
tblVehicleEF	LHD2	1.2510e-003	1.2560e-003
tblVehicleEF	LHD2	2.6710e-003	2.6550e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.5100e-004	5.4100e-004
tblVehicleEF	LHD2	2.3000e-003	2.8300e-003
tblVehicleEF	LHD2	0.05	0.06

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LHD2	0.01	1.3360e-003	0.02
tbVehicleEF	LHD2	1.1340e-003	1.3360e-003	0.13
tbVehicleEF	LHD2	0.09	0.12	0.12
tbVehicleEF	LHD2	0.13	0.16	0.16
tbVehicleEF	LHD2	0.13	0.02	0.06
tbVehicleEF	LHD2	2.3000e-003	2.8300e-003	0.06
tbVehicleEF	LHD2	2.8500e-004	3.0400e-004	0.06
tbVehicleEF	LHD2	7.1210e-003	7.3210e-003	0.06
tbVehicleEF	LHD2	1.3800e-004	1.3900e-004	0.06
tbVehicleEF	LHD2	0.13	0.16	0.16
tbVehicleEF	LHD2	0.09	0.12	0.12
tbVehicleEF	LHD2	0.12	0.13	0.13
tbVehicleEF	LHD2	1.1340e-003	1.3360e-003	0.13
tbVehicleEF	LHD2	0.14	0.16	0.16
tbVehicleEF	LHD2	0.09	0.12	0.12
tbVehicleEF	LHD2	0.14	0.16	0.16
tbVehicleEF	LHD2	1.1340e-003	1.3360e-003	0.12
tbVehicleEF	LHD2	0.14	0.18	0.18
tbVehicleEF	LHD2	4.0830e-003	4.4560e-003	0.18
tbVehicleEF	LHD2	0.01	0.01	0.01
tbVehicleEF	LHD2	0.01	0.01	0.01
tbVehicleEF	LHD2	0.13	0.13	0.13
tbVehicleEF	LHD2	0.69	0.84	0.84
tbVehicleEF	LHD2	1.59	1.93	1.93
tbVehicleEF	LHD2	14.11	14.16	14.16
tbVehicleEF	LHD2	731.41	751.30	751.30
tbVehicleEF	LHD2	25.96	27.34	27.34
tbVehicleEF	LHD2	5.3710e-003	5.3750e-003	5.3750e-003
tbVehicleEF	LHD2	0.11	0.12	0.12
tbVehicleEF	LHD2	1.20	1.56	1.56

First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD2	0.62	0.71
tblVehicleEF	LHD2	1.3080e-003	1.3130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.9000e-004	5.8700e-004
tblVehicleEF	LHD2	1.2510e-003	1.2560e-003
tblVehicleEF	LHD2	2.6710e-003	2.6550e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.5100e-004	5.4100e-004
tblVehicleEF	LHD2	4.2900e-004	4.9800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.11	0.13
tblVehicleEF	LHD2	0.14	0.18
tblVehicleEF	LHD2	1.3800e-004	1.3900e-004
tblVehicleEF	LHD2	7.1200e-003	7.3210e-003
tblVehicleEF	LHD2	2.8900e-004	3.0900e-004
tblVehicleEF	LHD2	4.2900e-004	4.9800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.11	0.13
tblVehicleEF	LHD2	0.16	0.20
tblVehicleEF	MCY	0.45	0.44

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	20.92	22.11
tblVehicleEF	MCY	10.18	10.14
tblVehicleEF	MCY	172.27	170.79
tblVehicleEF	MCY	46.79	47.74
tblVehicleEF	MCY	5.9420e-003	6.0050e-003
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	2.0050e-003	1.9200e-003
tblVehicleEF	MCY	4.4220e-003	4.8160e-003
tblVehicleEF	MCY	1.8800e-003	1.8050e-003
tblVehicleEF	MCY	4.1820e-003	4.5650e-003
tblVehicleEF	MCY	0.83	0.84
tblVehicleEF	MCY	0.77	0.80
tblVehicleEF	MCY	0.49	0.50
tblVehicleEF	MCY	2.38	2.46
tblVehicleEF	MCY	0.67	0.72
tblVehicleEF	MCY	2.29	2.34
tblVehicleEF	MCY	2.1330e-003	2.1390e-003
tblVehicleEF	MCY	7.0200e-004	7.1200e-004
tblVehicleEF	MCY	0.83	0.84
tblVehicleEF	MCY	0.77	0.80
tblVehicleEF	MCY	0.49	0.50
tblVehicleEF	MCY	2.91	2.98
tblVehicleEF	MCY	0.67	0.72
tblVehicleEF	MCY	2.49	2.54
tblVehicleEF	MCY	0.43	0.42

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	MCY	0.14	0.14
tbVehicleEF	MCY	19.84	20.90
tbVehicleEF	MCY	8.91	8.92
tbVehicleEF	MCY	172.27	170.79
tbVehicleEF	MCY	46.79	47.74
tbVehicleEF	MCY	5.9420e-003	6.0050e-003
tbVehicleEF	MCY	1.03	1.03
tbVehicleEF	MCY	0.29	0.29
tbVehicleEF	MCY	2.0050e-003	1.9200e-003
tbVehicleEF	MCY	4.4220e-003	4.8160e-003
tbVehicleEF	MCY	1.8800e-003	1.8050e-003
tbVehicleEF	MCY	4.1820e-003	4.5650e-003
tbVehicleEF	MCY	2.31	2.33
tbVehicleEF	MCY	0.98	1.01
tbVehicleEF	MCY	1.41	1.43
tbVehicleEF	MCY	2.27	2.33
tbVehicleEF	MCY	0.63	0.67
tbVehicleEF	MCY	1.89	1.92
tbVehicleEF	MCY	2.1130e-003	2.1160e-003
tbVehicleEF	MCY	6.6900e-004	6.7900e-004
tbVehicleEF	MCY	2.31	2.33
tbVehicleEF	MCY	0.98	1.01
tbVehicleEF	MCY	1.41	1.43
tbVehicleEF	MCY	2.79	2.84
tbVehicleEF	MCY	0.63	0.67
tbVehicleEF	MCY	2.06	2.09
tbVehicleEF	MCY	0.47	0.46



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MCY	0.20	0.20
tblVehicleEF	MCY	22.72	24.09
tblVehicleEF	MCY	11.58	11.52
tblVehicleEF	MCY	172.27	170.79
tblVehicleEF	MCY	46.79	47.74
tblVehicleEF	MCY	5.9420e-003	6.0050e-003
tblVehicleEF	MCY	1.26	1.27
tblVehicleEF	MCY	0.34	0.34
tblVehicleEF	MCY	2.0050e-003	1.9200e-003
tblVehicleEF	MCY	4.4220e-003	4.8160e-003
tblVehicleEF	MCY	1.8800e-003	1.8050e-003
tblVehicleEF	MCY	4.1820e-003	4.5650e-003
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.93	0.97
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	2.49	2.58
tblVehicleEF	MCY	0.79	0.84
tblVehicleEF	MCY	2.67	2.73
tblVehicleEF	MCY	2.1650e-003	2.1750e-003
tblVehicleEF	MCY	7.3600e-004	7.4700e-004
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.93	0.97
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	3.05	3.13
tblVehicleEF	MCY	0.79	0.84
tblVehicleEF	MCY	2.90	2.97
tblVehicleEF	MDV	0.01	0.01

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	1.37	1.60
tblVehicleEF	MDV	3.60	4.26
tblVehicleEF	MDV	495.13	519.40
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.33	0.40
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.28	0.35
tblVehicleEF	MDV	4.9610e-003	5.2080e-003
tblVehicleEF	MDV	1.1680e-003	1.2260e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.31	0.38
tblVehicleEF	MDV	0.01	0.02

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.58	1.84
tblVehicleEF	MDV	2.82	3.35
tblVehicleEF	MDV	532.29	558.48
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.16	0.19
tblVehicleEF	MDV	0.29	0.35
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.23	0.28
tblVehicleEF	MDV	5.3360e-003	5.6020e-003
tblVehicleEF	MDV	1.1540e-003	1.2090e-003
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.25	0.31
tblVehicleEF	MDV	0.01	0.01

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	1.38	1.61
tblVehicleEF	MDV	4.21	4.99
tblVehicleEF	MDV	490.55	514.56
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.19	0.24
tblVehicleEF	MDV	0.35	0.44
tblVehicleEF	MDV	1.9180e-003	1.8990e-003
tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.32	0.39
tblVehicleEF	MDV	4.9160e-003	5.1600e-003
tblVehicleEF	MDV	1.1790e-003	1.2390e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MH	0.04	0.06

First Street Green Project - Bay Area AQMD Air District, Annual

0.04	0.03	MH	tbVehicleEF
5.27	3.51	MH	tbVehicleEF
8.77	7.25	MH	tbVehicleEF
1,241.02	1,228.67	MH	tbVehicleEF
67.17	61.77	MH	tbVehicleEF
8.6400e-004	8.1200e-004	MH	tbVehicleEF
1.82	1.60	MH	tbVehicleEF
1.05	0.96	MH	tbVehicleEF
0.01	0.01	MH	tbVehicleEF
0.03	0.03	MH	tbVehicleEF
2.2990e-003	1.5510e-003	MH	tbVehicleEF
3.2090e-003	3.2150e-003	MH	tbVehicleEF
0.03	0.03	MH	tbVehicleEF
2.1450e-003	1.4350e-003	MH	tbVehicleEF
1.10	0.94	MH	tbVehicleEF
0.10	0.09	MH	tbVehicleEF
0.39	0.34	MH	tbVehicleEF
0.21	0.15	MH	tbVehicleEF
0.03	0.02	MH	tbVehicleEF
0.57	0.44	MH	tbVehicleEF
0.01	0.01	MH	tbVehicleEF
8.2700e-004	7.4500e-004	MH	tbVehicleEF
1.10	0.94	MH	tbVehicleEF
0.10	0.09	MH	tbVehicleEF
0.39	0.34	MH	tbVehicleEF
0.28	0.20	MH	tbVehicleEF
0.03	0.02	MH	tbVehicleEF

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MH	0.48	0.63
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	3.63	5.32
tblVehicleEF	MH	6.56	8.00
tblVehicleEF	MH	1,228.67	1,241.02
tblVehicleEF	MH	61.77	67.17
tblVehicleEF	MH	8.1200e-004	8.6400e-004
tblVehicleEF	MH	1.50	1.70
tblVehicleEF	MH	0.89	0.97
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5510e-003	2.2990e-003
tblVehicleEF	MH	3.2150e-003	3.2090e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4350e-003	2.1450e-003
tblVehicleEF	MH	2.28	2.70
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.76	0.90
tblVehicleEF	MH	0.15	0.21
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.40	0.53
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.3300e-004	8.1300e-004
tblVehicleEF	MH	2.28	2.70
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.76	0.90

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MH	0.21	0.28
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.44	0.58
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.03	0.05
tblVehicleEF	MH	3.46	5.35
tblVehicleEF	MH	7.91	9.58
tblVehicleEF	MH	1,228.67	1,241.02
tblVehicleEF	MH	61.77	67.17
tblVehicleEF	MH	8.1200e-004	8.6400e-004
tblVehicleEF	MH	1.66	1.89
tblVehicleEF	MH	1.02	1.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5510e-003	2.2990e-003
tblVehicleEF	MH	3.2150e-003	3.2090e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4350e-003	2.1450e-003
tblVehicleEF	MH	0.37	0.42
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.15	0.17
tblVehicleEF	MH	0.15	0.21
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.46	0.61
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.5600e-004	8.4100e-004
tblVehicleEF	MH	0.37	0.42

First Street Green Project - Bay Area AQMD Air District, Annual

0.12	0.10	MH	tbVehicleEF
0.17	0.15	MH	tbVehicleEF
0.28	0.20	MH	tbVehicleEF
0.03	0.02	MH	tbVehicleEF
0.67	0.51	MH	tbVehicleEF
0.02	0.02	MHD	tbVehicleEF
0.02	9.9170e-003	MHD	tbVehicleEF
0.08	0.06	MHD	tbVehicleEF
0.52	0.44	MHD	tbVehicleEF
1.02	0.64	MHD	tbVehicleEF
9.11	7.43	MHD	tbVehicleEF
151.94	151.53	MHD	tbVehicleEF
1,218.04	1,207.41	MHD	tbVehicleEF
59.83	57.19	MHD	tbVehicleEF
0.02	0.02	MHD	tbVehicleEF
1.29	0.97	MHD	tbVehicleEF
3.44	2.26	MHD	tbVehicleEF
11.38	11.36	MHD	tbVehicleEF
5.8480e-003	3.0950e-003	MHD	tbVehicleEF
0.09	0.05	MHD	tbVehicleEF
1.2660e-003	9.6600e-004	MHD	tbVehicleEF
5.5950e-003	2.9610e-003	MHD	tbVehicleEF
0.09	0.04	MHD	tbVehicleEF
1.1700e-003	8.8900e-004	MHD	tbVehicleEF
1.2470e-003	1.0180e-003	MHD	tbVehicleEF
0.06	0.05	MHD	tbVehicleEF
0.04	0.03	MHD	tbVehicleEF



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	5.3600e-004	6.3100e-004
tblVehicleEF	MHD	0.12	0.23
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.44	0.55
tblVehicleEF	MHD	1.4570e-003	1.4620e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.0200e-004	7.5900e-004
tblVehicleEF	MHD	1.0180e-003	1.2470e-003
tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	5.3600e-004	6.3100e-004
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.48	0.61
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.31	0.37
tblVehicleEF	MHD	0.66	1.03
tblVehicleEF	MHD	6.78	8.33
tblVehicleEF	MHD	160.66	161.10
tblVehicleEF	MHD	1,207.41	1,218.04
tblVehicleEF	MHD	57.19	59.83
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.00	1.33
tblVehicleEF	MHD	2.17	3.30
tblVehicleEF	MHD	11.28	11.29

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	2.6090e-003	4.9300e-003
tblVehicleEF	MHD	0.05	0.09
tblVehicleEF	MHD	9.6600e-004	1.2660e-003
tblVehicleEF	MHD	2.4960e-003	4.7170e-003
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	8.8900e-004	1.1700e-003
tblVehicleEF	MHD	2.5140e-003	3.1420e-003
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.2420e-003	1.5180e-003
tblVehicleEF	MHD	0.12	0.23
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.41	0.51
tblVehicleEF	MHD	1.5430e-003	1.5480e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.9100e-004	7.4500e-004
tblVehicleEF	MHD	2.5140e-003	3.1420e-003
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	1.2420e-003	1.5180e-003
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.45	0.56
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.7820e-003	0.02
tblVehicleEF	MHD	0.07	0.08
tblVehicleEF	MHD	0.58	0.69

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	MHD	0.64	1.01
tbVehicleEF	MHD	8.00	9.82
tbVehicleEF	MHD	139.26	139.65
tbVehicleEF	MHD	1,207.41	1,218.04
tbVehicleEF	MHD	57.19	59.83
tbVehicleEF	MHD	0.02	0.02
tbVehicleEF	MHD	0.92	1.23
tbVehicleEF	MHD	2.30	3.50
tbVehicleEF	MHD	11.42	11.45
tbVehicleEF	MHD	3.7660e-003	7.1160e-003
tbVehicleEF	MHD	0.05	0.09
tbVehicleEF	MHD	9.6600e-004	1.2660e-003
tbVehicleEF	MHD	3.6030e-003	6.8090e-003
tbVehicleEF	MHD	0.04	0.09
tbVehicleEF	MHD	8.8900e-004	1.1700e-003
tbVehicleEF	MHD	4.2600e-004	4.9700e-004
tbVehicleEF	MHD	0.05	0.07
tbVehicleEF	MHD	0.04	0.04
tbVehicleEF	MHD	2.3400e-004	2.6300e-004
tbVehicleEF	MHD	0.12	0.23
tbVehicleEF	MHD	0.03	0.03
tbVehicleEF	MHD	0.47	0.58
tbVehicleEF	MHD	1.3420e-003	1.3460e-003
tbVehicleEF	MHD	0.01	0.01
tbVehicleEF	MHD	7.1200e-004	7.7100e-004
tbVehicleEF	MHD	4.2600e-004	4.9700e-004
tbVehicleEF	MHD	0.05	0.07

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	0.05	0.06
tblVehicleEF	MHD	2.3400e-004	2.6300e-004
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.51	0.64
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.29	0.30
tblVehicleEF	OBUS	0.74	0.96
tblVehicleEF	OBUS	6.29	7.17
tblVehicleEF	OBUS	126.46	123.21
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.78	0.86
tblVehicleEF	OBUS	2.45	2.87
tblVehicleEF	OBUS	3.35	3.40
tblVehicleEF	OBUS	3.6800e-004	5.0900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	3.5200e-004	4.8700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	1.1640e-003	1.2340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	5.3400e-004	5.4900e-004
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.39	0.45
tblVehicleEF	OBUS	1.2180e-003	1.1870e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	8.0900e-004
tblVehicleEF	OBUS	1.1640e-003	1.2340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	5.3400e-004	5.4900e-004
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.43	0.49
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.28
tblVehicleEF	OBUS	0.76	0.98
tblVehicleEF	OBUS	5.72	6.52
tblVehicleEF	OBUS	133.00	129.55
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.81	0.89
tblVehicleEF	OBUS	2.34	2.74
tblVehicleEF	OBUS	3.28	3.31

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	3.1000e-004	4.2900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	2.9600e-004	4.1100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	2.7110e-003	2.9100e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	1.1710e-003	1.2360e-003
tblVehicleEF	OBUS	0.09	0.11
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.37	0.42
tblVehicleEF	OBUS	1.2810e-003	1.2480e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6700e-004	7.9800e-004
tblVehicleEF	OBUS	2.7110e-003	2.9100e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.1710e-003	1.2360e-003
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.40	0.46
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.32	0.33

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	0.73	0.94
tblVehicleEF	OBUS	6.77	7.73
tblVehicleEF	OBUS	117.42	114.46
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.75	0.82
tblVehicleEF	OBUS	2.49	2.92
tblVehicleEF	OBUS	3.42	3.47
tblVehicleEF	OBUS	4.4700e-004	6.1900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	4.2800e-004	5.9300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	5.7700e-004	5.9100e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.5700e-004	2.5900e-004
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.41	0.48
tblVehicleEF	OBUS	1.1320e-003	1.1040e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	8.1800e-004
tblVehicleEF	OBUS	5.7700e-004	5.9100e-004
tblVehicleEF	OBUS	0.02	0.02

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	2.5700e-004	2.5900e-004
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.45	0.52
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	5.40	5.13
tblVehicleEF	SBUS	0.87	1.03
tblVehicleEF	SBUS	6.36	6.69
tblVehicleEF	SBUS	1,288.91	1,314.86
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14
tblVehicleEF	SBUS	8.7700e-004	8.6800e-004
tblVehicleEF	SBUS	13.15	14.73
tblVehicleEF	SBUS	5.51	6.39
tblVehicleEF	SBUS	15.68	16.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.6500e-004	5.8000e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	2.7770e-003	2.7940e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.1900e-004	5.3300e-004
tblVehicleEF	SBUS	1.9710e-003	2.3990e-003



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.65	0.62
tblVehicleEF	SBUS	8.0700e-004	8.9200e-004
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.32	0.33
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4600e-004	4.2700e-004
tblVehicleEF	SBUS	1.9710e-003	2.3990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.93	0.88
tblVehicleEF	SBUS	8.0700e-004	8.9200e-004
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.34	0.37
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.07	0.08
tblVehicleEF	SBUS	5.24	4.94
tblVehicleEF	SBUS	0.89	1.05
tblVehicleEF	SBUS	4.66	4.91
tblVehicleEF	SBUS	1,355.64	1,383.85
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14
tblVehicleEF	SBUS	8.7700e-004	8.6800e-004
tblVehicleEF	SBUS	13.58	15.20

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	5.29	6.13
tblVehicleEF	SBUS	15.64	16.13
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.6500e-004	5.8000e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	2.7770e-003	2.7940e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.1900e-004	5.3300e-004
tblVehicleEF	SBUS	4.5750e-003	5.6890e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.65	0.62
tblVehicleEF	SBUS	1.7980e-003	2.0490e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	9.4490e-003	0.01
tblVehicleEF	SBUS	0.26	0.28
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.1700e-004	3.9700e-004
tblVehicleEF	SBUS	4.5750e-003	5.6890e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.93	0.88
tblVehicleEF	SBUS	1.7980e-003	2.0490e-003
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	9.4490e-003	0.01
tblVehicleEF	SBUS	0.29	0.31

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	SBUS	0.89	0.90
tbVehicleEF	SBUS	0.01	0.02
tbVehicleEF	SBUS	0.10	0.11
tbVehicleEF	SBUS	5.63	5.39
tbVehicleEF	SBUS	0.85	1.01
tbVehicleEF	SBUS	7.95	8.37
tbVehicleEF	SBUS	1,196.76	1,219.58
tbVehicleEF	SBUS	1,154.61	1,172.94
tbVehicleEF	SBUS	33.60	31.14
tbVehicleEF	SBUS	8.7700e-004	8.6800e-004
tbVehicleEF	SBUS	12.57	14.07
tbVehicleEF	SBUS	5.61	6.50
tbVehicleEF	SBUS	15.71	16.20
tbVehicleEF	SBUS	0.02	0.02
tbVehicleEF	SBUS	0.03	0.04
tbVehicleEF	SBUS	5.6500e-004	5.8000e-004
tbVehicleEF	SBUS	0.02	0.02
tbVehicleEF	SBUS	2.7770e-003	2.7940e-003
tbVehicleEF	SBUS	0.03	0.04
tbVehicleEF	SBUS	5.1900e-004	5.3300e-004
tbVehicleEF	SBUS	9.4300e-004	1.0470e-003
tbVehicleEF	SBUS	0.02	0.03
tbVehicleEF	SBUS	0.66	0.63
tbVehicleEF	SBUS	3.9300e-004	4.1400e-004
tbVehicleEF	SBUS	0.13	0.14
tbVehicleEF	SBUS	0.01	0.02

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	0.36	0.38
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.7200e-004	4.5500e-004
tblVehicleEF	SBUS	9.4300e-004	1.0470e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.94	0.89
tblVehicleEF	SBUS	3.9300e-004	4.1400e-004
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.39	0.42
tblVehicleEF	UBUS	0.30	0.31
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.15	7.47
tblVehicleEF	UBUS	8.31	8.36
tblVehicleEF	UBUS	2,178.97	2,231.08
tblVehicleEF	UBUS	85.39	77.02
tblVehicleEF	UBUS	2.4420e-003	2.6830e-003
tblVehicleEF	UBUS	13.34	15.45
tblVehicleEF	UBUS	16.06	16.71
tblVehicleEF	UBUS	0.64	0.67
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	8.6900e-004	9.7900e-004
tblVehicleEF	UBUS	0.28	0.29
tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	2.6490e-003	2.8250e-003

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	UBUS	0.06	0.07
tbVehicleEF	UBUS	1.3090e-003	1.3660e-003
tbVehicleEF	UBUS	0.81	0.97
tbVehicleEF	UBUS	0.01	0.01
tbVehicleEF	UBUS	0.61	0.63
tbVehicleEF	UBUS	0.02	0.02
tbVehicleEF	UBUS	1.0030e-003	9.2100e-004
tbVehicleEF	UBUS	2.6490e-003	2.8250e-003
tbVehicleEF	UBUS	0.06	0.07
tbVehicleEF	UBUS	1.3090e-003	1.3660e-003
tbVehicleEF	UBUS	1.18	1.36
tbVehicleEF	UBUS	0.01	0.01
tbVehicleEF	UBUS	0.66	0.69
tbVehicleEF	UBUS	0.30	0.31
tbVehicleEF	UBUS	0.04	0.04
tbVehicleEF	UBUS	6.22	7.46
tbVehicleEF	UBUS	6.51	6.59
tbVehicleEF	UBUS	2,178.97	2,231.08
tbVehicleEF	UBUS	85.39	77.02
tbVehicleEF	UBUS	2.4420e-003	2.6830e-003
tbVehicleEF	UBUS	12.78	14.81
tbVehicleEF	UBUS	15.98	16.64
tbVehicleEF	UBUS	0.64	0.67
tbVehicleEF	UBUS	0.28	0.32
tbVehicleEF	UBUS	8.6900e-004	9.7900e-004
tbVehicleEF	UBUS	0.28	0.29
tbVehicleEF	UBUS	0.26	0.31

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	6.4350e-003	6.9060e-003
tblVehicleEF	UBUS	0.06	0.07
tblVehicleEF	UBUS	2.9500e-003	3.2210e-003
tblVehicleEF	UBUS	0.82	0.98
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.52	0.54
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7200e-004	8.9000e-004
tblVehicleEF	UBUS	6.4350e-003	6.9060e-003
tblVehicleEF	UBUS	0.06	0.07
tblVehicleEF	UBUS	2.9500e-003	3.2210e-003
tblVehicleEF	UBUS	1.20	1.38
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.57	0.59
tblVehicleEF	UBUS	0.30	0.30
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.10	7.50
tblVehicleEF	UBUS	9.94	9.97
tblVehicleEF	UBUS	2,178.97	2,231.08
tblVehicleEF	UBUS	85.39	77.02
tblVehicleEF	UBUS	2.4420e-003	2.6830e-003
tblVehicleEF	UBUS	13.55	15.70
tblVehicleEF	UBUS	16.12	16.77
tblVehicleEF	UBUS	0.64	0.67
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	8.6900e-004	9.7900e-004

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	UBUS	0.28	0.29
tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	1.1230e-003	1.1820e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	5.5800e-004	5.3600e-004
tblVehicleEF	UBUS	0.81	0.97
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.68	0.71
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.0310e-003	9.4900e-004
tblVehicleEF	UBUS	1.1230e-003	1.1820e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	5.5800e-004	5.3600e-004
tblVehicleEF	UBUS	1.17	1.36
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.74	0.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	20.84
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	10.86
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	14.69

First Street Green Project - Bay Area AQMD Air District, Annual

**2.0 Emissions Summary**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.3089	3.8031	1.8809	6.5600e-003	0.1257	0.1303	0.2560	0.0320	0.1230	0.1550	0.0000	611.1228	611.1228	0.0739	0.0000	612.9703
2019	0.6476	1.8138	1.4185	2.9200e-003	0.0442	0.0902	0.1344	0.0120	0.0864	0.0984	0.0000	255.2001	255.2001	0.0410	0.0000	256.2248
<b>Maximum</b>	<b>0.6476</b>	<b>3.8031</b>	<b>1.8809</b>	<b>6.5600e-003</b>	<b>0.1257</b>	<b>0.1303</b>	<b>0.2560</b>	<b>0.0320</b>	<b>0.1230</b>	<b>0.1550</b>	<b>0.0000</b>	<b>611.1228</b>	<b>611.1228</b>	<b>0.0739</b>	<b>0.0000</b>	<b>612.9703</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.1313	2.7237	1.9320	6.5600e-003	0.1156	0.0273	0.1430	0.0306	0.0258	0.0564	0.0000	611.1225	611.1225	0.0739	0.0000	612.9700
2019	0.4877	1.1208	1.4879	2.9200e-003	0.0442	6.7900e-003	0.0510	0.0120	6.7100e-003	0.0187	0.0000	255.1999	255.1999	0.0410	0.0000	256.2246
<b>Maximum</b>	<b>0.4877</b>	<b>2.7237</b>	<b>1.9320</b>	<b>6.5600e-003</b>	<b>0.1156</b>	<b>0.0273</b>	<b>0.1430</b>	<b>0.0306</b>	<b>0.0258</b>	<b>0.0564</b>	<b>0.0000</b>	<b>611.1225</b>	<b>611.1225</b>	<b>0.0739</b>	<b>0.0000</b>	<b>612.9700</b>



## First Street Green Project - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	35.29	31.56	-3.65	0.00	5.93	84.53	50.33	3.25	84.48	70.36	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2018	3-31-2018	0.8427	0.4761
2	4-1-2018	6-30-2018	1.3151	1.2051
3	7-1-2018	9-30-2018	0.5899	0.3185
4	10-1-2018	12-31-2018	0.6896	0.3735
5	1-1-2019	3-31-2019	0.6149	0.3593
6	4-1-2019	6-30-2019	0.6195	0.3611
7	7-1-2019	9-30-2019	0.5783	0.3325
		Highest	1.3151	1.2051

First Street Green Project - Bay Area AQMD Air District, Annual

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
Energy	8.1700e-003	0.0743	0.0624	4.5000e-004		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	0.0000	389.4080	389.4080	0.0225	5.8200e-003	391.7044
Mobile	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248
Waste						0.0000	0.0000		0.0000	0.0000	17.3557	0.0000	17.3557	1.0257	0.0000	42.9981
Water						0.0000	0.0000		0.0000	0.0000	4.6034	21.5391	26.1425	0.4743	0.0115	41.4164
<b>Total</b>	<b>0.7929</b>	<b>2.0641</b>	<b>4.9386</b>	<b>0.0142</b>	<b>1.0692</b>	<b>0.0242</b>	<b>1.0933</b>	<b>0.2871</b>	<b>0.0231</b>	<b>0.3102</b>	<b>21.9591</b>	<b>1,668.9150</b>	<b>1,690.8742</b>	<b>1.5768</b>	<b>0.0173</b>	<b>1,735.4455</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
Energy	7.8000e-003	0.0710	0.0596	4.3000e-004		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003	0.0000	380.1465	380.1465	0.0221	5.6700e-003	382.3881
Mobile	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248
Waste						0.0000	0.0000		0.0000	0.0000	17.3557	0.0000	17.3557	1.0257	0.0000	42.9981
Water						0.0000	0.0000		0.0000	0.0000	4.6034	21.5391	26.1425	0.4743	0.0115	41.4164
<b>Total</b>	<b>0.7925</b>	<b>2.0607</b>	<b>4.9357</b>	<b>0.0142</b>	<b>1.0692</b>	<b>0.0239</b>	<b>1.0931</b>	<b>0.2871</b>	<b>0.0229</b>	<b>0.3099</b>	<b>21.9591</b>	<b>1,659.6535</b>	<b>1,681.6126</b>	<b>1.5764</b>	<b>0.0171</b>	<b>1,726.1293</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.05</b>	<b>0.16</b>	<b>0.06</b>	<b>0.14</b>	<b>0.00</b>	<b>1.08</b>	<b>0.02</b>	<b>0.00</b>	<b>1.12</b>	<b>0.08</b>	<b>0.00</b>	<b>0.55</b>	<b>0.55</b>	<b>0.03</b>	<b>0.87</b>	<b>0.54</b>

**3.0 Construction Detail**

**Construction Phase**

First Street Green Project - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	2/23/2018	5	40	
2	Site Preparation	Site Preparation	2/24/2018	3/23/2018	5	20	
3	Grading	Grading	3/24/2018	5/4/2018	5	30	
4	Building Construction	Building Construction	7/14/2018	9/6/2019	5	300	
5	Site Utilities	Trenching	5/5/2018	7/13/2018	5	50	
6	Paving	Paving	9/7/2019	11/1/2019	5	40	
7	Architectural Coating	Architectural Coating	11/2/2019	12/27/2019	5	40	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0.36

Residential Indoor: 0; Residential Outdoor: 121,440; Non-Residential Indoor: 40,480; Striped Parking Area: 948 (Architectural Coating – sqft)

Offroad Equipment

## First Street Green Project - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Site Utilities	Excavators	1	8.00	158	0.38
Site Utilities	Plate Compactors	1	8.00	8	0.43
Site Utilities	Rollers	1	8.00	80	0.38
Site Utilities	Rubber Tired Dozers	1	8.00	247	0.40
Site Utilities	Sweepers/Scrubbers	1	8.00	64	0.46
Site Utilities	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48

First Street Green Project - Bay Area AQMD Air District, Annual

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	96.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	8,625.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	42.00	19.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

First Street Green Project - Bay Area AQMD Air District, Annual

**3.2 Demolition - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0104	0.0000	0.0104	1.5800e-003	0.0000	1.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2361	0.2147	3.1000e-004		0.0165	0.0165		0.0156	0.0156	0.0000	27.7779	27.7779	6.1300e-003	0.0000	27.9312
<b>Total</b>	<b>0.0264</b>	<b>0.2361</b>	<b>0.2147</b>	<b>3.1000e-004</b>	<b>0.0104</b>	<b>0.0165</b>	<b>0.0270</b>	<b>1.5800e-003</b>	<b>0.0156</b>	<b>0.0172</b>	<b>0.0000</b>	<b>27.7779</b>	<b>27.7779</b>	<b>6.1300e-003</b>	<b>0.0000</b>	<b>27.9312</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6000e-004	0.0158	3.0200e-003	4.0000e-005	8.1000e-004	6.0000e-005	8.7000e-004	2.2000e-004	6.0000e-005	2.8000e-004	0.0000	3.7562	3.7562	2.0000e-004	0.0000	3.7612
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.1000e-004	6.1800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4738	1.4738	4.0000e-005	0.0000	1.4748
<b>Total</b>	<b>1.2600e-003</b>	<b>0.0164</b>	<b>9.2000e-003</b>	<b>6.0000e-005</b>	<b>2.3900e-003</b>	<b>7.0000e-005</b>	<b>2.4600e-003</b>	<b>6.4000e-004</b>	<b>7.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>5.2299</b>	<b>5.2299</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>5.2360</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.2 Demolition - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7000e-003	0.0000	4.7000e-003	7.1000e-004	0.0000	7.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5700e-003	0.0545	0.2177	3.1000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	27.7778	27.7778	6.1300e-003	0.0000	27.9311
<b>Total</b>	<b>4.5700e-003</b>	<b>0.0545</b>	<b>0.2177</b>	<b>3.1000e-004</b>	<b>4.7000e-003</b>	<b>4.7000e-004</b>	<b>5.1700e-003</b>	<b>7.1000e-004</b>	<b>4.7000e-004</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>27.7778</b>	<b>27.7778</b>	<b>6.1300e-003</b>	<b>0.0000</b>	<b>27.9311</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6000e-004	0.0158	3.0200e-003	4.0000e-005	8.1000e-004	6.0000e-005	8.7000e-004	2.2000e-004	6.0000e-005	2.8000e-004	0.0000	3.7562	3.7562	2.0000e-004	0.0000	3.7612
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.1000e-004	6.1800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4738	1.4738	4.0000e-005	0.0000	1.4748
<b>Total</b>	<b>1.2600e-003</b>	<b>0.0164</b>	<b>9.2000e-003</b>	<b>6.0000e-005</b>	<b>2.3900e-003</b>	<b>7.0000e-005</b>	<b>2.4600e-003</b>	<b>6.4000e-004</b>	<b>7.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>5.2299</b>	<b>5.2299</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>5.2360</b>



First Street Green Project - Bay Area AQMD Air District, Annual

**3.3 Site Preparation - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.2362	0.1275	2.5000e-004		9.5400e-003	9.5400e-003		8.7800e-003	8.7800e-003	0.0000	22.3931	22.3931	6.9700e-003	0.0000	22.5674
<b>Total</b>	<b>0.0190</b>	<b>0.2362</b>	<b>0.1275</b>	<b>2.5000e-004</b>	<b>2.3900e-003</b>	<b>9.5400e-003</b>	<b>0.0119</b>	<b>2.6000e-004</b>	<b>8.7800e-003</b>	<b>9.0400e-003</b>	<b>0.0000</b>	<b>22.3931</b>	<b>22.3931</b>	<b>6.9700e-003</b>	<b>0.0000</b>	<b>22.5674</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.5000e-004	2.4700e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5895	0.5895	2.0000e-005	0.0000	0.5899
<b>Total</b>	<b>3.2000e-004</b>	<b>2.5000e-004</b>	<b>2.4700e-003</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>6.4000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.5895</b>	<b>0.5895</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5899</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.3 Site Preparation - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0700e-003	0.0000	1.0700e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6800e-003	0.1049	0.1364	2.5000e-004		6.3000e-004	6.3000e-004		6.3000e-004	6.3000e-004	0.0000	22.3930	22.3930	6.9700e-003	0.0000	22.5673
<b>Total</b>	<b>5.6800e-003</b>	<b>0.1049</b>	<b>0.1364</b>	<b>2.5000e-004</b>	<b>1.0700e-003</b>	<b>6.3000e-004</b>	<b>1.7000e-003</b>	<b>1.2000e-004</b>	<b>6.3000e-004</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>22.3930</b>	<b>22.3930</b>	<b>6.9700e-003</b>	<b>0.0000</b>	<b>22.5673</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.5000e-004	2.4700e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5895	0.5895	2.0000e-005	0.0000	0.5899
<b>Total</b>	<b>3.2000e-004</b>	<b>2.5000e-004</b>	<b>2.4700e-003</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>6.4000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.5895</b>	<b>0.5895</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5899</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.4900e-003	0.0000	5.4900e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0148	0.1759	0.0901	1.8000e-004		8.3700e-003	8.3700e-003		7.7000e-003	7.7000e-003	0.0000	16.5647	16.5647	5.1600e-003	0.0000	16.6936
<b>Total</b>	<b>0.0148</b>	<b>0.1759</b>	<b>0.0901</b>	<b>1.8000e-004</b>	<b>5.4900e-003</b>	<b>8.3700e-003</b>	<b>0.0139</b>	<b>7.6000e-004</b>	<b>7.7000e-003</b>	<b>8.4600e-003</b>	<b>0.0000</b>	<b>16.5647</b>	<b>16.5647</b>	<b>5.1600e-003</b>	<b>0.0000</b>	<b>16.6936</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0414	1.4221	0.2711	3.4900e-003	0.0728	5.6500e-003	0.0785	0.0200	5.4000e-003	0.0254	0.0000	337.4695	337.4695	0.0179	0.0000	337.9165
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.7000e-004	3.7100e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8843	0.8843	3.0000e-005	0.0000	0.8849
<b>Total</b>	<b>0.0418</b>	<b>1.4225</b>	<b>0.2748</b>	<b>3.5000e-003</b>	<b>0.0738</b>	<b>5.6600e-003</b>	<b>0.0794</b>	<b>0.0203</b>	<b>5.4100e-003</b>	<b>0.0257</b>	<b>0.0000</b>	<b>338.3537</b>	<b>338.3537</b>	<b>0.0179</b>	<b>0.0000</b>	<b>338.8014</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4700e-003	0.0000	2.4700e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4300e-003	0.0514	0.1142	1.8000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	16.5646	16.5646	5.1600e-003	0.0000	16.6936
<b>Total</b>	<b>3.4300e-003</b>	<b>0.0514</b>	<b>0.1142</b>	<b>1.8000e-004</b>	<b>2.4700e-003</b>	<b>4.0000e-004</b>	<b>2.8700e-003</b>	<b>3.4000e-004</b>	<b>4.0000e-004</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>16.5646</b>	<b>16.5646</b>	<b>5.1600e-003</b>	<b>0.0000</b>	<b>16.6936</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0414	1.4221	0.2711	3.4900e-003	0.0728	5.6500e-003	0.0785	0.0200	5.4000e-003	0.0254	0.0000	337.4695	337.4695	0.0179	0.0000	337.9165
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.7000e-004	3.7100e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8843	0.8843	3.0000e-005	0.0000	0.8849
<b>Total</b>	<b>0.0418</b>	<b>1.4225</b>	<b>0.2748</b>	<b>3.5000e-003</b>	<b>0.0738</b>	<b>5.6600e-003</b>	<b>0.0794</b>	<b>0.0203</b>	<b>5.4100e-003</b>	<b>0.0257</b>	<b>0.0000</b>	<b>338.3537</b>	<b>338.3537</b>	<b>0.0179</b>	<b>0.0000</b>	<b>338.8014</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1293	0.9603	0.6775	1.1500e-003		0.0551	0.0551		0.0530	0.0530	0.0000	97.2763	97.2763	0.0194	0.0000	97.7608
<b>Total</b>	<b>0.1293</b>	<b>0.9603</b>	<b>0.6775</b>	<b>1.1500e-003</b>		<b>0.0551</b>	<b>0.0551</b>		<b>0.0530</b>	<b>0.0530</b>	<b>0.0000</b>	<b>97.2763</b>	<b>97.2763</b>	<b>0.0194</b>	<b>0.0000</b>	<b>97.7608</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0400e-003	0.1540	0.0409	3.2000e-004	7.5400e-003	1.1800e-003	8.7200e-003	2.1800e-003	1.1300e-003	3.3100e-003	0.0000	30.4968	30.4968	1.7600e-003	0.0000	30.5407
Worker	0.0102	7.7900e-003	0.0785	2.1000e-004	0.0201	1.4000e-004	0.0202	5.3400e-003	1.3000e-004	5.4700e-003	0.0000	18.7241	18.7241	5.5000e-004	0.0000	18.7379
<b>Total</b>	<b>0.0163</b>	<b>0.1618</b>	<b>0.1194</b>	<b>5.3000e-004</b>	<b>0.0276</b>	<b>1.3200e-003</b>	<b>0.0289</b>	<b>7.5200e-003</b>	<b>1.2600e-003</b>	<b>8.7800e-003</b>	<b>0.0000</b>	<b>49.2209</b>	<b>49.2209</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>49.2786</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0201	0.4874	0.6827	1.1500e-003		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	97.2761	97.2761	0.0194	0.0000	97.7607
<b>Total</b>	<b>0.0201</b>	<b>0.4874</b>	<b>0.6827</b>	<b>1.1500e-003</b>		<b>2.3700e-003</b>	<b>2.3700e-003</b>		<b>2.3700e-003</b>	<b>2.3700e-003</b>	<b>0.0000</b>	<b>97.2761</b>	<b>97.2761</b>	<b>0.0194</b>	<b>0.0000</b>	<b>97.7607</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0400e-003	0.1540	0.0409	3.2000e-004	7.5400e-003	1.1800e-003	8.7200e-003	2.1800e-003	1.1300e-003	3.3100e-003	0.0000	30.4968	30.4968	1.7600e-003	0.0000	30.5407
Worker	0.0102	7.7900e-003	0.0785	2.1000e-004	0.0201	1.4000e-004	0.0202	5.3400e-003	1.3000e-004	5.4700e-003	0.0000	18.7241	18.7241	5.5000e-004	0.0000	18.7379
<b>Total</b>	<b>0.0163</b>	<b>0.1618</b>	<b>0.1194</b>	<b>5.3000e-004</b>	<b>0.0276</b>	<b>1.3200e-003</b>	<b>0.0289</b>	<b>7.5200e-003</b>	<b>1.2600e-003</b>	<b>8.7800e-003</b>	<b>0.0000</b>	<b>49.2209</b>	<b>49.2209</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>49.2786</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1681	1.2943	0.9688	1.7000e-003		0.0708	0.0708		0.0681	0.0681	0.0000	142.9420	142.9420	0.0274	0.0000	143.6270
<b>Total</b>	<b>0.1681</b>	<b>1.2943</b>	<b>0.9688</b>	<b>1.7000e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0681</b>	<b>0.0681</b>	<b>0.0000</b>	<b>142.9420</b>	<b>142.9420</b>	<b>0.0274</b>	<b>0.0000</b>	<b>143.6270</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0400e-003	0.2153	0.0553	4.7000e-004	0.0112	1.4800e-003	0.0126	3.2300e-003	1.4200e-003	4.6400e-003	0.0000	44.8124	44.8124	2.4800e-003	0.0000	44.8744
Worker	0.0136	0.0101	0.1030	3.0000e-004	0.0297	2.0000e-004	0.0299	7.9000e-003	1.9000e-004	8.0900e-003	0.0000	26.8682	26.8682	7.2000e-004	0.0000	26.8862
<b>Total</b>	<b>0.0217</b>	<b>0.2254</b>	<b>0.1582</b>	<b>7.7000e-004</b>	<b>0.0409</b>	<b>1.6800e-003</b>	<b>0.0425</b>	<b>0.0111</b>	<b>1.6100e-003</b>	<b>0.0127</b>	<b>0.0000</b>	<b>71.6806</b>	<b>71.6806</b>	<b>3.2000e-003</b>	<b>0.0000</b>	<b>71.7607</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0298	0.7211	1.0099	1.7000e-003		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	142.9419	142.9419	0.0274	0.0000	143.6268
<b>Total</b>	<b>0.0298</b>	<b>0.7211</b>	<b>1.0099</b>	<b>1.7000e-003</b>		<b>3.5100e-003</b>	<b>3.5100e-003</b>		<b>3.5100e-003</b>	<b>3.5100e-003</b>	<b>0.0000</b>	<b>142.9419</b>	<b>142.9419</b>	<b>0.0274</b>	<b>0.0000</b>	<b>143.6268</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0400e-003	0.2153	0.0553	4.7000e-004	0.0112	1.4800e-003	0.0126	3.2300e-003	1.4200e-003	4.6400e-003	0.0000	44.8124	44.8124	2.4800e-003	0.0000	44.8744
Worker	0.0136	0.0101	0.1030	3.0000e-004	0.0297	2.0000e-004	0.0299	7.9000e-003	1.9000e-004	8.0900e-003	0.0000	26.8682	26.8682	7.2000e-004	0.0000	26.8862
<b>Total</b>	<b>0.0217</b>	<b>0.2254</b>	<b>0.1582</b>	<b>7.7000e-004</b>	<b>0.0409</b>	<b>1.6800e-003</b>	<b>0.0425</b>	<b>0.0111</b>	<b>1.6100e-003</b>	<b>0.0127</b>	<b>0.0000</b>	<b>71.6806</b>	<b>71.6806</b>	<b>3.2000e-003</b>	<b>0.0000</b>	<b>71.7607</b>



First Street Green Project - Bay Area AQMD Air District, Annual

**3.6 Site Utilities - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0583	0.5924	0.3538	5.6000e-004		0.0338	0.0338		0.0311	0.0311	0.0000	50.9536	50.9536	0.0157	0.0000	51.3461
<b>Total</b>	<b>0.0583</b>	<b>0.5924</b>	<b>0.3538</b>	<b>5.6000e-004</b>		<b>0.0338</b>	<b>0.0338</b>		<b>0.0311</b>	<b>0.0311</b>	<b>0.0000</b>	<b>50.9536</b>	<b>50.9536</b>	<b>0.0157</b>	<b>0.0000</b>	<b>51.3461</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5100e-003	1.1500e-003	0.0116	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.7633	2.7633	8.0000e-005	0.0000	2.7653
<b>Total</b>	<b>1.5100e-003</b>	<b>1.1500e-003</b>	<b>0.0116</b>	<b>3.0000e-005</b>	<b>2.9600e-003</b>	<b>2.0000e-005</b>	<b>2.9800e-003</b>	<b>7.9000e-004</b>	<b>2.0000e-005</b>	<b>8.1000e-004</b>	<b>0.0000</b>	<b>2.7633</b>	<b>2.7633</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>2.7653</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.6 Site Utilities - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0363	0.4234	0.3635	5.6000e-004		0.0164	0.0164		0.0151	0.0151	0.0000	50.9536	50.9536	0.0157	0.0000	51.3461
<b>Total</b>	<b>0.0363</b>	<b>0.4234</b>	<b>0.3635</b>	<b>5.6000e-004</b>		<b>0.0164</b>	<b>0.0164</b>		<b>0.0151</b>	<b>0.0151</b>	<b>0.0000</b>	<b>50.9536</b>	<b>50.9536</b>	<b>0.0157</b>	<b>0.0000</b>	<b>51.3461</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5100e-003	1.1500e-003	0.0116	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.7633	2.7633	8.0000e-005	0.0000	2.7653
<b>Total</b>	<b>1.5100e-003</b>	<b>1.1500e-003</b>	<b>0.0116</b>	<b>3.0000e-005</b>	<b>2.9600e-003</b>	<b>2.0000e-005</b>	<b>2.9800e-003</b>	<b>7.9000e-004</b>	<b>2.0000e-005</b>	<b>8.1000e-004</b>	<b>0.0000</b>	<b>2.7633</b>	<b>2.7633</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>2.7653</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.7 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0237	0.2440	0.2309	3.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	30.7668	30.7668	9.7300e-003	0.0000	31.0101
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0237</b>	<b>0.2440</b>	<b>0.2309</b>	<b>3.4000e-004</b>		<b>0.0143</b>	<b>0.0143</b>		<b>0.0132</b>	<b>0.0132</b>	<b>0.0000</b>	<b>30.7668</b>	<b>30.7668</b>	<b>9.7300e-003</b>	<b>0.0000</b>	<b>31.0101</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	7.0000e-004	7.1200e-003	2.0000e-005	2.0500e-003	1.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.8584	1.8584	5.0000e-005	0.0000	1.8597
<b>Total</b>	<b>9.4000e-004</b>	<b>7.0000e-004</b>	<b>7.1200e-003</b>	<b>2.0000e-005</b>	<b>2.0500e-003</b>	<b>1.0000e-005</b>	<b>2.0700e-003</b>	<b>5.5000e-004</b>	<b>1.0000e-005</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>1.8584</b>	<b>1.8584</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8597</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.7 Paving - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.6700e-003	0.1370	0.2595	3.4000e-004		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	30.7667	30.7667	9.7300e-003	0.0000	31.0101
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.6700e-003</b>	<b>0.1370</b>	<b>0.2595</b>	<b>3.4000e-004</b>		<b>1.1900e-003</b>	<b>1.1900e-003</b>		<b>1.1900e-003</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>30.7667</b>	<b>30.7667</b>	<b>9.7300e-003</b>	<b>0.0000</b>	<b>31.0101</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	7.0000e-004	7.1200e-003	2.0000e-005	2.0500e-003	1.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.8584	1.8584	5.0000e-005	0.0000	1.8597
<b>Total</b>	<b>9.4000e-004</b>	<b>7.0000e-004</b>	<b>7.1200e-003</b>	<b>2.0000e-005</b>	<b>2.0500e-003</b>	<b>1.0000e-005</b>	<b>2.0700e-003</b>	<b>5.5000e-004</b>	<b>1.0000e-005</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>1.8584</b>	<b>1.8584</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8597</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.8 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1100e-003	0.0489	0.0491	8.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	6.8087	6.8087	5.8000e-004	0.0000	6.8231
<b>Total</b>	<b>0.4326</b>	<b>0.0489</b>	<b>0.0491</b>	<b>8.0000e-005</b>		<b>3.4300e-003</b>	<b>3.4300e-003</b>		<b>3.4300e-003</b>	<b>3.4300e-003</b>	<b>0.0000</b>	<b>6.8087</b>	<b>6.8087</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>6.8231</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.3000e-004	4.3800e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	1.1436	1.1436	3.0000e-005	0.0000	1.1444
<b>Total</b>	<b>5.8000e-004</b>	<b>4.3000e-004</b>	<b>4.3800e-003</b>	<b>1.0000e-005</b>	<b>1.2600e-003</b>	<b>1.0000e-005</b>	<b>1.2700e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1436</b>	<b>1.1436</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1444</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.8 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5800e-003	0.0362	0.0489	8.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	6.8087	6.8087	5.8000e-004	0.0000	6.8231
<b>Total</b>	<b>0.4270</b>	<b>0.0362</b>	<b>0.0489</b>	<b>8.0000e-005</b>		<b>3.8000e-004</b>	<b>3.8000e-004</b>		<b>3.8000e-004</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>6.8087</b>	<b>6.8087</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>6.8231</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.3000e-004	4.3800e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	1.1436	1.1436	3.0000e-005	0.0000	1.1444
<b>Total</b>	<b>5.8000e-004</b>	<b>4.3000e-004</b>	<b>4.3800e-003</b>	<b>1.0000e-005</b>	<b>1.2600e-003</b>	<b>1.0000e-005</b>	<b>1.2700e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1436</b>	<b>1.1436</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1444</b>

**4.0 Operational Detail - Mobile**

First Street Green Project - Bay Area AQMD Air District, Annual

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248
Unmitigated	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	1,175.20	1,667.20	868.80	2,871,800	2,871,800
Total	1,175.20	1,667.20	868.80	2,871,800	2,871,800

**4.3 Trip Type Information**

First Street Green Project - Bay Area AQMD Air District, Annual

Land Use	Miles							Trip %			Trip Purpose %
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by		
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6		
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0		
Fast Food Restaurant w/o Drive Thru	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12		
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4		

4.4 Fleet Mix

Land Use	LDA	LD1	LD2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
Enclosed Parking Structure	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
Fast Food Restaurant w/o Drive Thru	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
General Office Building	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24



First Street Green Project - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	302.9088	302.9088	0.0206	4.2600e-003	304.6915
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	308.5163	308.5163	0.0210	4.3400e-003	310.3320
NaturalGas Mitigated	7.8000e-003	0.0710	0.0596	4.3000e-004		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003	0.0000	77.2376	77.2376	1.4800e-003	1.4200e-003	77.6966
NaturalGas Unmitigated	8.1700e-003	0.0743	0.0624	4.5000e-004		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	0.0000	80.8917	80.8917	1.5500e-003	1.4800e-003	81.3724

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	199853	1.0800e-003	9.8000e-003	8.2300e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.6649	10.6649	2.0000e-004	2.0000e-004	10.7283
General Office Building	1.316e+006	7.1000e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	70.2268	70.2268	1.3500e-003	1.2900e-003	70.6441
<b>Total</b>		<b>8.1800e-003</b>	<b>0.0743</b>	<b>0.0624</b>	<b>4.5000e-004</b>		<b>5.6400e-003</b>	<b>5.6400e-003</b>		<b>5.6400e-003</b>	<b>5.6400e-003</b>	<b>0.0000</b>	<b>80.8917</b>	<b>80.8917</b>	<b>1.5500e-003</b>	<b>1.4900e-003</b>	<b>81.3724</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	196939	1.0600e-003	9.6500e-003	8.1100e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5094	10.5094	2.0000e-004	1.9000e-004	10.5719
General Office Building	1.25044e+006	6.7400e-003	0.0613	0.0515	3.7000e-004		4.6600e-003	4.6600e-003		4.6600e-003	4.6600e-003	0.0000	66.7282	66.7282	1.2800e-003	1.2200e-003	67.1248
<b>Total</b>		<b>7.8000e-003</b>	<b>0.0710</b>	<b>0.0596</b>	<b>4.3000e-004</b>		<b>5.3900e-003</b>	<b>5.3900e-003</b>		<b>5.3900e-003</b>	<b>5.3900e-003</b>	<b>0.0000</b>	<b>77.2376</b>	<b>77.2376</b>	<b>1.4800e-003</b>	<b>1.4100e-003</b>	<b>77.6966</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	103490	20.0444	1.3600e-003	2.8000e-004	20.1623
Fast Food Restaurant w/o Drive Thru	31795.2	6.1582	4.2000e-004	9.0000e-005	6.1945
General Office Building	1.4576e+006	282.3137	0.0192	3.9700e-003	283.9752
<b>Total</b>		<b>308.5163</b>	<b>0.0210</b>	<b>4.3400e-003</b>	<b>310.3320</b>

## First Street Green Project - Bay Area AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	100393	19.4446	1.3200e-003	2.7000e-004	19.5590
Fast Food Restaurant w/o Drive Thru	31540.3	6.1089	4.1000e-004	9.0000e-005	6.1448
General Office Building	1.432e+006	277.3554	0.0188	3.9000e-003	278.9877
<b>Total</b>		<b>302.9088</b>	<b>0.0206</b>	<b>4.2600e-003</b>	<b>304.6915</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

First Street Green Project - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
Unmitigated	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
<b>Total</b>	<b>0.3601</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.7400e-003</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8500e-003</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
<b>Total</b>	<b>0.3601</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.7400e-003</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8500e-003</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

First Street Green Project - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.1425	0.4743	0.0115	41.4164
Unmitigated	26.1425	0.4743	0.0115	41.4164

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.607655	0.4119	3.0000e-005	1.0000e-005	0.4144
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.291392 / 0.0185995	0.4104	9.5200e-003	2.3000e-004	0.7165
General Office Building	14.2187 / 8.71469	25.3201	0.4647	0.0112	40.2856
<b>Total</b>		<b>26.1425</b>	<b>0.4743</b>	<b>0.0115</b>	<b>41.4164</b>

## First Street Green Project - Bay Area AQMD Air District, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.607655	0.4119	3.0000e-005	1.0000e-005	0.4144
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.291392 / 0.0185995	0.4104	9.5200e-003	2.3000e-004	0.7165
General Office Building	14.2187 / 8.71469	25.3201	0.4647	0.0112	40.2856
<b>Total</b>		<b>26.1425</b>	<b>0.4743</b>	<b>0.0115</b>	<b>41.4164</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**



First Street Green Project - Bay Area AQMD Air District, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.3557	1.0257	0.0000	42.9981
Unmitigated	17.3557	1.0257	0.0000	42.9981

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	11.06	2.2451	0.1327	0.0000	5.5621
General Office Building	74.4	15.1025	0.8925	0.0000	37.4159
<b>Total</b>		<b>17.3557</b>	<b>1.0257</b>	<b>0.0000</b>	<b>42.9981</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	11.06	2.2451	0.1327	0.0000	5.5621
General Office Building	74.4	15.1025	0.8925	0.0000	37.4159
<b>Total</b>		<b>17.3557</b>	<b>1.0257</b>	<b>0.0000</b>	<b>42.9981</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

First Street Green Project - Bay Area AQMD Air District, Annual

Equipment Type	Number
----------------	--------

## 11.0 Vegetation

---

**CalEEMod Output Sheets – Mitigated Project Applicant Construction Equipment List with Interim Tier 4 Construction Equipment**

First Street Green Project - Bay Area AQMD Air District, Annual

**First Street Green Project - with Tier 4 Construction Equipment**  
**Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	80.00	1000sqft	1.84	80,000.00	0
Enclosed Parking Structure	15.80	1000sqft	0.36	15,800.00	0
City Park	0.51	Acre	0.51	22,000.00	0
Fast Food Restaurant w/o Drive Thru	0.96	1000sqft	0.02	960.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2020
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	427	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



First Street Green Project - Bay Area AQMD Air District, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	220.00	300.00

## First Street Green Project - Bay Area AQMD Air District, Annual

tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	3.00	20.00
tblFleetMix	FleetMixLandUseSubType	General Office Building	City Park
tblFleetMix	FleetMixLandUseSubType	City Park	Fast Food Restaurant w/o Drive Thru
tblFleetMix	FleetMixLandUseSubType	Fast Food Restaurant w/o Drive Thru	General Office Building
tblGrading	AcresOfGrading	15.00	3.00
tblGrading	AcresOfGrading	30.00	4.50
tblGrading	MaterialExported	0.00	69,000.00
tblLandUse	GreenSpaceSquareFeet	22,215.60	22,000.00
tblLandUse	LandUseSquareFeet	22,215.60	22,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	427
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	HaulingTripNumber	97.00	96.00
tblVehicleEF	HHD	0.62	0.69
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.12	0.17
tblVehicleEF	HHD	2.70	3.14



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	1.02	1.06
tblVehicleEF	HHD	3.42	4.15
tblVehicleEF	HHD	4,628.81	4,578.45
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	22.72	25.19
tblVehicleEF	HHD	4.49	5.21
tblVehicleEF	HHD	19.70	19.70
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	9.5000e-005	1.4500e-004
tblVehicleEF	HHD	5.8140e-003	0.01
tblVehicleEF	HHD	0.69	0.81
tblVehicleEF	HHD	6.0000e-005	8.7000e-005
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.2500e-004	8.9800e-004
tblVehicleEF	HHD	0.11	0.17
tblVehicleEF	HHD	0.04	0.04

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5800e-004	1.8900e-004
tblVehicleEF	HHD	9.5000e-005	1.4500e-004
tblVehicleEF	HHD	5.8140e-003	0.01
tblVehicleEF	HHD	0.79	0.93
tblVehicleEF	HHD	6.0000e-005	8.7000e-005
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.2500e-004	8.9800e-004
tblVehicleEF	HHD	0.13	0.19
tblVehicleEF	HHD	0.59	0.65
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.11	0.16
tblVehicleEF	HHD	1.97	2.29
tblVehicleEF	HHD	1.03	1.06
tblVehicleEF	HHD	3.13	3.83
tblVehicleEF	HHD	4,901.04	4,845.90
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	23.44	25.99
tblVehicleEF	HHD	4.32	5.01
tblVehicleEF	HHD	19.68	19.67
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	2.3700e-004	3.7600e-004
tblVehicleEF	HHD	6.3260e-003	0.01
tblVehicleEF	HHD	0.65	0.76
tblVehicleEF	HHD	1.4400e-004	2.2400e-004
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.1700e-004	8.9300e-004
tblVehicleEF	HHD	0.11	0.16
tblVehicleEF	HHD	0.05	0.05
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.5400e-004	1.8300e-004
tblVehicleEF	HHD	2.3700e-004	3.7600e-004
tblVehicleEF	HHD	6.3260e-003	0.01
tblVehicleEF	HHD	0.75	0.88
tblVehicleEF	HHD	1.4400e-004	2.2400e-004
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.1700e-004	8.9300e-004
tblVehicleEF	HHD	0.12	0.17
tblVehicleEF	HHD	0.67	0.74
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.13	0.19
tblVehicleEF	HHD	3.71	4.30
tblVehicleEF	HHD	1.01	1.05

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	3.69	4.49
tblVehicleEF	HHD	4,252.86	4,209.10
tblVehicleEF	HHD	1,675.61	1,718.24
tblVehicleEF	HHD	10.11	11.80
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	21.72	24.09
tblVehicleEF	HHD	4.56	5.29
tblVehicleEF	HHD	19.72	19.72
tblVehicleEF	HHD	0.03	0.05
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.1600e-004	2.6900e-004
tblVehicleEF	HHD	0.03	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8050e-003	8.8040e-003
tblVehicleEF	HHD	0.02	0.03
tblVehicleEF	HHD	1.0700e-004	2.5300e-004
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	6.3370e-003	0.01
tblVehicleEF	HHD	0.74	0.87
tblVehicleEF	HHD	2.6000e-005	3.4000e-005
tblVehicleEF	HHD	0.15	0.17
tblVehicleEF	HHD	5.7900e-004	9.8000e-004
tblVehicleEF	HHD	0.12	0.18
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	HHD	1.6300e-004	1.9400e-004
tblVehicleEF	HHD	4.1000e-005	5.8000e-005
tblVehicleEF	HHD	6.3370e-003	0.01
tblVehicleEF	HHD	0.86	1.00
tblVehicleEF	HHD	2.6000e-005	3.4000e-005
tblVehicleEF	HHD	0.22	0.24
tblVehicleEF	HHD	5.7900e-004	9.8000e-004
tblVehicleEF	HHD	0.13	0.20
tblVehicleEF	LDA	4.9090e-003	6.2350e-003
tblVehicleEF	LDA	7.8890e-003	0.01
tblVehicleEF	LDA	0.63	0.77
tblVehicleEF	LDA	1.59	2.05
tblVehicleEF	LDA	271.43	291.94
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.06	0.08
tblVehicleEF	LDA	0.10	0.14
tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.12	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.11	0.15

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDA	2.7180e-003	2.9260e-003
tblVehicleEF	LDA	6.4300e-004	6.9000e-004
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.12	0.15
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.12	0.16
tblVehicleEF	LDA	5.4630e-003	6.9190e-003
tblVehicleEF	LDA	6.4710e-003	8.9460e-003
tblVehicleEF	LDA	0.74	0.90
tblVehicleEF	LDA	1.24	1.61
tblVehicleEF	LDA	292.85	314.97
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.05	0.07
tblVehicleEF	LDA	0.09	0.12
tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.14	0.17
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.09	0.12

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDA	2.9340e-003	3.1570e-003
tblVehicleEF	LDA	6.3700e-004	6.8200e-004
tblVehicleEF	LDA	0.09	0.11
tblVehicleEF	LDA	0.14	0.17
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.10	0.13
tblVehicleEF	LDA	4.8040e-003	6.1180e-003
tblVehicleEF	LDA	8.9430e-003	0.01
tblVehicleEF	LDA	0.62	0.76
tblVehicleEF	LDA	1.86	2.40
tblVehicleEF	LDA	268.77	289.10
tblVehicleEF	LDA	61.58	65.36
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	0.07	0.08
tblVehicleEF	LDA	0.11	0.15
tblVehicleEF	LDA	1.8480e-003	1.8840e-003
tblVehicleEF	LDA	2.3430e-003	2.4120e-003
tblVehicleEF	LDA	1.7050e-003	1.7400e-003
tblVehicleEF	LDA	2.1540e-003	2.2190e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.12	0.17

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDA	2.6920e-003	2.8970e-003
tblVehicleEF	LDA	6.4800e-004	6.9600e-004
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.13	0.16
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.05	0.06
tblVehicleEF	LDA	0.13	0.18
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	1.27	1.66
tblVehicleEF	LDT1	3.40	4.32
tblVehicleEF	LDT1	328.14	345.44
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.13	0.17
tblVehicleEF	LDT1	0.19	0.25
tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.09	0.11
tblVehicleEF	LDT1	0.27	0.31
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.21
tblVehicleEF	LDT1	0.23	0.31



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT1	3.2960e-003	3.4760e-003
tblVehicleEF	LDT1	8.0100e-004	8.5000e-004
tblVehicleEF	LDT1	0.09	0.11
tblVehicleEF	LDT1	0.27	0.31
tblVehicleEF	LDT1	0.08	0.09
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.18	0.21
tblVehicleEF	LDT1	0.26	0.34
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	0.01	0.02
tblVehicleEF	LDT1	1.47	1.89
tblVehicleEF	LDT1	2.62	3.34
tblVehicleEF	LDT1	352.76	371.19
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.12	0.15
tblVehicleEF	LDT1	0.17	0.22
tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.23	0.28
tblVehicleEF	LDT1	0.30	0.36
tblVehicleEF	LDT1	0.17	0.20
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.19	0.25

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT1	3.5450e-003	3.7360e-003
tblVehicleEF	LDT1	7.8700e-004	8.3200e-004
tblVehicleEF	LDT1	0.23	0.28
tblVehicleEF	LDT1	0.30	0.36
tblVehicleEF	LDT1	0.17	0.20
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.16	0.19
tblVehicleEF	LDT1	0.21	0.28
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	1.27	1.66
tblVehicleEF	LDT1	4.00	5.08
tblVehicleEF	LDT1	325.17	342.33
tblVehicleEF	LDT1	74.12	77.29
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.15	0.19
tblVehicleEF	LDT1	0.21	0.27
tblVehicleEF	LDT1	2.5120e-003	2.8090e-003
tblVehicleEF	LDT1	3.3770e-003	3.8190e-003
tblVehicleEF	LDT1	2.3130e-003	2.5900e-003
tblVehicleEF	LDT1	3.1060e-003	3.5170e-003
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.29	0.34
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.27	0.36

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT1	3.2670e-003	3.4450e-003
tblVehicleEF	LDT1	8.1100e-004	8.6300e-004
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.29	0.34
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.04	0.06
tblVehicleEF	LDT1	0.22	0.26
tblVehicleEF	LDT1	0.29	0.39
tblVehicleEF	LDT2	6.2630e-003	7.7980e-003
tblVehicleEF	LDT2	9.2100e-003	0.01
tblVehicleEF	LDT2	0.78	0.95
tblVehicleEF	LDT2	1.91	2.45
tblVehicleEF	LDT2	373.37	395.49
tblVehicleEF	LDT2	84.63	89.06
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.09	0.12
tblVehicleEF	LDT2	0.16	0.22
tblVehicleEF	LDT2	1.7000e-003	1.6510e-003
tblVehicleEF	LDT2	2.2550e-003	2.2360e-003
tblVehicleEF	LDT2	1.5630e-003	1.5190e-003
tblVehicleEF	LDT2	2.0740e-003	2.0580e-003
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.12	0.17

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT2	3.7390e-003	3.9630e-003
tblVehicleEF	LDT2	8.7900e-004	9.3300e-004
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.12	0.14
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.14	0.18
tblVehicleEF	LDT2	6.9560e-003	8.6270e-003
tblVehicleEF	LDT2	7.5690e-003	0.01
tblVehicleEF	LDT2	0.91	1.11
tblVehicleEF	LDT2	1.49	1.91
tblVehicleEF	LDT2	401.90	425.72
tblVehicleEF	LDT2	84.63	89.06
tblVehicleEF	LDT2	0.19	0.19
tblVehicleEF	LDT2	0.08	0.10
tblVehicleEF	LDT2	0.14	0.19
tblVehicleEF	LDT2	1.7000e-003	1.6510e-003
tblVehicleEF	LDT2	2.2550e-003	2.2360e-003
tblVehicleEF	LDT2	1.5630e-003	1.5190e-003
tblVehicleEF	LDT2	2.0740e-003	2.0580e-003
tblVehicleEF	LDT2	0.10	0.11
tblVehicleEF	LDT2	0.14	0.16
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.10	0.14

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LD12	4.0260e-003	4.2670e-003
tbVehicleEF	LD12	8.7100e-004	9.2400e-004
tbVehicleEF	LD12	0.10	0.11
tbVehicleEF	LD12	0.14	0.16
tbVehicleEF	LD12	0.08	0.09
tbVehicleEF	LD12	0.03	0.03
tbVehicleEF	LD12	0.07	0.07
tbVehicleEF	LD12	0.11	0.15
tbVehicleEF	LD12	6.1220e-003	7.6450e-003
tbVehicleEF	LD12	0.01	0.01
tbVehicleEF	LD12	0.77	0.95
tbVehicleEF	LD12	2.23	2.87
tbVehicleEF	LD12	369.93	391.84
tbVehicleEF	LD12	84.63	89.06
tbVehicleEF	LD12	0.19	0.19
tbVehicleEF	LD12	0.10	0.13
tbVehicleEF	LD12	0.17	0.24
tbVehicleEF	LD12	1.7000e-003	1.6510e-003
tbVehicleEF	LD12	2.2550e-003	2.2360e-003
tbVehicleEF	LD12	1.5630e-003	1.5190e-003
tbVehicleEF	LD12	2.0740e-003	2.0580e-003
tbVehicleEF	LD12	0.02	0.02
tbVehicleEF	LD12	0.13	0.15
tbVehicleEF	LD12	0.02	0.02
tbVehicleEF	LD12	0.02	0.02
tbVehicleEF	LD12	0.09	0.10
tbVehicleEF	LD12	0.14	0.19

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LDT2	3.7050e-003	3.9270e-003
tblVehicleEF	LDT2	8.8400e-004	9.4000e-004
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.13	0.15
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.09	0.10
tblVehicleEF	LDT2	0.15	0.21
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.32	1.52
tblVehicleEF	LHD1	3.04	3.38
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.63	1.86
tblVehicleEF	LHD1	1.10	1.16
tblVehicleEF	LHD1	9.0900e-004	8.8700e-004
tblVehicleEF	LHD1	9.9640e-003	9.8490e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0890e-003	1.2250e-003
tblVehicleEF	LHD1	8.7000e-004	8.4800e-004
tblVehicleEF	LHD1	2.4910e-003	2.4620e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0020e-003	1.1290e-003
tblVehicleEF	LHD1	2.5080e-003	2.5790e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.3230e-003	1.3140e-003
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.32	0.32
tblVehicleEF	LHD1	0.31	0.35
tblVehicleEF	LHD1	6.9910e-003	7.1590e-003
tblVehicleEF	LHD1	3.9200e-004	4.1300e-004
tblVehicleEF	LHD1	2.5080e-003	2.5790e-003
tblVehicleEF	LHD1	0.11	0.11
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3230e-003	1.3140e-003
tblVehicleEF	LHD1	0.18	0.19
tblVehicleEF	LHD1	0.32	0.32
tblVehicleEF	LHD1	0.34	0.38
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.35	1.55
tblVehicleEF	LHD1	2.79	3.11
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	0.08	0.08
tbVehicleEF	LHD1	1.56	1.77
tbVehicleEF	LHD1	1.02	1.08
tbVehicleEF	LHD1	9.0900e-004	8.8700e-004
tbVehicleEF	LHD1	9.9640e-003	9.8490e-003
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	1.0890e-003	1.2250e-003
tbVehicleEF	LHD1	8.7000e-004	8.4800e-004
tbVehicleEF	LHD1	2.4910e-003	2.4620e-003
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	1.0020e-003	1.1290e-003
tbVehicleEF	LHD1	6.0230e-003	6.2790e-003
tbVehicleEF	LHD1	0.12	0.12
tbVehicleEF	LHD1	0.02	0.02
tbVehicleEF	LHD1	2.8770e-003	2.9320e-003
tbVehicleEF	LHD1	0.14	0.15
tbVehicleEF	LHD1	0.31	0.31
tbVehicleEF	LHD1	0.29	0.32
tbVehicleEF	LHD1	6.9910e-003	7.1590e-003
tbVehicleEF	LHD1	3.8800e-004	4.0800e-004
tbVehicleEF	LHD1	6.0230e-003	6.2790e-003
tbVehicleEF	LHD1	0.12	0.12
tbVehicleEF	LHD1	0.03	0.03
tbVehicleEF	LHD1	2.8770e-003	2.9320e-003
tbVehicleEF	LHD1	0.18	0.20
tbVehicleEF	LHD1	0.31	0.31



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	0.32	0.36
tblVehicleEF	LHD1	6.0100e-003	6.3730e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.15	0.16
tblVehicleEF	LHD1	1.30	1.49
tblVehicleEF	LHD1	3.27	3.65
tblVehicleEF	LHD1	9.07	9.07
tblVehicleEF	LHD1	711.01	726.98
tblVehicleEF	LHD1	33.48	34.88
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	1.67	1.90
tblVehicleEF	LHD1	1.17	1.23
tblVehicleEF	LHD1	9.0900e-004	8.8700e-004
tblVehicleEF	LHD1	9.9640e-003	9.8490e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0890e-003	1.2250e-003
tblVehicleEF	LHD1	8.7000e-004	8.4800e-004
tblVehicleEF	LHD1	2.4910e-003	2.4620e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.0020e-003	1.1290e-003
tblVehicleEF	LHD1	1.0710e-003	1.0660e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	6.1100e-004	5.9300e-004
tblVehicleEF	LHD1	0.14	0.15

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.33	0.37
tblVehicleEF	LHD1	6.9900e-003	7.1580e-003
tblVehicleEF	LHD1	3.9600e-004	4.1800e-004
tblVehicleEF	LHD1	1.0710e-003	1.0660e-003
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	6.1100e-004	5.9300e-004
tblVehicleEF	LHD1	0.17	0.19
tblVehicleEF	LHD1	0.36	0.36
tblVehicleEF	LHD1	0.36	0.40
tblVehicleEF	LHD2	4.0830e-003	4.4560e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.70	0.85
tblVehicleEF	LHD2	1.49	1.80
tblVehicleEF	LHD2	14.11	14.16
tblVehicleEF	LHD2	731.41	751.30
tblVehicleEF	LHD2	25.96	27.34
tblVehicleEF	LHD2	5.3710e-003	5.3750e-003
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	1.17	1.53
tblVehicleEF	LHD2	0.58	0.67
tblVehicleEF	LHD2	1.3080e-003	1.3130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LHD2	4.9000e-004	5.8700e-004
tbVehicleEF	LHD2	1.2510e-003	1.2560e-003
tbVehicleEF	LHD2	2.6710e-003	2.6550e-003
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	4.5100e-004	5.4100e-004
tbVehicleEF	LHD2	9.6300e-004	1.1660e-003
tbVehicleEF	LHD2	0.04	0.05
tbVehicleEF	LHD2	0.01	0.02
tbVehicleEF	LHD2	5.2500e-004	6.0200e-004
tbVehicleEF	LHD2	0.12	0.13
tbVehicleEF	LHD2	0.10	0.12
tbVehicleEF	LHD2	0.14	0.17
tbVehicleEF	LHD2	1.3800e-004	1.3900e-004
tbVehicleEF	LHD2	7.1210e-003	7.3210e-003
tbVehicleEF	LHD2	2.8700e-004	3.0700e-004
tbVehicleEF	LHD2	9.6300e-004	1.1660e-003
tbVehicleEF	LHD2	0.04	0.05
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	5.2500e-004	6.0200e-004
tbVehicleEF	LHD2	0.14	0.15
tbVehicleEF	LHD2	0.10	0.12
tbVehicleEF	LHD2	0.15	0.19
tbVehicleEF	LHD2	4.0830e-003	4.4560e-003
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	9.4580e-003	0.01
tbVehicleEF	LHD2	0.13	0.13
tbVehicleEF	LHD2	0.71	0.86

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD2	1.37	1.66
tblVehicleEF	LHD2	14.11	14.16
tblVehicleEF	LHD2	731.41	751.30
tblVehicleEF	LHD2	25.96	27.34
tblVehicleEF	LHD2	5.3710e-003	5.3750e-003
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	1.13	1.47
tblVehicleEF	LHD2	0.54	0.62
tblVehicleEF	LHD2	1.3080e-003	1.3130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.9000e-004	5.8700e-004
tblVehicleEF	LHD2	1.2510e-003	1.2560e-003
tblVehicleEF	LHD2	2.6710e-003	2.6550e-003
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.5100e-004	5.4100e-004
tblVehicleEF	LHD2	2.3000e-003	2.8300e-003
tblVehicleEF	LHD2	0.05	0.06
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1340e-003	1.3360e-003
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.09	0.12
tblVehicleEF	LHD2	0.13	0.16
tblVehicleEF	LHD2	1.3800e-004	1.3900e-004
tblVehicleEF	LHD2	7.1210e-003	7.3210e-003
tblVehicleEF	LHD2	2.8500e-004	3.0400e-004
tblVehicleEF	LHD2	2.3000e-003	2.8300e-003

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	LHD2	0.05	0.06
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	1.1340e-003	1.3360e-003
tbVehicleEF	LHD2	0.14	0.16
tbVehicleEF	LHD2	0.09	0.12
tbVehicleEF	LHD2	0.14	0.18
tbVehicleEF	LHD2	4.0830e-003	4.4560e-003
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	0.13	0.13
tbVehicleEF	LHD2	0.69	0.84
tbVehicleEF	LHD2	1.59	1.93
tbVehicleEF	LHD2	14.11	14.16
tbVehicleEF	LHD2	731.41	751.30
tbVehicleEF	LHD2	25.96	27.34
tbVehicleEF	LHD2	5.3710e-003	5.3750e-003
tbVehicleEF	LHD2	0.11	0.12
tbVehicleEF	LHD2	1.20	1.56
tbVehicleEF	LHD2	0.62	0.71
tbVehicleEF	LHD2	1.3080e-003	1.3130e-003
tbVehicleEF	LHD2	0.01	0.01
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	4.9000e-004	5.8700e-004
tbVehicleEF	LHD2	1.2510e-003	1.2560e-003
tbVehicleEF	LHD2	2.6710e-003	2.6550e-003
tbVehicleEF	LHD2	0.02	0.02
tbVehicleEF	LHD2	4.5100e-004	5.4100e-004

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	LHD2	4.2900e-004	4.9800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.11	0.13
tblVehicleEF	LHD2	0.14	0.18
tblVehicleEF	LHD2	1.3800e-004	1.3900e-004
tblVehicleEF	LHD2	7.1200e-003	7.3210e-003
tblVehicleEF	LHD2	2.8900e-004	3.0900e-004
tblVehicleEF	LHD2	4.2900e-004	4.9800e-004
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	2.4700e-004	2.7500e-004
tblVehicleEF	LHD2	0.14	0.15
tblVehicleEF	LHD2	0.11	0.13
tblVehicleEF	LHD2	0.16	0.20
tblVehicleEF	MCY	0.45	0.44
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	20.92	22.11
tblVehicleEF	MCY	10.18	10.14
tblVehicleEF	MCY	172.27	170.79
tblVehicleEF	MCY	46.79	47.74
tblVehicleEF	MCY	5.9420e-003	6.0050e-003
tblVehicleEF	MCY	1.17	1.18
tblVehicleEF	MCY	0.32	0.32
tblVehicleEF	MCY	2.0050e-003	1.9200e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MCY	4.4220e-003	4.8160e-003
tblVehicleEF	MCY	1.8800e-003	1.8050e-003
tblVehicleEF	MCY	4.1820e-003	4.5650e-003
tblVehicleEF	MCY	0.83	0.84
tblVehicleEF	MCY	0.77	0.80
tblVehicleEF	MCY	0.49	0.50
tblVehicleEF	MCY	2.38	2.46
tblVehicleEF	MCY	0.67	0.72
tblVehicleEF	MCY	2.29	2.34
tblVehicleEF	MCY	2.1330e-003	2.1390e-003
tblVehicleEF	MCY	7.0200e-004	7.1200e-004
tblVehicleEF	MCY	0.83	0.84
tblVehicleEF	MCY	0.77	0.80
tblVehicleEF	MCY	0.49	0.50
tblVehicleEF	MCY	2.91	2.98
tblVehicleEF	MCY	0.67	0.72
tblVehicleEF	MCY	2.49	2.54
tblVehicleEF	MCY	0.43	0.42
tblVehicleEF	MCY	0.14	0.14
tblVehicleEF	MCY	19.84	20.90
tblVehicleEF	MCY	8.91	8.92
tblVehicleEF	MCY	172.27	170.79
tblVehicleEF	MCY	46.79	47.74
tblVehicleEF	MCY	5.9420e-003	6.0050e-003
tblVehicleEF	MCY	1.03	1.03
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.0050e-003	1.9200e-003

First Street Green Project - Bay Area AQMD Air District, Annual

4.8160e-003	4.4220e-003	MCY	tbVehicleEF
1.8050e-003	1.8800e-003	MCY	tbVehicleEF
4.5650e-003	4.1820e-003	MCY	tbVehicleEF
2.33	2.31	MCY	tbVehicleEF
1.01	0.98	MCY	tbVehicleEF
1.43	1.41	MCY	tbVehicleEF
2.33	2.27	MCY	tbVehicleEF
0.67	0.63	MCY	tbVehicleEF
1.92	1.89	MCY	tbVehicleEF
2.1160e-003	2.1130e-003	MCY	tbVehicleEF
6.7900e-004	6.6900e-004	MCY	tbVehicleEF
2.33	2.31	MCY	tbVehicleEF
1.01	0.98	MCY	tbVehicleEF
1.43	1.41	MCY	tbVehicleEF
2.84	2.79	MCY	tbVehicleEF
0.67	0.63	MCY	tbVehicleEF
2.09	2.06	MCY	tbVehicleEF
0.46	0.47	MCY	tbVehicleEF
0.20	0.20	MCY	tbVehicleEF
24.09	22.72	MCY	tbVehicleEF
11.52	11.58	MCY	tbVehicleEF
170.79	172.27	MCY	tbVehicleEF
47.74	46.79	MCY	tbVehicleEF
6.0050e-003	5.9420e-003	MCY	tbVehicleEF
1.27	1.26	MCY	tbVehicleEF
0.34	0.34	MCY	tbVehicleEF
1.9200e-003	2.0050e-003	MCY	tbVehicleEF



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MCY	4.4220e-003	4.8160e-003
tblVehicleEF	MCY	1.8800e-003	1.8050e-003
tblVehicleEF	MCY	4.1820e-003	4.5650e-003
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.93	0.97
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	2.49	2.58
tblVehicleEF	MCY	0.79	0.84
tblVehicleEF	MCY	2.67	2.73
tblVehicleEF	MCY	2.1650e-003	2.1750e-003
tblVehicleEF	MCY	7.3600e-004	7.4700e-004
tblVehicleEF	MCY	0.27	0.27
tblVehicleEF	MCY	0.93	0.97
tblVehicleEF	MCY	0.17	0.17
tblVehicleEF	MCY	3.05	3.13
tblVehicleEF	MCY	0.79	0.84
tblVehicleEF	MCY	2.90	2.97
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	1.37	1.60
tblVehicleEF	MDV	3.60	4.26
tblVehicleEF	MDV	495.13	519.40
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.18	0.22
tblVehicleEF	MDV	0.33	0.40
tblVehicleEF	MDV	1.9180e-003	1.8990e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.28	0.35
tblVehicleEF	MDV	4.9610e-003	5.2080e-003
tblVehicleEF	MDV	1.1680e-003	1.2260e-003
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.18	0.19
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.31	0.38
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	1.58	1.84
tblVehicleEF	MDV	2.82	3.35
tblVehicleEF	MDV	532.29	558.48
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.16	0.19
tblVehicleEF	MDV	0.29	0.35
tblVehicleEF	MDV	1.9180e-003	1.8990e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.23	0.28
tblVehicleEF	MDV	5.3360e-003	5.6020e-003
tblVehicleEF	MDV	1.1540e-003	1.2090e-003
tblVehicleEF	MDV	0.14	0.15
tblVehicleEF	MDV	0.20	0.21
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.25	0.31
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	1.38	1.61
tblVehicleEF	MDV	4.21	4.99
tblVehicleEF	MDV	490.55	514.56
tblVehicleEF	MDV	110.40	114.94
tblVehicleEF	MDV	0.11	0.12
tblVehicleEF	MDV	0.19	0.24
tblVehicleEF	MDV	0.35	0.44
tblVehicleEF	MDV	1.9180e-003	1.8990e-003

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MDV	2.6230e-003	2.6820e-003
tblVehicleEF	MDV	1.7690e-003	1.7530e-003
tblVehicleEF	MDV	2.4150e-003	2.4700e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.32	0.39
tblVehicleEF	MDV	4.9160e-003	5.1600e-003
tblVehicleEF	MDV	1.1790e-003	1.2390e-003
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.19	0.20
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.05	0.06
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.35	0.43
tblVehicleEF	MH	0.04	0.06
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	3.51	5.27
tblVehicleEF	MH	7.25	8.77
tblVehicleEF	MH	1,228.67	1,241.02
tblVehicleEF	MH	61.77	67.17
tblVehicleEF	MH	8.1200e-004	8.6400e-004
tblVehicleEF	MH	1.60	1.82
tblVehicleEF	MH	0.96	1.05
tblVehicleEF	MH	0.01	0.01

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	MH	0.03	0.03
tbVehicleEF	MH	1.5510e-003	2.2990e-003
tbVehicleEF	MH	3.2150e-003	3.2090e-003
tbVehicleEF	MH	0.03	0.03
tbVehicleEF	MH	1.4350e-003	2.1450e-003
tbVehicleEF	MH	0.94	1.10
tbVehicleEF	MH	0.09	0.10
tbVehicleEF	MH	0.34	0.39
tbVehicleEF	MH	0.15	0.21
tbVehicleEF	MH	0.02	0.03
tbVehicleEF	MH	0.44	0.57
tbVehicleEF	MH	0.01	0.01
tbVehicleEF	MH	7.4500e-004	8.2700e-004
tbVehicleEF	MH	0.94	1.10
tbVehicleEF	MH	0.09	0.10
tbVehicleEF	MH	0.34	0.39
tbVehicleEF	MH	0.20	0.28
tbVehicleEF	MH	0.02	0.03
tbVehicleEF	MH	0.48	0.63
tbVehicleEF	MH	0.05	0.06
tbVehicleEF	MH	0.03	0.04
tbVehicleEF	MH	3.63	5.32
tbVehicleEF	MH	6.56	8.00
tbVehicleEF	MH	1,228.67	1,241.02
tbVehicleEF	MH	61.77	67.17
tbVehicleEF	MH	8.1200e-004	8.6400e-004
tbVehicleEF	MH	1.50	1.70

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MH	0.89	0.97
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5510e-003	2.2990e-003
tblVehicleEF	MH	3.2150e-003	3.2090e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4350e-003	2.1450e-003
tblVehicleEF	MH	2.28	2.70
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.76	0.90
tblVehicleEF	MH	0.15	0.21
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.40	0.53
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.3300e-004	8.1300e-004
tblVehicleEF	MH	2.28	2.70
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	0.76	0.90
tblVehicleEF	MH	0.21	0.28
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.44	0.58
tblVehicleEF	MH	0.04	0.05
tblVehicleEF	MH	0.03	0.05
tblVehicleEF	MH	3.46	5.35
tblVehicleEF	MH	7.91	9.58
tblVehicleEF	MH	1,228.67	1,241.02
tblVehicleEF	MH	61.77	67.17

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MH	8.1200e-004	8.6400e-004
tblVehicleEF	MH	1.66	1.89
tblVehicleEF	MH	1.02	1.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.5510e-003	2.2990e-003
tblVehicleEF	MH	3.2150e-003	3.2090e-003
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.4350e-003	2.1450e-003
tblVehicleEF	MH	0.37	0.42
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.15	0.17
tblVehicleEF	MH	0.15	0.21
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.46	0.61
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.5600e-004	8.4100e-004
tblVehicleEF	MH	0.37	0.42
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.15	0.17
tblVehicleEF	MH	0.20	0.28
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.51	0.67
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.9170e-003	0.02
tblVehicleEF	MHD	0.06	0.08
tblVehicleEF	MHD	0.44	0.52

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	MHD	0.64	1.02
tbVehicleEF	MHD	7.43	9.11
tbVehicleEF	MHD	151.53	151.94
tbVehicleEF	MHD	1,207.41	1,218.04
tbVehicleEF	MHD	57.19	59.83
tbVehicleEF	MHD	0.02	0.02
tbVehicleEF	MHD	0.97	1.29
tbVehicleEF	MHD	2.26	3.44
tbVehicleEF	MHD	11.36	11.38
tbVehicleEF	MHD	3.0950e-003	5.8480e-003
tbVehicleEF	MHD	0.05	0.09
tbVehicleEF	MHD	9.6600e-004	1.2660e-003
tbVehicleEF	MHD	2.9610e-003	5.5950e-003
tbVehicleEF	MHD	0.04	0.09
tbVehicleEF	MHD	8.8900e-004	1.1700e-003
tbVehicleEF	MHD	1.0180e-003	1.2470e-003
tbVehicleEF	MHD	0.05	0.06
tbVehicleEF	MHD	0.03	0.04
tbVehicleEF	MHD	5.3600e-004	6.3100e-004
tbVehicleEF	MHD	0.12	0.23
tbVehicleEF	MHD	0.02	0.03
tbVehicleEF	MHD	0.44	0.55
tbVehicleEF	MHD	1.4570e-003	1.4620e-003
tbVehicleEF	MHD	0.01	0.01
tbVehicleEF	MHD	7.0200e-004	7.5900e-004
tbVehicleEF	MHD	1.0180e-003	1.2470e-003
tbVehicleEF	MHD	0.05	0.06



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	5.3600e-004	6.3100e-004
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.48	0.61
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.06	0.07
tblVehicleEF	MHD	0.31	0.37
tblVehicleEF	MHD	0.66	1.03
tblVehicleEF	MHD	6.78	8.33
tblVehicleEF	MHD	160.66	161.10
tblVehicleEF	MHD	1,207.41	1,218.04
tblVehicleEF	MHD	57.19	59.83
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.00	1.33
tblVehicleEF	MHD	2.17	3.30
tblVehicleEF	MHD	11.28	11.29
tblVehicleEF	MHD	2.6090e-003	4.9300e-003
tblVehicleEF	MHD	0.05	0.09
tblVehicleEF	MHD	9.6600e-004	1.2660e-003
tblVehicleEF	MHD	2.4960e-003	4.7170e-003
tblVehicleEF	MHD	0.04	0.09
tblVehicleEF	MHD	8.8900e-004	1.1700e-003
tblVehicleEF	MHD	2.5140e-003	3.1420e-003
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.03	0.04

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	MHD	1.2420e-003	1.5180e-003
tblVehicleEF	MHD	0.12	0.23
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.41	0.51
tblVehicleEF	MHD	1.5430e-003	1.5480e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.9100e-004	7.4500e-004
tblVehicleEF	MHD	2.5140e-003	3.1420e-003
tblVehicleEF	MHD	0.05	0.07
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	1.2420e-003	1.5180e-003
tblVehicleEF	MHD	0.14	0.26
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.45	0.56
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	9.7820e-003	0.02
tblVehicleEF	MHD	0.07	0.08
tblVehicleEF	MHD	0.58	0.69
tblVehicleEF	MHD	0.64	1.01
tblVehicleEF	MHD	8.00	9.82
tblVehicleEF	MHD	139.26	139.65
tblVehicleEF	MHD	1,207.41	1,218.04
tblVehicleEF	MHD	57.19	59.83
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	0.92	1.23
tblVehicleEF	MHD	2.30	3.50
tblVehicleEF	MHD	11.42	11.45

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	MHD	3.7660e-003	7.1160e-003
tbVehicleEF	MHD	0.05	0.09
tbVehicleEF	MHD	9.6600e-004	1.2660e-003
tbVehicleEF	MHD	3.6030e-003	6.8090e-003
tbVehicleEF	MHD	0.04	0.09
tbVehicleEF	MHD	8.8900e-004	1.1700e-003
tbVehicleEF	MHD	4.2600e-004	4.9700e-004
tbVehicleEF	MHD	0.05	0.07
tbVehicleEF	MHD	0.04	0.04
tbVehicleEF	MHD	2.3400e-004	2.6300e-004
tbVehicleEF	MHD	0.12	0.23
tbVehicleEF	MHD	0.03	0.03
tbVehicleEF	MHD	0.47	0.58
tbVehicleEF	MHD	1.3420e-003	1.3460e-003
tbVehicleEF	MHD	0.01	0.01
tbVehicleEF	MHD	7.1200e-004	7.7100e-004
tbVehicleEF	MHD	4.2600e-004	4.9700e-004
tbVehicleEF	MHD	0.05	0.07
tbVehicleEF	MHD	0.05	0.06
tbVehicleEF	MHD	2.3400e-004	2.6300e-004
tbVehicleEF	MHD	0.14	0.26
tbVehicleEF	MHD	0.03	0.03
tbVehicleEF	MHD	0.51	0.64
tbVehicleEF	OBUS	0.01	0.01
tbVehicleEF	OBUS	0.01	0.02
tbVehicleEF	OBUS	0.03	0.04
tbVehicleEF	OBUS	0.29	0.30

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	0.74	0.96
tblVehicleEF	OBUS	6.29	7.17
tblVehicleEF	OBUS	126.46	123.21
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.78	0.86
tblVehicleEF	OBUS	2.45	2.87
tblVehicleEF	OBUS	3.35	3.40
tblVehicleEF	OBUS	3.6800e-004	5.0900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	3.5200e-004	4.8700e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	1.1640e-003	1.2340e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	5.3400e-004	5.4900e-004
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.39	0.45
tblVehicleEF	OBUS	1.2180e-003	1.1870e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7700e-004	8.0900e-004
tblVehicleEF	OBUS	1.1640e-003	1.2340e-003
tblVehicleEF	OBUS	0.02	0.02

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	5.3400e-004	5.4900e-004
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.43	0.49
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.28
tblVehicleEF	OBUS	0.76	0.98
tblVehicleEF	OBUS	5.72	6.52
tblVehicleEF	OBUS	133.00	129.55
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.81	0.89
tblVehicleEF	OBUS	2.34	2.74
tblVehicleEF	OBUS	3.28	3.31
tblVehicleEF	OBUS	3.1000e-004	4.2900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	2.9600e-004	4.1100e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	2.7110e-003	2.9100e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.04

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	1.1710e-003	1.2360e-003
tblVehicleEF	OBUS	0.09	0.11
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.37	0.42
tblVehicleEF	OBUS	1.2810e-003	1.2480e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.6700e-004	7.9800e-004
tblVehicleEF	OBUS	2.7110e-003	2.9100e-003
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	1.1710e-003	1.2360e-003
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.40	0.46
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.32	0.33
tblVehicleEF	OBUS	0.73	0.94
tblVehicleEF	OBUS	6.77	7.73
tblVehicleEF	OBUS	117.42	114.46
tblVehicleEF	OBUS	1,327.27	1,341.51
tblVehicleEF	OBUS	66.62	68.27
tblVehicleEF	OBUS	2.5450e-003	2.4590e-003
tblVehicleEF	OBUS	0.75	0.82
tblVehicleEF	OBUS	2.49	2.92
tblVehicleEF	OBUS	3.42	3.47

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	OBUS	4.4700e-004	6.1900e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.7300e-004	8.2000e-004
tblVehicleEF	OBUS	4.2800e-004	5.9300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.1200e-004	7.5800e-004
tblVehicleEF	OBUS	5.7700e-004	5.9100e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	2.5700e-004	2.5900e-004
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.41	0.48
tblVehicleEF	OBUS	1.1320e-003	1.1040e-003
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.8500e-004	8.1800e-004
tblVehicleEF	OBUS	5.7700e-004	5.9100e-004
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.06
tblVehicleEF	OBUS	2.5700e-004	2.5900e-004
tblVehicleEF	OBUS	0.11	0.13
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	0.45	0.52
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	5.40	5.13

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	0.87	1.03
tblVehicleEF	SBUS	6.36	6.69
tblVehicleEF	SBUS	1,288.91	1,314.86
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14
tblVehicleEF	SBUS	8.7700e-004	8.6800e-004
tblVehicleEF	SBUS	13.15	14.73
tblVehicleEF	SBUS	5.51	6.39
tblVehicleEF	SBUS	15.68	16.17
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.6500e-004	5.8000e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	2.7770e-003	2.7940e-003
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.1900e-004	5.3300e-004
tblVehicleEF	SBUS	1.9710e-003	2.3990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.65	0.62
tblVehicleEF	SBUS	8.0700e-004	8.9200e-004
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.32	0.33
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.4600e-004	4.2700e-004



## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	1.9710e-003	2.3990e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.93	0.88
tblVehicleEF	SBUS	8.0700e-004	8.9200e-004
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.34	0.37
tblVehicleEF	SBUS	0.88	0.90
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.07	0.08
tblVehicleEF	SBUS	5.24	4.94
tblVehicleEF	SBUS	0.89	1.05
tblVehicleEF	SBUS	4.66	4.91
tblVehicleEF	SBUS	1,355.64	1,383.85
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14
tblVehicleEF	SBUS	8.7700e-004	8.6800e-004
tblVehicleEF	SBUS	13.58	15.20
tblVehicleEF	SBUS	5.29	6.13
tblVehicleEF	SBUS	15.64	16.13
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	5.6500e-004	5.8000e-004
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	2.7770e-003	2.7940e-003
tblVehicleEF	SBUS	0.03	0.04

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	5.1900e-004	5.3300e-004
tblVehicleEF	SBUS	4.5750e-003	5.6890e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.65	0.62
tblVehicleEF	SBUS	1.7980e-003	2.0490e-003
tblVehicleEF	SBUS	0.13	0.14
tblVehicleEF	SBUS	9.4490e-003	0.01
tblVehicleEF	SBUS	0.26	0.28
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.1700e-004	3.9700e-004
tblVehicleEF	SBUS	4.5750e-003	5.6890e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.93	0.88
tblVehicleEF	SBUS	1.7980e-003	2.0490e-003
tblVehicleEF	SBUS	0.15	0.17
tblVehicleEF	SBUS	9.4490e-003	0.01
tblVehicleEF	SBUS	0.29	0.31
tblVehicleEF	SBUS	0.89	0.90
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.10	0.11
tblVehicleEF	SBUS	5.63	5.39
tblVehicleEF	SBUS	0.85	1.01
tblVehicleEF	SBUS	7.95	8.37
tblVehicleEF	SBUS	1,196.76	1,219.58
tblVehicleEF	SBUS	1,154.61	1,172.94
tblVehicleEF	SBUS	33.60	31.14

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	SBUS	8.7700e-004	8.8800e-004
tbVehicleEF	SBUS	12.57	14.07
tbVehicleEF	SBUS	5.61	6.50
tbVehicleEF	SBUS	15.71	16.20
tbVehicleEF	SBUS	0.02	0.02
tbVehicleEF	SBUS	0.01	0.01
tbVehicleEF	SBUS	0.03	0.04
tbVehicleEF	SBUS	2.7770e-003	2.7940e-003
tbVehicleEF	SBUS	0.03	0.04
tbVehicleEF	SBUS	5.1900e-004	5.3300e-004
tbVehicleEF	SBUS	9.4300e-004	1.0470e-003
tbVehicleEF	SBUS	0.02	0.03
tbVehicleEF	SBUS	0.66	0.63
tbVehicleEF	SBUS	3.9300e-004	4.1400e-004
tbVehicleEF	SBUS	0.13	0.14
tbVehicleEF	SBUS	0.01	0.02
tbVehicleEF	SBUS	0.36	0.38
tbVehicleEF	SBUS	0.01	0.01
tbVehicleEF	SBUS	0.01	0.01
tbVehicleEF	SBUS	4.7200e-004	4.5500e-004
tbVehicleEF	SBUS	9.4300e-004	1.0470e-003
tbVehicleEF	SBUS	0.02	0.03
tbVehicleEF	SBUS	0.94	0.89
tbVehicleEF	SBUS	3.9300e-004	4.1400e-004
tbVehicleEF	SBUS	0.15	0.17

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.39	0.42
tblVehicleEF	UBUS	0.30	0.31
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.15	7.47
tblVehicleEF	UBUS	8.31	8.36
tblVehicleEF	UBUS	2,178.97	2,231.08
tblVehicleEF	UBUS	85.39	77.02
tblVehicleEF	UBUS	2.4420e-003	2.6830e-003
tblVehicleEF	UBUS	13.34	15.45
tblVehicleEF	UBUS	16.06	16.71
tblVehicleEF	UBUS	0.64	0.67
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	8.6900e-004	9.7900e-004
tblVehicleEF	UBUS	0.28	0.29
tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	2.6490e-003	2.8250e-003
tblVehicleEF	UBUS	0.06	0.07
tblVehicleEF	UBUS	1.3090e-003	1.3660e-003
tblVehicleEF	UBUS	0.81	0.97
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.61	0.63
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.0030e-003	9.2100e-004
tblVehicleEF	UBUS	2.6490e-003	2.8250e-003
tblVehicleEF	UBUS	0.06	0.07

First Street Green Project - Bay Area AQMD Air District, Annual

tbVehicleEF	UBUS	1.3090e-003	1.3660e-003
tbVehicleEF	UBUS	1.18	1.36
tbVehicleEF	UBUS	0.01	0.01
tbVehicleEF	UBUS	0.66	0.69
tbVehicleEF	UBUS	0.30	0.31
tbVehicleEF	UBUS	0.04	0.04
tbVehicleEF	UBUS	6.22	7.46
tbVehicleEF	UBUS	6.51	6.59
tbVehicleEF	UBUS	2,178.97	2,231.08
tbVehicleEF	UBUS	85.39	77.02
tbVehicleEF	UBUS	2.4420e-003	2.6830e-003
tbVehicleEF	UBUS	12.78	14.81
tbVehicleEF	UBUS	15.98	16.64
tbVehicleEF	UBUS	0.64	0.67
tbVehicleEF	UBUS	0.28	0.32
tbVehicleEF	UBUS	8.6900e-004	9.7900e-004
tbVehicleEF	UBUS	0.28	0.29
tbVehicleEF	UBUS	0.26	0.31
tbVehicleEF	UBUS	7.9900e-004	9.0800e-004
tbVehicleEF	UBUS	6.4350e-003	6.9060e-003
tbVehicleEF	UBUS	0.06	0.07
tbVehicleEF	UBUS	2.9500e-003	3.2210e-003
tbVehicleEF	UBUS	0.82	0.98
tbVehicleEF	UBUS	0.01	0.01
tbVehicleEF	UBUS	0.52	0.54
tbVehicleEF	UBUS	0.02	0.02
tbVehicleEF	UBUS	9.7200e-004	8.9000e-004

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	UBUS	6.4350e-003	6.9060e-003
tblVehicleEF	UBUS	0.06	0.07
tblVehicleEF	UBUS	2.9500e-003	3.2210e-003
tblVehicleEF	UBUS	1.20	1.38
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.57	0.59
tblVehicleEF	UBUS	0.30	0.30
tblVehicleEF	UBUS	0.05	0.05
tblVehicleEF	UBUS	6.10	7.50
tblVehicleEF	UBUS	9.94	9.97
tblVehicleEF	UBUS	2,178.97	2,231.08
tblVehicleEF	UBUS	85.39	77.02
tblVehicleEF	UBUS	2.4420e-003	2.6830e-003
tblVehicleEF	UBUS	13.55	15.70
tblVehicleEF	UBUS	16.12	16.77
tblVehicleEF	UBUS	0.64	0.67
tblVehicleEF	UBUS	0.28	0.32
tblVehicleEF	UBUS	8.6900e-004	9.7900e-004
tblVehicleEF	UBUS	0.28	0.29
tblVehicleEF	UBUS	0.26	0.31
tblVehicleEF	UBUS	7.9900e-004	9.0800e-004
tblVehicleEF	UBUS	1.1230e-003	1.1820e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	5.5800e-004	5.3600e-004
tblVehicleEF	UBUS	0.81	0.97
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.68	0.71

## First Street Green Project - Bay Area AQMD Air District, Annual

tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.0310e-003	9.4900e-004
tblVehicleEF	UBUS	1.1230e-003	1.1820e-003
tblVehicleEF	UBUS	0.07	0.08
tblVehicleEF	UBUS	5.5800e-004	5.3600e-004
tblVehicleEF	UBUS	1.17	1.36
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.74	0.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	696.00	0.00
tblVehicleTrips	ST_TR	2.46	20.84
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	500.00	0.00
tblVehicleTrips	SU_TR	1.05	10.86
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	716.00	0.00
tblVehicleTrips	WD_TR	11.03	14.69

## 2.0 Emissions Summary

---





First Street Green Project - Bay Area AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2018	3-31-2018	0.8427	0.4243
2	4-1-2018	6-30-2018	1.3151	1.1875
3	7-1-2018	9-30-2018	0.5899	0.2164
4	10-1-2018	12-31-2018	0.6896	0.2546
5	1-1-2019	3-31-2019	0.6149	0.2430
6	4-1-2019	6-30-2019	0.6195	0.2435
7	7-1-2019	9-30-2019	0.5783	0.2236
		Highest	1.3151	1.1875

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
Energy	8.1700e-003	0.0743	0.0624	4.5000e-004		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	0.0000	389.4080	389.4080	0.0225	5.8200e-003	391.7044
Mobile	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248
Waste						0.0000	0.0000		0.0000	0.0000	17.3557	0.0000	17.3557	1.0257	0.0000	42.9981
Water						0.0000	0.0000		0.0000	0.0000	4.6034	21.5391	26.1425	0.4743	0.0115	41.4164
<b>Total</b>	<b>0.7929</b>	<b>2.0641</b>	<b>4.9386</b>	<b>0.0142</b>	<b>1.0692</b>	<b>0.0242</b>	<b>1.0933</b>	<b>0.2871</b>	<b>0.0231</b>	<b>0.3102</b>	<b>21.9591</b>	<b>1,668.9150</b>	<b>1,690.8742</b>	<b>1.5768</b>	<b>0.0173</b>	<b>1,735.4455</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
Energy	7.8000e-003	0.0710	0.0596	4.3000e-004		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003	0.0000	380.1465	380.1465	0.0221	5.6700e-003	382.3881
Mobile	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248
Waste						0.0000	0.0000		0.0000	0.0000	17.3557	0.0000	17.3557	1.0257	0.0000	42.9981
Water						0.0000	0.0000		0.0000	0.0000	4.6034	21.5391	26.1425	0.4743	0.0115	41.4164
<b>Total</b>	<b>0.7925</b>	<b>2.0607</b>	<b>4.9357</b>	<b>0.0142</b>	<b>1.0692</b>	<b>0.0239</b>	<b>1.0931</b>	<b>0.2871</b>	<b>0.0229</b>	<b>0.3099</b>	<b>21.9591</b>	<b>1,659.6535</b>	<b>1,681.6126</b>	<b>1.5764</b>	<b>0.0171</b>	<b>1,726.1293</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.05</b>	<b>0.16</b>	<b>0.06</b>	<b>0.14</b>	<b>0.00</b>	<b>1.08</b>	<b>0.02</b>	<b>0.00</b>	<b>1.12</b>	<b>0.08</b>	<b>0.00</b>	<b>0.55</b>	<b>0.55</b>	<b>0.03</b>	<b>0.87</b>	<b>0.54</b>

**3.0 Construction Detail**

**Construction Phase**

First Street Green Project - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2018	2/23/2018	5	40	
2	Site Preparation	Site Preparation	2/24/2018	3/23/2018	5	20	
3	Grading	Grading	3/24/2018	5/4/2018	5	30	
4	Building Construction	Building Construction	7/14/2018	9/6/2019	5	300	
5	Site Utilities	Trenching	5/5/2018	7/13/2018	5	50	
6	Paving	Paving	9/7/2019	11/1/2019	5	40	
7	Architectural Coating	Architectural Coating	11/2/2019	12/27/2019	5	40	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0.36

Residential Indoor: 0; Residential Outdoor: 121,440; Non-Residential Indoor: 40,480; Striped Parking Area: 948 (Architectural Coating – sqft)

Offroad Equipment

## First Street Green Project - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	2	8.00	46	0.45
Site Utilities	Excavators	1	8.00	158	0.38
Site Utilities	Plate Compactors	1	8.00	8	0.43
Site Utilities	Rollers	1	8.00	80	0.38
Site Utilities	Rubber Tired Dozers	1	8.00	247	0.40
Site Utilities	Sweepers/Scrubbers	1	8.00	64	0.46
Site Utilities	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48

## First Street Green Project - Bay Area AQMD Air District, Annual

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	96.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	8,625.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	42.00	19.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

First Street Green Project - Bay Area AQMD Air District, Annual

**3.2 Demolition - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0104	0.0000	0.0104	1.5800e-003	0.0000	1.5800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2361	0.2147	3.1000e-004		0.0165	0.0165		0.0156	0.0156	0.0000	27.7779	27.7779	6.1300e-003	0.0000	27.9312
<b>Total</b>	<b>0.0264</b>	<b>0.2361</b>	<b>0.2147</b>	<b>3.1000e-004</b>	<b>0.0104</b>	<b>0.0165</b>	<b>0.0270</b>	<b>1.5800e-003</b>	<b>0.0156</b>	<b>0.0172</b>	<b>0.0000</b>	<b>27.7779</b>	<b>27.7779</b>	<b>6.1300e-003</b>	<b>0.0000</b>	<b>27.9312</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6000e-004	0.0158	3.0200e-003	4.0000e-005	8.1000e-004	6.0000e-005	8.7000e-004	2.2000e-004	6.0000e-005	2.8000e-004	0.0000	3.7562	3.7562	2.0000e-004	0.0000	3.7612
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.1000e-004	6.1800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4738	1.4738	4.0000e-005	0.0000	1.4748
<b>Total</b>	<b>1.2600e-003</b>	<b>0.0164</b>	<b>9.2000e-003</b>	<b>6.0000e-005</b>	<b>2.3900e-003</b>	<b>7.0000e-005</b>	<b>2.4600e-003</b>	<b>6.4000e-004</b>	<b>7.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>5.2299</b>	<b>5.2299</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>5.2360</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.2 Demolition - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7000e-003	0.0000	4.7000e-003	7.1000e-004	0.0000	7.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5700e-003	0.0545	0.2177	3.1000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	27.7778	27.7778	6.1300e-003	0.0000	27.9311
<b>Total</b>	<b>4.5700e-003</b>	<b>0.0545</b>	<b>0.2177</b>	<b>3.1000e-004</b>	<b>4.7000e-003</b>	<b>4.7000e-004</b>	<b>5.1700e-003</b>	<b>7.1000e-004</b>	<b>4.7000e-004</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>27.7778</b>	<b>27.7778</b>	<b>6.1300e-003</b>	<b>0.0000</b>	<b>27.9311</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6000e-004	0.0158	3.0200e-003	4.0000e-005	8.1000e-004	6.0000e-005	8.7000e-004	2.2000e-004	6.0000e-005	2.8000e-004	0.0000	3.7562	3.7562	2.0000e-004	0.0000	3.7612
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	6.1000e-004	6.1800e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4738	1.4738	4.0000e-005	0.0000	1.4748
<b>Total</b>	<b>1.2600e-003</b>	<b>0.0164</b>	<b>9.2000e-003</b>	<b>6.0000e-005</b>	<b>2.3900e-003</b>	<b>7.0000e-005</b>	<b>2.4600e-003</b>	<b>6.4000e-004</b>	<b>7.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>5.2299</b>	<b>5.2299</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>5.2360</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.3 Site Preparation - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.2362	0.1275	2.5000e-004		9.5400e-003	9.5400e-003		8.7800e-003	8.7800e-003	0.0000	22.3931	22.3931	6.9700e-003	0.0000	22.5674
<b>Total</b>	<b>0.0190</b>	<b>0.2362</b>	<b>0.1275</b>	<b>2.5000e-004</b>	<b>2.3900e-003</b>	<b>9.5400e-003</b>	<b>0.0119</b>	<b>2.6000e-004</b>	<b>8.7800e-003</b>	<b>9.0400e-003</b>	<b>0.0000</b>	<b>22.3931</b>	<b>22.3931</b>	<b>6.9700e-003</b>	<b>0.0000</b>	<b>22.5674</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.5000e-004	2.4700e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5895	0.5895	2.0000e-005	0.0000	0.5899
<b>Total</b>	<b>3.2000e-004</b>	<b>2.5000e-004</b>	<b>2.4700e-003</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>6.4000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.5895</b>	<b>0.5895</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5899</b>



First Street Green Project - Bay Area AQMD Air District, Annual

**3.3 Site Preparation - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0700e-003	0.0000	1.0700e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-003	0.0590	0.1364	2.5000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	22.3930	22.3930	6.9700e-003	0.0000	22.5673
<b>Total</b>	<b>3.9000e-003</b>	<b>0.0590</b>	<b>0.1364</b>	<b>2.5000e-004</b>	<b>1.0700e-003</b>	<b>4.0000e-004</b>	<b>1.4700e-003</b>	<b>1.2000e-004</b>	<b>4.0000e-004</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>22.3930</b>	<b>22.3930</b>	<b>6.9700e-003</b>	<b>0.0000</b>	<b>22.5673</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.5000e-004	2.4700e-003	1.0000e-005	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5895	0.5895	2.0000e-005	0.0000	0.5899
<b>Total</b>	<b>3.2000e-004</b>	<b>2.5000e-004</b>	<b>2.4700e-003</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>6.4000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.5895</b>	<b>0.5895</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5899</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.4 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.4900e-003	0.0000	5.4900e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0148	0.1759	0.0901	1.8000e-004		8.3700e-003	8.3700e-003		7.7000e-003	7.7000e-003	0.0000	16.5647	16.5647	5.1600e-003	0.0000	16.6936
<b>Total</b>	<b>0.0148</b>	<b>0.1759</b>	<b>0.0901</b>	<b>1.8000e-004</b>	<b>5.4900e-003</b>	<b>8.3700e-003</b>	<b>0.0139</b>	<b>7.6000e-004</b>	<b>7.7000e-003</b>	<b>8.4600e-003</b>	<b>0.0000</b>	<b>16.5647</b>	<b>16.5647</b>	<b>5.1600e-003</b>	<b>0.0000</b>	<b>16.6936</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0414	1.4221	0.2711	3.4900e-003	0.0728	5.6500e-003	0.0785	0.0200	5.4000e-003	0.0254	0.0000	337.4695	337.4695	0.0179	0.0000	337.9165
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.7000e-004	3.7100e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8843	0.8843	3.0000e-005	0.0000	0.8849
<b>Total</b>	<b>0.0418</b>	<b>1.4225</b>	<b>0.2748</b>	<b>3.5000e-003</b>	<b>0.0738</b>	<b>5.6600e-003</b>	<b>0.0794</b>	<b>0.0203</b>	<b>5.4100e-003</b>	<b>0.0257</b>	<b>0.0000</b>	<b>338.3537</b>	<b>338.3537</b>	<b>0.0179</b>	<b>0.0000</b>	<b>338.8014</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.4 Grading - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4700e-003	0.0000	2.4700e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6200e-003	0.0305	0.1142	1.8000e-004		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	16.5646	16.5646	5.1600e-003	0.0000	16.6936
<b>Total</b>	<b>2.6200e-003</b>	<b>0.0305</b>	<b>0.1142</b>	<b>1.8000e-004</b>	<b>2.4700e-003</b>	<b>3.0000e-004</b>	<b>2.7700e-003</b>	<b>3.4000e-004</b>	<b>3.0000e-004</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>16.5646</b>	<b>16.5646</b>	<b>5.1600e-003</b>	<b>0.0000</b>	<b>16.6936</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0414	1.4221	0.2711	3.4900e-003	0.0728	5.6500e-003	0.0785	0.0200	5.4000e-003	0.0254	0.0000	337.4695	337.4695	0.0179	0.0000	337.9165
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.7000e-004	3.7100e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.8843	0.8843	3.0000e-005	0.0000	0.8849
<b>Total</b>	<b>0.0418</b>	<b>1.4225</b>	<b>0.2748</b>	<b>3.5000e-003</b>	<b>0.0738</b>	<b>5.6600e-003</b>	<b>0.0794</b>	<b>0.0203</b>	<b>5.4100e-003</b>	<b>0.0257</b>	<b>0.0000</b>	<b>338.3537</b>	<b>338.3537</b>	<b>0.0179</b>	<b>0.0000</b>	<b>338.8014</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1293	0.9603	0.6775	1.1500e-003		0.0551	0.0551		0.0530	0.0530	0.0000	97.2763	97.2763	0.0194	0.0000	97.7608
<b>Total</b>	<b>0.1293</b>	<b>0.9603</b>	<b>0.6775</b>	<b>1.1500e-003</b>		<b>0.0551</b>	<b>0.0551</b>		<b>0.0530</b>	<b>0.0530</b>	<b>0.0000</b>	<b>97.2763</b>	<b>97.2763</b>	<b>0.0194</b>	<b>0.0000</b>	<b>97.7608</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0400e-003	0.1540	0.0409	3.2000e-004	7.5400e-003	1.1800e-003	8.7200e-003	2.1800e-003	1.1300e-003	3.3100e-003	0.0000	30.4968	30.4968	1.7600e-003	0.0000	30.5407
Worker	0.0102	7.7900e-003	0.0785	2.1000e-004	0.0201	1.4000e-004	0.0202	5.3400e-003	1.3000e-004	5.4700e-003	0.0000	18.7241	18.7241	5.5000e-004	0.0000	18.7379
<b>Total</b>	<b>0.0163</b>	<b>0.1618</b>	<b>0.1194</b>	<b>5.3000e-004</b>	<b>0.0276</b>	<b>1.3200e-003</b>	<b>0.0289</b>	<b>7.5200e-003</b>	<b>1.2600e-003</b>	<b>8.7800e-003</b>	<b>0.0000</b>	<b>49.2209</b>	<b>49.2209</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>49.2786</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0171	0.2716	0.6827	1.1500e-003		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	97.2761	97.2761	0.0194	0.0000	97.7607
<b>Total</b>	<b>0.0171</b>	<b>0.2716</b>	<b>0.6827</b>	<b>1.1500e-003</b>		<b>1.6100e-003</b>	<b>1.6100e-003</b>		<b>1.6100e-003</b>	<b>1.6100e-003</b>	<b>0.0000</b>	<b>97.2761</b>	<b>97.2761</b>	<b>0.0194</b>	<b>0.0000</b>	<b>97.7607</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0400e-003	0.1540	0.0409	3.2000e-004	7.5400e-003	1.1800e-003	8.7200e-003	2.1800e-003	1.1300e-003	3.3100e-003	0.0000	30.4968	30.4968	1.7600e-003	0.0000	30.5407
Worker	0.0102	7.7900e-003	0.0785	2.1000e-004	0.0201	1.4000e-004	0.0202	5.3400e-003	1.3000e-004	5.4700e-003	0.0000	18.7241	18.7241	5.5000e-004	0.0000	18.7379
<b>Total</b>	<b>0.0163</b>	<b>0.1618</b>	<b>0.1194</b>	<b>5.3000e-004</b>	<b>0.0276</b>	<b>1.3200e-003</b>	<b>0.0289</b>	<b>7.5200e-003</b>	<b>1.2600e-003</b>	<b>8.7800e-003</b>	<b>0.0000</b>	<b>49.2209</b>	<b>49.2209</b>	<b>2.3100e-003</b>	<b>0.0000</b>	<b>49.2786</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1681	1.2943	0.9688	1.7000e-003		0.0708	0.0708		0.0681	0.0681	0.0000	142.9420	142.9420	0.0274	0.0000	143.6270
<b>Total</b>	<b>0.1681</b>	<b>1.2943</b>	<b>0.9688</b>	<b>1.7000e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0681</b>	<b>0.0681</b>	<b>0.0000</b>	<b>142.9420</b>	<b>142.9420</b>	<b>0.0274</b>	<b>0.0000</b>	<b>143.6270</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0400e-003	0.2153	0.0553	4.7000e-004	0.0112	1.4800e-003	0.0126	3.2300e-003	1.4200e-003	4.6400e-003	0.0000	44.8124	44.8124	2.4800e-003	0.0000	44.8744
Worker	0.0136	0.0101	0.1030	3.0000e-004	0.0297	2.0000e-004	0.0299	7.9000e-003	1.9000e-004	8.0900e-003	0.0000	26.8682	26.8682	7.2000e-004	0.0000	26.8862
<b>Total</b>	<b>0.0217</b>	<b>0.2254</b>	<b>0.1582</b>	<b>7.7000e-004</b>	<b>0.0409</b>	<b>1.6800e-003</b>	<b>0.0425</b>	<b>0.0111</b>	<b>1.6100e-003</b>	<b>0.0127</b>	<b>0.0000</b>	<b>71.6806</b>	<b>71.6806</b>	<b>3.2000e-003</b>	<b>0.0000</b>	<b>71.7607</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.5 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0253	0.4018	1.0099	1.7000e-003		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003	0.0000	142.9419	142.9419	0.0274	0.0000	143.6268
<b>Total</b>	<b>0.0253</b>	<b>0.4018</b>	<b>1.0099</b>	<b>1.7000e-003</b>		<b>2.3800e-003</b>	<b>2.3800e-003</b>		<b>2.3800e-003</b>	<b>2.3800e-003</b>	<b>0.0000</b>	<b>142.9419</b>	<b>142.9419</b>	<b>0.0274</b>	<b>0.0000</b>	<b>143.6268</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0400e-003	0.2153	0.0553	4.7000e-004	0.0112	1.4800e-003	0.0126	3.2300e-003	1.4200e-003	4.6400e-003	0.0000	44.8124	44.8124	2.4800e-003	0.0000	44.8744
Worker	0.0136	0.0101	0.1030	3.0000e-004	0.0297	2.0000e-004	0.0299	7.9000e-003	1.9000e-004	8.0900e-003	0.0000	26.8682	26.8682	7.2000e-004	0.0000	26.8862
<b>Total</b>	<b>0.0217</b>	<b>0.2254</b>	<b>0.1582</b>	<b>7.7000e-004</b>	<b>0.0409</b>	<b>1.6800e-003</b>	<b>0.0425</b>	<b>0.0111</b>	<b>1.6100e-003</b>	<b>0.0127</b>	<b>0.0000</b>	<b>71.6806</b>	<b>71.6806</b>	<b>3.2000e-003</b>	<b>0.0000</b>	<b>71.7607</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.6 Site Utilities - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0583	0.5924	0.3538	5.6000e-004		0.0338	0.0338		0.0311	0.0311	0.0000	50.9536	50.9536	0.0157	0.0000	51.3461
<b>Total</b>	<b>0.0583</b>	<b>0.5924</b>	<b>0.3538</b>	<b>5.6000e-004</b>		<b>0.0338</b>	<b>0.0338</b>		<b>0.0311</b>	<b>0.0311</b>	<b>0.0000</b>	<b>50.9536</b>	<b>50.9536</b>	<b>0.0157</b>	<b>0.0000</b>	<b>51.3461</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5100e-003	1.1500e-003	0.0116	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.7633	2.7633	8.0000e-005	0.0000	2.7653
<b>Total</b>	<b>1.5100e-003</b>	<b>1.1500e-003</b>	<b>0.0116</b>	<b>3.0000e-005</b>	<b>2.9600e-003</b>	<b>2.0000e-005</b>	<b>2.9800e-003</b>	<b>7.9000e-004</b>	<b>2.0000e-005</b>	<b>8.1000e-004</b>	<b>0.0000</b>	<b>2.7633</b>	<b>2.7633</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>2.7653</b>



First Street Green Project - Bay Area AQMD Air District, Annual

**3.6 Site Utilities - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0347	0.3893	0.3635	5.6000e-004		0.0172	0.0172		0.0159	0.0159	0.0000	50.9536	50.9536	0.0157	0.0000	51.3461
<b>Total</b>	<b>0.0347</b>	<b>0.3893</b>	<b>0.3635</b>	<b>5.6000e-004</b>		<b>0.0172</b>	<b>0.0172</b>		<b>0.0159</b>	<b>0.0159</b>	<b>0.0000</b>	<b>50.9536</b>	<b>50.9536</b>	<b>0.0157</b>	<b>0.0000</b>	<b>51.3461</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5100e-003	1.1500e-003	0.0116	3.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	7.9000e-004	2.0000e-005	8.1000e-004	0.0000	2.7633	2.7633	8.0000e-005	0.0000	2.7653
<b>Total</b>	<b>1.5100e-003</b>	<b>1.1500e-003</b>	<b>0.0116</b>	<b>3.0000e-005</b>	<b>2.9600e-003</b>	<b>2.0000e-005</b>	<b>2.9800e-003</b>	<b>7.9000e-004</b>	<b>2.0000e-005</b>	<b>8.1000e-004</b>	<b>0.0000</b>	<b>2.7633</b>	<b>2.7633</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>2.7653</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.7 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0237	0.2440	0.2309	3.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	30.7668	30.7668	9.7300e-003	0.0000	31.0101
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0237</b>	<b>0.2440</b>	<b>0.2309</b>	<b>3.4000e-004</b>		<b>0.0143</b>	<b>0.0143</b>		<b>0.0132</b>	<b>0.0132</b>	<b>0.0000</b>	<b>30.7668</b>	<b>30.7668</b>	<b>9.7300e-003</b>	<b>0.0000</b>	<b>31.0101</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	7.0000e-004	7.1200e-003	2.0000e-005	2.0500e-003	1.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.8584	1.8584	5.0000e-005	0.0000	1.8597
<b>Total</b>	<b>9.4000e-004</b>	<b>7.0000e-004</b>	<b>7.1200e-003</b>	<b>2.0000e-005</b>	<b>2.0500e-003</b>	<b>1.0000e-005</b>	<b>2.0700e-003</b>	<b>5.5000e-004</b>	<b>1.0000e-005</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>1.8584</b>	<b>1.8584</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8597</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.7 Paving - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.2800e-003	0.0902	0.2595	3.4000e-004		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	30.7667	30.7667	9.7300e-003	0.0000	31.0101
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.2800e-003</b>	<b>0.0902</b>	<b>0.2595</b>	<b>3.4000e-004</b>		<b>5.6000e-004</b>	<b>5.6000e-004</b>		<b>5.6000e-004</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>30.7667</b>	<b>30.7667</b>	<b>9.7300e-003</b>	<b>0.0000</b>	<b>31.0101</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.4000e-004	7.0000e-004	7.1200e-003	2.0000e-005	2.0500e-003	1.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.8584	1.8584	5.0000e-005	0.0000	1.8597
<b>Total</b>	<b>9.4000e-004</b>	<b>7.0000e-004</b>	<b>7.1200e-003</b>	<b>2.0000e-005</b>	<b>2.0500e-003</b>	<b>1.0000e-005</b>	<b>2.0700e-003</b>	<b>5.5000e-004</b>	<b>1.0000e-005</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>1.8584</b>	<b>1.8584</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.8597</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.8 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1100e-003	0.0489	0.0491	8.0000e-005		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	6.8087	6.8087	5.8000e-004	0.0000	6.8231
<b>Total</b>	<b>0.4326</b>	<b>0.0489</b>	<b>0.0491</b>	<b>8.0000e-005</b>		<b>3.4300e-003</b>	<b>3.4300e-003</b>		<b>3.4300e-003</b>	<b>3.4300e-003</b>	<b>0.0000</b>	<b>6.8087</b>	<b>6.8087</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>6.8231</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.3000e-004	4.3800e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	1.1436	1.1436	3.0000e-005	0.0000	1.1444
<b>Total</b>	<b>5.8000e-004</b>	<b>4.3000e-004</b>	<b>4.3800e-003</b>	<b>1.0000e-005</b>	<b>1.2600e-003</b>	<b>1.0000e-005</b>	<b>1.2700e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1436</b>	<b>1.1436</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1444</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**3.8 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4500e-003	0.0283	0.0489	8.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	6.8087	6.8087	5.8000e-004	0.0000	6.8231
<b>Total</b>	<b>0.4269</b>	<b>0.0283</b>	<b>0.0489</b>	<b>8.0000e-005</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>		<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>6.8087</b>	<b>6.8087</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>6.8231</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.3000e-004	4.3800e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	1.1436	1.1436	3.0000e-005	0.0000	1.1444
<b>Total</b>	<b>5.8000e-004</b>	<b>4.3000e-004</b>	<b>4.3800e-003</b>	<b>1.0000e-005</b>	<b>1.2600e-003</b>	<b>1.0000e-005</b>	<b>1.2700e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1436</b>	<b>1.1436</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1444</b>

**4.0 Operational Detail - Mobile**

First Street Green Project - Bay Area AQMD Air District, Annual

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248
Unmitigated	0.4247	1.9898	4.8752	0.0138	1.0692	0.0185	1.0877	0.2871	0.0175	0.3045	0.0000	1,257.9663	1,257.9663	0.0543	0.0000	1,259.3248

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Fast Food Restaurant w/o Drive Thru	0.00	0.00	0.00		
General Office Building	1,175.20	1,667.20	868.80	2,871,800	2,871,800
Total	1,175.20	1,667.20	868.80	2,871,800	2,871,800

**4.3 Trip Type Information**

First Street Green Project - Bay Area AQMD Air District, Annual

Land Use	Miles							Trip %			Trip Purpose %
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by		
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6		
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0		
Fast Food Restaurant w/o Drive Thru	9.50	7.30	7.30	1.50	79.50	19.00	51	37	12		
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4		

4.4 Fleet Mix

Land Use	LDA	LD1	LD2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
Enclosed Parking Structure	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
Fast Food Restaurant w/o Drive Thru	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812
General Office Building	0.573139	0.040894	0.193976	0.114604	0.017740	0.005371	0.017133	0.024527	0.002545	0.002442	0.005942	0.000877	0.000812

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

First Street Green Project - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	302.9088	302.9088	0.0206	4.2600e-003	304.6915
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	308.5163	308.5163	0.0210	4.3400e-003	310.3320
NaturalGas Mitigated	7.8000e-003	0.0710	0.0596	4.3000e-004		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003	0.0000	77.2376	77.2376	1.4800e-003	1.4200e-003	77.6966
NaturalGas Unmitigated	8.1700e-003	0.0743	0.0624	4.5000e-004		5.6500e-003	5.6500e-003		5.6500e-003	5.6500e-003	0.0000	80.8917	80.8917	1.5500e-003	1.4800e-003	81.3724

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	199853	1.0800e-003	9.8000e-003	8.2300e-003	6.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	10.6649	10.6649	2.0000e-004	2.0000e-004	10.7283
General Office Building	1.316e+006	7.1000e-003	0.0645	0.0542	3.9000e-004		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	70.2268	70.2268	1.3500e-003	1.2900e-003	70.6441
<b>Total</b>		<b>8.1800e-003</b>	<b>0.0743</b>	<b>0.0624</b>	<b>4.5000e-004</b>		<b>5.6400e-003</b>	<b>5.6400e-003</b>		<b>5.6400e-003</b>	<b>5.6400e-003</b>	<b>0.0000</b>	<b>80.8917</b>	<b>80.8917</b>	<b>1.5500e-003</b>	<b>1.4900e-003</b>	<b>81.3724</b>



First Street Green Project - Bay Area AQMD Air District, Annual

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	196939	1.0600e-003	9.6500e-003	8.1100e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.5094	10.5094	2.0000e-004	1.9000e-004	10.5719
General Office Building	1.25044e+006	6.7400e-003	0.0613	0.0515	3.7000e-004		4.6600e-003	4.6600e-003		4.6600e-003	4.6600e-003	0.0000	66.7282	66.7282	1.2800e-003	1.2200e-003	67.1248
<b>Total</b>		<b>7.8000e-003</b>	<b>0.0710</b>	<b>0.0596</b>	<b>4.3000e-004</b>		<b>5.3900e-003</b>	<b>5.3900e-003</b>		<b>5.3900e-003</b>	<b>5.3900e-003</b>	<b>0.0000</b>	<b>77.2376</b>	<b>77.2376</b>	<b>1.4800e-003</b>	<b>1.4100e-003</b>	<b>77.6966</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	103490	20.0444	1.3600e-003	2.8000e-004	20.1623
Fast Food Restaurant w/o Drive Thru	31795.2	6.1582	4.2000e-004	9.0000e-005	6.1945
General Office Building	1.4576e+006	282.3137	0.0192	3.9700e-003	283.9752
<b>Total</b>		<b>308.5163</b>	<b>0.0210</b>	<b>4.3400e-003</b>	<b>310.3320</b>

## First Street Green Project - Bay Area AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	100393	19.4446	1.3200e-003	2.7000e-004	19.5590
Fast Food Restaurant w/o Drive Thru	31540.3	6.1089	4.1000e-004	9.0000e-005	6.1448
General Office Building	1.432e+006	277.3554	0.0188	3.9000e-003	278.9877
<b>Total</b>		<b>302.9088</b>	<b>0.0206</b>	<b>4.2600e-003</b>	<b>304.6915</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

First Street Green Project - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
Unmitigated	0.3601	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
<b>Total</b>	<b>0.3601</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.7400e-003</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8500e-003</b>

First Street Green Project - Bay Area AQMD Air District, Annual

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7400e-003	1.7400e-003	0.0000	0.0000	1.8500e-003
<b>Total</b>	<b>0.3601</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.7400e-003</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8500e-003</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

First Street Green Project - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.1425	0.4743	0.0115	41.4164
Unmitigated	26.1425	0.4743	0.0115	41.4164

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.607655	0.4119	3.0000e-005	1.0000e-005	0.4144
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.291392 / 0.0185995	0.4104	9.5200e-003	2.3000e-004	0.7165
General Office Building	14.2187 / 8.71469	25.3201	0.4647	0.0112	40.2856
<b>Total</b>		<b>26.1425</b>	<b>0.4743</b>	<b>0.0115</b>	<b>41.4164</b>

## First Street Green Project - Bay Area AQMD Air District, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.607655	0.4119	3.0000e-005	1.0000e-005	0.4144
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	0.291392 / 0.0185995	0.4104	9.5200e-003	2.3000e-004	0.7165
General Office Building	14.2187 / 8.71469	25.3201	0.4647	0.0112	40.2856
<b>Total</b>		<b>26.1425</b>	<b>0.4743</b>	<b>0.0115</b>	<b>41.4164</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

First Street Green Project - Bay Area AQMD Air District, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.3557	1.0257	0.0000	42.9981
Unmitigated	17.3557	1.0257	0.0000	42.9981

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	11.06	2.2451	0.1327	0.0000	5.5621
General Office Building	74.4	15.1025	0.8925	0.0000	37.4159
<b>Total</b>		<b>17.3557</b>	<b>1.0257</b>	<b>0.0000</b>	<b>42.9981</b>



First Street Green Project - Bay Area AQMD Air District, Annual

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.04	8.1200e-003	4.8000e-004	0.0000	0.0201
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	11.06	2.2451	0.1327	0.0000	5.5621
General Office Building	74.4	15.1025	0.8925	0.0000	37.4159
<b>Total</b>		<b>17.3557</b>	<b>1.0257</b>	<b>0.0000</b>	<b>42.9981</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

First Street Green Project - Bay Area AQMD Air District, Annual

Equipment Type	Number
----------------	--------

## 11.0 Vegetation

---

## **APPENDIX C**

### **HRA CONSTRUCTION EMISSION SUMMARY**

**CALEEMOD SUMMARY FOR ONSITE EMISSIONS**

	<b>Project Applicant List Risk</b>	<b>Project Applicant List with DPF</b>	<b>Interim Tier 4</b>	<b>Final Tier 4</b>
<b>Demo 2018</b>	0.00047	0.00047	0.0005	0.0005
<b>Site Prep 2018</b>	0.00397	0.00063	0.0004	0.0004
<b>Grading 2018</b>	0.00192	0.0004	0.0003	0.0003
<b>Building 2018</b>	0.0153	0.00237	0.0016	0.0016
<b>2018 tpy</b>	0.02166	0.00387	0.0028	0.0028
<b>2018 lbs</b>	43.32	7.74	5.5600	5.5600
<b>Building 2019</b>	0.0115	0.00351	0.00238	0.00238
<b>Paving 2019</b>	0.00257	0.0019	0.00056	0.00056
<b>Architectural Coating 2019</b>	0.00254	0.00038	0.00011	0.00011
<b>2019 tpy</b>	0.01984	0.00579	0.00305	0.00305
<b>2019 lbs</b>	39.68	11.58	6.1	6.1
<b>Grand Total</b>	83	19.32	11.66	11.66
<b>% Reduction</b>	N/A	70.82%	84.63%	84.63%
<b>RISK</b>	31.2	7.26	4.38	4.38

## **APPENDIX D**

### **MODEL IMAGES**

Figure 1: Unmitigated Cancer Risk



Figure 2: Unmitigated Chronic HI

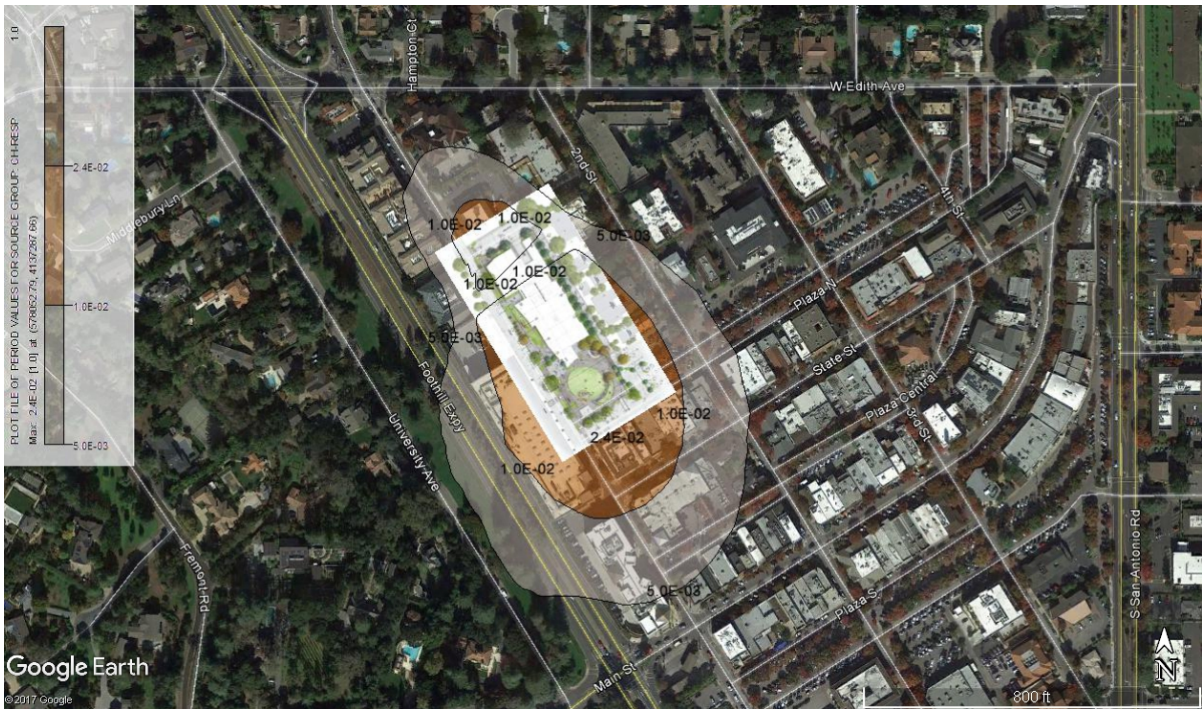


Figure 3: Unmitigated PM<sub>2.5</sub>

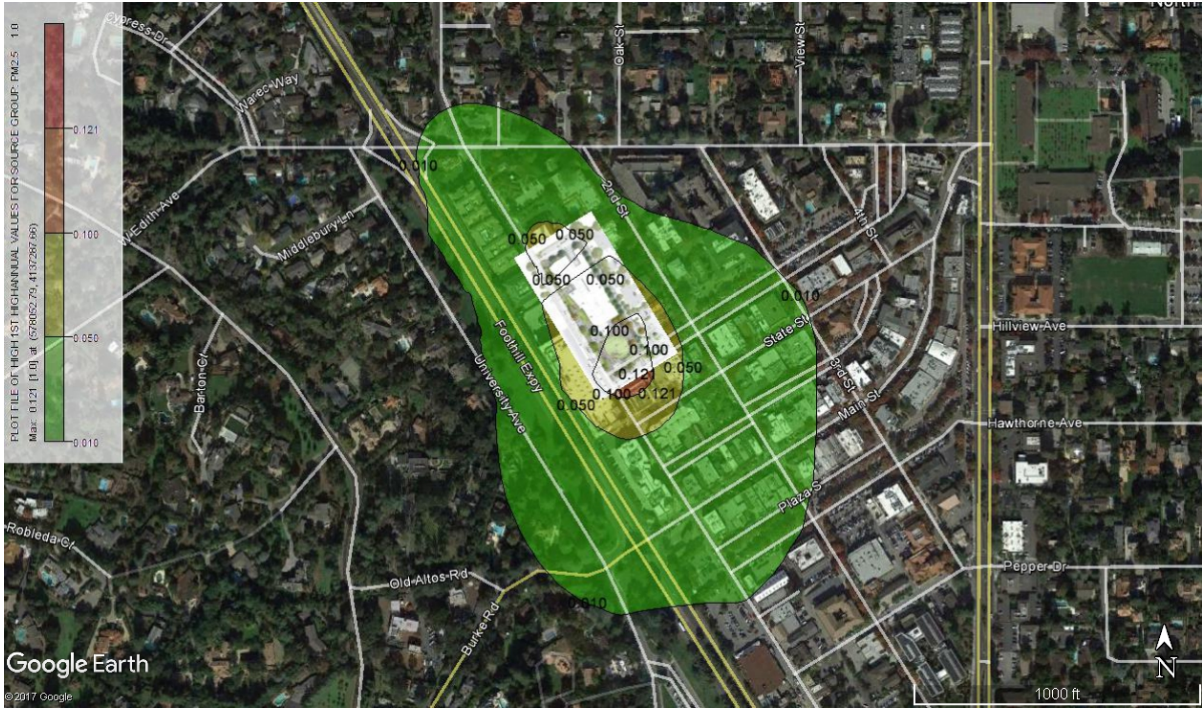


Figure 4: Mitigated Cancer Risk



Figure 5: Mitigated Chronic HI

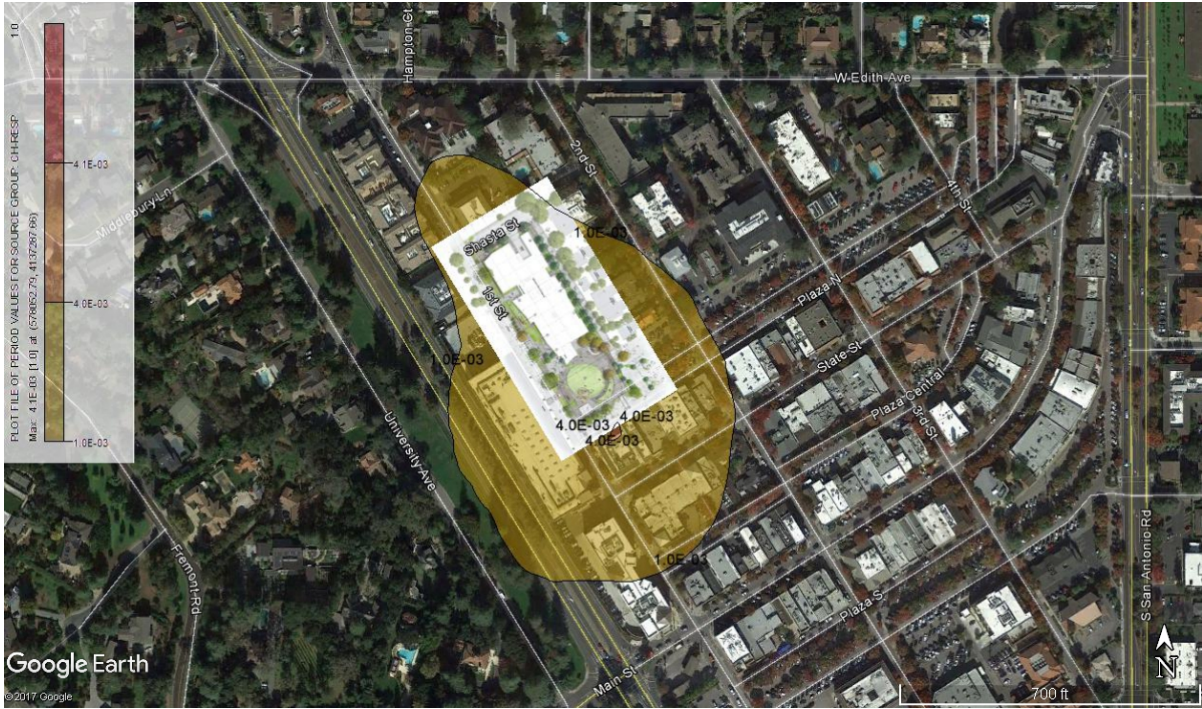


Figure 6: Mitigated PM<sub>2.5</sub>





Figure 7: Receptor Grid



## **APPENDIX E**

### **RISK CALCULATIONS**

Year 1

Updated

SCR ID	Stk ID	Pro ID	CAS	Name	Multiplier	Lbs Yr	% Reduction	Lbs Yr
Construction	0	0	9901	DieselExhPM	1	9.32	22.2%	7.25
Trk_Travel_S	0	0	9901	DieselExhPM	1	0.080878343		
Trk_Travel_N	0	0	9901	DieselExhPM	1	0.069918668		

Updated

Year 2

							% Reduction	Lbs Yr
Construction	0	0	9901	DieselExhPM	1	7.58	19.5%	6.1
Trk_Travel_S	0	0	9901	DieselExhPM	1	0.046189547		
Trk_Travel_N	0	0	9901	DieselExhPM	1	0.039930487		

Rec ID	X	Y	Max Cancer Risk			UpdatedMax Cancer Risk		
			1yr	2yr	Total	1yr	2yr	Total
1 ALL	578053.02	4137356.55	3.27E-06	2.67E-06	5.94E-06	2.54E-06	2.14E-06	4.69E-06
2 ALL	578010.01	4137440.77	1.07E-06	8.72E-07	1.94E-06	8.31E-07	7.02E-07	1.53E-06
3 ALL	578015.15	4137432.89	1.28E-06	1.05E-06	2.33E-06	9.97E-07	8.41E-07	1.84E-06
4 ALL	578020.29	4137425.02	1.50E-06	1.22E-06	2.73E-06	1.17E-06	9.85E-07	2.15E-06
5 ALL	578025.42	4137417.14	1.70E-06	1.39E-06	3.08E-06	1.32E-06	1.11E-06	2.44E-06
6 ALL	578030.56	4137409.27	1.87E-06	1.52E-06	3.39E-06	1.45E-06	1.23E-06	2.68E-06
7 ALL	578035.7	4137401.39	2.01E-06	1.64E-06	3.65E-06	1.56E-06	1.32E-06	2.88E-06
8 ALL	578040.84	4137393.52	2.13E-06	1.73E-06	3.86E-06	1.65E-06	1.39E-06	3.05E-06
9 ALL	578045.98	4137385.64	2.22E-06	1.81E-06	4.03E-06	1.73E-06	1.45E-06	3.18E-06
10 ALL	578051.12	4137377.77	2.29E-06	1.87E-06	4.16E-06	1.78E-06	1.50E-06	3.28E-06
11 ALL	578056.26	4137369.89	2.34E-06	1.91E-06	4.26E-06	1.82E-06	1.54E-06	3.36E-06
12 ALL	578061.39	4137362.02	2.38E-06	1.94E-06	4.32E-06	1.85E-06	1.56E-06	3.42E-06
13 ALL	577987.06	4137465.71	8.49E-07	6.92E-07	1.54E-06	6.60E-07	5.57E-07	1.22E-06
14 ALL	578018.38	4137446.23	7.96E-07	6.49E-07	1.45E-06	6.19E-07	5.23E-07	1.14E-06
15 ALL	578023.52	4137438.36	9.34E-07	7.62E-07	1.70E-06	7.26E-07	6.13E-07	1.34E-06
16 ALL	578028.66	4137430.48	1.09E-06	8.85E-07	1.97E-06	8.44E-07	7.12E-07	1.56E-06
17 ALL	578033.8	4137422.61	1.23E-06	1.00E-06	2.24E-06	9.58E-07	8.08E-07	1.77E-06
18 ALL	578038.94	4137414.73	1.36E-06	1.11E-06	2.48E-06	1.06E-06	8.95E-07	1.96E-06
19 ALL	578044.08	4137406.86	1.48E-06	1.20E-06	2.68E-06	1.15E-06	9.69E-07	2.12E-06
20 ALL	578049.21	4137398.98	1.58E-06	1.28E-06	2.86E-06	1.23E-06	1.03E-06	2.26E-06
21 ALL	578054.35	4137391.11	1.66E-06	1.35E-06	3.01E-06	1.29E-06	1.09E-06	2.38E-06
22 ALL	578059.49	4137383.23	1.73E-06	1.41E-06	3.14E-06	1.34E-06	1.13E-06	2.48E-06
23 ALL	578064.63	4137375.36	1.79E-06	1.46E-06	3.24E-06	1.39E-06	1.17E-06	2.56E-06
24 ALL	578069.77	4137367.48	1.83E-06	1.49E-06	3.33E-06	1.43E-06	1.20E-06	2.63E-06
25 ALL	578002.9	4137472.48	5.55E-07	4.53E-07	1.01E-06	4.32E-07	3.65E-07	7.97E-07
26 ALL	577989.2	4137475.48	6.65E-07	5.42E-07	1.21E-06	5.17E-07	4.36E-07	9.54E-07
27 ALL	577974.27	4137472.86	8.99E-07	7.33E-07	1.63E-06	6.99E-07	5.90E-07	1.29E-06
28 ALL	578026.76	4137451.7	6.19E-07	5.05E-07	1.12E-06	4.81E-07	4.06E-07	8.87E-07
29 ALL	578031.9	4137443.82	7.14E-07	5.83E-07	1.30E-06	5.56E-07	4.69E-07	1.02E-06
30 ALL	578037.03	4137435.95	8.25E-07	6.73E-07	1.50E-06	6.42E-07	5.41E-07	1.18E-06
31 ALL	578042.17	4137428.07	9.38E-07	7.65E-07	1.70E-06	7.30E-07	6.15E-07	1.34E-06
32 ALL	578047.31	4137420.2	1.04E-06	8.50E-07	1.89E-06	8.12E-07	6.84E-07	1.50E-06
33 ALL	578052.45	4137412.32	1.14E-06	9.27E-07	2.06E-06	8.85E-07	7.46E-07	1.63E-06
34 ALL	578057.59	4137404.45	1.22E-06	9.95E-07	2.22E-06	9.50E-07	8.01E-07	1.75E-06
35 ALL	578062.73	4137396.57	1.29E-06	1.05E-06	2.35E-06	1.01E-06	8.49E-07	1.86E-06
36 ALL	578067.87	4137388.7	1.36E-06	1.11E-06	2.47E-06	1.06E-06	8.92E-07	1.95E-06
37 ALL	578073.01	4137380.82	1.42E-06	1.15E-06	2.57E-06	1.10E-06	9.29E-07	2.03E-06
38 ALL	578078.14	4137372.95	1.46E-06	1.19E-06	2.65E-06	1.14E-06	9.58E-07	2.09E-06
39 ALL	578011.28	4137477.95	4.43E-07	3.61E-07	8.04E-07	3.45E-07	2.91E-07	6.35E-07
40 ALL	577991.33	4137485.25	5.36E-07	4.37E-07	9.73E-07	4.17E-07	3.52E-07	7.69E-07
41 ALL	577976.4	4137482.63	7.10E-07	5.79E-07	1.29E-06	5.53E-07	4.66E-07	1.02E-06
42 ALL	578015.91	4137485.99	3.66E-07	2.99E-07	6.65E-07	2.85E-07	2.40E-07	5.25E-07
43 ALL	578008.42	4137491.16	3.76E-07	3.06E-07	6.82E-07	2.92E-07	2.47E-07	5.39E-07
44 ALL	577991.98	4137494.76	4.54E-07	3.70E-07	8.24E-07	3.53E-07	2.98E-07	6.51E-07
45 ALL	577983.02	4137493.19	5.32E-07	4.34E-07	9.65E-07	4.14E-07	3.49E-07	7.63E-07
46 ALL	577974.06	4137491.62	6.19E-07	5.05E-07	1.12E-06	4.82E-07	4.06E-07	8.88E-07
47 ALL	577965.1	4137490.05	7.10E-07	5.79E-07	1.29E-06	5.52E-07	4.66E-07	1.02E-06
48 ALL	577994.36	4137504.57	3.80E-07	3.09E-07	6.89E-07	2.95E-07	2.49E-07	5.44E-07
49 ALL	577976.94	4137501.52	5.04E-07	4.11E-07	9.15E-07	3.92E-07	3.31E-07	7.23E-07
50 ALL	577959.52	4137498.47	6.44E-07	5.25E-07	1.17E-06	5.01E-07	4.23E-07	9.23E-07
51 ALL	578047.99	4137486.35	2.62E-07	2.14E-07	4.75E-07	2.04E-07	1.72E-07	3.75E-07
52 ALL	577996.68	4137514.37	3.23E-07	2.63E-07	5.86E-07	2.51E-07	2.12E-07	4.63E-07
53 ALL	577979.61	4137511.38	4.20E-07	3.42E-07	7.62E-07	3.26E-07	2.75E-07	6.02E-07
54 ALL	577962.55	4137508.39	5.32E-07	4.34E-07	9.65E-07	4.14E-07	3.49E-07	7.63E-07
55 ALL	578060.26	4137473.55	2.97E-07	2.42E-07	5.39E-07	2.31E-07	1.95E-07	4.26E-07
56 ALL	578065.39	4137465.68	3.32E-07	2.71E-07	6.03E-07	2.58E-07	2.18E-07	4.77E-07
57 ALL	578070.53	4137457.81	3.74E-07	3.05E-07	6.79E-07	2.91E-07	2.45E-07	5.36E-07
58 ALL	578075.67	4137449.93	4.20E-07	3.43E-07	7.63E-07	3.27E-07	2.76E-07	6.03E-07

59 ALL	578080.81	4137442.06	4.70E-07	3.83E-07	8.52E-07	3.65E-07	3.08E-07	6.73E-07
60 ALL	578085.95	4137434.18	5.19E-07	4.23E-07	9.43E-07	4.04E-07	3.41E-07	7.45E-07
61 ALL	578091.09	4137426.31	5.68E-07	4.63E-07	1.03E-06	4.41E-07	3.72E-07	8.14E-07
62 ALL	578096.23	4137418.43	6.13E-07	5.00E-07	1.11E-06	4.77E-07	4.02E-07	8.80E-07
63 ALL	578101.37	4137410.56	6.55E-07	5.34E-07	1.19E-06	5.10E-07	4.30E-07	9.39E-07
64 ALL	578106.5	4137402.68	6.92E-07	5.64E-07	1.26E-06	5.38E-07	4.54E-07	9.92E-07
65 ALL	578111.64	4137394.81	7.21E-07	5.88E-07	1.31E-06	5.61E-07	4.73E-07	1.03E-06
66 ALL	578056.47	4137491.74	2.28E-07	1.86E-07	4.14E-07	1.77E-07	1.50E-07	3.27E-07
67 ALL	578042.44	4137501.42	2.24E-07	1.83E-07	4.06E-07	1.74E-07	1.47E-07	3.21E-07
68 ALL	578028.4	4137511.11	2.29E-07	1.87E-07	4.16E-07	1.78E-07	1.50E-07	3.29E-07
69 ALL	577982.15	4137521.22	3.55E-07	2.90E-07	6.45E-07	2.76E-07	2.33E-07	5.09E-07
70 ALL	577965.35	4137518.28	4.46E-07	3.63E-07	8.09E-07	3.47E-07	2.92E-07	6.39E-07
71 ALL	577948.55	4137515.33	5.35E-07	4.36E-07	9.72E-07	4.17E-07	3.51E-07	7.68E-07
72 ALL	578068.63	4137479.02	2.59E-07	2.11E-07	4.70E-07	2.01E-07	1.70E-07	3.71E-07
73 ALL	578073.77	4137471.15	2.88E-07	2.35E-07	5.23E-07	2.24E-07	1.89E-07	4.13E-07
74 ALL	578078.91	4137463.27	3.22E-07	2.63E-07	5.85E-07	2.51E-07	2.12E-07	4.62E-07
75 ALL	578084.05	4137455.4	3.61E-07	2.94E-07	6.55E-07	2.81E-07	2.37E-07	5.17E-07
76 ALL	578089.19	4137447.52	4.02E-07	3.28E-07	7.30E-07	3.13E-07	2.64E-07	5.76E-07
77 ALL	578094.32	4137439.65	4.44E-07	3.62E-07	8.07E-07	3.46E-07	2.91E-07	6.37E-07
78 ALL	578099.46	4137431.77	4.87E-07	3.97E-07	8.83E-07	3.78E-07	3.19E-07	6.98E-07
79 ALL	578104.6	4137423.9	5.27E-07	4.29E-07	9.56E-07	4.10E-07	3.46E-07	7.55E-07
80 ALL	578109.74	4137416.02	5.64E-07	4.60E-07	1.02E-06	4.39E-07	3.70E-07	8.09E-07
81 ALL	578114.88	4137408.15	5.97E-07	4.87E-07	1.08E-06	4.65E-07	3.92E-07	8.56E-07
82 ALL	578120.02	4137400.27	6.25E-07	5.09E-07	1.13E-06	4.86E-07	4.10E-07	8.95E-07
83 ALL	578064.93	4137497.14	2.01E-07	1.64E-07	3.66E-07	1.57E-07	1.32E-07	2.89E-07
84 ALL	578051.07	4137506.71	1.96E-07	1.60E-07	3.56E-07	1.52E-07	1.29E-07	2.81E-07
85 ALL	578037.21	4137516.27	1.99E-07	1.62E-07	3.60E-07	1.54E-07	1.30E-07	2.85E-07
86 ALL	578023.34	4137525.84	2.07E-07	1.69E-07	3.76E-07	1.61E-07	1.36E-07	2.97E-07
87 ALL	577968	4137528.14	3.78E-07	3.08E-07	6.87E-07	2.94E-07	2.48E-07	5.43E-07
88 ALL	577951.41	4137525.23	4.55E-07	3.71E-07	8.26E-07	3.54E-07	2.98E-07	6.52E-07
89 ALL	578077.01	4137484.48	2.28E-07	1.86E-07	4.14E-07	1.77E-07	1.50E-07	3.27E-07
90 ALL	578082.14	4137476.61	2.53E-07	2.06E-07	4.59E-07	1.97E-07	1.66E-07	3.62E-07
91 ALL	578087.28	4137468.74	2.81E-07	2.29E-07	5.11E-07	2.19E-07	1.85E-07	4.03E-07
92 ALL	578092.42	4137460.86	3.14E-07	2.56E-07	5.69E-07	2.44E-07	2.06E-07	4.50E-07
93 ALL	578097.56	4137452.99	3.49E-07	2.84E-07	6.33E-07	2.71E-07	2.29E-07	5.00E-07
94 ALL	578102.7	4137445.11	3.85E-07	3.14E-07	6.99E-07	3.00E-07	2.53E-07	5.52E-07
95 ALL	578107.84	4137437.24	4.22E-07	3.44E-07	7.65E-07	3.28E-07	2.76E-07	6.04E-07
96 ALL	578112.98	4137429.36	4.57E-07	3.72E-07	8.29E-07	3.55E-07	3.00E-07	6.55E-07
97 ALL	578118.11	4137421.49	4.90E-07	3.99E-07	8.89E-07	3.81E-07	3.21E-07	7.03E-07
98 ALL	578123.25	4137413.61	5.20E-07	4.24E-07	9.44E-07	4.04E-07	3.41E-07	7.45E-07
99 ALL	578128.39	4137405.74	5.45E-07	4.44E-07	9.89E-07	4.24E-07	3.58E-07	7.82E-07
100 ALL	578133.53	4137397.86	5.65E-07	4.61E-07	1.03E-06	4.40E-07	3.71E-07	8.10E-07
101 ALL	578080.53	4137508	1.63E-07	1.33E-07	2.96E-07	1.27E-07	1.07E-07	2.34E-07
102 ALL	578073.09	4137513.13	1.59E-07	1.30E-07	2.88E-07	1.24E-07	1.04E-07	2.28E-07
103 ALL	578058.22	4137523.4	1.56E-07	1.27E-07	2.83E-07	1.21E-07	1.02E-07	2.24E-07
104 ALL	578043.34	4137533.66	1.59E-07	1.30E-07	2.88E-07	1.24E-07	1.04E-07	2.28E-07
105 ALL	578087.97	4137502.87	1.69E-07	1.38E-07	3.06E-07	1.31E-07	1.11E-07	2.42E-07
106 ALL	578093.11	4137494.99	1.84E-07	1.50E-07	3.34E-07	1.43E-07	1.21E-07	2.64E-07
107 ALL	578098.25	4137487.12	2.02E-07	1.65E-07	3.68E-07	1.57E-07	1.33E-07	2.90E-07
108 ALL	578103.39	4137479.24	2.24E-07	1.82E-07	4.06E-07	1.74E-07	1.47E-07	3.21E-07
109 ALL	578108.53	4137471.37	2.47E-07	2.02E-07	4.49E-07	1.92E-07	1.62E-07	3.55E-07
110 ALL	578113.66	4137463.5	2.73E-07	2.23E-07	4.96E-07	2.13E-07	1.79E-07	3.92E-07
111 ALL	578118.8	4137455.62	3.01E-07	2.45E-07	5.46E-07	2.34E-07	1.97E-07	4.31E-07
112 ALL	578123.94	4137447.75	3.28E-07	2.68E-07	5.96E-07	2.55E-07	2.15E-07	4.71E-07
113 ALL	578129.08	4137439.87	3.56E-07	2.90E-07	6.45E-07	2.77E-07	2.33E-07	5.10E-07
114 ALL	578134.22	4137432	3.82E-07	3.11E-07	6.93E-07	2.97E-07	2.50E-07	5.47E-07
115 ALL	578139.36	4137424.12	4.06E-07	3.31E-07	7.37E-07	3.16E-07	2.66E-07	5.82E-07
116 ALL	578144.5	4137416.25	4.27E-07	3.48E-07	7.76E-07	3.32E-07	2.80E-07	6.13E-07

117 ALL	578149.64	4137408.37	4.46E-07	3.63E-07	8.09E-07	3.47E-07	2.92E-07	6.39E-07
118 ALL	578096.88	4137518.34	1.36E-07	1.11E-07	2.47E-07	1.06E-07	8.92E-08	1.95E-07
119 ALL	578082.48	4137528.28	1.30E-07	1.06E-07	2.35E-07	1.01E-07	8.50E-08	1.86E-07
120 ALL	578039.29	4137558.08	1.34E-07	1.10E-07	2.44E-07	1.04E-07	8.81E-08	1.93E-07
121 ALL	578024.89	4137568.01	1.41E-07	1.15E-07	2.56E-07	1.10E-07	9.26E-08	2.02E-07
122 ALL	578009.08	4137571.47	1.59E-07	1.30E-07	2.88E-07	1.24E-07	1.04E-07	2.28E-07
123 ALL	577991.85	4137568.45	1.92E-07	1.57E-07	3.49E-07	1.49E-07	1.26E-07	2.75E-07
124 ALL	577974.63	4137565.43	2.31E-07	1.89E-07	4.20E-07	1.80E-07	1.52E-07	3.32E-07
125 ALL	577957.4	4137562.41	2.75E-07	2.24E-07	4.99E-07	2.14E-07	1.80E-07	3.94E-07
126 ALL	577940.17	4137559.39	3.19E-07	2.60E-07	5.79E-07	2.48E-07	2.09E-07	4.57E-07
127 ALL	577922.94	4137556.38	3.59E-07	2.93E-07	6.52E-07	2.79E-07	2.36E-07	5.15E-07
128 ALL	578109.22	4137505.5	1.53E-07	1.24E-07	2.77E-07	1.19E-07	1.00E-07	2.19E-07
129 ALL	578114.35	4137497.63	1.67E-07	1.36E-07	3.02E-07	1.30E-07	1.09E-07	2.39E-07
130 ALL	578119.49	4137489.75	1.83E-07	1.49E-07	3.32E-07	1.42E-07	1.20E-07	2.62E-07
131 ALL	578124.63	4137481.88	2.01E-07	1.64E-07	3.65E-07	1.56E-07	1.32E-07	2.88E-07
132 ALL	578129.77	4137474	2.21E-07	1.80E-07	4.00E-07	1.72E-07	1.45E-07	3.16E-07
133 ALL	578134.91	4137466.13	2.41E-07	1.97E-07	4.38E-07	1.88E-07	1.58E-07	3.46E-07
134 ALL	578140.05	4137458.26	2.63E-07	2.14E-07	4.77E-07	2.04E-07	1.72E-07	3.76E-07
135 ALL	578145.19	4137450.38	2.84E-07	2.31E-07	5.15E-07	2.21E-07	1.86E-07	4.07E-07
136 ALL	578150.32	4137442.51	3.05E-07	2.48E-07	5.53E-07	2.37E-07	2.00E-07	4.37E-07
137 ALL	578155.46	4137434.63	3.25E-07	2.65E-07	5.89E-07	2.53E-07	2.13E-07	4.65E-07
138 ALL	578160.6	4137426.76	3.43E-07	2.79E-07	6.22E-07	2.67E-07	2.25E-07	4.91E-07
139 ALL	578165.74	4137418.88	3.59E-07	2.92E-07	6.51E-07	2.79E-07	2.35E-07	5.14E-07
140 ALL	578105.05	4137534.33	1.12E-07	9.11E-08	2.03E-07	8.69E-08	7.33E-08	1.60E-07
141 ALL	578067.21	4137560.44	1.07E-07	8.76E-08	1.95E-07	8.35E-08	7.05E-08	1.54E-07
142 ALL	578059.64	4137565.66	1.09E-07	8.86E-08	1.97E-07	8.45E-08	7.13E-08	1.56E-07
143 ALL	578052.07	4137570.88	1.10E-07	9.01E-08	2.01E-07	8.59E-08	7.25E-08	1.58E-07
144 ALL	578044.51	4137576.1	1.13E-07	9.19E-08	2.05E-07	8.76E-08	7.40E-08	1.62E-07
145 ALL	578036.94	4137581.32	1.15E-07	9.41E-08	2.09E-07	8.97E-08	7.57E-08	1.65E-07
146 ALL	578029.37	4137586.54	1.18E-07	9.65E-08	2.15E-07	9.20E-08	7.76E-08	1.70E-07
147 ALL	578012.75	4137590.18	1.33E-07	1.08E-07	2.41E-07	1.03E-07	8.70E-08	1.90E-07
148 ALL	578003.69	4137588.59	1.45E-07	1.18E-07	2.64E-07	1.13E-07	9.54E-08	2.08E-07
149 ALL	577994.64	4137587	1.59E-07	1.30E-07	2.89E-07	1.24E-07	1.05E-07	2.29E-07
150 ALL	577985.58	4137585.42	1.75E-07	1.42E-07	3.17E-07	1.36E-07	1.15E-07	2.50E-07
151 ALL	577976.52	4137583.83	1.91E-07	1.56E-07	3.47E-07	1.49E-07	1.25E-07	2.74E-07
152 ALL	577967.47	4137582.24	2.08E-07	1.70E-07	3.78E-07	1.62E-07	1.37E-07	2.99E-07
153 ALL	577958.41	4137580.66	2.26E-07	1.84E-07	4.10E-07	1.76E-07	1.48E-07	3.24E-07
154 ALL	577949.36	4137579.07	2.44E-07	1.99E-07	4.42E-07	1.90E-07	1.60E-07	3.49E-07
155 ALL	577940.3	4137577.49	2.62E-07	2.13E-07	4.75E-07	2.04E-07	1.72E-07	3.75E-07
156 ALL	577931.24	4137575.9	2.80E-07	2.28E-07	5.08E-07	2.18E-07	1.84E-07	4.01E-07
157 ALL	577922.19	4137574.31	2.97E-07	2.42E-07	5.39E-07	2.31E-07	1.95E-07	4.26E-07
158 ALL	577913.13	4137572.73	3.13E-07	2.55E-07	5.67E-07	2.43E-07	2.05E-07	4.48E-07
159 ALL	578099.5	4137559.78	9.12E-08	7.44E-08	1.66E-07	7.09E-08	5.99E-08	1.31E-07
160 ALL	578084.78	4137569.93	9.06E-08	7.39E-08	1.65E-07	7.05E-08	5.95E-08	1.30E-07
161 ALL	578070.06	4137580.09	9.19E-08	7.50E-08	1.67E-07	7.15E-08	6.04E-08	1.32E-07
162 ALL	578062.7	4137585.17	9.31E-08	7.59E-08	1.69E-07	7.24E-08	6.11E-08	1.34E-07
163 ALL	578047.99	4137595.32	9.65E-08	7.87E-08	1.75E-07	7.51E-08	6.34E-08	1.38E-07
164 ALL	578040.63	4137600.4	9.86E-08	8.04E-08	1.79E-07	7.67E-08	6.47E-08	1.41E-07
165 ALL	578017.11	4137609.01	1.12E-07	9.10E-08	2.03E-07	8.68E-08	7.33E-08	1.60E-07
166 ALL	577999.49	4137605.92	1.32E-07	1.07E-07	2.39E-07	1.02E-07	8.64E-08	1.89E-07
167 ALL	577981.88	4137602.84	1.55E-07	1.27E-07	2.82E-07	1.21E-07	1.02E-07	2.23E-07
168 ALL	577964.27	4137599.75	1.81E-07	1.48E-07	3.29E-07	1.41E-07	1.19E-07	2.60E-07
169 ALL	577946.66	4137596.67	2.09E-07	1.70E-07	3.79E-07	1.63E-07	1.37E-07	3.00E-07
170 ALL	577929.05	4137593.58	2.37E-07	1.93E-07	4.31E-07	1.85E-07	1.56E-07	3.40E-07
171 ALL	577911.44	4137590.5	2.64E-07	2.15E-07	4.79E-07	2.05E-07	1.73E-07	3.79E-07
172 ALL	578151.7	4137510.77	1.30E-07	1.06E-07	2.37E-07	1.01E-07	8.55E-08	1.87E-07
173 ALL	578156.84	4137502.9	1.42E-07	1.15E-07	2.57E-07	1.10E-07	9.29E-08	2.03E-07
174 ALL	578161.98	4137495.02	1.54E-07	1.25E-07	2.79E-07	1.20E-07	1.01E-07	2.21E-07

175 ALL	578167.12	4137487.15	1.67E-07	1.36E-07	3.03E-07	1.30E-07	1.09E-07	2.39E-07
176 ALL	578172.26	4137479.27	1.80E-07	1.47E-07	3.27E-07	1.40E-07	1.18E-07	2.58E-07
177 ALL	578177.4	4137471.4	1.94E-07	1.58E-07	3.52E-07	1.51E-07	1.27E-07	2.78E-07
178 ALL	578182.53	4137463.53	2.07E-07	1.69E-07	3.77E-07	1.61E-07	1.36E-07	2.97E-07
179 ALL	578187.67	4137455.65	2.21E-07	1.80E-07	4.01E-07	1.72E-07	1.45E-07	3.16E-07
180 ALL	578192.81	4137447.78	2.33E-07	1.90E-07	4.23E-07	1.81E-07	1.53E-07	3.34E-07
181 ALL	578129.45	4137560.74	8.20E-08	6.69E-08	1.49E-07	6.38E-08	5.38E-08	1.18E-07
182 ALL	578121.8	4137566.01	8.03E-08	6.55E-08	1.46E-07	6.25E-08	5.27E-08	1.15E-07
183 ALL	578114.15	4137571.29	7.91E-08	6.45E-08	1.44E-07	6.15E-08	5.19E-08	1.13E-07
184 ALL	578106.5	4137576.57	7.84E-08	6.40E-08	1.42E-07	6.10E-08	5.15E-08	1.12E-07
185 ALL	578098.85	4137581.84	7.82E-08	6.38E-08	1.42E-07	6.08E-08	5.13E-08	1.12E-07
186 ALL	578091.21	4137587.12	7.83E-08	6.39E-08	1.42E-07	6.09E-08	5.14E-08	1.12E-07
187 ALL	578083.56	4137592.4	7.88E-08	6.43E-08	1.43E-07	6.13E-08	5.17E-08	1.13E-07
188 ALL	578075.91	4137597.68	7.96E-08	6.49E-08	1.45E-07	6.19E-08	5.23E-08	1.14E-07
189 ALL	578068.26	4137602.95	8.07E-08	6.58E-08	1.46E-07	6.27E-08	5.30E-08	1.16E-07
190 ALL	578060.61	4137608.23	8.20E-08	6.69E-08	1.49E-07	6.38E-08	5.38E-08	1.18E-07
191 ALL	578052.96	4137613.51	8.35E-08	6.81E-08	1.52E-07	6.49E-08	5.48E-08	1.20E-07
192 ALL	578045.32	4137618.78	8.51E-08	6.94E-08	1.55E-07	6.62E-08	5.59E-08	1.22E-07
193 ALL	578037.67	4137624.06	8.70E-08	7.09E-08	1.58E-07	6.77E-08	5.71E-08	1.25E-07
194 ALL	578020.87	4137627.73	9.60E-08	7.83E-08	1.74E-07	7.47E-08	6.30E-08	1.38E-07
195 ALL	578011.71	4137626.13	1.04E-07	8.47E-08	1.89E-07	8.08E-08	6.82E-08	1.49E-07
196 ALL	578002.56	4137624.53	1.12E-07	9.17E-08	2.04E-07	8.75E-08	7.38E-08	1.61E-07
197 ALL	577993.41	4137622.92	1.22E-07	9.93E-08	2.21E-07	9.48E-08	7.99E-08	1.75E-07
198 ALL	577984.26	4137621.32	1.32E-07	1.08E-07	2.39E-07	1.03E-07	8.65E-08	1.89E-07
199 ALL	577975.1	4137619.72	1.43E-07	1.16E-07	2.59E-07	1.11E-07	9.35E-08	2.04E-07
200 ALL	577965.95	4137618.11	1.54E-07	1.25E-07	2.79E-07	1.20E-07	1.01E-07	2.20E-07
201 ALL	577956.8	4137616.51	1.65E-07	1.35E-07	3.00E-07	1.28E-07	1.08E-07	2.37E-07
202 ALL	577947.65	4137614.91	1.77E-07	1.44E-07	3.21E-07	1.38E-07	1.16E-07	2.54E-07
203 ALL	577938.49	4137613.3	1.89E-07	1.54E-07	3.43E-07	1.47E-07	1.24E-07	2.71E-07
204 ALL	577929.34	4137611.7	2.01E-07	1.64E-07	3.64E-07	1.56E-07	1.32E-07	2.88E-07
205 ALL	577920.19	4137610.1	2.12E-07	1.73E-07	3.86E-07	1.65E-07	1.39E-07	3.05E-07
206 ALL	577911.04	4137608.49	2.24E-07	1.82E-07	4.06E-07	1.74E-07	1.47E-07	3.21E-07
207 ALL	577901.88	4137606.89	2.35E-07	1.91E-07	4.26E-07	1.83E-07	1.54E-07	3.37E-07
208 ALL	577892.73	4137605.29	2.45E-07	2.00E-07	4.45E-07	1.91E-07	1.61E-07	3.51E-07
209 ALL	578157.53	4137537.03	9.68E-08	7.90E-08	1.76E-07	7.53E-08	6.36E-08	1.39E-07
210 ALL	578162.67	4137529.16	1.04E-07	8.51E-08	1.89E-07	8.12E-08	6.85E-08	1.50E-07
211 ALL	578167.81	4137521.28	1.13E-07	9.19E-08	2.05E-07	8.77E-08	7.40E-08	1.62E-07
212 ALL	578172.95	4137513.41	1.22E-07	9.94E-08	2.21E-07	9.49E-08	8.00E-08	1.75E-07
213 ALL	578178.09	4137505.53	1.32E-07	1.08E-07	2.39E-07	1.03E-07	8.65E-08	1.89E-07
214 ALL	578183.22	4137497.66	1.42E-07	1.16E-07	2.59E-07	1.11E-07	9.34E-08	2.04E-07
215 ALL	578188.36	4137489.78	1.53E-07	1.25E-07	2.78E-07	1.19E-07	1.01E-07	2.20E-07
216 ALL	578193.5	4137481.91	1.65E-07	1.34E-07	2.99E-07	1.28E-07	1.08E-07	2.36E-07
217 ALL	578198.64	4137474.03	1.76E-07	1.43E-07	3.19E-07	1.37E-07	1.15E-07	2.52E-07
218 ALL	578203.78	4137466.16	1.87E-07	1.52E-07	3.39E-07	1.45E-07	1.22E-07	2.68E-07
219 ALL	578208.92	4137458.29	1.97E-07	1.61E-07	3.58E-07	1.53E-07	1.29E-07	2.83E-07
220 ALL	578161.03	4137560.57	7.70E-08	6.28E-08	1.40E-07	5.99E-08	5.06E-08	1.10E-07
221 ALL	578153.57	4137565.72	7.46E-08	6.09E-08	1.35E-07	5.80E-08	4.90E-08	1.07E-07
222 ALL	578138.64	4137576.02	7.10E-08	5.79E-08	1.29E-07	5.52E-08	4.66E-08	1.02E-07
223 ALL	578131.17	4137581.17	6.98E-08	5.69E-08	1.27E-07	5.43E-08	4.58E-08	1.00E-07
224 ALL	578123.71	4137586.32	6.89E-08	5.62E-08	1.25E-07	5.36E-08	4.53E-08	9.89E-08
225 ALL	578116.24	4137591.47	6.85E-08	5.59E-08	1.24E-07	5.33E-08	4.50E-08	9.82E-08
226 ALL	578108.78	4137596.62	6.83E-08	5.57E-08	1.24E-07	5.31E-08	4.48E-08	9.80E-08
227 ALL	578101.31	4137601.77	6.84E-08	5.58E-08	1.24E-07	5.32E-08	4.49E-08	9.81E-08
228 ALL	578093.85	4137606.92	6.88E-08	5.61E-08	1.25E-07	5.35E-08	4.51E-08	9.86E-08
229 ALL	578086.38	4137612.07	6.93E-08	5.66E-08	1.26E-07	5.39E-08	4.55E-08	9.95E-08
230 ALL	578078.92	4137617.22	7.01E-08	5.72E-08	1.27E-07	5.45E-08	4.60E-08	1.01E-07
231 ALL	578071.45	4137622.37	7.10E-08	5.79E-08	1.29E-07	5.52E-08	4.66E-08	1.02E-07
232 ALL	578063.99	4137627.52	7.20E-08	5.88E-08	1.31E-07	5.60E-08	4.73E-08	1.03E-07

233 ALL	578056.52	4137632.67	7.32E-08	5.97E-08	1.33E-07	5.70E-08	4.81E-08	1.05E-07
234 ALL	578041.59	4137642.97	7.61E-08	6.21E-08	1.38E-07	5.92E-08	5.00E-08	1.09E-07
235 ALL	578025.19	4137646.56	8.33E-08	6.79E-08	1.51E-07	6.48E-08	5.46E-08	1.19E-07
236 ALL	578016.26	4137644.99	8.94E-08	7.29E-08	1.62E-07	6.95E-08	5.87E-08	1.28E-07
237 ALL	578007.33	4137643.43	9.61E-08	7.84E-08	1.74E-07	7.48E-08	6.31E-08	1.38E-07
238 ALL	577998.39	4137641.86	1.03E-07	8.43E-08	1.88E-07	8.04E-08	6.79E-08	1.48E-07
239 ALL	577989.46	4137640.3	1.11E-07	9.07E-08	2.02E-07	8.65E-08	7.30E-08	1.59E-07
240 ALL	577980.53	4137638.73	1.19E-07	9.74E-08	2.17E-07	9.29E-08	7.84E-08	1.71E-07
241 ALL	577971.59	4137637.17	1.28E-07	1.04E-07	2.33E-07	9.97E-08	8.41E-08	1.84E-07
242 ALL	577962.66	4137635.6	1.37E-07	1.12E-07	2.49E-07	1.07E-07	9.00E-08	1.97E-07
243 ALL	577953.73	4137634.04	1.46E-07	1.19E-07	2.66E-07	1.14E-07	9.60E-08	2.10E-07
244 ALL	577944.79	4137632.47	1.56E-07	1.27E-07	2.83E-07	1.21E-07	1.02E-07	2.23E-07
245 ALL	577935.86	4137630.91	1.65E-07	1.35E-07	3.00E-07	1.29E-07	1.08E-07	2.37E-07
246 ALL	577926.93	4137629.34	1.75E-07	1.43E-07	3.17E-07	1.36E-07	1.15E-07	2.51E-07
247 ALL	577917.99	4137627.78	1.84E-07	1.50E-07	3.35E-07	1.43E-07	1.21E-07	2.64E-07
248 ALL	577909.06	4137626.22	1.94E-07	1.58E-07	3.52E-07	1.51E-07	1.27E-07	2.78E-07
249 ALL	577900.13	4137624.65	2.03E-07	1.65E-07	3.69E-07	1.58E-07	1.33E-07	2.91E-07
250 ALL	577891.19	4137623.09	2.12E-07	1.72E-07	3.84E-07	1.65E-07	1.39E-07	3.03E-07
251 ALL	577882.26	4137621.52	2.20E-07	1.79E-07	3.98E-07	1.71E-07	1.44E-07	3.15E-07
252 ALL	578183.91	4137531.79	9.87E-08	8.05E-08	1.79E-07	7.68E-08	6.48E-08	1.42E-07
253 ALL	578189.05	4137523.92	1.06E-07	8.67E-08	1.93E-07	8.27E-08	6.98E-08	1.52E-07
254 ALL	578194.19	4137516.04	1.15E-07	9.34E-08	2.08E-07	8.91E-08	7.51E-08	1.64E-07
255 ALL	578199.33	4137508.17	1.23E-07	1.00E-07	2.24E-07	9.58E-08	8.08E-08	1.77E-07
256 ALL	578204.47	4137500.29	1.32E-07	1.08E-07	2.40E-07	1.03E-07	8.67E-08	1.90E-07
257 ALL	578209.61	4137492.42	1.41E-07	1.15E-07	2.57E-07	1.10E-07	9.28E-08	2.03E-07
258 ALL	578214.74	4137484.54	1.51E-07	1.23E-07	2.74E-07	1.17E-07	9.89E-08	2.16E-07
259 ALL	578219.88	4137476.67	1.60E-07	1.30E-07	2.90E-07	1.24E-07	1.05E-07	2.29E-07
260 ALL	578225.02	4137468.79	1.69E-07	1.38E-07	3.06E-07	1.31E-07	1.11E-07	2.42E-07
261 ALL	578176.9	4137571.24	6.86E-08	5.60E-08	1.25E-07	5.34E-08	4.51E-08	9.84E-08
262 ALL	578169.19	4137576.56	6.64E-08	5.42E-08	1.21E-07	5.17E-08	4.36E-08	9.53E-08
263 ALL	578161.49	4137581.87	6.46E-08	5.27E-08	1.17E-07	5.02E-08	4.24E-08	9.26E-08
264 ALL	578153.79	4137587.19	6.31E-08	5.15E-08	1.15E-07	4.91E-08	4.14E-08	9.05E-08
265 ALL	578146.08	4137592.5	6.19E-08	5.05E-08	1.12E-07	4.82E-08	4.06E-08	8.88E-08
266 ALL	578138.38	4137597.82	6.11E-08	4.98E-08	1.11E-07	4.75E-08	4.01E-08	8.76E-08
267 ALL	578130.68	4137603.13	6.05E-08	4.94E-08	1.10E-07	4.71E-08	3.97E-08	8.68E-08
268 ALL	578122.97	4137608.45	6.03E-08	4.92E-08	1.09E-07	4.69E-08	3.96E-08	8.65E-08
269 ALL	578115.27	4137613.76	6.03E-08	4.92E-08	1.09E-07	4.69E-08	3.96E-08	8.65E-08
270 ALL	578107.57	4137619.08	6.05E-08	4.93E-08	1.10E-07	4.70E-08	3.97E-08	8.67E-08
271 ALL	578099.86	4137624.39	6.08E-08	4.96E-08	1.10E-07	4.73E-08	3.99E-08	8.72E-08
272 ALL	578092.16	4137629.71	6.13E-08	5.00E-08	1.11E-07	4.77E-08	4.03E-08	8.80E-08
273 ALL	578084.46	4137635.02	6.20E-08	5.06E-08	1.13E-07	4.82E-08	4.07E-08	8.89E-08
274 ALL	578076.75	4137640.34	6.27E-08	5.12E-08	1.14E-07	4.88E-08	4.12E-08	9.00E-08
275 ALL	578069.05	4137645.65	6.36E-08	5.19E-08	1.16E-07	4.95E-08	4.18E-08	9.13E-08
276 ALL	578061.35	4137650.97	6.47E-08	5.27E-08	1.17E-07	5.03E-08	4.24E-08	9.28E-08
277 ALL	578053.64	4137656.28	6.59E-08	5.37E-08	1.20E-07	5.12E-08	4.32E-08	9.44E-08
278 ALL	578045.94	4137661.6	6.71E-08	5.47E-08	1.22E-07	5.22E-08	4.40E-08	9.62E-08
279 ALL	578029.02	4137665.3	7.31E-08	5.96E-08	1.33E-07	5.69E-08	4.80E-08	1.05E-07
280 ALL	578019.8	4137663.68	7.83E-08	6.39E-08	1.42E-07	6.09E-08	5.14E-08	1.12E-07
281 ALL	578010.58	4137662.07	8.40E-08	6.85E-08	1.52E-07	6.53E-08	5.51E-08	1.20E-07
282 ALL	578001.36	4137660.45	9.02E-08	7.35E-08	1.64E-07	7.01E-08	5.92E-08	1.29E-07
283 ALL	577992.14	4137658.84	9.68E-08	7.89E-08	1.76E-07	7.53E-08	6.35E-08	1.39E-07
284 ALL	577982.92	4137657.22	1.04E-07	8.46E-08	1.88E-07	8.07E-08	6.81E-08	1.49E-07
285 ALL	577973.7	4137655.61	1.11E-07	9.06E-08	2.02E-07	8.65E-08	7.29E-08	1.59E-07
286 ALL	577964.49	4137653.99	1.19E-07	9.69E-08	2.16E-07	9.24E-08	7.79E-08	1.70E-07
287 ALL	577955.27	4137652.38	1.27E-07	1.03E-07	2.30E-07	9.85E-08	8.31E-08	1.82E-07
288 ALL	577946.05	4137650.76	1.35E-07	1.10E-07	2.45E-07	1.05E-07	8.84E-08	1.93E-07
289 ALL	577936.83	4137649.15	1.43E-07	1.16E-07	2.59E-07	1.11E-07	9.37E-08	2.05E-07
290 ALL	577927.61	4137647.53	1.51E-07	1.23E-07	2.74E-07	1.18E-07	9.92E-08	2.17E-07



291 ALL	577918.39	4137645.92	1.59E-07	1.30E-07	2.89E-07	1.24E-07	1.05E-07	2.29E-07
292 ALL	577909.17	4137644.3	1.68E-07	1.37E-07	3.04E-07	1.30E-07	1.10E-07	2.40E-07
293 ALL	577899.95	4137642.69	1.76E-07	1.43E-07	3.19E-07	1.37E-07	1.15E-07	2.52E-07
294 ALL	577890.74	4137641.07	1.84E-07	1.50E-07	3.34E-07	1.43E-07	1.21E-07	2.64E-07
295 ALL	577881.52	4137639.46	1.91E-07	1.56E-07	3.47E-07	1.49E-07	1.25E-07	2.74E-07
296 ALL	577872.3	4137637.84	1.98E-07	1.61E-07	3.59E-07	1.54E-07	1.30E-07	2.84E-07
297 ALL	578184.6	4137565.93	7.12E-08	5.81E-08	1.29E-07	5.54E-08	4.67E-08	1.02E-07
298 ALL	578189.74	4137558.05	7.60E-08	6.20E-08	1.38E-07	5.91E-08	4.99E-08	1.09E-07
299 ALL	578205.16	4137534.43	9.36E-08	7.63E-08	1.70E-07	7.28E-08	6.14E-08	1.34E-07
300 ALL	578210.3	4137526.55	1.01E-07	8.20E-08	1.83E-07	7.82E-08	6.60E-08	1.44E-07
301 ALL	578215.43	4137518.68	1.08E-07	8.79E-08	1.96E-07	8.38E-08	7.07E-08	1.55E-07
302 ALL	578220.57	4137510.8	1.15E-07	9.40E-08	2.09E-07	8.97E-08	7.56E-08	1.65E-07
303 ALL	578225.71	4137502.93	1.23E-07	1.00E-07	2.23E-07	9.57E-08	8.07E-08	1.76E-07
304 ALL	578230.85	4137495.05	1.31E-07	1.07E-07	2.37E-07	1.02E-07	8.58E-08	1.88E-07
305 ALL	578235.99	4137487.18	1.39E-07	1.13E-07	2.51E-07	1.08E-07	9.09E-08	1.99E-07
306 ALL	578241.13	4137479.3	1.46E-07	1.19E-07	2.65E-07	1.14E-07	9.58E-08	2.09E-07
307 ALL	578193.17	4137581.64	6.17E-08	5.04E-08	1.12E-07	4.80E-08	4.05E-08	8.86E-08
308 ALL	578185.62	4137586.84	5.98E-08	4.88E-08	1.09E-07	4.65E-08	3.92E-08	8.57E-08
309 ALL	578178.08	4137592.04	5.81E-08	4.74E-08	1.05E-07	4.52E-08	3.81E-08	8.33E-08
310 ALL	578170.54	4137597.25	5.67E-08	4.63E-08	1.03E-07	4.41E-08	3.72E-08	8.13E-08
311 ALL	578163	4137602.45	5.56E-08	4.53E-08	1.01E-07	4.32E-08	3.65E-08	7.97E-08
312 ALL	578155.46	4137607.65	5.47E-08	4.46E-08	9.93E-08	4.26E-08	3.59E-08	7.85E-08
313 ALL	578147.92	4137612.86	5.41E-08	4.41E-08	9.82E-08	4.21E-08	3.55E-08	7.76E-08
314 ALL	578140.38	4137618.06	5.37E-08	4.38E-08	9.75E-08	4.18E-08	3.53E-08	7.71E-08
315 ALL	578132.84	4137623.26	5.36E-08	4.37E-08	9.73E-08	4.17E-08	3.52E-08	7.68E-08
316 ALL	578125.3	4137628.46	5.36E-08	4.37E-08	9.73E-08	4.17E-08	3.52E-08	7.68E-08
317 ALL	578117.75	4137633.67	5.37E-08	4.38E-08	9.75E-08	4.18E-08	3.53E-08	7.71E-08
318 ALL	578110.21	4137638.87	5.40E-08	4.41E-08	9.80E-08	4.20E-08	3.55E-08	7.75E-08
319 ALL	578102.67	4137644.07	5.44E-08	4.44E-08	9.87E-08	4.23E-08	3.57E-08	7.80E-08
320 ALL	578095.13	4137649.28	5.49E-08	4.48E-08	9.96E-08	4.27E-08	3.60E-08	7.87E-08
321 ALL	578087.59	4137654.48	5.55E-08	4.53E-08	1.01E-07	4.32E-08	3.64E-08	7.96E-08
322 ALL	578080.05	4137659.68	5.62E-08	4.58E-08	1.02E-07	4.37E-08	3.69E-08	8.06E-08
323 ALL	578072.51	4137664.89	5.70E-08	4.65E-08	1.03E-07	4.43E-08	3.74E-08	8.17E-08
324 ALL	578064.97	4137670.09	5.78E-08	4.72E-08	1.05E-07	4.50E-08	3.80E-08	8.29E-08
325 ALL	578057.43	4137675.29	5.88E-08	4.79E-08	1.07E-07	4.57E-08	3.86E-08	8.43E-08
326 ALL	578049.88	4137680.49	5.98E-08	4.87E-08	1.08E-07	4.65E-08	3.92E-08	8.57E-08
327 ALL	578033.32	4137684.12	6.45E-08	5.26E-08	1.17E-07	5.02E-08	4.24E-08	9.26E-08
328 ALL	578024.29	4137682.54	6.87E-08	5.60E-08	1.25E-07	5.35E-08	4.51E-08	9.86E-08
329 ALL	578015.27	4137680.95	7.33E-08	5.98E-08	1.33E-07	5.70E-08	4.81E-08	1.05E-07
330 ALL	578006.25	4137679.37	7.82E-08	6.38E-08	1.42E-07	6.09E-08	5.13E-08	1.12E-07
331 ALL	577997.22	4137677.79	8.35E-08	6.81E-08	1.52E-07	6.50E-08	5.48E-08	1.20E-07
332 ALL	577988.2	4137676.21	8.92E-08	7.27E-08	1.62E-07	6.94E-08	5.85E-08	1.28E-07
333 ALL	577979.17	4137674.63	9.50E-08	7.75E-08	1.73E-07	7.39E-08	6.24E-08	1.36E-07
334 ALL	577970.15	4137673.05	1.01E-07	8.25E-08	1.84E-07	7.87E-08	6.64E-08	1.45E-07
335 ALL	577961.12	4137671.47	1.08E-07	8.76E-08	1.95E-07	8.36E-08	7.05E-08	1.54E-07
336 ALL	577952.1	4137669.89	1.14E-07	9.29E-08	2.07E-07	8.87E-08	7.48E-08	1.63E-07
337 ALL	577943.07	4137668.31	1.21E-07	9.83E-08	2.19E-07	9.38E-08	7.91E-08	1.73E-07
338 ALL	577934.05	4137666.73	1.27E-07	1.04E-07	2.31E-07	9.90E-08	8.35E-08	1.83E-07
339 ALL	577925.03	4137665.15	1.34E-07	1.09E-07	2.43E-07	1.04E-07	8.80E-08	1.92E-07
340 ALL	577916	4137663.57	1.41E-07	1.15E-07	2.56E-07	1.10E-07	9.25E-08	2.02E-07
341 ALL	577906.98	4137661.98	1.48E-07	1.21E-07	2.68E-07	1.15E-07	9.70E-08	2.12E-07
342 ALL	577897.95	4137660.4	1.55E-07	1.26E-07	2.81E-07	1.20E-07	1.02E-07	2.22E-07
343 ALL	577888.93	4137658.82	1.62E-07	1.32E-07	2.93E-07	1.26E-07	1.06E-07	2.32E-07
344 ALL	577879.9	4137657.24	1.68E-07	1.37E-07	3.05E-07	1.31E-07	1.10E-07	2.41E-07
345 ALL	577870.88	4137655.66	1.74E-07	1.42E-07	3.16E-07	1.35E-07	1.14E-07	2.49E-07
346 ALL	577861.85	4137654.08	1.79E-07	1.46E-07	3.26E-07	1.40E-07	1.18E-07	2.57E-07
347 ALL	578200.71	4137576.44	6.40E-08	5.22E-08	1.16E-07	4.98E-08	4.20E-08	9.17E-08
348 ALL	578205.85	4137568.56	6.81E-08	5.55E-08	1.24E-07	5.30E-08	4.47E-08	9.77E-08

349 ALL	578210.98	4137560.69	7.26E-08	5.92E-08	1.32E-07	5.65E-08	4.77E-08	1.04E-07
350 ALL	578226.4	4137537.06	8.90E-08	7.25E-08	1.61E-07	6.92E-08	5.84E-08	1.28E-07
351 ALL	578231.54	4137529.19	9.51E-08	7.75E-08	1.73E-07	7.39E-08	6.24E-08	1.36E-07
352 ALL	578236.68	4137521.31	1.01E-07	8.27E-08	1.84E-07	7.89E-08	6.65E-08	1.45E-07
353 ALL	578241.82	4137513.44	1.08E-07	8.80E-08	1.96E-07	8.40E-08	7.08E-08	1.55E-07
354 ALL	578246.95	4137505.56	1.15E-07	9.34E-08	2.08E-07	8.92E-08	7.52E-08	1.64E-07
355 ALL	578252.09	4137497.69	1.21E-07	9.88E-08	2.20E-07	9.43E-08	7.95E-08	1.74E-07
356 ALL	578257.23	4137489.81	1.28E-07	1.04E-07	2.32E-07	9.93E-08	8.37E-08	1.83E-07
357 ALL	578209.41	4137592.05	5.60E-08	4.57E-08	1.02E-07	4.36E-08	3.68E-08	8.03E-08
358 ALL	578202	4137597.17	5.43E-08	4.43E-08	9.85E-08	4.22E-08	3.56E-08	7.78E-08
359 ALL	578187.18	4137607.39	5.14E-08	4.19E-08	9.33E-08	4.00E-08	3.37E-08	7.37E-08
360 ALL	578172.37	4137617.61	4.94E-08	4.03E-08	8.98E-08	3.85E-08	3.25E-08	7.09E-08
361 ALL	578164.96	4137622.72	4.88E-08	3.98E-08	8.86E-08	3.80E-08	3.20E-08	7.00E-08
362 ALL	578150.15	4137632.94	4.80E-08	3.92E-08	8.72E-08	3.74E-08	3.15E-08	6.89E-08
363 ALL	578135.33	4137643.16	4.80E-08	3.91E-08	8.71E-08	3.73E-08	3.15E-08	6.88E-08
364 ALL	578120.52	4137653.38	4.83E-08	3.94E-08	8.77E-08	3.76E-08	3.17E-08	6.93E-08
365 ALL	578105.71	4137663.6	4.91E-08	4.00E-08	8.91E-08	3.82E-08	3.22E-08	7.04E-08
366 ALL	578098.3	4137668.71	4.95E-08	4.04E-08	9.00E-08	3.85E-08	3.25E-08	7.11E-08
367 ALL	578083.49	4137678.93	5.07E-08	4.13E-08	9.20E-08	3.94E-08	3.33E-08	7.27E-08
368 ALL	578068.67	4137689.15	5.20E-08	4.24E-08	9.44E-08	4.05E-08	3.41E-08	7.46E-08
369 ALL	578053.86	4137699.37	5.36E-08	4.37E-08	9.72E-08	4.17E-08	3.51E-08	7.68E-08
370 ALL	578037.59	4137702.93	5.75E-08	4.69E-08	1.04E-07	4.47E-08	3.77E-08	8.24E-08
371 ALL	578019.86	4137699.83	6.46E-08	5.27E-08	1.17E-07	5.03E-08	4.24E-08	9.27E-08
372 ALL	578011	4137698.27	6.86E-08	5.60E-08	1.25E-07	5.34E-08	4.50E-08	9.84E-08
373 ALL	578002.13	4137696.72	7.29E-08	5.95E-08	1.32E-07	5.67E-08	4.79E-08	1.05E-07
374 ALL	577993.27	4137695.17	7.75E-08	6.32E-08	1.41E-07	6.03E-08	5.09E-08	1.11E-07
375 ALL	577984.4	4137693.62	8.23E-08	6.71E-08	1.49E-07	6.40E-08	5.40E-08	1.18E-07
376 ALL	577966.68	4137690.51	9.25E-08	7.54E-08	1.68E-07	7.19E-08	6.07E-08	1.33E-07
377 ALL	577957.81	4137688.96	9.78E-08	7.97E-08	1.77E-07	7.61E-08	6.41E-08	1.40E-07
378 ALL	577948.95	4137687.4	1.03E-07	8.41E-08	1.87E-07	8.03E-08	6.77E-08	1.48E-07
379 ALL	577940.08	4137685.85	1.09E-07	8.86E-08	1.97E-07	8.45E-08	7.13E-08	1.56E-07
380 ALL	577922.36	4137682.75	1.20E-07	9.78E-08	2.18E-07	9.33E-08	7.87E-08	1.72E-07
381 ALL	577913.49	4137681.19	1.26E-07	1.02E-07	2.28E-07	9.78E-08	8.24E-08	1.80E-07
382 ALL	577904.63	4137679.64	1.31E-07	1.07E-07	2.39E-07	1.02E-07	8.62E-08	1.88E-07
383 ALL	577895.76	4137678.09	1.37E-07	1.12E-07	2.49E-07	1.07E-07	9.00E-08	1.97E-07
384 ALL	577886.9	4137676.53	1.43E-07	1.16E-07	2.59E-07	1.11E-07	9.37E-08	2.05E-07
385 ALL	577869.17	4137673.43	1.54E-07	1.25E-07	2.79E-07	1.20E-07	1.01E-07	2.21E-07
386 ALL	577860.31	4137671.88	1.59E-07	1.29E-07	2.88E-07	1.24E-07	1.04E-07	2.28E-07
387 ALL	577851.44	4137670.32	1.63E-07	1.33E-07	2.97E-07	1.27E-07	1.07E-07	2.34E-07
388 ALL	578221.95	4137579.07	6.15E-08	5.02E-08	1.12E-07	4.79E-08	4.04E-08	8.83E-08
389 ALL	578227.09	4137571.2	6.55E-08	5.34E-08	1.19E-07	5.09E-08	4.30E-08	9.39E-08
390 ALL	578232.23	4137563.32	6.98E-08	5.69E-08	1.27E-07	5.43E-08	4.58E-08	1.00E-07
391 ALL	578252.78	4137531.82	9.01E-08	7.34E-08	1.64E-07	7.01E-08	5.91E-08	1.29E-07
392 ALL	578257.92	4137523.95	9.57E-08	7.80E-08	1.74E-07	7.44E-08	6.28E-08	1.37E-07
393 ALL	578263.06	4137516.07	1.01E-07	8.26E-08	1.84E-07	7.89E-08	6.65E-08	1.45E-07
394 ALL	578268.2	4137508.2	1.07E-07	8.72E-08	1.94E-07	8.33E-08	7.02E-08	1.53E-07
395 ALL	578273.34	4137500.32	1.13E-07	9.17E-08	2.04E-07	8.76E-08	7.38E-08	1.61E-07
396 ALL	578225.32	4137602.7	5.10E-08	4.16E-08	9.27E-08	3.97E-08	3.35E-08	7.32E-08
397 ALL	578217.72	4137607.94	4.94E-08	4.03E-08	8.97E-08	3.84E-08	3.24E-08	7.09E-08
398 ALL	578210.12	4137613.18	4.80E-08	3.91E-08	8.71E-08	3.73E-08	3.15E-08	6.88E-08
399 ALL	578202.52	4137618.42	4.68E-08	3.81E-08	8.49E-08	3.64E-08	3.07E-08	6.71E-08
400 ALL	578194.93	4137623.67	4.57E-08	3.73E-08	8.30E-08	3.56E-08	3.00E-08	6.56E-08
401 ALL	578187.33	4137628.91	4.49E-08	3.66E-08	8.15E-08	3.49E-08	2.95E-08	6.44E-08
402 ALL	578179.73	4137634.15	4.42E-08	3.61E-08	8.03E-08	3.44E-08	2.90E-08	6.34E-08
403 ALL	578172.13	4137639.39	4.37E-08	3.57E-08	7.94E-08	3.40E-08	2.87E-08	6.27E-08
404 ALL	578164.53	4137644.64	4.34E-08	3.54E-08	7.88E-08	3.38E-08	2.85E-08	6.23E-08
405 ALL	578156.93	4137649.88	4.32E-08	3.53E-08	7.85E-08	3.36E-08	2.84E-08	6.20E-08
406 ALL	578149.34	4137655.12	4.32E-08	3.52E-08	7.84E-08	3.36E-08	2.84E-08	6.20E-08

407 ALL	578141.74	4137660.36	4.33E-08	3.53E-08	7.86E-08	3.37E-08	2.84E-08	6.21E-08
408 ALL	578134.14	4137665.6	4.34E-08	3.54E-08	7.88E-08	3.38E-08	2.85E-08	6.23E-08
409 ALL	578126.54	4137670.85	4.37E-08	3.56E-08	7.93E-08	3.40E-08	2.87E-08	6.26E-08
410 ALL	578118.94	4137676.09	4.40E-08	3.59E-08	7.99E-08	3.42E-08	2.89E-08	6.31E-08
411 ALL	578111.34	4137681.33	4.44E-08	3.62E-08	8.06E-08	3.45E-08	2.91E-08	6.37E-08
412 ALL	578103.75	4137686.57	4.48E-08	3.66E-08	8.14E-08	3.49E-08	2.94E-08	6.43E-08
413 ALL	578096.15	4137691.82	4.53E-08	3.70E-08	8.23E-08	3.52E-08	2.97E-08	6.50E-08
414 ALL	578088.55	4137697.06	4.58E-08	3.74E-08	8.32E-08	3.56E-08	3.01E-08	6.57E-08
415 ALL	578080.95	4137702.3	4.64E-08	3.78E-08	8.42E-08	3.61E-08	3.04E-08	6.65E-08
416 ALL	578073.35	4137707.54	4.70E-08	3.83E-08	8.53E-08	3.65E-08	3.08E-08	6.74E-08
417 ALL	578065.76	4137712.79	4.76E-08	3.88E-08	8.65E-08	3.70E-08	3.13E-08	6.83E-08
418 ALL	578058.16	4137718.03	4.83E-08	3.94E-08	8.78E-08	3.76E-08	3.17E-08	6.93E-08
419 ALL	578041.47	4137721.68	5.18E-08	4.22E-08	9.40E-08	4.03E-08	3.40E-08	7.42E-08
420 ALL	578032.37	4137720.09	5.47E-08	4.46E-08	9.93E-08	4.25E-08	3.59E-08	7.84E-08
421 ALL	578023.28	4137718.49	5.79E-08	4.72E-08	1.05E-07	4.50E-08	3.80E-08	8.30E-08
422 ALL	578014.19	4137716.9	6.14E-08	5.00E-08	1.11E-07	4.77E-08	4.03E-08	8.80E-08
423 ALL	578005.09	4137715.31	6.51E-08	5.31E-08	1.18E-07	5.06E-08	4.27E-08	9.34E-08
424 ALL	577996	4137713.71	6.91E-08	5.63E-08	1.25E-07	5.37E-08	4.53E-08	9.90E-08
425 ALL	577986.91	4137712.12	7.32E-08	5.97E-08	1.33E-07	5.70E-08	4.80E-08	1.05E-07
426 ALL	577977.82	4137710.53	7.76E-08	6.32E-08	1.41E-07	6.03E-08	5.09E-08	1.11E-07
427 ALL	577968.72	4137708.94	8.21E-08	6.69E-08	1.49E-07	6.38E-08	5.38E-08	1.18E-07
428 ALL	577959.63	4137707.34	8.67E-08	7.07E-08	1.57E-07	6.74E-08	5.69E-08	1.24E-07
429 ALL	577950.54	4137705.75	9.14E-08	7.45E-08	1.66E-07	7.11E-08	6.00E-08	1.31E-07
430 ALL	577941.45	4137704.16	9.62E-08	7.84E-08	1.75E-07	7.48E-08	6.31E-08	1.38E-07
431 ALL	577932.35	4137702.56	1.01E-07	8.24E-08	1.83E-07	7.86E-08	6.63E-08	1.45E-07
432 ALL	577923.26	4137700.97	1.06E-07	8.64E-08	1.92E-07	8.25E-08	6.95E-08	1.52E-07
433 ALL	577914.17	4137699.38	1.11E-07	9.05E-08	2.02E-07	8.64E-08	7.28E-08	1.59E-07
434 ALL	577905.07	4137697.79	1.16E-07	9.46E-08	2.11E-07	9.03E-08	7.62E-08	1.66E-07
435 ALL	577895.98	4137696.19	1.21E-07	9.88E-08	2.20E-07	9.43E-08	7.95E-08	1.74E-07
436 ALL	577886.89	4137694.6	1.26E-07	1.03E-07	2.29E-07	9.83E-08	8.29E-08	1.81E-07
437 ALL	577877.8	4137693.01	1.31E-07	1.07E-07	2.38E-07	1.02E-07	8.62E-08	1.88E-07
438 ALL	577868.7	4137691.41	1.36E-07	1.11E-07	2.47E-07	1.06E-07	8.94E-08	1.95E-07
439 ALL	577859.61	4137689.82	1.41E-07	1.15E-07	2.56E-07	1.10E-07	9.25E-08	2.02E-07
440 ALL	577850.52	4137688.23	1.45E-07	1.18E-07	2.64E-07	1.13E-07	9.53E-08	2.08E-07
441 ALL	577841.42	4137686.64	1.49E-07	1.22E-07	2.71E-07	1.16E-07	9.80E-08	2.14E-07
442 ALL	578232.92	4137597.45	5.28E-08	4.31E-08	9.59E-08	4.11E-08	3.47E-08	7.58E-08
443 ALL	578238.06	4137589.58	5.60E-08	4.56E-08	1.02E-07	4.35E-08	3.67E-08	8.03E-08
444 ALL	578243.19	4137581.7	5.94E-08	4.85E-08	1.08E-07	4.62E-08	3.90E-08	8.52E-08
445 ALL	578248.33	4137573.83	6.32E-08	5.15E-08	1.15E-07	4.91E-08	4.15E-08	9.06E-08
446 ALL	578253.47	4137565.96	6.72E-08	5.48E-08	1.22E-07	5.23E-08	4.41E-08	9.63E-08
447 ALL	578274.03	4137534.46	8.55E-08	6.97E-08	1.55E-07	6.65E-08	5.61E-08	1.23E-07
448 ALL	578279.17	4137526.58	9.04E-08	7.37E-08	1.64E-07	7.03E-08	5.93E-08	1.30E-07
449 ALL	578284.3	4137518.71	9.52E-08	7.76E-08	1.73E-07	7.41E-08	6.25E-08	1.37E-07
450 ALL	578289.44	4137510.83	1.00E-07	8.15E-08	1.82E-07	7.78E-08	6.56E-08	1.43E-07
451 ALL	578241.55	4137613.12	4.68E-08	3.82E-08	8.50E-08	3.64E-08	3.07E-08	6.72E-08
452 ALL	578234.07	4137618.28	4.54E-08	3.70E-08	8.24E-08	3.53E-08	2.98E-08	6.51E-08
453 ALL	578226.6	4137623.44	4.41E-08	3.60E-08	8.00E-08	3.43E-08	2.89E-08	6.32E-08
454 ALL	578219.12	4137628.59	4.29E-08	3.50E-08	7.80E-08	3.34E-08	2.82E-08	6.16E-08
455 ALL	578211.65	4137633.75	4.20E-08	3.42E-08	7.62E-08	3.26E-08	2.75E-08	6.02E-08
456 ALL	578204.17	4137638.91	4.11E-08	3.36E-08	7.47E-08	3.20E-08	2.70E-08	5.90E-08
457 ALL	578196.7	4137644.07	4.05E-08	3.30E-08	7.35E-08	3.15E-08	2.66E-08	5.80E-08
458 ALL	578189.22	4137649.22	3.99E-08	3.26E-08	7.25E-08	3.11E-08	2.62E-08	5.73E-08
459 ALL	578181.75	4137654.38	3.95E-08	3.23E-08	7.18E-08	3.08E-08	2.60E-08	5.67E-08
460 ALL	578174.27	4137659.54	3.93E-08	3.21E-08	7.14E-08	3.06E-08	2.58E-08	5.64E-08
461 ALL	578166.79	4137664.7	3.92E-08	3.20E-08	7.11E-08	3.05E-08	2.57E-08	5.62E-08
462 ALL	578159.32	4137669.85	3.91E-08	3.19E-08	7.11E-08	3.04E-08	2.57E-08	5.61E-08
463 ALL	578151.84	4137675.01	3.92E-08	3.20E-08	7.12E-08	3.05E-08	2.57E-08	5.62E-08
464 ALL	578144.37	4137680.17	3.94E-08	3.21E-08	7.15E-08	3.06E-08	2.58E-08	5.65E-08

465 ALL	578136.89	4137685.33	3.96E-08	3.23E-08	7.19E-08	3.08E-08	2.60E-08	5.68E-08
466 ALL	578129.42	4137690.48	3.99E-08	3.25E-08	7.24E-08	3.10E-08	2.62E-08	5.72E-08
467 ALL	578121.94	4137695.64	4.02E-08	3.28E-08	7.29E-08	3.12E-08	2.64E-08	5.76E-08
468 ALL	578114.47	4137700.8	4.05E-08	3.31E-08	7.36E-08	3.15E-08	2.66E-08	5.81E-08
469 ALL	578106.99	4137705.96	4.09E-08	3.34E-08	7.43E-08	3.18E-08	2.69E-08	5.87E-08
470 ALL	578099.52	4137711.11	4.13E-08	3.37E-08	7.50E-08	3.21E-08	2.71E-08	5.93E-08
471 ALL	578092.04	4137716.27	4.18E-08	3.41E-08	7.58E-08	3.25E-08	2.74E-08	5.99E-08
472 ALL	578084.57	4137721.43	4.22E-08	3.44E-08	7.67E-08	3.28E-08	2.77E-08	6.06E-08
473 ALL	578077.09	4137726.59	4.28E-08	3.49E-08	7.76E-08	3.33E-08	2.81E-08	6.13E-08
474 ALL	578069.62	4137731.74	4.33E-08	3.53E-08	7.87E-08	3.37E-08	2.84E-08	6.21E-08
475 ALL	578062.14	4137736.9	4.39E-08	3.58E-08	7.98E-08	3.42E-08	2.88E-08	6.30E-08
476 ALL	578045.72	4137740.49	4.68E-08	3.82E-08	8.50E-08	3.64E-08	3.07E-08	6.71E-08
477 ALL	578036.78	4137738.92	4.93E-08	4.02E-08	8.94E-08	3.83E-08	3.23E-08	7.07E-08
478 ALL	578027.83	4137737.36	5.19E-08	4.23E-08	9.43E-08	4.04E-08	3.41E-08	7.45E-08
479 ALL	578018.88	4137735.79	5.48E-08	4.47E-08	9.94E-08	4.26E-08	3.59E-08	7.86E-08
480 ALL	578009.94	4137734.22	5.78E-08	4.72E-08	1.05E-07	4.50E-08	3.79E-08	8.29E-08
481 ALL	578000.99	4137732.66	6.11E-08	4.98E-08	1.11E-07	4.75E-08	4.01E-08	8.76E-08
482 ALL	577992.05	4137731.09	6.46E-08	5.26E-08	1.17E-07	5.02E-08	4.24E-08	9.26E-08
483 ALL	577983.1	4137729.52	6.82E-08	5.56E-08	1.24E-07	5.30E-08	4.47E-08	9.78E-08
484 ALL	577974.16	4137727.95	7.19E-08	5.86E-08	1.31E-07	5.60E-08	4.72E-08	1.03E-07
485 ALL	577965.21	4137726.39	7.57E-08	6.17E-08	1.37E-07	5.89E-08	4.97E-08	1.09E-07
486 ALL	577956.27	4137724.82	7.96E-08	6.49E-08	1.45E-07	6.19E-08	5.22E-08	1.14E-07
487 ALL	577947.32	4137723.25	8.36E-08	6.82E-08	1.52E-07	6.50E-08	5.48E-08	1.20E-07
488 ALL	577938.37	4137721.69	8.77E-08	7.15E-08	1.59E-07	6.82E-08	5.75E-08	1.26E-07
489 ALL	577929.43	4137720.12	9.19E-08	7.49E-08	1.67E-07	7.15E-08	6.03E-08	1.32E-07
490 ALL	577920.48	4137718.55	9.61E-08	7.83E-08	1.74E-07	7.48E-08	6.30E-08	1.38E-07
491 ALL	577911.54	4137716.99	1.00E-07	8.18E-08	1.82E-07	7.81E-08	6.59E-08	1.44E-07
492 ALL	577902.59	4137715.42	1.05E-07	8.53E-08	1.90E-07	8.15E-08	6.87E-08	1.50E-07
493 ALL	577893.65	4137713.85	1.09E-07	8.89E-08	1.98E-07	8.48E-08	7.15E-08	1.56E-07
494 ALL	577884.7	4137712.28	1.13E-07	9.25E-08	2.06E-07	8.83E-08	7.44E-08	1.63E-07
495 ALL	577875.76	4137710.72	1.18E-07	9.60E-08	2.14E-07	9.17E-08	7.73E-08	1.69E-07
496 ALL	577866.81	4137709.15	1.22E-07	9.95E-08	2.22E-07	9.50E-08	8.01E-08	1.75E-07
497 ALL	577857.86	4137707.58	1.26E-07	1.03E-07	2.29E-07	9.83E-08	8.28E-08	1.81E-07
498 ALL	577848.92	4137706.02	1.30E-07	1.06E-07	2.37E-07	1.01E-07	8.55E-08	1.87E-07
499 ALL	577839.97	4137704.45	1.34E-07	1.09E-07	2.43E-07	1.04E-07	8.79E-08	1.92E-07
500 ALL	577831.03	4137702.88	1.37E-07	1.12E-07	2.50E-07	1.07E-07	9.02E-08	1.97E-07
501 ALL	578254.16	4137600.09	5.12E-08	4.17E-08	9.29E-08	3.98E-08	3.36E-08	7.34E-08
502 ALL	578259.3	4137592.21	5.42E-08	4.42E-08	9.85E-08	4.22E-08	3.56E-08	7.78E-08
503 ALL	578264.44	4137584.34	5.75E-08	4.69E-08	1.04E-07	4.47E-08	3.77E-08	8.25E-08
504 ALL	578269.58	4137576.46	6.10E-08	4.97E-08	1.11E-07	4.75E-08	4.00E-08	8.75E-08
505 ALL	578274.72	4137568.59	6.47E-08	5.28E-08	1.17E-07	5.03E-08	4.25E-08	9.28E-08
506 ALL	578279.85	4137560.72	6.86E-08	5.59E-08	1.25E-07	5.34E-08	4.50E-08	9.84E-08
507 ALL	578295.27	4137537.09	8.11E-08	6.61E-08	1.47E-07	6.31E-08	5.32E-08	1.16E-07
508 ALL	578300.41	4137529.22	8.53E-08	6.95E-08	1.55E-07	6.63E-08	5.59E-08	1.22E-07
509 ALL	578257.48	4137623.75	4.31E-08	3.52E-08	7.83E-08	3.35E-08	2.83E-08	6.18E-08
510 ALL	578249.84	4137629.02	4.18E-08	3.41E-08	7.59E-08	3.25E-08	2.74E-08	5.99E-08
511 ALL	578242.2	4137634.29	4.06E-08	3.31E-08	7.37E-08	3.16E-08	2.66E-08	5.82E-08
512 ALL	578234.56	4137639.57	3.95E-08	3.22E-08	7.17E-08	3.07E-08	2.59E-08	5.66E-08
513 ALL	578226.91	4137644.84	3.85E-08	3.14E-08	7.00E-08	3.00E-08	2.53E-08	5.53E-08
514 ALL	578219.27	4137650.11	3.77E-08	3.08E-08	6.85E-08	2.94E-08	2.48E-08	5.41E-08
515 ALL	578211.63	4137655.38	3.71E-08	3.02E-08	6.73E-08	2.88E-08	2.43E-08	5.32E-08
516 ALL	578203.99	4137660.66	3.65E-08	2.98E-08	6.63E-08	2.84E-08	2.40E-08	5.24E-08
517 ALL	578196.34	4137665.93	3.61E-08	2.95E-08	6.56E-08	2.81E-08	2.37E-08	5.18E-08
518 ALL	578188.7	4137671.2	3.59E-08	2.93E-08	6.51E-08	2.79E-08	2.35E-08	5.14E-08
519 ALL	578181.06	4137676.48	3.57E-08	2.91E-08	6.48E-08	2.78E-08	2.34E-08	5.12E-08
520 ALL	578173.41	4137681.75	3.57E-08	2.91E-08	6.47E-08	2.77E-08	2.34E-08	5.11E-08
521 ALL	578165.77	4137687.02	3.57E-08	2.91E-08	6.48E-08	2.78E-08	2.34E-08	5.12E-08
522 ALL	578158.13	4137692.3	3.58E-08	2.92E-08	6.50E-08	2.79E-08	2.35E-08	5.14E-08

523 ALL	578150.49	4137697.57	3.60E-08	2.94E-08	6.54E-08	2.80E-08	2.36E-08	5.16E-08
524 ALL	578142.84	4137702.84	3.62E-08	2.96E-08	6.58E-08	2.82E-08	2.38E-08	5.20E-08
525 ALL	578135.2	4137708.11	3.65E-08	2.98E-08	6.63E-08	2.84E-08	2.40E-08	5.23E-08
526 ALL	578127.56	4137713.39	3.68E-08	3.00E-08	6.68E-08	2.86E-08	2.41E-08	5.27E-08
527 ALL	578119.92	4137718.66	3.71E-08	3.03E-08	6.73E-08	2.88E-08	2.43E-08	5.32E-08
528 ALL	578112.27	4137723.93	3.74E-08	3.05E-08	6.79E-08	2.91E-08	2.46E-08	5.37E-08
529 ALL	578104.63	4137729.21	3.78E-08	3.08E-08	6.86E-08	2.94E-08	2.48E-08	5.42E-08
530 ALL	578096.99	4137734.48	3.82E-08	3.11E-08	6.93E-08	2.97E-08	2.50E-08	5.47E-08
531 ALL	578089.35	4137739.75	3.86E-08	3.15E-08	7.01E-08	3.00E-08	2.53E-08	5.53E-08
532 ALL	578081.7	4137745.03	3.91E-08	3.19E-08	7.09E-08	3.04E-08	2.56E-08	5.60E-08
533 ALL	578074.06	4137750.3	3.95E-08	3.23E-08	7.18E-08	3.08E-08	2.60E-08	5.67E-08
534 ALL	578066.42	4137755.57	4.01E-08	3.27E-08	7.27E-08	3.12E-08	2.63E-08	5.75E-08
535 ALL	578049.63	4137759.24	4.26E-08	3.48E-08	7.74E-08	3.32E-08	2.80E-08	6.11E-08
536 ALL	578040.48	4137757.64	4.48E-08	3.65E-08	8.13E-08	3.48E-08	2.94E-08	6.42E-08
537 ALL	578031.34	4137756.04	4.71E-08	3.84E-08	8.56E-08	3.67E-08	3.09E-08	6.76E-08
538 ALL	578022.19	4137754.44	4.97E-08	4.05E-08	9.02E-08	3.86E-08	3.26E-08	7.12E-08
539 ALL	578013.04	4137752.83	5.24E-08	4.27E-08	9.50E-08	4.07E-08	3.44E-08	7.51E-08
540 ALL	578003.9	4137751.23	5.52E-08	4.50E-08	1.00E-07	4.29E-08	3.62E-08	7.92E-08
541 ALL	577994.75	4137749.63	5.82E-08	4.75E-08	1.06E-07	4.53E-08	3.82E-08	8.35E-08
542 ALL	577985.61	4137748.03	6.14E-08	5.01E-08	1.11E-07	4.78E-08	4.03E-08	8.80E-08
543 ALL	577976.46	4137746.43	6.47E-08	5.27E-08	1.17E-07	5.03E-08	4.24E-08	9.28E-08
544 ALL	577967.31	4137744.82	6.80E-08	5.55E-08	1.24E-07	5.29E-08	4.46E-08	9.76E-08
545 ALL	577958.17	4137743.22	7.15E-08	5.83E-08	1.30E-07	5.56E-08	4.69E-08	1.02E-07
546 ALL	577949.02	4137741.62	7.49E-08	6.11E-08	1.36E-07	5.83E-08	4.92E-08	1.07E-07
547 ALL	577939.88	4137740.02	7.85E-08	6.40E-08	1.42E-07	6.10E-08	5.15E-08	1.13E-07
548 ALL	577930.73	4137738.41	8.22E-08	6.70E-08	1.49E-07	6.39E-08	5.39E-08	1.18E-07
549 ALL	577921.58	4137736.81	8.59E-08	7.01E-08	1.56E-07	6.69E-08	5.64E-08	1.23E-07
550 ALL	577912.44	4137735.21	8.98E-08	7.32E-08	1.63E-07	6.98E-08	5.89E-08	1.29E-07
551 ALL	577903.29	4137733.61	9.36E-08	7.63E-08	1.70E-07	7.28E-08	6.14E-08	1.34E-07
552 ALL	577894.15	4137732.01	9.75E-08	7.94E-08	1.77E-07	7.58E-08	6.39E-08	1.40E-07
553 ALL	577885	4137730.4	1.01E-07	8.26E-08	1.84E-07	7.89E-08	6.65E-08	1.45E-07
554 ALL	577875.85	4137728.8	1.05E-07	8.58E-08	1.91E-07	8.19E-08	6.91E-08	1.51E-07
555 ALL	577866.71	4137727.2	1.09E-07	8.90E-08	1.98E-07	8.50E-08	7.17E-08	1.57E-07
556 ALL	577857.56	4137725.6	1.13E-07	9.22E-08	2.05E-07	8.80E-08	7.42E-08	1.62E-07
557 ALL	577848.42	4137724	1.17E-07	9.53E-08	2.12E-07	9.09E-08	7.67E-08	1.68E-07
558 ALL	577839.27	4137722.39	1.20E-07	9.82E-08	2.19E-07	9.37E-08	7.90E-08	1.73E-07
559 ALL	577830.12	4137720.79	1.24E-07	1.01E-07	2.25E-07	9.63E-08	8.12E-08	1.78E-07
560 ALL	577820.98	4137719.19	1.27E-07	1.03E-07	2.30E-07	9.88E-08	8.33E-08	1.82E-07
561 ALL	578265.13	4137618.47	4.46E-08	3.64E-08	8.09E-08	3.47E-08	2.93E-08	6.39E-08
562 ALL	578270.27	4137610.6	4.70E-08	3.84E-08	8.54E-08	3.66E-08	3.09E-08	6.75E-08
563 ALL	578275.4	4137602.72	4.97E-08	4.06E-08	9.03E-08	3.87E-08	3.26E-08	7.13E-08
564 ALL	578280.54	4137594.85	5.26E-08	4.29E-08	9.55E-08	4.09E-08	3.45E-08	7.55E-08
565 ALL	578285.68	4137586.97	5.57E-08	4.54E-08	1.01E-07	4.33E-08	3.66E-08	7.99E-08
566 ALL	578290.82	4137579.1	5.90E-08	4.81E-08	1.07E-07	4.59E-08	3.87E-08	8.46E-08
567 ALL	578295.96	4137571.22	6.24E-08	5.09E-08	1.13E-07	4.85E-08	4.09E-08	8.95E-08
568 ALL	578301.1	4137563.35	6.59E-08	5.37E-08	1.20E-07	5.13E-08	4.32E-08	9.45E-08
569 ALL	578337.07	4137508.23	9.10E-08	7.42E-08	1.65E-07	7.08E-08	5.97E-08	1.31E-07
570 ALL	578342.21	4137500.35	9.43E-08	7.68E-08	1.71E-07	7.33E-08	6.18E-08	1.35E-07
571 ALL	578273.7	4137634.18	3.99E-08	3.26E-08	7.25E-08	3.11E-08	2.62E-08	5.73E-08
572 ALL	578266.17	4137639.37	3.87E-08	3.16E-08	7.03E-08	3.01E-08	2.54E-08	5.55E-08
573 ALL	578258.64	4137644.57	3.76E-08	3.07E-08	6.83E-08	2.93E-08	2.47E-08	5.39E-08
574 ALL	578251.12	4137649.76	3.66E-08	2.99E-08	6.65E-08	2.85E-08	2.40E-08	5.25E-08
575 ALL	578243.59	4137654.96	3.57E-08	2.91E-08	6.48E-08	2.78E-08	2.34E-08	5.12E-08
576 ALL	578236.06	4137660.15	3.49E-08	2.85E-08	6.34E-08	2.72E-08	2.29E-08	5.01E-08
577 ALL	578228.53	4137665.35	3.43E-08	2.80E-08	6.22E-08	2.67E-08	2.25E-08	4.92E-08
578 ALL	578221	4137670.54	3.37E-08	2.75E-08	6.13E-08	2.62E-08	2.21E-08	4.84E-08
579 ALL	578213.47	4137675.74	3.33E-08	2.72E-08	6.05E-08	2.59E-08	2.19E-08	4.78E-08
580 ALL	578205.94	4137680.93	3.30E-08	2.69E-08	5.99E-08	2.57E-08	2.17E-08	4.73E-08

581 ALL	578198.41	4137686.13	3.28E-08	2.68E-08	5.95E-08	2.55E-08	2.15E-08	4.70E-08
582 ALL	578190.88	4137691.32	3.27E-08	2.67E-08	5.93E-08	2.54E-08	2.15E-08	4.69E-08
583 ALL	578183.35	4137696.51	3.26E-08	2.66E-08	5.93E-08	2.54E-08	2.14E-08	4.68E-08
584 ALL	578175.82	4137701.71	3.27E-08	2.67E-08	5.94E-08	2.54E-08	2.15E-08	4.69E-08
585 ALL	578168.29	4137706.9	3.28E-08	2.68E-08	5.96E-08	2.55E-08	2.15E-08	4.71E-08
586 ALL	578160.76	4137712.1	3.30E-08	2.69E-08	5.98E-08	2.56E-08	2.16E-08	4.73E-08
587 ALL	578153.23	4137717.29	3.31E-08	2.70E-08	6.02E-08	2.58E-08	2.18E-08	4.75E-08
588 ALL	578145.7	4137722.49	3.34E-08	2.72E-08	6.06E-08	2.60E-08	2.19E-08	4.79E-08
589 ALL	578138.18	4137727.68	3.36E-08	2.74E-08	6.10E-08	2.61E-08	2.21E-08	4.82E-08
590 ALL	578130.65	4137732.88	3.39E-08	2.76E-08	6.15E-08	2.64E-08	2.22E-08	4.86E-08
591 ALL	578123.12	4137738.07	3.42E-08	2.79E-08	6.20E-08	2.66E-08	2.24E-08	4.90E-08
592 ALL	578115.59	4137743.27	3.45E-08	2.81E-08	6.26E-08	2.68E-08	2.26E-08	4.94E-08
593 ALL	578108.06	4137748.46	3.48E-08	2.84E-08	6.32E-08	2.71E-08	2.28E-08	4.99E-08
594 ALL	578100.53	4137753.66	3.51E-08	2.87E-08	6.38E-08	2.73E-08	2.31E-08	5.04E-08
595 ALL	578093	4137758.85	3.55E-08	2.90E-08	6.45E-08	2.76E-08	2.33E-08	5.09E-08
596 ALL	578085.47	4137764.05	3.59E-08	2.93E-08	6.52E-08	2.79E-08	2.36E-08	5.15E-08
597 ALL	578077.94	4137769.24	3.63E-08	2.96E-08	6.59E-08	2.82E-08	2.38E-08	5.21E-08
598 ALL	578070.41	4137774.44	3.67E-08	3.00E-08	6.67E-08	2.86E-08	2.41E-08	5.27E-08
599 ALL	578053.87	4137778.05	3.89E-08	3.17E-08	7.06E-08	3.03E-08	2.55E-08	5.58E-08
600 ALL	578044.86	4137776.48	4.08E-08	3.32E-08	7.40E-08	3.17E-08	2.67E-08	5.85E-08
601 ALL	578035.85	4137774.9	4.28E-08	3.49E-08	7.76E-08	3.33E-08	2.81E-08	6.13E-08
602 ALL	578026.84	4137773.32	4.49E-08	3.66E-08	8.15E-08	3.49E-08	2.95E-08	6.44E-08
603 ALL	578017.83	4137771.74	4.72E-08	3.85E-08	8.57E-08	3.67E-08	3.10E-08	6.77E-08
604 ALL	578008.82	4137770.16	4.96E-08	4.05E-08	9.01E-08	3.86E-08	3.26E-08	7.11E-08
605 ALL	577999.81	4137768.58	5.22E-08	4.25E-08	9.47E-08	4.06E-08	3.42E-08	7.48E-08
606 ALL	577990.8	4137767	5.48E-08	4.47E-08	9.95E-08	4.27E-08	3.60E-08	7.86E-08
607 ALL	577981.79	4137765.43	5.76E-08	4.69E-08	1.05E-07	4.48E-08	3.78E-08	8.26E-08
608 ALL	577972.78	4137763.85	6.04E-08	4.93E-08	1.10E-07	4.70E-08	3.96E-08	8.66E-08
609 ALL	577963.77	4137762.27	6.34E-08	5.17E-08	1.15E-07	4.93E-08	4.16E-08	9.09E-08
610 ALL	577954.76	4137760.69	6.64E-08	5.41E-08	1.20E-07	5.16E-08	4.35E-08	9.52E-08
611 ALL	577945.75	4137759.11	6.94E-08	5.66E-08	1.26E-07	5.40E-08	4.55E-08	9.95E-08
612 ALL	577936.74	4137757.53	7.25E-08	5.91E-08	1.32E-07	5.64E-08	4.76E-08	1.04E-07
613 ALL	577927.73	4137755.96	7.57E-08	6.17E-08	1.37E-07	5.89E-08	4.97E-08	1.09E-07
614 ALL	577918.72	4137754.38	7.89E-08	6.44E-08	1.43E-07	6.14E-08	5.18E-08	1.13E-07
615 ALL	577909.71	4137752.8	8.22E-08	6.70E-08	1.49E-07	6.39E-08	5.39E-08	1.18E-07
616 ALL	577900.7	4137751.22	8.54E-08	6.97E-08	1.55E-07	6.65E-08	5.61E-08	1.23E-07
617 ALL	577891.69	4137749.64	8.87E-08	7.23E-08	1.61E-07	6.90E-08	5.82E-08	1.27E-07
618 ALL	577882.68	4137748.06	9.21E-08	7.51E-08	1.67E-07	7.16E-08	6.04E-08	1.32E-07
619 ALL	577873.67	4137746.49	9.55E-08	7.79E-08	1.73E-07	7.43E-08	6.27E-08	1.37E-07
620 ALL	577864.66	4137744.91	9.90E-08	8.07E-08	1.80E-07	7.70E-08	6.49E-08	1.42E-07
621 ALL	577855.65	4137743.33	1.02E-07	8.34E-08	1.86E-07	7.96E-08	6.72E-08	1.47E-07
622 ALL	577846.64	4137741.75	1.06E-07	8.62E-08	1.92E-07	8.23E-08	6.94E-08	1.52E-07
623 ALL	577837.62	4137740.17	1.09E-07	8.89E-08	1.98E-07	8.48E-08	7.15E-08	1.56E-07
624 ALL	577828.61	4137738.59	1.12E-07	9.14E-08	2.04E-07	8.72E-08	7.35E-08	1.61E-07
625 ALL	577819.6	4137737.02	1.15E-07	9.38E-08	2.09E-07	8.95E-08	7.55E-08	1.65E-07
626 ALL	577810.59	4137735.44	1.18E-07	9.61E-08	2.14E-07	9.17E-08	7.73E-08	1.69E-07
627 ALL	578281.23	4137628.98	4.12E-08	3.36E-08	7.48E-08	3.21E-08	2.71E-08	5.91E-08
628 ALL	578286.37	4137621.11	4.35E-08	3.54E-08	7.89E-08	3.38E-08	2.85E-08	6.23E-08
629 ALL	578291.51	4137613.23	4.59E-08	3.74E-08	8.32E-08	3.57E-08	3.01E-08	6.58E-08
630 ALL	578296.65	4137605.36	4.84E-08	3.95E-08	8.79E-08	3.77E-08	3.18E-08	6.94E-08
631 ALL	578301.79	4137597.48	5.11E-08	4.17E-08	9.28E-08	3.98E-08	3.36E-08	7.33E-08
632 ALL	578306.93	4137589.61	5.40E-08	4.40E-08	9.80E-08	4.20E-08	3.54E-08	7.74E-08
633 ALL	578312.06	4137581.73	5.70E-08	4.64E-08	1.03E-07	4.43E-08	3.74E-08	8.17E-08
634 ALL	578317.2	4137573.86	6.01E-08	4.90E-08	1.09E-07	4.67E-08	3.94E-08	8.61E-08
635 ALL	578322.34	4137565.99	6.32E-08	5.15E-08	1.15E-07	4.92E-08	4.15E-08	9.06E-08
636 ALL	578342.9	4137534.49	7.61E-08	6.20E-08	1.38E-07	5.92E-08	4.99E-08	1.09E-07
637 ALL	578348.04	4137526.61	7.92E-08	6.45E-08	1.44E-07	6.16E-08	5.19E-08	1.14E-07
638 ALL	578353.17	4137518.74	8.22E-08	6.70E-08	1.49E-07	6.40E-08	5.39E-08	1.18E-07

639 ALL	578358.31	4137510.86	8.51E-08	6.94E-08	1.54E-07	6.62E-08	5.58E-08	1.22E-07
640 ALL	578080.44	4137309.14	2.36E-06	1.92E-06	4.28E-06	1.84E-06	1.55E-06	3.38E-06
641 ALL	578068.33	4137297.77	3.08E-06	2.51E-06	5.58E-06	2.39E-06	2.02E-06	4.41E-06
642 ALL	578060.56	4137292.72	3.46E-06	2.82E-06	6.28E-06	2.69E-06	2.27E-06	4.96E-06
643 ALL	578052.79	4137287.66	3.66E-06	2.99E-06	6.65E-06	2.85E-06	2.40E-06	5.25E-06
644 ALL	578045.02	4137282.61	3.63E-06	2.96E-06	6.59E-06	2.82E-06	2.38E-06	5.20E-06
645 ALL	578085.89	4137300.76	2.06E-06	1.68E-06	3.74E-06	1.60E-06	1.35E-06	2.95E-06
646 ALL	578093.14	4137320.92	1.72E-06	1.40E-06	3.13E-06	1.34E-06	1.13E-06	2.47E-06
647 ALL	578073.78	4137289.39	2.55E-06	2.08E-06	4.63E-06	1.98E-06	1.67E-06	3.65E-06
648 ALL	578066.01	4137284.33	2.81E-06	2.29E-06	5.10E-06	2.18E-06	1.84E-06	4.03E-06
649 ALL	578058.24	4137279.28	2.95E-06	2.41E-06	5.36E-06	2.30E-06	1.94E-06	4.23E-06
650 ALL	578050.47	4137274.22	2.95E-06	2.41E-06	5.36E-06	2.30E-06	1.94E-06	4.23E-06
651 ALL	578091.34	4137292.37	1.80E-06	1.47E-06	3.28E-06	1.40E-06	1.18E-06	2.59E-06
652 ALL	578100	4137305.01	1.53E-06	1.25E-06	2.78E-06	1.19E-06	1.00E-06	2.20E-06
653 ALL	578102.93	4137318.86	1.42E-06	1.16E-06	2.58E-06	1.11E-06	9.33E-07	2.04E-06
654 ALL	578079.23	4137281	2.15E-06	1.75E-06	3.90E-06	1.67E-06	1.41E-06	3.08E-06
655 ALL	578071.46	4137275.95	2.33E-06	1.90E-06	4.23E-06	1.81E-06	1.53E-06	3.34E-06
656 ALL	578063.69	4137270.89	2.44E-06	1.99E-06	4.42E-06	1.90E-06	1.60E-06	3.49E-06
657 ALL	578055.92	4137265.84	2.45E-06	2.00E-06	4.45E-06	1.91E-06	1.61E-06	3.51E-06
658 ALL	578096.79	4137283.99	1.59E-06	1.30E-06	2.89E-06	1.24E-06	1.04E-06	2.28E-06
659 ALL	578105.46	4137296.63	1.39E-06	1.13E-06	2.51E-06	1.08E-06	9.08E-07	1.99E-06
660 ALL	578112.71	4137316.79	1.20E-06	9.77E-07	2.18E-06	9.33E-07	7.86E-07	1.72E-06
661 ALL	578109.89	4137331.85	1.22E-06	9.91E-07	2.21E-06	9.46E-07	7.97E-07	1.74E-06
662 ALL	578118.71	4137299.62	1.10E-06	9.00E-07	2.00E-06	8.59E-07	7.24E-07	1.58E-06
663 ALL	578122.21	4137316.23	1.03E-06	8.38E-07	1.87E-06	8.00E-07	6.75E-07	1.48E-06
664 ALL	578120.52	4137325.27	1.04E-06	8.48E-07	1.89E-06	8.10E-07	6.83E-07	1.49E-06
665 ALL	578108.42	4137268.28	1.25E-06	1.02E-06	2.27E-06	9.74E-07	8.21E-07	1.79E-06
666 ALL	578095.59	4137255.85	1.40E-06	1.14E-06	2.54E-06	1.09E-06	9.17E-07	2.00E-06
667 ALL	578087.82	4137250.8	1.47E-06	1.20E-06	2.68E-06	1.15E-06	9.67E-07	2.11E-06
668 ALL	578080.04	4137245.74	1.52E-06	1.24E-06	2.76E-06	1.18E-06	9.99E-07	2.18E-06
669 ALL	578072.27	4137240.69	1.54E-06	1.26E-06	2.80E-06	1.20E-06	1.01E-06	2.21E-06
670 ALL	578113.76	4137259.74	1.13E-06	9.18E-07	2.04E-06	8.76E-07	7.39E-07	1.61E-06
671 ALL	578123.67	4137274.19	1.02E-06	8.28E-07	1.84E-06	7.91E-07	6.67E-07	1.46E-06
672 ALL	578138.64	4137328.89	8.00E-07	6.52E-07	1.45E-06	6.22E-07	5.25E-07	1.15E-06
673 ALL	578135.42	4137346.1	7.95E-07	6.48E-07	1.44E-06	6.19E-07	5.21E-07	1.14E-06
674 ALL	578101.04	4137247.47	1.24E-06	1.01E-06	2.24E-06	9.61E-07	8.10E-07	1.77E-06
675 ALL	578093.27	4137242.42	1.30E-06	1.06E-06	2.35E-06	1.01E-06	8.50E-07	1.86E-06
676 ALL	578085.5	4137237.36	1.34E-06	1.09E-06	2.43E-06	1.04E-06	8.76E-07	1.92E-06
677 ALL	578077.72	4137232.31	1.35E-06	1.10E-06	2.46E-06	1.05E-06	8.88E-07	1.94E-06
678 ALL	578119.14	4137251.25	1.02E-06	8.28E-07	1.84E-06	7.90E-07	6.66E-07	1.46E-06
679 ALL	578128.89	4137265.46	9.34E-07	7.61E-07	1.69E-06	7.26E-07	6.12E-07	1.34E-06
680 ALL	578138.64	4137279.68	8.30E-07	6.76E-07	1.51E-06	6.46E-07	5.44E-07	1.19E-06
681 ALL	578148.5	4137326.42	7.10E-07	5.78E-07	1.29E-06	5.52E-07	4.65E-07	1.02E-06
682 ALL	578145.33	4137343.36	7.10E-07	5.79E-07	1.29E-06	5.53E-07	4.66E-07	1.02E-06
683 ALL	578106.49	4137239.09	1.10E-06	8.98E-07	2.00E-06	8.57E-07	7.22E-07	1.58E-06
684 ALL	578098.72	4137234.03	1.15E-06	9.37E-07	2.09E-06	8.94E-07	7.54E-07	1.65E-06
685 ALL	578090.95	4137228.98	1.18E-06	9.64E-07	2.15E-06	9.20E-07	7.76E-07	1.70E-06
686 ALL	578083.18	4137223.92	1.20E-06	9.77E-07	2.18E-06	9.33E-07	7.86E-07	1.72E-06
687 ALL	578124.53	4137242.78	9.21E-07	7.50E-07	1.67E-06	7.16E-07	6.04E-07	1.32E-06
688 ALL	578134.16	4137256.82	8.59E-07	7.00E-07	1.56E-06	6.68E-07	5.63E-07	1.23E-06
689 ALL	578143.79	4137270.86	7.75E-07	6.31E-07	1.41E-06	6.03E-07	5.08E-07	1.11E-06
690 ALL	578161.48	4137307.3	6.21E-07	5.06E-07	1.13E-06	4.83E-07	4.07E-07	8.90E-07
691 ALL	578158.34	4137324.04	6.35E-07	5.17E-07	1.15E-06	4.94E-07	4.16E-07	9.10E-07
692 ALL	578155.21	4137340.77	6.38E-07	5.20E-07	1.16E-06	4.97E-07	4.19E-07	9.15E-07
693 ALL	578152.08	4137357.51	6.25E-07	5.09E-07	1.13E-06	4.86E-07	4.10E-07	8.96E-07
694 ALL	578111.94	4137230.7	9.89E-07	8.06E-07	1.79E-06	7.69E-07	6.48E-07	1.42E-06
695 ALL	578104.17	4137225.65	1.03E-06	8.38E-07	1.87E-06	8.00E-07	6.75E-07	1.47E-06
696 ALL	578096.4	4137220.59	1.06E-06	8.61E-07	1.92E-06	8.22E-07	6.93E-07	1.52E-06

697 ALL	578088.63	4137215.54	1.07E-06	8.73E-07	1.94E-06	8.33E-07	7.03E-07	1.54E-06
698 ALL	578150.86	4137249.77	6.98E-07	5.68E-07	1.27E-06	5.43E-07	4.57E-07	1.00E-06
699 ALL	578156.03	4137257.3	6.65E-07	5.42E-07	1.21E-06	5.17E-07	4.36E-07	9.53E-07
700 ALL	578171.53	4137279.9	5.62E-07	4.58E-07	1.02E-06	4.38E-07	3.69E-07	8.06E-07
701 ALL	578176.69	4137287.43	5.32E-07	4.34E-07	9.66E-07	4.14E-07	3.49E-07	7.63E-07
702 ALL	578180.18	4137303.94	5.11E-07	4.17E-07	9.28E-07	3.98E-07	3.35E-07	7.33E-07
703 ALL	578178.5	4137312.92	5.18E-07	4.22E-07	9.40E-07	4.03E-07	3.40E-07	7.43E-07
704 ALL	578171.77	4137348.84	5.26E-07	4.29E-07	9.55E-07	4.09E-07	3.45E-07	7.54E-07
705 ALL	578170.09	4137357.81	5.20E-07	4.24E-07	9.43E-07	4.04E-07	3.41E-07	7.45E-07
706 ALL	578168.41	4137366.79	5.09E-07	4.15E-07	9.24E-07	3.96E-07	3.34E-07	7.30E-07
707 ALL	578099.11	4137199.42	8.79E-07	7.17E-07	1.60E-06	6.84E-07	5.77E-07	1.26E-06
708 ALL	578091.34	4137194.36	8.81E-07	7.18E-07	1.60E-06	6.86E-07	5.78E-07	1.26E-06
709 ALL	578145.68	4137210.8	6.59E-07	5.37E-07	1.20E-06	5.12E-07	4.32E-07	9.44E-07
710 ALL	578155.68	4137225.38	6.30E-07	5.14E-07	1.14E-06	4.90E-07	4.13E-07	9.03E-07
711 ALL	578199.05	4137299.68	4.29E-07	3.49E-07	7.78E-07	3.34E-07	2.81E-07	6.15E-07
712 ALL	578195.8	4137317.06	4.39E-07	3.58E-07	7.97E-07	3.42E-07	2.88E-07	6.30E-07
713 ALL	578189.29	4137351.81	4.44E-07	3.62E-07	8.06E-07	3.45E-07	2.91E-07	6.37E-07
714 ALL	578186.04	4137369.19	4.31E-07	3.51E-07	7.82E-07	3.35E-07	2.82E-07	6.18E-07
715 ALL	578132.91	4137198.46	6.92E-07	5.64E-07	1.26E-06	5.38E-07	4.54E-07	9.92E-07
716 ALL	578125.14	4137193.4	7.12E-07	5.80E-07	1.29E-06	5.54E-07	4.67E-07	1.02E-06
717 ALL	578117.37	4137188.35	7.27E-07	5.93E-07	1.32E-06	5.66E-07	4.77E-07	1.04E-06
718 ALL	578109.6	4137183.3	7.37E-07	6.00E-07	1.34E-06	5.73E-07	4.83E-07	1.06E-06
719 ALL	578101.82	4137178.24	7.40E-07	6.03E-07	1.34E-06	5.75E-07	4.85E-07	1.06E-06
720 ALL	578156.05	4137194.51	5.69E-07	4.64E-07	1.03E-06	4.43E-07	3.73E-07	8.16E-07
721 ALL	578165.81	4137208.74	5.51E-07	4.49E-07	1.00E-06	4.28E-07	3.61E-07	7.90E-07
722 ALL	578175.57	4137222.97	5.22E-07	4.25E-07	9.47E-07	4.06E-07	3.42E-07	7.48E-07
723 ALL	578195.09	4137251.44	4.47E-07	3.64E-07	8.10E-07	3.47E-07	2.93E-07	6.40E-07
724 ALL	578214.73	4137312.47	3.75E-07	3.05E-07	6.80E-07	2.92E-07	2.46E-07	5.37E-07
725 ALL	578211.55	4137329.43	3.81E-07	3.11E-07	6.92E-07	2.97E-07	2.50E-07	5.47E-07
726 ALL	578205.2	4137363.36	3.77E-07	3.07E-07	6.83E-07	2.93E-07	2.47E-07	5.40E-07
727 ALL	578202.03	4137380.32	3.61E-07	2.94E-07	6.56E-07	2.81E-07	2.37E-07	5.18E-07
728 ALL	578143.39	4137182.34	5.92E-07	4.83E-07	1.08E-06	4.61E-07	3.89E-07	8.49E-07
729 ALL	578135.62	4137177.28	6.08E-07	4.95E-07	1.10E-06	4.73E-07	3.99E-07	8.71E-07
730 ALL	578166.76	4137178.72	4.97E-07	4.05E-07	9.01E-07	3.86E-07	3.26E-07	7.12E-07
731 ALL	578187.2	4137208.53	4.61E-07	3.76E-07	8.36E-07	3.59E-07	3.02E-07	6.61E-07
732 ALL	578202.53	4137230.89	4.16E-07	3.39E-07	7.54E-07	3.23E-07	2.73E-07	5.96E-07
733 ALL	578212.76	4137245.79	3.82E-07	3.12E-07	6.94E-07	2.97E-07	2.51E-07	5.48E-07
734 ALL	578217.87	4137253.24	3.66E-07	2.99E-07	6.65E-07	2.85E-07	2.40E-07	5.25E-07
735 ALL	578222.98	4137260.69	3.51E-07	2.86E-07	6.38E-07	2.73E-07	2.30E-07	5.04E-07
736 ALL	578228.09	4137268.15	3.37E-07	2.75E-07	6.12E-07	2.62E-07	2.21E-07	4.84E-07
737 ALL	578236.65	4137291.93	3.17E-07	2.58E-07	5.75E-07	2.47E-07	2.08E-07	4.54E-07
738 ALL	578229.99	4137327.46	3.31E-07	2.70E-07	6.01E-07	2.58E-07	2.17E-07	4.75E-07
739 ALL	578226.67	4137345.22	3.33E-07	2.71E-07	6.05E-07	2.59E-07	2.18E-07	4.78E-07
740 ALL	578223.34	4137362.99	3.29E-07	2.68E-07	5.97E-07	2.56E-07	2.16E-07	4.71E-07
741 ALL	578220.02	4137380.75	3.17E-07	2.58E-07	5.75E-07	2.46E-07	2.08E-07	4.54E-07
742 ALL	578218.36	4137389.63	3.08E-07	2.51E-07	5.59E-07	2.39E-07	2.02E-07	4.41E-07
743 ALL	578161.65	4137171.27	5.00E-07	4.07E-07	9.07E-07	3.89E-07	3.28E-07	7.16E-07
744 ALL	578153.88	4137166.22	5.14E-07	4.19E-07	9.33E-07	4.00E-07	3.37E-07	7.37E-07
745 ALL	578146.11	4137161.16	5.26E-07	4.29E-07	9.55E-07	4.09E-07	3.45E-07	7.54E-07
746 ALL	578138.33	4137156.11	5.35E-07	4.36E-07	9.71E-07	4.16E-07	3.51E-07	7.67E-07
747 ALL	578130.56	4137151.05	5.41E-07	4.41E-07	9.83E-07	4.21E-07	3.55E-07	7.76E-07
748 ALL	578122.79	4137146	5.45E-07	4.44E-07	9.88E-07	4.24E-07	3.57E-07	7.81E-07
749 ALL	578177.13	4137162.44	4.38E-07	3.57E-07	7.94E-07	3.40E-07	2.87E-07	6.28E-07
750 ALL	578187.13	4137177.02	4.29E-07	3.49E-07	7.78E-07	3.34E-07	2.81E-07	6.15E-07
751 ALL	578197.13	4137191.6	4.13E-07	3.37E-07	7.50E-07	3.21E-07	2.71E-07	5.92E-07
752 ALL	578202.13	4137198.89	4.03E-07	3.29E-07	7.32E-07	3.14E-07	2.64E-07	5.78E-07
753 ALL	578232.13	4137242.63	3.27E-07	2.67E-07	5.94E-07	2.55E-07	2.15E-07	4.69E-07
754 ALL	578242.13	4137257.21	3.03E-07	2.47E-07	5.51E-07	2.36E-07	1.99E-07	4.35E-07



755 ALL	578252.13	4137271.79	2.83E-07	2.31E-07	5.14E-07	2.20E-07	1.86E-07	4.06E-07
756 ALL	578255.5	4137287.77	2.78E-07	2.26E-07	5.04E-07	2.16E-07	1.82E-07	3.98E-07
757 ALL	578248.99	4137322.52	2.90E-07	2.36E-07	5.27E-07	2.26E-07	1.90E-07	4.16E-07
758 ALL	578245.74	4137339.9	2.93E-07	2.39E-07	5.32E-07	2.28E-07	1.92E-07	4.20E-07
759 ALL	578239.23	4137374.65	2.84E-07	2.32E-07	5.16E-07	2.21E-07	1.86E-07	4.08E-07
760 ALL	578235.98	4137392.03	2.71E-07	2.21E-07	4.92E-07	2.11E-07	1.78E-07	3.89E-07
761 ALL	578232.73	4137409.41	2.53E-07	2.06E-07	4.59E-07	1.97E-07	1.66E-07	3.63E-07
762 ALL	578164.36	4137150.09	4.51E-07	3.67E-07	8.18E-07	3.51E-07	2.96E-07	6.46E-07
763 ALL	578156.59	4137145.04	4.60E-07	3.75E-07	8.35E-07	3.58E-07	3.02E-07	6.60E-07
764 ALL	578148.82	4137139.99	4.68E-07	3.81E-07	8.49E-07	3.64E-07	3.07E-07	6.70E-07
765 ALL	578141.05	4137134.93	4.73E-07	3.85E-07	8.58E-07	3.68E-07	3.10E-07	6.78E-07
766 ALL	578133.27	4137129.88	4.75E-07	3.87E-07	8.63E-07	3.70E-07	3.12E-07	6.82E-07
767 ALL	578198.17	4137161.71	3.82E-07	3.12E-07	6.94E-07	2.97E-07	2.51E-07	5.48E-07
768 ALL	578203.36	4137169.27	3.77E-07	3.07E-07	6.84E-07	2.93E-07	2.47E-07	5.40E-07
769 ALL	578208.54	4137176.83	3.70E-07	3.02E-07	6.72E-07	2.88E-07	2.43E-07	5.31E-07
770 ALL	578213.73	4137184.39	3.62E-07	2.95E-07	6.57E-07	2.82E-07	2.37E-07	5.19E-07
771 ALL	578218.91	4137191.95	3.53E-07	2.87E-07	6.40E-07	2.74E-07	2.31E-07	5.06E-07
772 ALL	578224.09	4137199.51	3.43E-07	2.79E-07	6.22E-07	2.66E-07	2.25E-07	4.91E-07
773 ALL	578229.28	4137207.07	3.32E-07	2.70E-07	6.02E-07	2.58E-07	2.17E-07	4.75E-07
774 ALL	578234.46	4137214.63	3.20E-07	2.61E-07	5.81E-07	2.49E-07	2.10E-07	4.59E-07
775 ALL	578239.65	4137222.19	3.09E-07	2.52E-07	5.61E-07	2.40E-07	2.03E-07	4.43E-07
776 ALL	578270.76	4137267.55	2.50E-07	2.04E-07	4.53E-07	1.94E-07	1.64E-07	3.58E-07
777 ALL	578274.25	4137284.12	2.46E-07	2.00E-07	4.46E-07	1.91E-07	1.61E-07	3.52E-07
778 ALL	578272.57	4137293.13	2.49E-07	2.03E-07	4.52E-07	1.94E-07	1.63E-07	3.57E-07
779 ALL	578270.88	4137302.14	2.52E-07	2.05E-07	4.57E-07	1.96E-07	1.65E-07	3.61E-07
780 ALL	578264.13	4137338.18	2.60E-07	2.12E-07	4.72E-07	2.02E-07	1.70E-07	3.73E-07
781 ALL	578262.45	4137347.19	2.60E-07	2.12E-07	4.72E-07	2.02E-07	1.70E-07	3.73E-07
782 ALL	578260.76	4137356.2	2.59E-07	2.11E-07	4.70E-07	2.01E-07	1.70E-07	3.71E-07
783 ALL	578259.07	4137365.21	2.57E-07	2.09E-07	4.66E-07	2.00E-07	1.68E-07	3.68E-07
784 ALL	578254.01	4137392.24	2.43E-07	1.98E-07	4.40E-07	1.89E-07	1.59E-07	3.48E-07
785 ALL	578252.32	4137401.25	2.36E-07	1.92E-07	4.27E-07	1.83E-07	1.54E-07	3.38E-07
786 ALL	578250.64	4137410.26	2.27E-07	1.85E-07	4.13E-07	1.77E-07	1.49E-07	3.26E-07
787 ALL	578248.95	4137419.28	2.18E-07	1.78E-07	3.96E-07	1.70E-07	1.43E-07	3.13E-07
788 ALL	578233.76	4137182.2	3.14E-07	2.56E-07	5.70E-07	2.44E-07	2.06E-07	4.50E-07
789 ALL	578243.93	4137197.02	2.97E-07	2.42E-07	5.39E-07	2.31E-07	1.95E-07	4.26E-07
790 ALL	578249.01	4137204.43	2.88E-07	2.34E-07	5.22E-07	2.24E-07	1.89E-07	4.12E-07
791 ALL	578259.18	4137219.25	2.69E-07	2.19E-07	4.88E-07	2.09E-07	1.76E-07	3.86E-07
792 ALL	578264.26	4137226.67	2.60E-07	2.12E-07	4.72E-07	2.02E-07	1.70E-07	3.73E-07
793 ALL	578274.43	4137241.49	2.43E-07	1.98E-07	4.41E-07	1.89E-07	1.59E-07	3.48E-07
794 ALL	578279.51	4137248.9	2.36E-07	1.92E-07	4.27E-07	1.83E-07	1.54E-07	3.38E-07
795 ALL	578289.8	4137297.64	2.25E-07	1.83E-07	4.08E-07	1.75E-07	1.47E-07	3.22E-07
796 ALL	578286.49	4137315.3	2.29E-07	1.87E-07	4.16E-07	1.78E-07	1.50E-07	3.29E-07
797 ALL	578279.87	4137350.64	2.32E-07	1.89E-07	4.21E-07	1.81E-07	1.52E-07	3.33E-07
798 ALL	578271.6	4137394.8	2.17E-07	1.77E-07	3.93E-07	1.69E-07	1.42E-07	3.11E-07
799 ALL	578269.95	4137403.64	2.11E-07	1.72E-07	3.83E-07	1.64E-07	1.38E-07	3.02E-07
800 ALL	578266.64	4137421.31	1.97E-07	1.60E-07	3.57E-07	1.53E-07	1.29E-07	2.82E-07
801 ALL	578264.99	4137430.14	1.89E-07	1.54E-07	3.43E-07	1.47E-07	1.24E-07	2.71E-07
802 ALL	578271.67	4137206.07	2.47E-07	2.01E-07	4.49E-07	1.92E-07	1.62E-07	3.54E-07
803 ALL	578276.91	4137213.7	2.39E-07	1.95E-07	4.34E-07	1.86E-07	1.57E-07	3.43E-07
804 ALL	578282.15	4137221.34	2.31E-07	1.89E-07	4.20E-07	1.80E-07	1.52E-07	3.32E-07
805 ALL	578287.39	4137228.98	2.24E-07	1.83E-07	4.07E-07	1.74E-07	1.47E-07	3.21E-07
806 ALL	578292.62	4137236.61	2.17E-07	1.77E-07	3.94E-07	1.69E-07	1.42E-07	3.11E-07
807 ALL	578297.86	4137244.25	2.11E-07	1.72E-07	3.82E-07	1.64E-07	1.38E-07	3.02E-07
808 ALL	578303.1	4137251.89	2.05E-07	1.67E-07	3.72E-07	1.59E-07	1.34E-07	2.94E-07
809 ALL	578308.34	4137259.53	1.99E-07	1.62E-07	3.62E-07	1.55E-07	1.31E-07	2.86E-07
810 ALL	578306.76	4137303.57	2.04E-07	1.67E-07	3.71E-07	1.59E-07	1.34E-07	2.93E-07
811 ALL	578305.05	4137312.68	2.06E-07	1.68E-07	3.75E-07	1.61E-07	1.35E-07	2.96E-07
812 ALL	578303.35	4137321.78	2.08E-07	1.69E-07	3.77E-07	1.62E-07	1.36E-07	2.98E-07

813 ALL	578301.64	4137330.88	2.09E-07	1.70E-07	3.79E-07	1.63E-07	1.37E-07	3.00E-07
814 ALL	578286.31	4137412.8	1.86E-07	1.52E-07	3.38E-07	1.45E-07	1.22E-07	2.67E-07
815 ALL	578284.6	4137421.91	1.80E-07	1.46E-07	3.26E-07	1.40E-07	1.18E-07	2.58E-07
816 ALL	578282.9	4137431.01	1.73E-07	1.41E-07	3.14E-07	1.34E-07	1.13E-07	2.48E-07
817 ALL	578203.59	4137106.78	3.15E-07	2.56E-07	5.71E-07	2.45E-07	2.06E-07	4.51E-07
818 ALL	578195.81	4137101.73	3.20E-07	2.61E-07	5.82E-07	2.49E-07	2.10E-07	4.59E-07
819 ALL	578188.04	4137096.67	3.25E-07	2.65E-07	5.91E-07	2.53E-07	2.13E-07	4.67E-07
820 ALL	578180.27	4137091.62	3.29E-07	2.68E-07	5.98E-07	2.56E-07	2.16E-07	4.72E-07
821 ALL	578172.5	4137086.57	3.32E-07	2.71E-07	6.03E-07	2.59E-07	2.18E-07	4.77E-07
822 ALL	578219.21	4137098.16	2.85E-07	2.32E-07	5.17E-07	2.21E-07	1.87E-07	4.08E-07
823 ALL	578224.36	4137105.66	2.84E-07	2.31E-07	5.15E-07	2.21E-07	1.86E-07	4.07E-07
824 ALL	578229.5	4137113.16	2.82E-07	2.30E-07	5.12E-07	2.19E-07	1.85E-07	4.04E-07
825 ALL	578234.65	4137120.67	2.79E-07	2.28E-07	5.07E-07	2.17E-07	1.83E-07	4.00E-07
826 ALL	578239.79	4137128.17	2.76E-07	2.25E-07	5.01E-07	2.15E-07	1.81E-07	3.96E-07
827 ALL	578306.67	4137225.68	2.00E-07	1.63E-07	3.63E-07	1.55E-07	1.31E-07	2.87E-07
828 ALL	578311.81	4137233.19	1.94E-07	1.58E-07	3.53E-07	1.51E-07	1.27E-07	2.78E-07
829 ALL	578316.96	4137240.69	1.89E-07	1.54E-07	3.43E-07	1.47E-07	1.24E-07	2.71E-07
830 ALL	578322.1	4137248.19	1.84E-07	1.50E-07	3.35E-07	1.43E-07	1.21E-07	2.64E-07
831 ALL	578327.25	4137255.69	1.80E-07	1.47E-07	3.27E-07	1.40E-07	1.18E-07	2.58E-07
832 ALL	578330.72	4137272.13	1.78E-07	1.45E-07	3.23E-07	1.39E-07	1.17E-07	2.55E-07
833 ALL	578320.67	4137325.78	1.89E-07	1.54E-07	3.43E-07	1.47E-07	1.24E-07	2.71E-07
834 ALL	578319	4137334.72	1.90E-07	1.55E-07	3.44E-07	1.48E-07	1.24E-07	2.72E-07
835 ALL	578317.33	4137343.66	1.90E-07	1.55E-07	3.45E-07	1.48E-07	1.25E-07	2.72E-07
836 ALL	578303.93	4137415.18	1.69E-07	1.38E-07	3.07E-07	1.32E-07	1.11E-07	2.42E-07
837 ALL	578300.59	4137433.06	1.58E-07	1.29E-07	2.87E-07	1.23E-07	1.04E-07	2.27E-07
838 ALL	578298.91	4137442	1.52E-07	1.24E-07	2.76E-07	1.18E-07	9.97E-08	2.18E-07
839 ALL	578214.07	4137090.66	2.85E-07	2.32E-07	5.17E-07	2.22E-07	1.87E-07	4.09E-07
840 ALL	578206.3	4137085.61	2.90E-07	2.36E-07	5.26E-07	2.26E-07	1.90E-07	4.16E-07
841 ALL	578198.53	4137080.55	2.94E-07	2.40E-07	5.34E-07	2.29E-07	1.93E-07	4.22E-07
842 ALL	578190.75	4137075.5	2.98E-07	2.43E-07	5.40E-07	2.31E-07	1.95E-07	4.27E-07
843 ALL	578182.98	4137070.44	3.00E-07	2.45E-07	5.45E-07	2.33E-07	1.97E-07	4.30E-07
844 ALL	578229.62	4137081.93	2.59E-07	2.11E-07	4.71E-07	2.02E-07	1.70E-07	3.72E-07
845 ALL	578239.75	4137096.7	2.57E-07	2.10E-07	4.67E-07	2.00E-07	1.69E-07	3.69E-07
846 ALL	578249.88	4137111.47	2.53E-07	2.06E-07	4.59E-07	1.97E-07	1.66E-07	3.63E-07
847 ALL	578260.02	4137126.25	2.47E-07	2.01E-07	4.48E-07	1.92E-07	1.62E-07	3.54E-07
848 ALL	578349.56	4137268.02	1.62E-07	1.32E-07	2.94E-07	1.26E-07	1.06E-07	2.32E-07
849 ALL	578346.26	4137285.63	1.66E-07	1.35E-07	3.02E-07	1.29E-07	1.09E-07	2.38E-07
850 ALL	578338.02	4137329.66	1.73E-07	1.41E-07	3.14E-07	1.34E-07	1.13E-07	2.48E-07
851 ALL	578334.72	4137347.27	1.73E-07	1.41E-07	3.14E-07	1.35E-07	1.14E-07	2.48E-07
852 ALL	578331.43	4137364.87	1.72E-07	1.40E-07	3.11E-07	1.33E-07	1.12E-07	2.46E-07
853 ALL	578329.78	4137373.68	1.70E-07	1.39E-07	3.09E-07	1.32E-07	1.11E-07	2.44E-07
854 ALL	578319.89	4137426.51	1.50E-07	1.22E-07	2.72E-07	1.17E-07	9.83E-08	2.15E-07
855 ALL	578316.59	4137444.12	1.40E-07	1.14E-07	2.54E-07	1.09E-07	9.18E-08	2.01E-07
856 ALL	578224.55	4137074.54	2.60E-07	2.12E-07	4.71E-07	2.02E-07	1.70E-07	3.72E-07
857 ALL	578216.78	4137069.48	2.64E-07	2.15E-07	4.79E-07	2.05E-07	1.73E-07	3.78E-07
858 ALL	578209.01	4137064.43	2.67E-07	2.18E-07	4.85E-07	2.08E-07	1.75E-07	3.83E-07
859 ALL	578201.24	4137059.38	2.70E-07	2.20E-07	4.90E-07	2.10E-07	1.77E-07	3.87E-07
860 ALL	578193.47	4137054.32	2.72E-07	2.22E-07	4.94E-07	2.12E-07	1.79E-07	3.90E-07
861 ALL	578240.23	4137065.99	2.38E-07	1.94E-07	4.31E-07	1.85E-07	1.56E-07	3.41E-07
862 ALL	578245.42	4137073.56	2.37E-07	1.93E-07	4.30E-07	1.84E-07	1.55E-07	3.40E-07
863 ALL	578250.61	4137081.13	2.36E-07	1.92E-07	4.28E-07	1.84E-07	1.55E-07	3.38E-07
864 ALL	578255.8	4137088.7	2.34E-07	1.91E-07	4.25E-07	1.82E-07	1.54E-07	3.36E-07
865 ALL	578261	4137096.27	2.32E-07	1.89E-07	4.22E-07	1.81E-07	1.52E-07	3.33E-07
866 ALL	578266.19	4137103.84	2.30E-07	1.87E-07	4.17E-07	1.79E-07	1.51E-07	3.30E-07
867 ALL	578271.38	4137111.41	2.27E-07	1.85E-07	4.12E-07	1.77E-07	1.49E-07	3.25E-07
868 ALL	578302.53	4137156.83	2.03E-07	1.65E-07	3.68E-07	1.58E-07	1.33E-07	2.90E-07
869 ALL	578307.72	4137164.4	1.97E-07	1.61E-07	3.58E-07	1.54E-07	1.29E-07	2.83E-07
870 ALL	578312.91	4137171.97	1.92E-07	1.57E-07	3.49E-07	1.50E-07	1.26E-07	2.76E-07

871 ALL	578318.1	4137179.54	1.87E-07	1.52E-07	3.40E-07	1.46E-07	1.23E-07	2.68E-07
872 ALL	578364.95	4137282.32	1.52E-07	1.24E-07	2.76E-07	1.18E-07	9.97E-08	2.18E-07
873 ALL	578363.26	4137291.34	1.54E-07	1.25E-07	2.79E-07	1.20E-07	1.01E-07	2.20E-07
874 ALL	578361.58	4137300.36	1.55E-07	1.27E-07	2.82E-07	1.21E-07	1.02E-07	2.23E-07
875 ALL	578359.89	4137309.39	1.57E-07	1.28E-07	2.84E-07	1.22E-07	1.03E-07	2.24E-07
876 ALL	578358.2	4137318.41	1.58E-07	1.28E-07	2.86E-07	1.23E-07	1.03E-07	2.26E-07
877 ALL	578349.75	4137363.52	1.57E-07	1.28E-07	2.86E-07	1.22E-07	1.03E-07	2.26E-07
878 ALL	578348.06	4137372.55	1.56E-07	1.27E-07	2.83E-07	1.21E-07	1.02E-07	2.24E-07
879 ALL	578346.37	4137381.57	1.54E-07	1.26E-07	2.80E-07	1.20E-07	1.01E-07	2.21E-07
880 ALL	578344.68	4137390.59	1.52E-07	1.24E-07	2.76E-07	1.18E-07	9.97E-08	2.18E-07
881 ALL	578342.99	4137399.61	1.49E-07	1.22E-07	2.71E-07	1.16E-07	9.79E-08	2.14E-07
882 ALL	578341.31	4137408.64	1.46E-07	1.19E-07	2.65E-07	1.14E-07	9.59E-08	2.10E-07
883 ALL	578339.62	4137417.66	1.43E-07	1.16E-07	2.59E-07	1.11E-07	9.35E-08	2.05E-07
884 ALL	578337.93	4137426.68	1.39E-07	1.13E-07	2.52E-07	1.08E-07	9.10E-08	1.99E-07
885 ALL	578336.24	4137435.71	1.35E-07	1.10E-07	2.44E-07	1.05E-07	8.82E-08	1.93E-07
886 ALL	578334.55	4137444.73	1.30E-07	1.06E-07	2.36E-07	1.01E-07	8.53E-08	1.87E-07
887 ALL	578332.86	4137453.75	1.25E-07	1.02E-07	2.28E-07	9.75E-08	8.22E-08	1.80E-07
888 ALL	578235.04	4137058.42	2.37E-07	1.94E-07	4.31E-07	1.85E-07	1.56E-07	3.40E-07
889 ALL	578227.26	4137053.36	2.41E-07	1.96E-07	4.37E-07	1.87E-07	1.58E-07	3.46E-07
890 ALL	578219.49	4137048.31	2.44E-07	1.99E-07	4.43E-07	1.90E-07	1.60E-07	3.50E-07
891 ALL	578211.72	4137043.25	2.47E-07	2.01E-07	4.47E-07	1.92E-07	1.62E-07	3.53E-07
892 ALL	578203.95	4137038.2	2.48E-07	2.02E-07	4.51E-07	1.93E-07	1.63E-07	3.56E-07
893 ALL	578250.64	4137049.76	2.18E-07	1.78E-07	3.96E-07	1.70E-07	1.43E-07	3.13E-07
894 ALL	578255.76	4137057.22	2.18E-07	1.78E-07	3.96E-07	1.70E-07	1.43E-07	3.12E-07
895 ALL	578260.88	4137064.69	2.17E-07	1.77E-07	3.94E-07	1.69E-07	1.42E-07	3.11E-07
896 ALL	578265.99	4137072.15	2.16E-07	1.76E-07	3.92E-07	1.68E-07	1.42E-07	3.10E-07
897 ALL	578276.23	4137087.08	2.13E-07	1.73E-07	3.86E-07	1.65E-07	1.39E-07	3.05E-07
898 ALL	578281.35	4137094.54	2.10E-07	1.71E-07	3.82E-07	1.64E-07	1.38E-07	3.01E-07
899 ALL	578286.47	4137102	2.08E-07	1.69E-07	3.77E-07	1.61E-07	1.36E-07	2.98E-07
900 ALL	578291.59	4137109.47	2.05E-07	1.67E-07	3.72E-07	1.59E-07	1.34E-07	2.93E-07
901 ALL	578296.71	4137116.93	2.02E-07	1.64E-07	3.66E-07	1.57E-07	1.32E-07	2.89E-07
902 ALL	578301.82	4137124.39	1.98E-07	1.61E-07	3.60E-07	1.54E-07	1.30E-07	2.84E-07
903 ALL	578312.06	4137139.32	1.91E-07	1.55E-07	3.46E-07	1.48E-07	1.25E-07	2.73E-07
904 ALL	578317.18	4137146.79	1.86E-07	1.52E-07	3.38E-07	1.45E-07	1.22E-07	2.67E-07
905 ALL	578322.3	4137154.25	1.82E-07	1.48E-07	3.30E-07	1.42E-07	1.19E-07	2.61E-07
906 ALL	578327.42	4137161.71	1.78E-07	1.45E-07	3.22E-07	1.38E-07	1.16E-07	2.55E-07
907 ALL	578332.53	4137169.18	1.73E-07	1.41E-07	3.14E-07	1.35E-07	1.13E-07	2.48E-07
908 ALL	578337.65	4137176.64	1.69E-07	1.37E-07	3.06E-07	1.31E-07	1.11E-07	2.42E-07
909 ALL	578347.89	4137191.57	1.60E-07	1.30E-07	2.90E-07	1.24E-07	1.05E-07	2.29E-07
910 ALL	578353.01	4137199.03	1.56E-07	1.27E-07	2.83E-07	1.21E-07	1.02E-07	2.24E-07
911 ALL	578378.85	4137304.65	1.44E-07	1.17E-07	2.61E-07	1.12E-07	9.43E-08	2.06E-07
912 ALL	578375.51	4137322.44	1.46E-07	1.19E-07	2.64E-07	1.13E-07	9.54E-08	2.09E-07
913 ALL	578372.18	4137340.23	1.46E-07	1.19E-07	2.65E-07	1.14E-07	9.58E-08	2.10E-07
914 ALL	578355.53	4137429.19	1.28E-07	1.04E-07	2.32E-07	9.96E-08	8.39E-08	1.83E-07
915 ALL	578352.2	4137446.98	1.20E-07	9.82E-08	2.19E-07	9.37E-08	7.90E-08	1.73E-07
916 ALL	578350.53	4137455.88	1.16E-07	9.49E-08	2.11E-07	9.06E-08	7.63E-08	1.67E-07
917 ALL	578245.52	4137042.29	2.18E-07	1.78E-07	3.96E-07	1.70E-07	1.43E-07	3.13E-07
918 ALL	578237.75	4137037.24	2.21E-07	1.80E-07	4.02E-07	1.72E-07	1.45E-07	3.17E-07
919 ALL	578229.98	4137032.19	2.24E-07	1.82E-07	4.06E-07	1.74E-07	1.47E-07	3.21E-07
920 ALL	578222.2	4137027.13	2.26E-07	1.84E-07	4.10E-07	1.76E-07	1.48E-07	3.24E-07
921 ALL	578214.43	4137022.08	2.28E-07	1.86E-07	4.13E-07	1.77E-07	1.49E-07	3.27E-07
922 ALL	578206.66	4137017.02	2.29E-07	1.87E-07	4.16E-07	1.78E-07	1.50E-07	3.28E-07
923 ALL	578261.23	4137033.8	2.01E-07	1.64E-07	3.66E-07	1.57E-07	1.32E-07	2.89E-07
924 ALL	578266.46	4137041.42	2.01E-07	1.64E-07	3.65E-07	1.56E-07	1.32E-07	2.88E-07
925 ALL	578271.69	4137049.05	2.01E-07	1.63E-07	3.64E-07	1.56E-07	1.31E-07	2.87E-07
926 ALL	578276.92	4137056.67	2.00E-07	1.63E-07	3.62E-07	1.55E-07	1.31E-07	2.86E-07
927 ALL	578282.15	4137064.3	1.98E-07	1.62E-07	3.60E-07	1.54E-07	1.30E-07	2.84E-07
928 ALL	578287.38	4137071.92	1.97E-07	1.60E-07	3.57E-07	1.53E-07	1.29E-07	2.82E-07

929 ALL	578292.61	4137079.55	1.95E-07	1.59E-07	3.53E-07	1.51E-07	1.28E-07	2.79E-07
930 ALL	578297.84	4137087.17	1.92E-07	1.57E-07	3.49E-07	1.50E-07	1.26E-07	2.76E-07
931 ALL	578303.07	4137094.8	1.90E-07	1.55E-07	3.45E-07	1.48E-07	1.25E-07	2.72E-07
932 ALL	578308.3	4137102.43	1.87E-07	1.53E-07	3.40E-07	1.46E-07	1.23E-07	2.68E-07
933 ALL	578313.53	4137110.05	1.84E-07	1.50E-07	3.34E-07	1.43E-07	1.21E-07	2.64E-07
934 ALL	578318.76	4137117.68	1.81E-07	1.47E-07	3.28E-07	1.41E-07	1.19E-07	2.59E-07
935 ALL	578323.99	4137125.3	1.78E-07	1.45E-07	3.22E-07	1.38E-07	1.16E-07	2.55E-07
936 ALL	578329.21	4137132.93	1.74E-07	1.42E-07	3.16E-07	1.35E-07	1.14E-07	2.49E-07
937 ALL	578334.44	4137140.55	1.70E-07	1.39E-07	3.09E-07	1.32E-07	1.12E-07	2.44E-07
938 ALL	578339.67	4137148.18	1.66E-07	1.35E-07	3.02E-07	1.29E-07	1.09E-07	2.38E-07
939 ALL	578344.9	4137155.8	1.62E-07	1.32E-07	2.94E-07	1.26E-07	1.06E-07	2.33E-07
940 ALL	578350.13	4137163.43	1.58E-07	1.29E-07	2.87E-07	1.23E-07	1.04E-07	2.27E-07
941 ALL	578355.36	4137171.05	1.54E-07	1.26E-07	2.80E-07	1.20E-07	1.01E-07	2.21E-07
942 ALL	578360.59	4137178.68	1.50E-07	1.22E-07	2.73E-07	1.17E-07	9.85E-08	2.15E-07
943 ALL	578365.82	4137186.3	1.46E-07	1.19E-07	2.66E-07	1.14E-07	9.60E-08	2.10E-07
944 ALL	578371.05	4137193.93	1.43E-07	1.16E-07	2.59E-07	1.11E-07	9.37E-08	2.05E-07
945 ALL	578376.28	4137201.55	1.40E-07	1.14E-07	2.53E-07	1.09E-07	9.16E-08	2.00E-07
946 ALL	578381.51	4137209.18	1.37E-07	1.11E-07	2.48E-07	1.06E-07	8.96E-08	1.96E-07
947 ALL	578386.74	4137216.8	1.34E-07	1.09E-07	2.43E-07	1.04E-07	8.77E-08	1.92E-07
948 ALL	578405.95	4137256.39	1.26E-07	1.03E-07	2.29E-07	9.80E-08	8.26E-08	1.81E-07
949 ALL	578394.04	4137320.01	1.34E-07	1.10E-07	2.44E-07	1.05E-07	8.82E-08	1.93E-07
950 ALL	578392.34	4137329.1	1.35E-07	1.10E-07	2.45E-07	1.05E-07	8.85E-08	1.93E-07
951 ALL	578390.64	4137338.19	1.35E-07	1.10E-07	2.45E-07	1.05E-07	8.86E-08	1.94E-07
952 ALL	578388.94	4137347.28	1.35E-07	1.10E-07	2.45E-07	1.05E-07	8.85E-08	1.94E-07
953 ALL	578387.24	4137356.36	1.35E-07	1.10E-07	2.44E-07	1.05E-07	8.82E-08	1.93E-07
954 ALL	578385.54	4137365.45	1.34E-07	1.09E-07	2.43E-07	1.04E-07	8.77E-08	1.92E-07
955 ALL	578383.83	4137374.54	1.33E-07	1.08E-07	2.41E-07	1.03E-07	8.70E-08	1.90E-07
956 ALL	578382.13	4137383.63	1.31E-07	1.07E-07	2.38E-07	1.02E-07	8.61E-08	1.88E-07
957 ALL	578365.12	4137474.51	1.01E-07	8.27E-08	1.84E-07	7.89E-08	6.65E-08	1.45E-07
958 ALL	578363.42	4137483.6	9.74E-08	7.94E-08	1.77E-07	7.58E-08	6.39E-08	1.40E-07
959 ALL	578361.72	4137492.69	9.34E-08	7.61E-08	1.69E-07	7.26E-08	6.12E-08	1.34E-07
960 ALL	578360.01	4137501.77	8.93E-08	7.27E-08	1.62E-07	6.94E-08	5.85E-08	1.28E-07
961 ALL	578256	4137026.17	2.01E-07	1.64E-07	3.65E-07	1.57E-07	1.32E-07	2.89E-07
962 ALL	578248.23	4137021.12	2.04E-07	1.66E-07	3.70E-07	1.59E-07	1.34E-07	2.92E-07
963 ALL	578240.46	4137016.06	2.06E-07	1.68E-07	3.74E-07	1.60E-07	1.35E-07	2.96E-07
964 ALL	578232.69	4137011.01	2.08E-07	1.70E-07	3.78E-07	1.62E-07	1.37E-07	2.98E-07
965 ALL	578224.92	4137005.96	2.10E-07	1.71E-07	3.81E-07	1.63E-07	1.38E-07	3.01E-07
966 ALL	578217.14	4137000.9	2.11E-07	1.72E-07	3.83E-07	1.64E-07	1.38E-07	3.02E-07
967 ALL	578015.92	4137279.05	3.01E-06	2.45E-06	5.46E-06	2.34E-06	1.97E-06	4.31E-06
968 ALL	578004.43	4137291.25	2.99E-06	2.44E-06	5.43E-06	2.33E-06	1.96E-06	4.29E-06
969 ALL	577999.25	4137299.15	2.97E-06	2.42E-06	5.39E-06	2.31E-06	1.95E-06	4.26E-06
970 ALL	577994.07	4137307.05	2.91E-06	2.37E-06	5.28E-06	2.26E-06	1.91E-06	4.17E-06
971 ALL	577988.89	4137314.95	2.83E-06	2.31E-06	5.14E-06	2.20E-06	1.86E-06	4.06E-06
972 ALL	577983.71	4137322.86	2.75E-06	2.24E-06	4.99E-06	2.14E-06	1.80E-06	3.94E-06
973 ALL	577978.53	4137330.76	2.65E-06	2.16E-06	4.80E-06	2.06E-06	1.74E-06	3.79E-06
974 ALL	577973.35	4137338.66	2.52E-06	2.05E-06	4.58E-06	1.96E-06	1.65E-06	3.61E-06
975 ALL	577968.16	4137346.56	2.36E-06	1.93E-06	4.29E-06	1.84E-06	1.55E-06	3.39E-06
976 ALL	577962.98	4137354.46	2.18E-06	1.78E-06	3.95E-06	1.69E-06	1.43E-06	3.12E-06
977 ALL	577957.8	4137362.36	1.95E-06	1.59E-06	3.55E-06	1.52E-06	1.28E-06	2.80E-06
978 ALL	577952.62	4137370.26	1.70E-06	1.39E-06	3.09E-06	1.33E-06	1.12E-06	2.44E-06
979 ALL	577947.44	4137378.16	1.45E-06	1.18E-06	2.63E-06	1.13E-06	9.51E-07	2.08E-06
980 ALL	577942.26	4137386.06	1.23E-06	1.00E-06	2.23E-06	9.57E-07	8.08E-07	1.76E-06
981 ALL	577937.08	4137393.96	1.09E-06	8.90E-07	1.98E-06	8.49E-07	7.16E-07	1.57E-06
982 ALL	577931.9	4137401.86	1.03E-06	8.41E-07	1.87E-06	8.02E-07	6.77E-07	1.48E-06
983 ALL	578007.56	4137273.57	2.38E-06	1.94E-06	4.32E-06	1.85E-06	1.56E-06	3.42E-06
984 ALL	578027.68	4137266.36	2.62E-06	2.14E-06	4.76E-06	2.04E-06	1.72E-06	3.76E-06
985 ALL	577996.07	4137285.77	2.28E-06	1.86E-06	4.15E-06	1.78E-06	1.50E-06	3.27E-06
986 ALL	577990.89	4137293.67	2.24E-06	1.83E-06	4.07E-06	1.74E-06	1.47E-06	3.22E-06

987 ALL	577985.71	4137301.57	2.17E-06	1.77E-06	3.94E-06	1.69E-06	1.42E-06	3.11E-06
988 ALL	577980.53	4137309.47	2.08E-06	1.70E-06	3.78E-06	1.62E-06	1.37E-06	2.99E-06
989 ALL	577975.35	4137317.37	1.99E-06	1.62E-06	3.61E-06	1.55E-06	1.30E-06	2.85E-06
990 ALL	577970.17	4137325.27	1.87E-06	1.53E-06	3.40E-06	1.46E-06	1.23E-06	2.69E-06
991 ALL	577964.98	4137333.17	1.75E-06	1.42E-06	3.17E-06	1.36E-06	1.14E-06	2.50E-06
992 ALL	577959.8	4137341.07	1.60E-06	1.31E-06	2.91E-06	1.25E-06	1.05E-06	2.30E-06
993 ALL	577954.62	4137348.97	1.45E-06	1.18E-06	2.63E-06	1.13E-06	9.51E-07	2.08E-06
994 ALL	577949.44	4137356.87	1.28E-06	1.05E-06	2.33E-06	9.98E-07	8.42E-07	1.84E-06
995 ALL	577944.26	4137364.78	1.11E-06	9.09E-07	2.02E-06	8.67E-07	7.31E-07	1.60E-06
996 ALL	577939.08	4137372.68	9.62E-07	7.85E-07	1.75E-06	7.49E-07	6.32E-07	1.38E-06
997 ALL	577933.9	4137380.58	8.47E-07	6.91E-07	1.54E-06	6.59E-07	5.56E-07	1.22E-06
998 ALL	577928.71	4137388.48	7.79E-07	6.35E-07	1.41E-06	6.06E-07	5.11E-07	1.12E-06
999 ALL	577923.53	4137396.38	7.49E-07	6.11E-07	1.36E-06	5.83E-07	4.92E-07	1.07E-06
1000 ALL	577999.2	4137268.08	1.90E-06	1.55E-06	3.45E-06	1.48E-06	1.25E-06	2.73E-06
1001 ALL	578011.82	4137259.48	2.01E-06	1.64E-06	3.65E-06	1.56E-06	1.32E-06	2.88E-06
1002 ALL	578025.63	4137256.58	2.17E-06	1.77E-06	3.93E-06	1.69E-06	1.42E-06	3.11E-06
1003 ALL	577987.71	4137280.28	1.78E-06	1.45E-06	3.23E-06	1.38E-06	1.17E-06	2.55E-06
1004 ALL	577982.53	4137288.19	1.73E-06	1.41E-06	3.14E-06	1.35E-06	1.14E-06	2.48E-06
1005 ALL	577977.35	4137296.09	1.66E-06	1.35E-06	3.01E-06	1.29E-06	1.09E-06	2.38E-06
1006 ALL	577972.17	4137303.99	1.58E-06	1.28E-06	2.86E-06	1.23E-06	1.03E-06	2.26E-06
1007 ALL	577966.98	4137311.89	1.48E-06	1.21E-06	2.69E-06	1.15E-06	9.71E-07	2.12E-06
1008 ALL	577961.8	4137319.79	1.37E-06	1.12E-06	2.49E-06	1.07E-06	9.01E-07	1.97E-06
1009 ALL	577956.62	4137327.69	1.26E-06	1.02E-06	2.28E-06	9.78E-07	8.25E-07	1.80E-06
1010 ALL	577951.44	4137335.59	1.14E-06	9.26E-07	2.06E-06	8.83E-07	7.45E-07	1.63E-06
1011 ALL	577946.26	4137343.49	1.01E-06	8.25E-07	1.84E-06	7.87E-07	6.64E-07	1.45E-06
1012 ALL	577941.08	4137351.39	8.88E-07	7.24E-07	1.61E-06	6.91E-07	5.83E-07	1.27E-06
1013 ALL	577935.9	4137359.29	7.73E-07	6.31E-07	1.40E-06	6.02E-07	5.08E-07	1.11E-06
1014 ALL	577930.72	4137367.19	6.79E-07	5.54E-07	1.23E-06	5.28E-07	4.46E-07	9.75E-07
1015 ALL	577925.53	4137375.09	6.12E-07	5.00E-07	1.11E-06	4.76E-07	4.02E-07	8.78E-07
1016 ALL	577920.35	4137382.99	5.74E-07	4.68E-07	1.04E-06	4.46E-07	3.77E-07	8.23E-07
1017 ALL	577915.17	4137390.89	5.58E-07	4.55E-07	1.01E-06	4.34E-07	3.67E-07	8.01E-07
1018 ALL	577990.84	4137262.6	1.54E-06	1.25E-06	2.79E-06	1.20E-06	1.01E-06	2.20E-06
1019 ALL	578003.45	4137253.99	1.66E-06	1.36E-06	3.02E-06	1.29E-06	1.09E-06	2.39E-06
1020 ALL	578023.57	4137246.79	1.82E-06	1.48E-06	3.31E-06	1.42E-06	1.19E-06	2.61E-06
1021 ALL	578038.59	4137249.6	2.00E-06	1.63E-06	3.64E-06	1.56E-06	1.31E-06	2.87E-06
1022 ALL	577998.88	4137245.93	1.41E-06	1.15E-06	2.56E-06	1.10E-06	9.27E-07	2.03E-06
1023 ALL	578006.45	4137240.76	1.44E-06	1.18E-06	2.62E-06	1.12E-06	9.47E-07	2.07E-06
1024 ALL	578023.02	4137237.28	1.57E-06	1.28E-06	2.85E-06	1.22E-06	1.03E-06	2.25E-06
1025 ALL	578035.64	4137220.84	1.32E-06	1.07E-06	2.39E-06	1.02E-06	8.63E-07	1.89E-06
1026 ALL	578052.8	4137224.05	1.38E-06	1.12E-06	2.50E-06	1.07E-06	9.03E-07	1.97E-06
1027 ALL	578050.07	4137214.13	1.22E-06	9.98E-07	2.22E-06	9.52E-07	8.03E-07	1.76E-06
1028 ALL	578047.5	4137204.25	1.09E-06	8.90E-07	1.98E-06	8.50E-07	7.17E-07	1.57E-06
1029 ALL	578064.18	4137207.37	1.11E-06	9.03E-07	2.01E-06	8.62E-07	7.27E-07	1.59E-06
1030 ALL	577934.16	4137223.8	4.73E-07	3.85E-07	8.58E-07	3.68E-07	3.10E-07	6.78E-07
1031 ALL	578055.54	4137187.67	9.15E-07	7.46E-07	1.66E-06	7.12E-07	6.00E-07	1.31E-06
1032 ALL	578064.49	4137189.34	9.22E-07	7.51E-07	1.67E-06	7.17E-07	6.04E-07	1.32E-06
1033 ALL	578073.44	4137191.02	9.18E-07	7.48E-07	1.67E-06	7.14E-07	6.02E-07	1.32E-06
1034 ALL	578082.39	4137192.69	9.04E-07	7.37E-07	1.64E-06	7.03E-07	5.93E-07	1.30E-06
1035 ALL	577926.64	4137228.93	4.31E-07	3.52E-07	7.83E-07	3.36E-07	2.83E-07	6.19E-07
1036 ALL	577921.46	4137236.83	4.07E-07	3.31E-07	7.38E-07	3.16E-07	2.67E-07	5.83E-07
1037 ALL	577916.27	4137244.74	3.79E-07	3.09E-07	6.88E-07	2.95E-07	2.49E-07	5.44E-07
1038 ALL	577911.09	4137252.64	3.50E-07	2.85E-07	6.36E-07	2.72E-07	2.30E-07	5.02E-07
1039 ALL	577905.91	4137260.54	3.21E-07	2.62E-07	5.83E-07	2.50E-07	2.11E-07	4.61E-07
1040 ALL	577900.73	4137268.44	2.92E-07	2.38E-07	5.31E-07	2.27E-07	1.92E-07	4.19E-07
1041 ALL	577895.55	4137276.34	2.64E-07	2.15E-07	4.79E-07	2.05E-07	1.73E-07	3.78E-07
1042 ALL	577890.37	4137284.24	2.36E-07	1.93E-07	4.29E-07	1.84E-07	1.55E-07	3.39E-07
1043 ALL	577885.19	4137292.14	2.11E-07	1.72E-07	3.84E-07	1.64E-07	1.39E-07	3.03E-07
1044 ALL	577880.01	4137300.04	1.89E-07	1.54E-07	3.43E-07	1.47E-07	1.24E-07	2.71E-07

1045 ALL	577874.82	4137307.94	1.69E-07	1.38E-07	3.08E-07	1.32E-07	1.11E-07	2.43E-07
1046 ALL	577869.64	4137315.84	1.53E-07	1.25E-07	2.78E-07	1.19E-07	1.00E-07	2.19E-07
1047 ALL	577864.46	4137323.74	1.39E-07	1.14E-07	2.53E-07	1.09E-07	9.17E-08	2.00E-07
1048 ALL	577859.28	4137331.64	1.29E-07	1.05E-07	2.35E-07	1.00E-07	8.49E-08	1.85E-07
1049 ALL	577854.1	4137339.54	1.22E-07	9.93E-08	2.21E-07	9.46E-08	7.99E-08	1.74E-07
1050 ALL	577848.92	4137347.44	1.17E-07	9.53E-08	2.12E-07	9.07E-08	7.67E-08	1.67E-07
1051 ALL	577917.83	4137213.42	3.66E-07	2.98E-07	6.64E-07	2.85E-07	2.40E-07	5.24E-07
1052 ALL	577932.39	4137203.49	4.27E-07	3.48E-07	7.76E-07	3.33E-07	2.80E-07	6.13E-07
1053 ALL	577946.95	4137193.56	4.84E-07	3.95E-07	8.79E-07	3.77E-07	3.18E-07	6.95E-07
1054 ALL	578058.52	4137170.15	7.73E-07	6.30E-07	1.40E-06	6.02E-07	5.07E-07	1.11E-06
1055 ALL	578075.84	4137173.38	7.79E-07	6.35E-07	1.41E-06	6.06E-07	5.11E-07	1.12E-06
1056 ALL	577905.37	4137226.29	3.16E-07	2.57E-07	5.73E-07	2.45E-07	2.07E-07	4.53E-07
1057 ALL	577900.19	4137234.19	2.94E-07	2.40E-07	5.35E-07	2.29E-07	1.93E-07	4.22E-07
1058 ALL	577895.01	4137242.09	2.72E-07	2.22E-07	4.94E-07	2.12E-07	1.79E-07	3.90E-07
1059 ALL	577889.83	4137249.99	2.49E-07	2.03E-07	4.53E-07	1.94E-07	1.64E-07	3.58E-07
1060 ALL	577884.65	4137257.89	2.27E-07	1.85E-07	4.12E-07	1.76E-07	1.49E-07	3.25E-07
1061 ALL	577879.47	4137265.79	2.05E-07	1.68E-07	3.73E-07	1.60E-07	1.35E-07	2.95E-07
1062 ALL	577874.29	4137273.69	1.85E-07	1.51E-07	3.36E-07	1.44E-07	1.22E-07	2.66E-07
1063 ALL	577869.11	4137281.59	1.66E-07	1.36E-07	3.02E-07	1.29E-07	1.09E-07	2.39E-07
1064 ALL	577863.92	4137289.49	1.50E-07	1.22E-07	2.72E-07	1.16E-07	9.83E-08	2.15E-07
1065 ALL	577858.74	4137297.39	1.35E-07	1.10E-07	2.46E-07	1.05E-07	8.88E-08	1.94E-07
1066 ALL	577853.56	4137305.3	1.23E-07	1.00E-07	2.23E-07	9.55E-08	8.06E-08	1.76E-07
1067 ALL	577848.38	4137313.2	1.12E-07	9.18E-08	2.04E-07	8.74E-08	7.39E-08	1.61E-07
1068 ALL	577843.2	4137321.1	1.04E-07	8.50E-08	1.89E-07	8.10E-08	6.84E-08	1.49E-07
1069 ALL	577838.02	4137329	9.79E-08	8.00E-08	1.78E-07	7.61E-08	6.43E-08	1.40E-07
1070 ALL	577832.84	4137336.9	9.34E-08	7.63E-08	1.70E-07	7.27E-08	6.14E-08	1.34E-07
1071 ALL	577902.13	4137202.62	2.92E-07	2.38E-07	5.30E-07	2.27E-07	1.91E-07	4.18E-07
1072 ALL	577909.78	4137197.4	3.17E-07	2.59E-07	5.76E-07	2.47E-07	2.08E-07	4.55E-07
1073 ALL	577917.43	4137192.18	3.43E-07	2.80E-07	6.23E-07	2.67E-07	2.25E-07	4.92E-07
1074 ALL	577925.08	4137186.96	3.69E-07	3.01E-07	6.69E-07	2.87E-07	2.42E-07	5.29E-07
1075 ALL	577932.73	4137181.75	3.93E-07	3.20E-07	7.13E-07	3.06E-07	2.58E-07	5.63E-07
1076 ALL	577940.39	4137176.53	4.15E-07	3.38E-07	7.54E-07	3.23E-07	2.72E-07	5.95E-07
1077 ALL	577948.04	4137171.31	4.36E-07	3.55E-07	7.91E-07	3.39E-07	2.86E-07	6.25E-07
1078 ALL	577955.69	4137166.09	4.54E-07	3.70E-07	8.24E-07	3.53E-07	2.98E-07	6.51E-07
1079 ALL	577963.34	4137160.87	4.69E-07	3.83E-07	8.52E-07	3.65E-07	3.08E-07	6.73E-07
1080 ALL	577970.99	4137155.65	4.81E-07	3.92E-07	8.73E-07	3.74E-07	3.16E-07	6.90E-07
1081 ALL	577978.64	4137150.43	4.90E-07	3.99E-07	8.89E-07	3.81E-07	3.21E-07	7.03E-07
1082 ALL	578066.78	4137153.61	6.66E-07	5.43E-07	1.21E-06	5.18E-07	4.37E-07	9.56E-07
1083 ALL	578075.89	4137155.31	6.70E-07	5.46E-07	1.22E-06	5.21E-07	4.39E-07	9.60E-07
1084 ALL	578084.99	4137157.01	6.67E-07	5.44E-07	1.21E-06	5.19E-07	4.38E-07	9.57E-07
1085 ALL	578094.1	4137158.72	6.60E-07	5.38E-07	1.20E-06	5.13E-07	4.33E-07	9.46E-07
1086 ALL	577894.48	4137207.84	2.66E-07	2.16E-07	4.82E-07	2.07E-07	1.74E-07	3.81E-07
1087 ALL	577889.29	4137215.74	2.48E-07	2.02E-07	4.51E-07	1.93E-07	1.63E-07	3.56E-07
1088 ALL	577884.11	4137223.64	2.30E-07	1.87E-07	4.17E-07	1.79E-07	1.51E-07	3.30E-07
1089 ALL	577878.93	4137231.54	2.13E-07	1.74E-07	3.86E-07	1.66E-07	1.40E-07	3.05E-07
1090 ALL	577873.75	4137239.44	1.96E-07	1.60E-07	3.56E-07	1.53E-07	1.29E-07	2.82E-07
1091 ALL	577868.57	4137247.35	1.80E-07	1.47E-07	3.26E-07	1.40E-07	1.18E-07	2.58E-07
1092 ALL	577863.39	4137255.25	1.64E-07	1.34E-07	2.97E-07	1.27E-07	1.07E-07	2.35E-07
1093 ALL	577858.21	4137263.15	1.49E-07	1.21E-07	2.70E-07	1.16E-07	9.76E-08	2.13E-07
1094 ALL	577853.02	4137271.05	1.35E-07	1.10E-07	2.45E-07	1.05E-07	8.85E-08	1.93E-07
1095 ALL	577847.84	4137278.95	1.22E-07	9.97E-08	2.22E-07	9.50E-08	8.03E-08	1.75E-07
1096 ALL	577842.66	4137286.85	1.11E-07	9.07E-08	2.02E-07	8.64E-08	7.30E-08	1.59E-07
1097 ALL	577837.48	4137294.75	1.02E-07	8.29E-08	1.84E-07	7.90E-08	6.67E-08	1.46E-07
1098 ALL	577832.3	4137302.65	9.35E-08	7.63E-08	1.70E-07	7.27E-08	6.14E-08	1.34E-07
1099 ALL	577827.12	4137310.55	8.67E-08	7.08E-08	1.58E-07	6.75E-08	5.70E-08	1.24E-07
1100 ALL	577821.94	4137318.45	8.13E-08	6.64E-08	1.48E-07	6.33E-08	5.35E-08	1.17E-07
1101 ALL	577816.76	4137326.35	7.74E-08	6.33E-08	1.41E-07	6.02E-08	5.09E-08	1.11E-07
1102 ALL	577885.83	4137192.22	2.32E-07	1.89E-07	4.21E-07	1.80E-07	1.52E-07	3.32E-07

1103 ALL	577900.71	4137182.07	2.74E-07	2.24E-07	4.98E-07	2.13E-07	1.80E-07	3.93E-07
1104 ALL	577915.6	4137171.92	3.16E-07	2.58E-07	5.74E-07	2.46E-07	2.07E-07	4.53E-07
1105 ALL	577923.04	4137166.85	3.35E-07	2.73E-07	6.09E-07	2.61E-07	2.20E-07	4.81E-07
1106 ALL	577937.92	4137156.7	3.69E-07	3.01E-07	6.70E-07	2.87E-07	2.42E-07	5.29E-07
1107 ALL	577945.36	4137151.62	3.84E-07	3.13E-07	6.98E-07	2.99E-07	2.52E-07	5.51E-07
1108 ALL	577960.24	4137141.47	4.08E-07	3.33E-07	7.41E-07	3.18E-07	2.68E-07	5.86E-07
1109 ALL	577975.12	4137131.32	4.23E-07	3.45E-07	7.68E-07	3.29E-07	2.78E-07	6.07E-07
1110 ALL	577873.21	4137205.2	1.98E-07	1.62E-07	3.60E-07	1.54E-07	1.30E-07	2.84E-07
1111 ALL	577868.03	4137213.1	1.85E-07	1.51E-07	3.35E-07	1.44E-07	1.21E-07	2.65E-07
1112 ALL	577862.85	4137221	1.71E-07	1.39E-07	3.10E-07	1.33E-07	1.12E-07	2.45E-07
1113 ALL	577857.67	4137228.9	1.57E-07	1.28E-07	2.85E-07	1.22E-07	1.03E-07	2.25E-07
1114 ALL	577852.49	4137236.8	1.44E-07	1.18E-07	2.62E-07	1.12E-07	9.46E-08	2.07E-07
1115 ALL	577847.31	4137244.7	1.32E-07	1.08E-07	2.40E-07	1.03E-07	8.67E-08	1.89E-07
1116 ALL	577842.12	4137252.6	1.20E-07	9.82E-08	2.19E-07	9.36E-08	7.91E-08	1.73E-07
1117 ALL	577836.94	4137260.5	1.10E-07	8.95E-08	1.99E-07	8.53E-08	7.21E-08	1.57E-07
1118 ALL	577831.76	4137268.4	1.00E-07	8.18E-08	1.82E-07	7.79E-08	6.58E-08	1.44E-07
1119 ALL	577826.58	4137276.3	9.16E-08	7.48E-08	1.66E-07	7.13E-08	6.02E-08	1.31E-07
1120 ALL	577821.4	4137284.2	8.41E-08	6.87E-08	1.53E-07	6.54E-08	5.53E-08	1.21E-07
1121 ALL	577816.22	4137292.1	7.80E-08	6.37E-08	1.42E-07	6.07E-08	5.13E-08	1.12E-07
1122 ALL	577811.04	4137300	7.30E-08	5.97E-08	1.33E-07	5.68E-08	4.80E-08	1.05E-07
1123 ALL	577805.86	4137307.9	6.89E-08	5.63E-08	1.25E-07	5.36E-08	4.53E-08	9.89E-08
1124 ALL	577800.67	4137315.81	6.56E-08	5.36E-08	1.19E-07	5.10E-08	4.31E-08	9.42E-08
1125 ALL	577870.05	4137181.47	1.90E-07	1.55E-07	3.45E-07	1.48E-07	1.25E-07	2.72E-07
1126 ALL	577877.78	4137176.2	2.07E-07	1.69E-07	3.76E-07	1.61E-07	1.36E-07	2.97E-07
1127 ALL	577885.51	4137170.92	2.25E-07	1.83E-07	4.08E-07	1.75E-07	1.47E-07	3.22E-07
1128 ALL	577893.25	4137165.65	2.42E-07	1.98E-07	4.40E-07	1.88E-07	1.59E-07	3.47E-07
1129 ALL	577900.98	4137160.37	2.60E-07	2.12E-07	4.72E-07	2.02E-07	1.71E-07	3.73E-07
1130 ALL	577908.71	4137155.1	2.78E-07	2.26E-07	5.04E-07	2.16E-07	1.82E-07	3.98E-07
1131 ALL	577916.45	4137149.82	2.94E-07	2.40E-07	5.34E-07	2.29E-07	1.93E-07	4.22E-07
1132 ALL	577924.18	4137144.55	3.09E-07	2.52E-07	5.61E-07	2.41E-07	2.03E-07	4.43E-07
1133 ALL	577931.91	4137139.27	3.23E-07	2.64E-07	5.87E-07	2.52E-07	2.12E-07	4.64E-07
1134 ALL	577939.65	4137134	3.36E-07	2.74E-07	6.10E-07	2.62E-07	2.21E-07	4.82E-07
1135 ALL	577947.38	4137128.72	3.48E-07	2.83E-07	6.31E-07	2.70E-07	2.28E-07	4.98E-07
1136 ALL	577955.11	4137123.45	3.57E-07	2.91E-07	6.48E-07	2.78E-07	2.34E-07	5.12E-07
1137 ALL	577962.85	4137118.17	3.64E-07	2.97E-07	6.61E-07	2.83E-07	2.39E-07	5.22E-07
1138 ALL	577970.58	4137112.9	3.69E-07	3.01E-07	6.71E-07	2.87E-07	2.42E-07	5.30E-07
1139 ALL	577978.31	4137107.62	3.73E-07	3.04E-07	6.77E-07	2.90E-07	2.45E-07	5.35E-07
1140 ALL	577995.25	4137104.07	3.93E-07	3.20E-07	7.13E-07	3.05E-07	2.58E-07	5.63E-07
1141 ALL	577862.31	4137186.75	1.74E-07	1.42E-07	3.15E-07	1.35E-07	1.14E-07	2.49E-07
1142 ALL	577857.13	4137194.65	1.63E-07	1.33E-07	2.96E-07	1.27E-07	1.07E-07	2.34E-07
1143 ALL	577851.95	4137202.55	1.52E-07	1.24E-07	2.76E-07	1.18E-07	9.98E-08	2.18E-07
1144 ALL	577846.77	4137210.45	1.41E-07	1.15E-07	2.56E-07	1.10E-07	9.25E-08	2.02E-07
1145 ALL	577841.59	4137218.35	1.30E-07	1.06E-07	2.36E-07	1.01E-07	8.55E-08	1.87E-07
1146 ALL	577836.41	4137226.25	1.20E-07	9.77E-08	2.17E-07	9.32E-08	7.86E-08	1.72E-07
1147 ALL	577831.22	4137234.15	1.10E-07	8.98E-08	2.00E-07	8.56E-08	7.22E-08	1.58E-07
1148 ALL	577826.04	4137242.05	1.01E-07	8.22E-08	1.83E-07	7.83E-08	6.61E-08	1.44E-07
1149 ALL	577820.86	4137249.95	9.21E-08	7.51E-08	1.67E-07	7.16E-08	6.05E-08	1.32E-07
1150 ALL	577815.68	4137257.86	8.42E-08	6.88E-08	1.53E-07	6.55E-08	5.53E-08	1.21E-07
1151 ALL	577810.5	4137265.76	7.76E-08	6.34E-08	1.41E-07	6.04E-08	5.10E-08	1.11E-07
1152 ALL	577805.32	4137273.66	7.16E-08	5.85E-08	1.30E-07	5.57E-08	4.71E-08	1.03E-07
1153 ALL	577800.14	4137281.56	6.64E-08	5.43E-08	1.21E-07	5.17E-08	4.37E-08	9.53E-08
1154 ALL	577794.96	4137289.46	6.20E-08	5.07E-08	1.13E-07	4.83E-08	4.08E-08	8.91E-08
1155 ALL	577789.77	4137297.36	5.87E-08	4.80E-08	1.07E-07	4.57E-08	3.86E-08	8.43E-08
1156 ALL	577784.59	4137305.26	5.59E-08	4.57E-08	1.02E-07	4.35E-08	3.68E-08	8.03E-08
1157 ALL	577853.78	4137171.05	1.57E-07	1.28E-07	2.84E-07	1.22E-07	1.03E-07	2.25E-07
1158 ALL	577861.33	4137165.91	1.70E-07	1.39E-07	3.09E-07	1.32E-07	1.12E-07	2.44E-07
1159 ALL	577868.88	4137160.76	1.84E-07	1.50E-07	3.34E-07	1.43E-07	1.21E-07	2.64E-07
1160 ALL	577876.42	4137155.61	1.98E-07	1.61E-07	3.60E-07	1.54E-07	1.30E-07	2.84E-07

1161 ALL	577883.97	4137150.46	2.12E-07	1.73E-07	3.86E-07	1.65E-07	1.39E-07	3.05E-07
1162 ALL	577891.52	4137145.31	2.27E-07	1.85E-07	4.11E-07	1.76E-07	1.49E-07	3.25E-07
1163 ALL	577899.07	4137140.16	2.41E-07	1.96E-07	4.37E-07	1.87E-07	1.58E-07	3.45E-07
1164 ALL	577906.62	4137135.01	2.54E-07	2.07E-07	4.61E-07	1.98E-07	1.67E-07	3.64E-07
1165 ALL	577914.16	4137129.87	2.67E-07	2.18E-07	4.85E-07	2.08E-07	1.75E-07	3.83E-07
1166 ALL	577921.71	4137124.72	2.79E-07	2.27E-07	5.07E-07	2.17E-07	1.83E-07	4.00E-07
1167 ALL	577929.26	4137119.57	2.90E-07	2.37E-07	5.27E-07	2.26E-07	1.90E-07	4.16E-07
1168 ALL	577936.81	4137114.42	3.00E-07	2.45E-07	5.45E-07	2.34E-07	1.97E-07	4.31E-07
1169 ALL	577944.36	4137109.27	3.09E-07	2.52E-07	5.61E-07	2.41E-07	2.03E-07	4.43E-07
1170 ALL	577951.9	4137104.12	3.16E-07	2.58E-07	5.74E-07	2.46E-07	2.07E-07	4.53E-07
1171 ALL	577959.45	4137098.97	3.22E-07	2.62E-07	5.84E-07	2.50E-07	2.11E-07	4.61E-07
1172 ALL	577967	4137093.83	3.26E-07	2.66E-07	5.92E-07	2.54E-07	2.14E-07	4.67E-07
1173 ALL	577974.55	4137088.68	3.29E-07	2.68E-07	5.97E-07	2.56E-07	2.16E-07	4.71E-07
1174 ALL	577846.23	4137176.2	1.44E-07	1.17E-07	2.61E-07	1.12E-07	9.43E-08	2.06E-07
1175 ALL	577841.05	4137184.1	1.35E-07	1.10E-07	2.45E-07	1.05E-07	8.86E-08	1.94E-07
1176 ALL	577835.87	4137192	1.26E-07	1.03E-07	2.29E-07	9.83E-08	8.29E-08	1.81E-07
1177 ALL	577830.69	4137199.91	1.18E-07	9.60E-08	2.14E-07	9.16E-08	7.73E-08	1.69E-07
1178 ALL	577825.51	4137207.81	1.09E-07	8.92E-08	1.98E-07	8.50E-08	7.18E-08	1.57E-07
1179 ALL	577820.33	4137215.71	1.01E-07	8.25E-08	1.84E-07	7.87E-08	6.64E-08	1.45E-07
1180 ALL	577815.14	4137223.61	9.34E-08	7.62E-08	1.70E-07	7.26E-08	6.13E-08	1.34E-07
1181 ALL	577809.96	4137231.51	8.61E-08	7.03E-08	1.56E-07	6.70E-08	5.66E-08	1.24E-07
1182 ALL	577804.78	4137239.41	7.93E-08	6.47E-08	1.44E-07	6.17E-08	5.21E-08	1.14E-07
1183 ALL	577799.6	4137247.31	7.30E-08	5.96E-08	1.33E-07	5.68E-08	4.79E-08	1.05E-07
1184 ALL	577794.42	4137255.21	6.72E-08	5.49E-08	1.22E-07	5.23E-08	4.42E-08	9.65E-08
1185 ALL	577789.24	4137263.11	6.22E-08	5.08E-08	1.13E-07	4.84E-08	4.09E-08	8.93E-08
1186 ALL	577784.06	4137271.01	5.79E-08	4.73E-08	1.05E-07	4.51E-08	3.81E-08	8.31E-08
1187 ALL	577778.87	4137278.91	5.42E-08	4.43E-08	9.85E-08	4.22E-08	3.56E-08	7.78E-08
1188 ALL	577773.69	4137286.81	5.11E-08	4.17E-08	9.28E-08	3.97E-08	3.36E-08	7.33E-08
1189 ALL	577768.51	4137294.71	4.86E-08	3.97E-08	8.83E-08	3.78E-08	3.20E-08	6.98E-08
1190 ALL	577837.94	4137160.34	1.31E-07	1.07E-07	2.38E-07	1.02E-07	8.61E-08	1.88E-07
1191 ALL	577845.73	4137155.03	1.42E-07	1.16E-07	2.59E-07	1.11E-07	9.34E-08	2.04E-07
1192 ALL	577853.52	4137149.72	1.54E-07	1.26E-07	2.80E-07	1.20E-07	1.01E-07	2.21E-07
1193 ALL	577861.31	4137144.4	1.66E-07	1.35E-07	3.02E-07	1.29E-07	1.09E-07	2.38E-07
1194 ALL	577869.1	4137139.09	1.78E-07	1.46E-07	3.24E-07	1.39E-07	1.17E-07	2.56E-07
1195 ALL	577876.89	4137133.78	1.91E-07	1.56E-07	3.47E-07	1.49E-07	1.25E-07	2.74E-07
1196 ALL	577884.68	4137128.47	2.03E-07	1.66E-07	3.69E-07	1.58E-07	1.33E-07	2.91E-07
1197 ALL	577892.46	4137123.15	2.15E-07	1.75E-07	3.90E-07	1.67E-07	1.41E-07	3.08E-07
1198 ALL	577900.25	4137117.84	2.27E-07	1.85E-07	4.12E-07	1.76E-07	1.49E-07	3.25E-07
1199 ALL	577908.04	4137112.53	2.38E-07	1.94E-07	4.32E-07	1.85E-07	1.56E-07	3.41E-07
1200 ALL	577915.83	4137107.21	2.49E-07	2.03E-07	4.51E-07	1.93E-07	1.63E-07	3.56E-07
1201 ALL	577923.62	4137101.9	2.58E-07	2.10E-07	4.69E-07	2.01E-07	1.69E-07	3.70E-07
1202 ALL	577931.41	4137096.59	2.67E-07	2.18E-07	4.84E-07	2.08E-07	1.75E-07	3.83E-07
1203 ALL	577939.2	4137091.27	2.75E-07	2.24E-07	4.98E-07	2.14E-07	1.80E-07	3.94E-07
1204 ALL	577946.99	4137085.96	2.81E-07	2.29E-07	5.10E-07	2.19E-07	1.84E-07	4.03E-07
1205 ALL	577954.78	4137080.65	2.86E-07	2.33E-07	5.19E-07	2.22E-07	1.87E-07	4.10E-07
1206 ALL	577996.68	4137068.17	3.19E-07	2.60E-07	5.79E-07	2.48E-07	2.09E-07	4.57E-07
1207 ALL	578005.95	4137069.91	3.31E-07	2.70E-07	6.01E-07	2.57E-07	2.17E-07	4.75E-07
1208 ALL	578015.22	4137071.64	3.43E-07	2.79E-07	6.22E-07	2.66E-07	2.25E-07	4.91E-07
1209 ALL	578024.49	4137073.37	3.53E-07	2.88E-07	6.41E-07	2.75E-07	2.32E-07	5.07E-07
1210 ALL	577830.15	4137165.66	1.20E-07	9.83E-08	2.19E-07	9.37E-08	7.91E-08	1.73E-07
1211 ALL	577824.97	4137173.56	1.13E-07	9.25E-08	2.06E-07	8.82E-08	7.44E-08	1.63E-07
1212 ALL	577819.79	4137181.46	1.06E-07	8.66E-08	1.93E-07	8.26E-08	6.97E-08	1.52E-07
1213 ALL	577814.61	4137189.36	9.92E-08	8.09E-08	1.80E-07	7.71E-08	6.51E-08	1.42E-07
1214 ALL	577809.43	4137197.26	9.23E-08	7.53E-08	1.68E-07	7.18E-08	6.06E-08	1.32E-07
1215 ALL	577804.24	4137205.16	8.58E-08	7.00E-08	1.56E-07	6.67E-08	5.63E-08	1.23E-07
1216 ALL	577799.06	4137213.06	7.96E-08	6.49E-08	1.45E-07	6.19E-08	5.23E-08	1.14E-07
1217 ALL	577793.88	4137220.96	7.38E-08	6.02E-08	1.34E-07	5.74E-08	4.85E-08	1.06E-07
1218 ALL	577788.7	4137228.86	6.86E-08	5.60E-08	1.25E-07	5.33E-08	4.51E-08	9.84E-08



1219 ALL	577783.52	4137236.76	6.37E-08	5.20E-08	1.16E-07	4.96E-08	4.19E-08	9.14E-08
1220 ALL	577778.34	4137244.66	5.90E-08	4.82E-08	1.07E-07	4.59E-08	3.88E-08	8.47E-08
1221 ALL	577773.16	4137252.56	5.48E-08	4.47E-08	9.95E-08	4.26E-08	3.60E-08	7.86E-08
1222 ALL	577767.97	4137260.47	5.11E-08	4.17E-08	9.28E-08	3.97E-08	3.36E-08	7.33E-08
1223 ALL	577762.79	4137268.37	4.80E-08	3.92E-08	8.71E-08	3.73E-08	3.15E-08	6.88E-08
1224 ALL	577757.61	4137276.27	4.54E-08	3.71E-08	8.25E-08	3.53E-08	2.98E-08	6.51E-08
1225 ALL	577752.43	4137284.17	4.32E-08	3.53E-08	7.84E-08	3.36E-08	2.84E-08	6.20E-08
1226 ALL	577821.69	4137149.91	1.11E-07	9.01E-08	2.01E-07	8.60E-08	7.25E-08	1.59E-07
1227 ALL	577829.32	4137144.71	1.19E-07	9.74E-08	2.17E-07	9.30E-08	7.84E-08	1.71E-07
1228 ALL	577836.94	4137139.51	1.29E-07	1.05E-07	2.34E-07	1.00E-07	8.46E-08	1.85E-07
1229 ALL	577844.57	4137134.31	1.39E-07	1.13E-07	2.52E-07	1.08E-07	9.10E-08	1.99E-07
1230 ALL	577852.2	4137129.11	1.49E-07	1.21E-07	2.70E-07	1.16E-07	9.76E-08	2.13E-07
1231 ALL	577859.82	4137123.9	1.59E-07	1.29E-07	2.88E-07	1.24E-07	1.04E-07	2.28E-07
1232 ALL	577867.45	4137118.7	1.69E-07	1.38E-07	3.07E-07	1.31E-07	1.11E-07	2.42E-07
1233 ALL	577875.07	4137113.5	1.79E-07	1.46E-07	3.25E-07	1.39E-07	1.18E-07	2.57E-07
1234 ALL	577882.7	4137108.3	1.89E-07	1.54E-07	3.44E-07	1.47E-07	1.24E-07	2.71E-07
1235 ALL	577890.32	4137103.1	1.99E-07	1.62E-07	3.61E-07	1.55E-07	1.31E-07	2.85E-07
1236 ALL	577897.95	4137097.9	2.08E-07	1.70E-07	3.78E-07	1.62E-07	1.37E-07	2.99E-07
1237 ALL	577905.57	4137092.7	2.18E-07	1.77E-07	3.95E-07	1.69E-07	1.43E-07	3.12E-07
1238 ALL	577913.2	4137087.5	2.26E-07	1.84E-07	4.10E-07	1.76E-07	1.48E-07	3.24E-07
1239 ALL	577920.82	4137082.3	2.34E-07	1.91E-07	4.24E-07	1.82E-07	1.53E-07	3.35E-07
1240 ALL	577928.45	4137077.09	2.41E-07	1.96E-07	4.37E-07	1.87E-07	1.58E-07	3.45E-07
1241 ALL	577936.07	4137071.89	2.47E-07	2.01E-07	4.48E-07	1.92E-07	1.62E-07	3.54E-07
1242 ALL	577943.7	4137066.69	2.52E-07	2.05E-07	4.57E-07	1.96E-07	1.65E-07	3.61E-07
1243 ALL	577951.32	4137061.49	2.56E-07	2.09E-07	4.65E-07	1.99E-07	1.68E-07	3.67E-07
1244 ALL	577958.95	4137056.29	2.59E-07	2.11E-07	4.70E-07	2.01E-07	1.70E-07	3.71E-07
1245 ALL	577966.57	4137051.09	2.61E-07	2.13E-07	4.74E-07	2.03E-07	1.71E-07	3.74E-07
1246 ALL	577983.27	4137047.58	2.73E-07	2.23E-07	4.96E-07	2.12E-07	1.79E-07	3.92E-07
1247 ALL	577992.34	4137049.28	2.84E-07	2.31E-07	5.15E-07	2.21E-07	1.86E-07	4.07E-07
1248 ALL	578001.41	4137050.98	2.94E-07	2.39E-07	5.33E-07	2.29E-07	1.93E-07	4.21E-07
1249 ALL	578010.49	4137052.67	3.03E-07	2.47E-07	5.51E-07	2.36E-07	1.99E-07	4.35E-07
1250 ALL	578019.56	4137054.37	3.13E-07	2.55E-07	5.67E-07	2.43E-07	2.05E-07	4.48E-07
1251 ALL	578028.63	4137056.07	3.21E-07	2.62E-07	5.83E-07	2.50E-07	2.11E-07	4.60E-07
1252 ALL	577814.07	4137155.11	1.02E-07	8.32E-08	1.85E-07	7.94E-08	6.70E-08	1.46E-07
1253 ALL	577808.89	4137163.01	9.62E-08	7.85E-08	1.75E-07	7.48E-08	6.31E-08	1.38E-07
1254 ALL	577803.71	4137170.91	9.03E-08	7.37E-08	1.64E-07	7.03E-08	5.93E-08	1.30E-07
1255 ALL	577798.53	4137178.81	8.45E-08	6.90E-08	1.54E-07	6.58E-08	5.55E-08	1.21E-07
1256 ALL	577793.34	4137186.71	7.89E-08	6.44E-08	1.43E-07	6.14E-08	5.18E-08	1.13E-07
1257 ALL	577788.16	4137194.61	7.37E-08	6.02E-08	1.34E-07	5.73E-08	4.84E-08	1.06E-07
1258 ALL	577782.98	4137202.52	6.89E-08	5.62E-08	1.25E-07	5.36E-08	4.52E-08	9.88E-08
1259 ALL	577777.8	4137210.42	6.43E-08	5.25E-08	1.17E-07	5.00E-08	4.22E-08	9.22E-08
1260 ALL	577772.62	4137218.32	6.00E-08	4.90E-08	1.09E-07	4.67E-08	3.94E-08	8.61E-08
1261 ALL	577767.44	4137226.22	5.60E-08	4.57E-08	1.02E-07	4.35E-08	3.68E-08	8.03E-08
1262 ALL	577762.26	4137234.12	5.22E-08	4.26E-08	9.48E-08	4.06E-08	3.43E-08	7.49E-08
1263 ALL	577757.07	4137242.02	4.88E-08	3.98E-08	8.86E-08	3.79E-08	3.21E-08	7.00E-08
1264 ALL	577751.89	4137249.92	4.58E-08	3.74E-08	8.31E-08	3.56E-08	3.01E-08	6.57E-08
1265 ALL	577746.71	4137257.82	4.31E-08	3.52E-08	7.83E-08	3.35E-08	2.83E-08	6.19E-08
1266 ALL	577741.53	4137265.72	4.08E-08	3.34E-08	7.42E-08	3.18E-08	2.69E-08	5.86E-08
1267 ALL	577736.35	4137273.62	3.89E-08	3.18E-08	7.06E-08	3.02E-08	2.56E-08	5.58E-08
1268 ALL	577805.48	4137139.46	9.44E-08	7.70E-08	1.71E-07	7.34E-08	6.19E-08	1.35E-07
1269 ALL	577812.97	4137134.35	1.02E-07	8.28E-08	1.84E-07	7.90E-08	6.66E-08	1.46E-07
1270 ALL	577820.46	4137129.24	1.09E-07	8.89E-08	1.98E-07	8.48E-08	7.15E-08	1.56E-07
1271 ALL	577827.95	4137124.13	1.17E-07	9.53E-08	2.12E-07	9.09E-08	7.67E-08	1.68E-07
1272 ALL	577835.44	4137119.02	1.25E-07	1.02E-07	2.27E-07	9.73E-08	8.21E-08	1.79E-07
1273 ALL	577842.93	4137113.91	1.34E-07	1.09E-07	2.42E-07	1.04E-07	8.76E-08	1.91E-07
1274 ALL	577850.41	4137108.8	1.42E-07	1.16E-07	2.58E-07	1.10E-07	9.32E-08	2.04E-07
1275 ALL	577865.39	4137098.59	1.59E-07	1.30E-07	2.89E-07	1.24E-07	1.04E-07	2.28E-07
1276 ALL	577872.88	4137093.48	1.68E-07	1.37E-07	3.04E-07	1.30E-07	1.10E-07	2.40E-07

1277 ALL	577880.37	4137088.37	1.76E-07	1.43E-07	3.19E-07	1.37E-07	1.15E-07	2.52E-07
1278 ALL	577887.86	4137083.26	1.84E-07	1.50E-07	3.34E-07	1.43E-07	1.21E-07	2.64E-07
1279 ALL	577895.35	4137078.15	1.92E-07	1.56E-07	3.48E-07	1.49E-07	1.26E-07	2.75E-07
1280 ALL	577902.84	4137073.04	1.99E-07	1.62E-07	3.61E-07	1.55E-07	1.31E-07	2.85E-07
1281 ALL	577910.33	4137067.94	2.06E-07	1.68E-07	3.74E-07	1.60E-07	1.35E-07	2.95E-07
1282 ALL	577917.82	4137062.83	2.12E-07	1.73E-07	3.85E-07	1.65E-07	1.39E-07	3.04E-07
1283 ALL	577925.31	4137057.72	2.18E-07	1.77E-07	3.95E-07	1.69E-07	1.43E-07	3.12E-07
1284 ALL	577932.8	4137052.61	2.23E-07	1.81E-07	4.04E-07	1.73E-07	1.46E-07	3.19E-07
1285 ALL	577940.29	4137047.5	2.27E-07	1.85E-07	4.12E-07	1.77E-07	1.49E-07	3.26E-07
1286 ALL	577955.27	4137037.28	2.33E-07	1.90E-07	4.23E-07	1.81E-07	1.53E-07	3.34E-07
1287 ALL	577962.76	4137032.18	2.35E-07	1.91E-07	4.26E-07	1.83E-07	1.54E-07	3.37E-07
1288 ALL	577979.16	4137028.73	2.45E-07	2.00E-07	4.45E-07	1.91E-07	1.61E-07	3.51E-07
1289 ALL	577988.07	4137030.4	2.54E-07	2.07E-07	4.61E-07	1.98E-07	1.67E-07	3.64E-07
1290 ALL	577996.98	4137032.07	2.63E-07	2.14E-07	4.77E-07	2.04E-07	1.72E-07	3.77E-07
1291 ALL	578005.89	4137033.73	2.71E-07	2.21E-07	4.92E-07	2.11E-07	1.78E-07	3.88E-07
1292 ALL	578014.8	4137035.4	2.79E-07	2.27E-07	5.06E-07	2.17E-07	1.83E-07	3.99E-07
1293 ALL	578023.71	4137037.06	2.86E-07	2.33E-07	5.19E-07	2.22E-07	1.88E-07	4.10E-07
1294 ALL	578032.63	4137038.73	2.93E-07	2.39E-07	5.32E-07	2.28E-07	1.92E-07	4.20E-07
1295 ALL	577797.99	4137144.56	8.75E-08	7.14E-08	1.59E-07	6.81E-08	5.74E-08	1.26E-07
1296 ALL	577792.81	4137152.47	8.26E-08	6.74E-08	1.50E-07	6.43E-08	5.42E-08	1.18E-07
1297 ALL	577787.63	4137160.37	7.80E-08	6.36E-08	1.42E-07	6.07E-08	5.12E-08	1.12E-07
1298 ALL	577782.44	4137168.27	7.34E-08	5.99E-08	1.33E-07	5.71E-08	4.82E-08	1.05E-07
1299 ALL	577777.26	4137176.17	6.90E-08	5.63E-08	1.25E-07	5.37E-08	4.53E-08	9.89E-08
1300 ALL	577772.08	4137184.07	6.46E-08	5.28E-08	1.17E-07	5.03E-08	4.25E-08	9.27E-08
1301 ALL	577766.9	4137191.97	6.05E-08	4.94E-08	1.10E-07	4.71E-08	3.97E-08	8.68E-08
1302 ALL	577761.72	4137199.87	5.66E-08	4.62E-08	1.03E-07	4.40E-08	3.72E-08	8.12E-08
1303 ALL	577756.54	4137207.77	5.29E-08	4.32E-08	9.61E-08	4.12E-08	3.48E-08	7.59E-08
1304 ALL	577751.36	4137215.67	4.95E-08	4.04E-08	8.99E-08	3.85E-08	3.25E-08	7.10E-08
1305 ALL	577746.18	4137223.57	4.64E-08	3.79E-08	8.43E-08	3.61E-08	3.05E-08	6.66E-08
1306 ALL	577740.99	4137231.47	4.36E-08	3.56E-08	7.91E-08	3.39E-08	2.86E-08	6.25E-08
1307 ALL	577735.81	4137239.37	4.10E-08	3.35E-08	7.46E-08	3.19E-08	2.70E-08	5.89E-08
1308 ALL	577730.63	4137247.27	3.88E-08	3.17E-08	7.05E-08	3.02E-08	2.55E-08	5.57E-08
1309 ALL	577725.45	4137255.17	3.69E-08	3.01E-08	6.70E-08	2.87E-08	2.42E-08	5.29E-08
1310 ALL	577720.27	4137263.07	3.52E-08	2.87E-08	6.39E-08	2.74E-08	2.31E-08	5.05E-08
1311 ALL	577789.59	4137128.78	8.19E-08	6.68E-08	1.49E-07	6.37E-08	5.38E-08	1.17E-07
1312 ALL	577797.27	4137123.54	8.78E-08	7.16E-08	1.59E-07	6.83E-08	5.76E-08	1.26E-07
1313 ALL	577804.96	4137118.3	9.42E-08	7.68E-08	1.71E-07	7.33E-08	6.18E-08	1.35E-07
1314 ALL	577812.64	4137113.06	1.01E-07	8.22E-08	1.83E-07	7.84E-08	6.62E-08	1.45E-07
1315 ALL	577820.32	4137107.82	1.08E-07	8.78E-08	1.96E-07	8.38E-08	7.07E-08	1.54E-07
1316 ALL	577828	4137102.58	1.15E-07	9.38E-08	2.09E-07	8.95E-08	7.55E-08	1.65E-07
1317 ALL	577835.69	4137097.33	1.23E-07	9.99E-08	2.22E-07	9.53E-08	8.04E-08	1.76E-07
1318 ALL	577843.37	4137092.09	1.30E-07	1.06E-07	2.36E-07	1.01E-07	8.54E-08	1.87E-07
1319 ALL	577851.05	4137086.85	1.38E-07	1.12E-07	2.50E-07	1.07E-07	9.03E-08	1.97E-07
1320 ALL	577858.74	4137081.61	1.45E-07	1.18E-07	2.64E-07	1.13E-07	9.53E-08	2.08E-07
1321 ALL	577866.42	4137076.37	1.53E-07	1.24E-07	2.77E-07	1.19E-07	1.00E-07	2.19E-07
1322 ALL	577874.1	4137071.13	1.60E-07	1.30E-07	2.90E-07	1.24E-07	1.05E-07	2.29E-07
1323 ALL	577881.78	4137065.89	1.67E-07	1.36E-07	3.03E-07	1.30E-07	1.09E-07	2.39E-07
1324 ALL	577889.47	4137060.65	1.73E-07	1.41E-07	3.15E-07	1.35E-07	1.14E-07	2.49E-07
1325 ALL	577897.15	4137055.41	1.80E-07	1.47E-07	3.26E-07	1.40E-07	1.18E-07	2.58E-07
1326 ALL	577904.83	4137050.17	1.86E-07	1.51E-07	3.37E-07	1.45E-07	1.22E-07	2.66E-07
1327 ALL	577912.52	4137044.93	1.91E-07	1.56E-07	3.47E-07	1.49E-07	1.26E-07	2.74E-07
1328 ALL	577920.2	4137039.69	1.96E-07	1.60E-07	3.56E-07	1.53E-07	1.29E-07	2.81E-07
1329 ALL	577927.88	4137034.45	2.01E-07	1.64E-07	3.64E-07	1.56E-07	1.32E-07	2.88E-07
1330 ALL	577935.56	4137029.21	2.05E-07	1.67E-07	3.72E-07	1.59E-07	1.34E-07	2.94E-07
1331 ALL	577943.25	4137023.97	2.08E-07	1.70E-07	3.78E-07	1.62E-07	1.37E-07	2.99E-07
1332 ALL	577950.93	4137018.73	2.11E-07	1.72E-07	3.82E-07	1.64E-07	1.38E-07	3.02E-07
1333 ALL	577958.61	4137013.49	2.12E-07	1.73E-07	3.85E-07	1.65E-07	1.39E-07	3.04E-07
1334 ALL	577975.44	4137009.95	2.21E-07	1.80E-07	4.02E-07	1.72E-07	1.45E-07	3.18E-07

1335 ALL	577984.58	4137011.66	2.29E-07	1.87E-07	4.16E-07	1.78E-07	1.50E-07	3.29E-07
1336 ALL	577993.72	4137013.37	2.37E-07	1.93E-07	4.30E-07	1.84E-07	1.55E-07	3.40E-07
1337 ALL	578002.86	4137015.08	2.44E-07	1.99E-07	4.44E-07	1.90E-07	1.60E-07	3.50E-07
1338 ALL	578012	4137016.79	2.51E-07	2.05E-07	4.56E-07	1.96E-07	1.65E-07	3.60E-07
1339 ALL	578021.15	4137018.5	2.58E-07	2.10E-07	4.68E-07	2.01E-07	1.69E-07	3.70E-07
1340 ALL	578030.29	4137020.21	2.64E-07	2.15E-07	4.79E-07	2.06E-07	1.73E-07	3.79E-07
1341 ALL	578039.43	4137021.92	2.70E-07	2.20E-07	4.90E-07	2.10E-07	1.77E-07	3.87E-07
1342 ALL	577781.91	4137134.02	7.65E-08	6.24E-08	1.39E-07	5.95E-08	5.02E-08	1.10E-07
1343 ALL	577776.73	4137141.92	7.25E-08	5.91E-08	1.32E-07	5.64E-08	4.76E-08	1.04E-07
1344 ALL	577771.54	4137149.82	6.86E-08	5.59E-08	1.24E-07	5.33E-08	4.50E-08	9.83E-08
1345 ALL	577766.36	4137157.72	6.47E-08	5.28E-08	1.17E-07	5.03E-08	4.25E-08	9.28E-08
1346 ALL	577761.18	4137165.62	6.09E-08	4.97E-08	1.11E-07	4.73E-08	4.00E-08	8.73E-08
1347 ALL	577756	4137173.52	5.71E-08	4.66E-08	1.04E-07	4.44E-08	3.75E-08	8.19E-08
1348 ALL	577750.82	4137181.42	5.35E-08	4.37E-08	9.72E-08	4.16E-08	3.51E-08	7.68E-08
1349 ALL	577745.64	4137189.32	5.01E-08	4.09E-08	9.11E-08	3.90E-08	3.29E-08	7.20E-08
1350 ALL	577740.46	4137197.22	4.70E-08	3.84E-08	8.54E-08	3.66E-08	3.09E-08	6.75E-08
1351 ALL	577735.28	4137205.12	4.41E-08	3.60E-08	8.02E-08	3.43E-08	2.90E-08	6.33E-08
1352 ALL	577730.09	4137213.03	4.15E-08	3.39E-08	7.53E-08	3.23E-08	2.72E-08	5.95E-08
1353 ALL	577724.91	4137220.93	3.90E-08	3.19E-08	7.09E-08	3.04E-08	2.57E-08	5.60E-08
1354 ALL	577719.73	4137228.83	3.69E-08	3.01E-08	6.70E-08	2.87E-08	2.42E-08	5.29E-08
1355 ALL	577714.55	4137236.73	3.49E-08	2.85E-08	6.35E-08	2.72E-08	2.30E-08	5.01E-08
1356 ALL	577709.37	4137244.63	3.32E-08	2.72E-08	6.04E-08	2.59E-08	2.19E-08	4.77E-08
1357 ALL	577704.19	4137252.53	3.18E-08	2.59E-08	5.77E-08	2.47E-08	2.09E-08	4.56E-08
1358 ALL	577773.38	4137118.32	7.22E-08	5.89E-08	1.31E-07	5.62E-08	4.74E-08	1.04E-07
1359 ALL	577780.94	4137113.16	7.70E-08	6.28E-08	1.40E-07	5.99E-08	5.05E-08	1.10E-07
1360 ALL	577788.5	4137108.01	8.17E-08	6.66E-08	1.48E-07	6.36E-08	5.36E-08	1.17E-07
1361 ALL	577796.06	4137102.85	8.26E-08	6.74E-08	1.50E-07	6.43E-08	5.42E-08	1.18E-07
1362 ALL	577803.62	4137097.69	8.85E-08	7.21E-08	1.61E-07	6.88E-08	5.80E-08	1.27E-07
1363 ALL	577811.18	4137092.54	9.43E-08	7.69E-08	1.71E-07	7.34E-08	6.19E-08	1.35E-07
1364 ALL	577818.74	4137087.38	1.00E-07	8.16E-08	1.82E-07	7.79E-08	6.57E-08	1.44E-07
1365 ALL	577826.29	4137082.23	1.06E-07	8.66E-08	1.93E-07	8.27E-08	6.97E-08	1.52E-07
1366 ALL	577833.85	4137077.07	1.17E-07	9.57E-08	2.13E-07	9.13E-08	7.70E-08	1.68E-07
1367 ALL	577841.41	4137071.92	1.24E-07	1.01E-07	2.25E-07	9.64E-08	8.13E-08	1.78E-07
1368 ALL	577848.97	4137066.76	1.30E-07	1.06E-07	2.36E-07	1.01E-07	8.54E-08	1.87E-07
1369 ALL	577856.53	4137061.6	1.36E-07	1.11E-07	2.48E-07	1.06E-07	8.95E-08	1.96E-07
1370 ALL	577864.09	4137056.45	1.43E-07	1.16E-07	2.59E-07	1.11E-07	9.36E-08	2.05E-07
1371 ALL	577871.64	4137051.29	1.49E-07	1.21E-07	2.70E-07	1.16E-07	9.75E-08	2.13E-07
1372 ALL	577879.2	4137046.14	1.54E-07	1.26E-07	2.80E-07	1.20E-07	1.01E-07	2.21E-07
1373 ALL	577886.76	4137040.98	1.60E-07	1.30E-07	2.90E-07	1.24E-07	1.05E-07	2.29E-07
1374 ALL	577894.32	4137035.83	1.65E-07	1.35E-07	3.00E-07	1.28E-07	1.08E-07	2.37E-07
1375 ALL	577901.88	4137030.67	1.70E-07	1.39E-07	3.09E-07	1.32E-07	1.11E-07	2.44E-07
1376 ALL	577909.44	4137025.51	1.75E-07	1.42E-07	3.17E-07	1.36E-07	1.14E-07	2.50E-07
1377 ALL	577916.99	4137020.36	1.79E-07	1.46E-07	3.24E-07	1.39E-07	1.17E-07	2.56E-07
1378 ALL	577924.55	4137015.2	1.83E-07	1.49E-07	3.31E-07	1.42E-07	1.20E-07	2.62E-07
1379 ALL	577932.11	4137010.05	1.86E-07	1.52E-07	3.38E-07	1.45E-07	1.22E-07	2.67E-07
1380 ALL	577939.67	4137004.89	1.89E-07	1.54E-07	3.44E-07	1.47E-07	1.24E-07	2.72E-07
1381 ALL	577947.23	4136999.74	1.92E-07	1.56E-07	3.48E-07	1.49E-07	1.26E-07	2.75E-07
1382 ALL	577954.79	4136994.58	1.93E-07	1.57E-07	3.50E-07	1.50E-07	1.27E-07	2.77E-07
1383 ALL	577971.34	4136991.11	2.01E-07	1.64E-07	3.64E-07	1.56E-07	1.32E-07	2.88E-07
1384 ALL	577980.33	4136992.79	2.08E-07	1.69E-07	3.77E-07	1.61E-07	1.36E-07	2.98E-07
1385 ALL	577989.33	4136994.47	2.14E-07	1.75E-07	3.89E-07	1.67E-07	1.40E-07	3.07E-07
1386 ALL	577998.32	4136996.15	2.21E-07	1.80E-07	4.00E-07	1.72E-07	1.45E-07	3.16E-07
1387 ALL	578007.31	4136997.83	2.27E-07	1.85E-07	4.11E-07	1.76E-07	1.49E-07	3.25E-07
1388 ALL	578016.31	4136999.51	2.32E-07	1.89E-07	4.22E-07	1.81E-07	1.52E-07	3.33E-07
1389 ALL	578025.3	4137001.2	2.38E-07	1.94E-07	4.32E-07	1.85E-07	1.56E-07	3.41E-07
1390 ALL	578034.29	4137002.88	2.43E-07	1.98E-07	4.41E-07	1.89E-07	1.60E-07	3.49E-07
1391 ALL	578043.29	4137004.56	2.44E-07	1.99E-07	4.43E-07	1.90E-07	1.60E-07	3.50E-07
1392 ALL	578052.28	4137006.24	2.48E-07	2.02E-07	4.51E-07	1.93E-07	1.63E-07	3.56E-07

1393 ALL	577765.83	4137123.47	6.76E-08	5.51E-08	1.23E-07	5.26E-08	4.43E-08	9.69E-08
1394 ALL	577760.64	4137131.37	6.41E-08	5.22E-08	1.16E-07	4.98E-08	4.20E-08	9.19E-08
1395 ALL	577755.46	4137139.27	6.05E-08	4.94E-08	1.10E-07	4.71E-08	3.97E-08	8.68E-08
1396 ALL	577750.28	4137147.17	5.71E-08	4.66E-08	1.04E-07	4.44E-08	3.75E-08	8.19E-08
1397 ALL	577745.1	4137155.08	5.38E-08	4.39E-08	9.77E-08	4.18E-08	3.53E-08	7.72E-08
1398 ALL	577739.92	4137162.98	5.06E-08	4.13E-08	9.20E-08	3.94E-08	3.33E-08	7.27E-08
1399 ALL	577734.74	4137170.88	4.76E-08	3.89E-08	8.65E-08	3.71E-08	3.13E-08	6.83E-08
1400 ALL	577729.56	4137178.78	4.48E-08	3.65E-08	8.13E-08	3.48E-08	2.94E-08	6.42E-08
1401 ALL	577724.38	4137186.68	4.21E-08	3.43E-08	7.64E-08	3.27E-08	2.76E-08	6.03E-08
1402 ALL	577719.19	4137194.58	3.95E-08	3.23E-08	7.18E-08	3.08E-08	2.60E-08	5.67E-08
1403 ALL	577714.01	4137202.48	3.72E-08	3.04E-08	6.76E-08	2.90E-08	2.45E-08	5.34E-08
1404 ALL	577708.83	4137210.38	3.52E-08	2.87E-08	6.39E-08	2.74E-08	2.31E-08	5.05E-08
1405 ALL	577703.65	4137218.28	3.33E-08	2.72E-08	6.05E-08	2.59E-08	2.19E-08	4.78E-08
1406 ALL	577698.47	4137226.18	3.16E-08	2.58E-08	5.74E-08	2.46E-08	2.08E-08	4.54E-08
1407 ALL	577693.29	4137234.08	3.01E-08	2.46E-08	5.47E-08	2.34E-08	1.98E-08	4.32E-08
1408 ALL	577688.11	4137241.98	2.88E-08	2.35E-08	5.23E-08	2.24E-08	1.89E-08	4.13E-08
1409 ALL	577757.47	4137107.66	6.41E-08	5.22E-08	1.16E-07	4.98E-08	4.20E-08	9.19E-08
1410 ALL	577765.2	4137102.38	6.85E-08	5.59E-08	1.24E-07	5.33E-08	4.50E-08	9.83E-08
1411 ALL	577772.93	4137097.11	7.29E-08	5.95E-08	1.32E-07	5.67E-08	4.79E-08	1.05E-07
1412 ALL	577780.66	4137091.84	7.75E-08	6.32E-08	1.41E-07	6.03E-08	5.09E-08	1.11E-07
1413 ALL	577788.38	4137086.57	8.21E-08	6.69E-08	1.49E-07	6.39E-08	5.39E-08	1.18E-07
1414 ALL	577796.11	4137081.3	8.31E-08	6.78E-08	1.51E-07	6.46E-08	5.45E-08	1.19E-07
1415 ALL	577803.84	4137076.03	8.83E-08	7.19E-08	1.60E-07	6.87E-08	5.79E-08	1.27E-07
1416 ALL	577811.57	4137070.76	9.34E-08	7.61E-08	1.70E-07	7.26E-08	6.13E-08	1.34E-07
1417 ALL	577819.3	4137065.49	9.83E-08	8.02E-08	1.79E-07	7.65E-08	6.45E-08	1.41E-07
1418 ALL	577827.02	4137060.21	1.04E-07	8.46E-08	1.88E-07	8.07E-08	6.81E-08	1.49E-07
1419 ALL	577834.75	4137054.94	1.10E-07	8.94E-08	1.99E-07	8.53E-08	7.19E-08	1.57E-07
1420 ALL	577842.48	4137049.67	1.15E-07	9.40E-08	2.09E-07	8.97E-08	7.56E-08	1.65E-07
1421 ALL	577850.21	4137044.4	1.21E-07	9.85E-08	2.19E-07	9.40E-08	7.92E-08	1.73E-07
1422 ALL	577857.93	4137039.13	1.31E-07	1.06E-07	2.37E-07	1.02E-07	8.57E-08	1.87E-07
1423 ALL	577865.66	4137033.86	1.36E-07	1.11E-07	2.47E-07	1.06E-07	8.92E-08	1.95E-07
1424 ALL	577873.39	4137028.59	1.41E-07	1.15E-07	2.56E-07	1.10E-07	9.25E-08	2.02E-07
1425 ALL	577881.12	4137023.32	1.46E-07	1.19E-07	2.65E-07	1.13E-07	9.56E-08	2.09E-07
1426 ALL	577888.85	4137018.05	1.50E-07	1.23E-07	2.73E-07	1.17E-07	9.86E-08	2.16E-07
1427 ALL	577896.57	4137012.77	1.55E-07	1.26E-07	2.81E-07	1.20E-07	1.01E-07	2.22E-07
1428 ALL	577904.3	4137007.5	1.59E-07	1.29E-07	2.88E-07	1.23E-07	1.04E-07	2.28E-07
1429 ALL	577912.03	4137002.23	1.63E-07	1.33E-07	2.95E-07	1.26E-07	1.07E-07	2.33E-07
1430 ALL	577919.76	4136996.96	1.66E-07	1.35E-07	3.02E-07	1.29E-07	1.09E-07	2.38E-07
1431 ALL	577927.48	4136991.69	1.70E-07	1.38E-07	3.08E-07	1.32E-07	1.11E-07	2.43E-07
1432 ALL	577935.21	4136986.42	1.73E-07	1.41E-07	3.13E-07	1.34E-07	1.13E-07	2.47E-07
1433 ALL	577942.94	4136981.15	1.75E-07	1.43E-07	3.18E-07	1.36E-07	1.15E-07	2.51E-07
1434 ALL	577950.67	4136975.88	1.76E-07	1.44E-07	3.20E-07	1.37E-07	1.16E-07	2.53E-07
1435 ALL	577967.59	4136972.32	1.83E-07	1.49E-07	3.32E-07	1.42E-07	1.20E-07	2.63E-07
1436 ALL	577976.79	4136974.04	1.89E-07	1.54E-07	3.43E-07	1.47E-07	1.24E-07	2.71E-07
1437 ALL	577985.98	4136975.76	1.95E-07	1.59E-07	3.54E-07	1.52E-07	1.28E-07	2.80E-07
1438 ALL	577995.18	4136977.48	2.01E-07	1.64E-07	3.65E-07	1.56E-07	1.32E-07	2.88E-07
1439 ALL	578004.37	4136979.2	2.06E-07	1.68E-07	3.75E-07	1.61E-07	1.35E-07	2.96E-07
1440 ALL	578013.57	4136980.92	2.12E-07	1.73E-07	3.84E-07	1.65E-07	1.39E-07	3.04E-07
1441 ALL	578022.76	4136982.64	2.17E-07	1.77E-07	3.93E-07	1.69E-07	1.42E-07	3.11E-07
1442 ALL	578031.96	4136984.36	2.22E-07	1.81E-07	4.02E-07	1.72E-07	1.45E-07	3.18E-07
1443 ALL	578041.15	4136986.08	2.26E-07	1.84E-07	4.10E-07	1.76E-07	1.48E-07	3.24E-07
1444 ALL	578050.35	4136987.8	2.27E-07	1.85E-07	4.11E-07	1.76E-07	1.49E-07	3.25E-07
1445 ALL	578059.54	4136989.52	2.30E-07	1.87E-07	4.17E-07	1.79E-07	1.51E-07	3.30E-07
1446 ALL	578169.88	4137010.15	2.44E-07	1.98E-07	4.42E-07	1.89E-07	1.60E-07	3.49E-07
1447 ALL	578179.08	4137011.87	2.41E-07	1.96E-07	4.37E-07	1.87E-07	1.58E-07	3.45E-07
1448 ALL	578188.27	4137013.59	2.37E-07	1.93E-07	4.30E-07	1.84E-07	1.56E-07	3.40E-07
1449 ALL	578197.47	4137015.31	2.33E-07	1.90E-07	4.23E-07	1.81E-07	1.53E-07	3.34E-07
1450 ALL	577749.75	4137112.93	5.97E-08	4.87E-08	1.08E-07	4.65E-08	3.92E-08	8.57E-08

1451 ALL	577744.56	4137120.83	5.66E-08	4.62E-08	1.03E-07	4.41E-08	3.72E-08	8.12E-08
1452 ALL	577739.38	4137128.73	5.36E-08	4.37E-08	9.74E-08	4.17E-08	3.52E-08	7.69E-08
1453 ALL	577734.2	4137136.63	5.07E-08	4.13E-08	9.20E-08	3.94E-08	3.33E-08	7.27E-08
1454 ALL	577729.02	4137144.53	4.78E-08	3.90E-08	8.68E-08	3.72E-08	3.14E-08	6.86E-08
1455 ALL	577723.84	4137152.43	4.51E-08	3.68E-08	8.18E-08	3.51E-08	2.96E-08	6.47E-08
1456 ALL	577718.66	4137160.33	4.25E-08	3.47E-08	7.72E-08	3.30E-08	2.79E-08	6.09E-08
1457 ALL	577713.48	4137168.23	4.01E-08	3.27E-08	7.27E-08	3.12E-08	2.63E-08	5.75E-08
1458 ALL	577708.29	4137176.13	3.77E-08	3.08E-08	6.85E-08	2.93E-08	2.48E-08	5.41E-08
1459 ALL	577703.11	4137184.03	3.55E-08	2.90E-08	6.45E-08	2.76E-08	2.33E-08	5.10E-08
1460 ALL	577697.93	4137191.93	3.35E-08	2.73E-08	6.08E-08	2.60E-08	2.20E-08	4.80E-08
1461 ALL	577692.75	4137199.83	3.00E-08	2.45E-08	5.45E-08	2.34E-08	1.97E-08	4.31E-08
1462 ALL	577687.57	4137207.73	2.85E-08	2.33E-08	5.18E-08	2.22E-08	1.87E-08	4.09E-08
1463 ALL	577682.39	4137215.64	2.71E-08	2.22E-08	4.93E-08	2.11E-08	1.78E-08	3.89E-08
1464 ALL	577677.21	4137223.54	2.59E-08	2.12E-08	4.71E-08	2.02E-08	1.70E-08	3.72E-08
1465 ALL	577672.03	4137231.44	2.48E-08	2.02E-08	4.51E-08	1.93E-08	1.63E-08	3.56E-08
1466 ALL	577741.28	4137097.19	5.66E-08	4.62E-08	1.03E-07	4.40E-08	3.72E-08	8.12E-08
1467 ALL	577748.89	4137091.99	6.05E-08	4.93E-08	1.10E-07	4.70E-08	3.97E-08	8.67E-08
1468 ALL	577756.5	4137086.8	6.45E-08	5.26E-08	1.17E-07	5.02E-08	4.23E-08	9.25E-08
1469 ALL	577764.12	4137081.61	6.88E-08	5.61E-08	1.25E-07	5.35E-08	4.51E-08	9.86E-08
1470 ALL	577771.73	4137076.42	7.28E-08	5.94E-08	1.32E-07	5.67E-08	4.78E-08	1.04E-07
1471 ALL	577779.34	4137071.22	7.71E-08	6.28E-08	1.40E-07	5.99E-08	5.06E-08	1.10E-07
1472 ALL	577786.96	4137066.03	8.13E-08	6.63E-08	1.48E-07	6.33E-08	5.34E-08	1.17E-07
1473 ALL	577794.57	4137060.84	8.23E-08	6.71E-08	1.49E-07	6.41E-08	5.40E-08	1.18E-07
1474 ALL	577802.18	4137055.64	8.67E-08	7.07E-08	1.57E-07	6.75E-08	5.69E-08	1.24E-07
1475 ALL	577809.8	4137050.45	9.09E-08	7.41E-08	1.65E-07	7.07E-08	5.96E-08	1.30E-07
1476 ALL	577817.41	4137045.26	9.49E-08	7.74E-08	1.72E-07	7.38E-08	6.23E-08	1.36E-07
1477 ALL	577825.02	4137040.06	9.90E-08	8.07E-08	1.80E-07	7.70E-08	6.50E-08	1.42E-07
1478 ALL	577832.63	4137034.87	1.04E-07	8.47E-08	1.89E-07	8.08E-08	6.81E-08	1.49E-07
1479 ALL	577840.25	4137029.68	1.09E-07	8.85E-08	1.97E-07	8.45E-08	7.12E-08	1.56E-07
1480 ALL	577847.86	4137024.49	1.13E-07	9.22E-08	2.05E-07	8.80E-08	7.42E-08	1.62E-07
1481 ALL	577855.47	4137019.29	1.18E-07	9.58E-08	2.13E-07	9.14E-08	7.71E-08	1.69E-07
1482 ALL	577863.09	4137014.1	1.22E-07	9.94E-08	2.21E-07	9.48E-08	8.00E-08	1.75E-07
1483 ALL	577870.7	4137008.91	1.26E-07	1.03E-07	2.29E-07	9.80E-08	8.27E-08	1.81E-07
1484 ALL	577878.31	4137003.71	1.30E-07	1.06E-07	2.36E-07	1.01E-07	8.52E-08	1.86E-07
1485 ALL	577885.93	4136998.52	1.34E-07	1.09E-07	2.43E-07	1.04E-07	8.78E-08	1.92E-07
1486 ALL	577893.54	4136993.33	1.42E-07	1.16E-07	2.58E-07	1.11E-07	9.33E-08	2.04E-07
1487 ALL	577901.15	4136988.13	1.46E-07	1.19E-07	2.65E-07	1.13E-07	9.57E-08	2.09E-07
1488 ALL	577908.77	4136982.94	1.49E-07	1.22E-07	2.71E-07	1.16E-07	9.78E-08	2.14E-07
1489 ALL	577916.38	4136977.75	1.52E-07	1.24E-07	2.76E-07	1.18E-07	9.99E-08	2.18E-07
1490 ALL	577923.99	4136972.56	1.55E-07	1.27E-07	2.82E-07	1.21E-07	1.02E-07	2.23E-07
1491 ALL	577931.61	4136967.36	1.58E-07	1.29E-07	2.86E-07	1.23E-07	1.03E-07	2.26E-07
1492 ALL	577939.22	4136962.17	1.60E-07	1.30E-07	2.90E-07	1.24E-07	1.05E-07	2.29E-07
1493 ALL	577946.83	4136956.98	1.61E-07	1.32E-07	2.93E-07	1.26E-07	1.06E-07	2.31E-07
1494 ALL	577963.5	4136953.48	1.67E-07	1.37E-07	3.04E-07	1.30E-07	1.10E-07	2.40E-07
1495 ALL	577972.56	4136955.17	1.73E-07	1.41E-07	3.14E-07	1.34E-07	1.13E-07	2.48E-07
1496 ALL	577981.62	4136956.86	1.78E-07	1.45E-07	3.23E-07	1.38E-07	1.17E-07	2.55E-07
1497 ALL	577990.68	4136958.56	1.83E-07	1.49E-07	3.32E-07	1.42E-07	1.20E-07	2.63E-07
1498 ALL	577999.74	4136960.25	1.88E-07	1.53E-07	3.41E-07	1.46E-07	1.23E-07	2.69E-07
1499 ALL	578008.8	4136961.95	1.93E-07	1.57E-07	3.50E-07	1.50E-07	1.26E-07	2.76E-07
1500 ALL	578017.86	4136963.64	1.97E-07	1.61E-07	3.58E-07	1.53E-07	1.29E-07	2.83E-07
1501 ALL	578026.91	4136965.33	2.01E-07	1.64E-07	3.66E-07	1.57E-07	1.32E-07	2.89E-07
1502 ALL	578035.97	4136967.03	2.06E-07	1.68E-07	3.73E-07	1.60E-07	1.35E-07	2.95E-07
1503 ALL	578045.03	4136968.72	2.06E-07	1.68E-07	3.75E-07	1.61E-07	1.35E-07	2.96E-07
1504 ALL	578054.09	4136970.42	2.10E-07	1.71E-07	3.80E-07	1.63E-07	1.37E-07	3.00E-07
1505 ALL	578063.15	4136972.11	2.12E-07	1.73E-07	3.86E-07	1.65E-07	1.39E-07	3.05E-07
1506 ALL	578162.79	4136990.74	2.24E-07	1.83E-07	4.07E-07	1.75E-07	1.47E-07	3.22E-07
1507 ALL	578171.85	4136992.43	2.22E-07	1.81E-07	4.04E-07	1.73E-07	1.46E-07	3.19E-07
1508 ALL	578180.91	4136994.13	2.20E-07	1.80E-07	4.00E-07	1.71E-07	1.44E-07	3.16E-07

1509 ALL	578189.97	4136995.82	2.21E-07	1.80E-07	4.00E-07	1.72E-07	1.45E-07	3.16E-07
1510 ALL	578199.03	4136997.52	2.18E-07	1.77E-07	3.95E-07	1.69E-07	1.43E-07	3.12E-07
1511 ALL	578208.09	4136999.21	2.14E-07	1.75E-07	3.89E-07	1.67E-07	1.41E-07	3.07E-07
1512 ALL	577733.66	4137102.38	5.30E-08	4.33E-08	9.63E-08	4.13E-08	3.48E-08	7.61E-08
1513 ALL	577728.48	4137110.28	5.03E-08	4.10E-08	9.13E-08	3.91E-08	3.30E-08	7.21E-08
1514 ALL	577723.3	4137118.18	4.75E-08	3.87E-08	8.62E-08	3.69E-08	3.12E-08	6.81E-08
1515 ALL	577718.12	4137126.08	4.20E-08	3.43E-08	7.63E-08	3.27E-08	2.76E-08	6.03E-08
1516 ALL	577712.94	4137133.98	3.94E-08	3.21E-08	7.15E-08	3.06E-08	2.59E-08	5.65E-08
1517 ALL	577707.76	4137141.88	3.71E-08	3.02E-08	6.73E-08	2.88E-08	2.43E-08	5.32E-08
1518 ALL	577702.58	4137149.78	3.50E-08	2.86E-08	6.36E-08	2.73E-08	2.30E-08	5.02E-08
1519 ALL	577697.39	4137157.69	3.32E-08	2.71E-08	6.04E-08	2.59E-08	2.18E-08	4.77E-08
1520 ALL	577692.21	4137165.59	3.15E-08	2.57E-08	5.72E-08	2.45E-08	2.07E-08	4.52E-08
1521 ALL	577687.03	4137173.49	2.97E-08	2.43E-08	5.40E-08	2.31E-08	1.95E-08	4.27E-08
1522 ALL	577681.85	4137181.39	2.81E-08	2.29E-08	5.09E-08	2.18E-08	1.84E-08	4.02E-08
1523 ALL	577676.67	4137189.29	2.65E-08	2.16E-08	4.81E-08	2.06E-08	1.74E-08	3.80E-08
1524 ALL	577671.49	4137197.19	2.50E-08	2.04E-08	4.55E-08	1.95E-08	1.64E-08	3.59E-08
1525 ALL	577666.31	4137205.09	2.36E-08	1.92E-08	4.28E-08	1.83E-08	1.55E-08	3.38E-08
1526 ALL	577661.13	4137212.99	2.22E-08	1.81E-08	4.03E-08	1.73E-08	1.46E-08	3.18E-08
1527 ALL	577655.94	4137220.89	2.08E-08	1.70E-08	3.78E-08	1.62E-08	1.37E-08	2.99E-08
1528 ALL	577945.86	4137434.73	2.08E-06	1.69E-06	3.77E-06	1.62E-06	1.36E-06	2.98E-06
1529 ALL	577953.76	4137439.7	2.18E-06	1.78E-06	3.97E-06	1.70E-06	1.43E-06	3.13E-06
1530 ALL	577961.66	4137444.68	2.06E-06	1.68E-06	3.75E-06	1.61E-06	1.35E-06	2.96E-06
1531 ALL	577920.71	4137411.6	8.88E-07	7.24E-07	1.61E-06	6.91E-07	5.83E-07	1.27E-06
1532 ALL	577940.53	4137443.19	1.72E-06	1.40E-06	3.13E-06	1.34E-06	1.13E-06	2.47E-06
1533 ALL	577948.43	4137448.17	1.78E-06	1.45E-06	3.22E-06	1.38E-06	1.17E-06	2.55E-06
1534 ALL	577956.33	4137453.14	1.67E-06	1.36E-06	3.04E-06	1.30E-06	1.10E-06	2.40E-06
1535 ALL	577913.98	4137427.67	9.33E-07	7.60E-07	1.69E-06	7.25E-07	6.12E-07	1.34E-06
1536 ALL	577910.94	4137413.72	7.22E-07	5.88E-07	1.31E-06	5.61E-07	4.73E-07	1.03E-06
1537 ALL	577908.65	4137436.13	8.89E-07	7.25E-07	1.61E-06	6.92E-07	5.83E-07	1.28E-06
1538 ALL	577901.17	4137415.85	5.98E-07	4.88E-07	1.09E-06	4.65E-07	3.92E-07	8.58E-07
1539 ALL	577903.99	4137400.63	5.03E-07	4.10E-07	9.12E-07	3.91E-07	3.30E-07	7.21E-07
1540 ALL	577905.98	4137448.39	8.91E-07	7.26E-07	1.62E-06	6.93E-07	5.84E-07	1.28E-06
1541 ALL	577900.65	4137440.79	7.78E-07	6.34E-07	1.41E-06	6.05E-07	5.10E-07	1.12E-06
1542 ALL	577895.32	4137433.18	6.56E-07	5.35E-07	1.19E-06	5.10E-07	4.30E-07	9.40E-07
1543 ALL	577924.54	4137468.57	1.07E-06	8.69E-07	1.93E-06	8.29E-07	6.99E-07	1.53E-06
1544 ALL	577932.44	4137473.55	1.06E-06	8.65E-07	1.93E-06	8.25E-07	6.96E-07	1.52E-06
1545 ALL	577940.34	4137478.53	1.00E-06	8.19E-07	1.82E-06	7.82E-07	6.59E-07	1.44E-06
1546 ALL	577948.24	4137483.5	9.09E-07	7.41E-07	1.65E-06	7.07E-07	5.96E-07	1.30E-06
1547 ALL	577956.14	4137488.48	7.93E-07	6.46E-07	1.44E-06	6.17E-07	5.20E-07	1.14E-06
1548 ALL	577900.95	4137457.27	8.25E-07	6.72E-07	1.50E-06	6.42E-07	5.41E-07	1.18E-06
1549 ALL	577890.58	4137442.49	6.48E-07	5.28E-07	1.18E-06	5.04E-07	4.25E-07	9.30E-07
1550 ALL	577885.4	4137435.1	5.51E-07	4.49E-07	1.00E-06	4.28E-07	3.61E-07	7.90E-07
1551 ALL	577919.21	4137477.04	9.31E-07	7.59E-07	1.69E-06	7.24E-07	6.11E-07	1.33E-06
1552 ALL	577927.11	4137482.01	9.21E-07	7.51E-07	1.67E-06	7.16E-07	6.04E-07	1.32E-06
1553 ALL	577935.01	4137486.99	8.74E-07	7.12E-07	1.59E-06	6.80E-07	5.73E-07	1.25E-06
1554 ALL	577942.91	4137491.96	7.98E-07	6.51E-07	1.45E-06	6.21E-07	5.24E-07	1.14E-06
1555 ALL	577890.75	4137458.8	7.01E-07	5.71E-07	1.27E-06	5.45E-07	4.60E-07	1.00E-06
1556 ALL	577880.6	4137444.31	5.48E-07	4.47E-07	9.95E-07	4.26E-07	3.60E-07	7.86E-07
1557 ALL	577913.88	4137485.5	8.21E-07	6.69E-07	1.49E-06	6.39E-07	5.39E-07	1.18E-06
1558 ALL	577921.78	4137490.47	8.09E-07	6.59E-07	1.47E-06	6.29E-07	5.31E-07	1.16E-06
1559 ALL	577929.68	4137495.45	7.69E-07	6.27E-07	1.40E-06	5.98E-07	5.04E-07	1.10E-06
1560 ALL	577937.58	4137500.43	7.08E-07	5.77E-07	1.28E-06	5.50E-07	4.64E-07	1.01E-06
1561 ALL	577945.48	4137505.4	6.35E-07	5.17E-07	1.15E-06	4.94E-07	4.16E-07	9.10E-07
1562 ALL	577885.66	4137467.6	6.55E-07	5.34E-07	1.19E-06	5.10E-07	4.30E-07	9.40E-07
1563 ALL	577875.67	4137453.34	5.36E-07	4.37E-07	9.74E-07	4.17E-07	3.52E-07	7.69E-07
1564 ALL	577908.55	4137493.96	7.31E-07	5.96E-07	1.33E-06	5.68E-07	4.79E-07	1.05E-06
1565 ALL	577916.45	4137498.93	7.18E-07	5.85E-07	1.30E-06	5.58E-07	4.71E-07	1.03E-06
1566 ALL	577924.35	4137503.91	6.83E-07	5.57E-07	1.24E-06	5.32E-07	4.48E-07	9.80E-07

1567 ALL	577932.25	4137508.89	6.33E-07	5.16E-07	1.15E-06	4.93E-07	4.15E-07	9.08E-07
1568 ALL	577880.52	4137476.32	6.11E-07	4.98E-07	1.11E-06	4.75E-07	4.00E-07	8.75E-07
1569 ALL	577870.65	4137462.24	5.19E-07	4.23E-07	9.41E-07	4.03E-07	3.40E-07	7.44E-07
1570 ALL	577903.22	4137502.42	6.55E-07	5.34E-07	1.19E-06	5.10E-07	4.30E-07	9.39E-07
1571 ALL	577911.12	4137507.4	6.42E-07	5.23E-07	1.17E-06	5.00E-07	4.21E-07	9.21E-07
1572 ALL	577919.02	4137512.37	6.13E-07	4.99E-07	1.11E-06	4.77E-07	4.02E-07	8.79E-07
1573 ALL	577926.92	4137517.35	5.71E-07	4.65E-07	1.04E-06	4.44E-07	3.74E-07	8.18E-07
1574 ALL	577934.82	4137522.32	5.21E-07	4.25E-07	9.46E-07	4.05E-07	3.42E-07	7.47E-07
1575 ALL	577874.48	4137498.61	5.43E-07	4.42E-07	9.85E-07	4.22E-07	3.56E-07	7.78E-07
1576 ALL	577869.19	4137491.05	5.25E-07	4.28E-07	9.53E-07	4.09E-07	3.45E-07	7.53E-07
1577 ALL	577863.89	4137483.5	4.96E-07	4.05E-07	9.01E-07	3.86E-07	3.26E-07	7.12E-07
1578 ALL	577858.59	4137475.94	4.59E-07	3.74E-07	8.32E-07	3.57E-07	3.01E-07	6.58E-07
1579 ALL	577845.56	4137365.59	1.26E-07	1.03E-07	2.28E-07	9.77E-08	8.25E-08	1.80E-07
1580 ALL	577847.24	4137356.52	1.20E-07	9.79E-08	2.18E-07	9.33E-08	7.88E-08	1.72E-07
1581 ALL	577892.97	4137518.69	5.41E-07	4.41E-07	9.82E-07	4.21E-07	3.55E-07	7.76E-07
1582 ALL	577900.87	4137523.67	5.29E-07	4.31E-07	9.60E-07	4.11E-07	3.47E-07	7.58E-07
1583 ALL	577908.77	4137528.64	5.06E-07	4.13E-07	9.19E-07	3.94E-07	3.32E-07	7.26E-07
1584 ALL	577864.57	4137515.37	4.68E-07	3.81E-07	8.49E-07	3.64E-07	3.07E-07	6.71E-07
1585 ALL	577854.32	4137500.74	4.44E-07	3.62E-07	8.06E-07	3.46E-07	2.91E-07	6.37E-07
1586 ALL	577821.45	4137398.35	1.32E-07	1.07E-07	2.39E-07	1.02E-07	8.65E-08	1.89E-07
1587 ALL	577824.7	4137380.8	1.14E-07	9.27E-08	2.06E-07	8.83E-08	7.46E-08	1.63E-07
1588 ALL	577827.96	4137363.24	1.01E-07	8.24E-08	1.83E-07	7.85E-08	6.63E-08	1.45E-07
1589 ALL	577849.57	4137524.85	4.03E-07	3.29E-07	7.32E-07	3.14E-07	2.64E-07	5.78E-07
1590 ALL	577839.56	4137510.57	3.81E-07	3.11E-07	6.92E-07	2.97E-07	2.50E-07	5.47E-07
1591 ALL	577796.12	4137437.77	1.50E-07	1.22E-07	2.72E-07	1.17E-07	9.84E-08	2.15E-07
1592 ALL	577799.29	4137420.63	1.30E-07	1.06E-07	2.36E-07	1.01E-07	8.55E-08	1.87E-07
1593 ALL	577802.47	4137403.49	1.13E-07	9.19E-08	2.04E-07	8.76E-08	7.39E-08	1.62E-07
1594 ALL	577805.64	4137386.35	9.81E-08	8.01E-08	1.78E-07	7.63E-08	6.45E-08	1.41E-07
1595 ALL	577808.82	4137369.2	8.73E-08	7.13E-08	1.59E-07	6.79E-08	5.74E-08	1.25E-07
1596 ALL	577811.99	4137352.06	8.03E-08	6.56E-08	1.46E-07	6.25E-08	5.28E-08	1.15E-07
1597 ALL	577880.38	4137556.21	3.82E-07	3.11E-07	6.93E-07	2.97E-07	2.50E-07	5.47E-07
1598 ALL	577888.28	4137561.19	3.67E-07	2.99E-07	6.66E-07	2.86E-07	2.41E-07	5.26E-07
1599 ALL	577896.18	4137566.16	3.48E-07	2.84E-07	6.32E-07	2.71E-07	2.28E-07	4.99E-07
1600 ALL	577904.08	4137571.14	3.27E-07	2.66E-07	5.93E-07	2.54E-07	2.14E-07	4.68E-07
1601 ALL	577849.09	4137555.06	3.51E-07	2.86E-07	6.38E-07	2.73E-07	2.30E-07	5.04E-07
1602 ALL	577828.13	4137525.16	3.40E-07	2.77E-07	6.16E-07	2.64E-07	2.23E-07	4.87E-07
1603 ALL	577777.4	4137441.45	1.26E-07	1.03E-07	2.29E-07	9.81E-08	8.28E-08	1.81E-07
1604 ALL	577779.06	4137432.48	1.18E-07	9.60E-08	2.14E-07	9.15E-08	7.72E-08	1.69E-07
1605 ALL	577780.72	4137423.5	1.10E-07	8.94E-08	1.99E-07	8.52E-08	7.19E-08	1.57E-07
1606 ALL	577782.39	4137414.53	1.02E-07	8.32E-08	1.85E-07	7.93E-08	6.70E-08	1.46E-07
1607 ALL	577784.05	4137405.55	9.50E-08	7.75E-08	1.72E-07	7.39E-08	6.24E-08	1.36E-07
1608 ALL	577785.71	4137396.58	8.87E-08	7.24E-08	1.61E-07	6.90E-08	5.82E-08	1.27E-07
1609 ALL	577787.37	4137387.6	8.31E-08	6.78E-08	1.51E-07	6.46E-08	5.46E-08	1.19E-07
1610 ALL	577790.7	4137369.65	7.42E-08	6.06E-08	1.35E-07	5.77E-08	4.87E-08	1.06E-07
1611 ALL	577792.36	4137360.68	7.08E-08	5.79E-08	1.29E-07	5.51E-08	4.66E-08	1.02E-07
1612 ALL	577794.02	4137351.7	6.83E-08	5.58E-08	1.24E-07	5.31E-08	4.49E-08	9.80E-08
1613 ALL	577795.69	4137342.73	6.65E-08	5.43E-08	1.21E-07	5.17E-08	4.37E-08	9.55E-08
1614 ALL	577797.35	4137333.75	6.55E-08	5.35E-08	1.19E-07	5.09E-08	4.31E-08	9.40E-08
1615 ALL	577799.01	4137324.78	6.52E-08	5.33E-08	1.18E-07	5.07E-08	4.29E-08	9.36E-08
1616 ALL	577854.33	4137562.53	3.43E-07	2.80E-07	6.23E-07	2.67E-07	2.25E-07	4.92E-07
1617 ALL	577862.23	4137567.51	3.39E-07	2.76E-07	6.15E-07	2.64E-07	2.22E-07	4.86E-07
1618 ALL	577870.13	4137572.48	3.31E-07	2.70E-07	6.00E-07	2.57E-07	2.17E-07	4.74E-07
1619 ALL	577878.03	4137577.46	3.19E-07	2.60E-07	5.79E-07	2.48E-07	2.09E-07	4.57E-07
1620 ALL	577885.93	4137582.44	3.04E-07	2.48E-07	5.52E-07	2.37E-07	1.99E-07	4.36E-07
1621 ALL	577893.83	4137587.41	2.87E-07	2.34E-07	5.20E-07	2.23E-07	1.88E-07	4.11E-07
1622 ALL	577838.95	4137571.49	3.09E-07	2.52E-07	5.61E-07	2.40E-07	2.03E-07	4.43E-07
1623 ALL	577828.7	4137556.87	3.15E-07	2.57E-07	5.72E-07	2.45E-07	2.07E-07	4.52E-07
1624 ALL	577772.32	4137476.45	1.61E-07	1.31E-07	2.92E-07	1.25E-07	1.06E-07	2.31E-07

1625 ALL	577762.07	4137461.82	1.28E-07	1.05E-07	2.33E-07	9.99E-08	8.42E-08	1.84E-07
1626 ALL	577758.57	4137445.73	1.07E-07	8.75E-08	1.95E-07	8.34E-08	7.04E-08	1.54E-07
1627 ALL	577761.82	4137428.17	9.41E-08	7.67E-08	1.71E-07	7.32E-08	6.18E-08	1.35E-07
1628 ALL	577765.08	4137410.61	8.24E-08	6.73E-08	1.50E-07	6.41E-08	5.41E-08	1.18E-07
1629 ALL	577768.33	4137393.05	7.27E-08	5.94E-08	1.32E-07	5.66E-08	4.78E-08	1.04E-07
1630 ALL	577771.58	4137375.5	6.53E-08	5.33E-08	1.19E-07	5.08E-08	4.29E-08	9.37E-08
1631 ALL	577774.84	4137357.94	5.99E-08	4.89E-08	1.09E-07	4.66E-08	3.94E-08	8.60E-08
1632 ALL	577778.09	4137340.38	5.66E-08	4.63E-08	1.03E-07	4.40E-08	3.72E-08	8.13E-08
1633 ALL	577779.71	4137331.6	5.57E-08	4.55E-08	1.01E-07	4.33E-08	3.66E-08	8.00E-08
1634 ALL	577851.98	4137583.78	2.97E-07	2.42E-07	5.39E-07	2.31E-07	1.95E-07	4.26E-07
1635 ALL	577859.88	4137588.76	2.90E-07	2.36E-07	5.26E-07	2.25E-07	1.90E-07	4.16E-07
1636 ALL	577867.78	4137593.73	2.80E-07	2.28E-07	5.08E-07	2.18E-07	1.84E-07	4.01E-07
1637 ALL	577875.68	4137598.71	2.68E-07	2.18E-07	4.86E-07	2.08E-07	1.76E-07	3.84E-07
1638 ALL	577883.58	4137603.68	2.54E-07	2.07E-07	4.61E-07	1.97E-07	1.66E-07	3.64E-07
1639 ALL	577828.51	4137587.49	2.74E-07	2.23E-07	4.97E-07	2.13E-07	1.80E-07	3.93E-07
1640 ALL	577823.2	4137579.91	2.79E-07	2.27E-07	5.06E-07	2.17E-07	1.83E-07	4.00E-07
1641 ALL	577817.88	4137572.33	2.81E-07	2.29E-07	5.10E-07	2.19E-07	1.84E-07	4.03E-07
1642 ALL	577812.57	4137564.75	2.81E-07	2.29E-07	5.09E-07	2.18E-07	1.84E-07	4.02E-07
1643 ALL	577807.25	4137557.17	2.77E-07	2.26E-07	5.02E-07	2.15E-07	1.82E-07	3.97E-07
1644 ALL	577764.73	4137496.51	1.70E-07	1.38E-07	3.08E-07	1.32E-07	1.11E-07	2.43E-07
1645 ALL	577759.42	4137488.93	1.53E-07	1.25E-07	2.78E-07	1.19E-07	1.01E-07	2.20E-07
1646 ALL	577754.1	4137481.34	1.38E-07	1.12E-07	2.50E-07	1.07E-07	9.04E-08	1.98E-07
1647 ALL	577748.78	4137473.76	1.23E-07	1.01E-07	2.24E-07	9.59E-08	8.09E-08	1.77E-07
1648 ALL	577743.47	4137466.18	1.10E-07	8.97E-08	2.00E-07	8.56E-08	7.22E-08	1.58E-07
1649 ALL	577739.84	4137449.49	9.20E-08	7.50E-08	1.67E-07	7.16E-08	6.04E-08	1.32E-07
1650 ALL	577741.53	4137440.39	8.62E-08	7.03E-08	1.57E-07	6.71E-08	5.66E-08	1.24E-07
1651 ALL	577743.21	4137431.28	8.07E-08	6.59E-08	1.47E-07	6.28E-08	5.30E-08	1.16E-07
1652 ALL	577744.9	4137422.18	7.56E-08	6.17E-08	1.37E-07	5.88E-08	4.96E-08	1.08E-07
1653 ALL	577746.59	4137413.07	7.09E-08	5.79E-08	1.29E-07	5.51E-08	4.66E-08	1.02E-07
1654 ALL	577748.27	4137403.97	6.66E-08	5.44E-08	1.21E-07	5.18E-08	4.37E-08	9.55E-08
1655 ALL	577749.96	4137394.86	6.27E-08	5.12E-08	1.14E-07	4.88E-08	4.12E-08	9.00E-08
1656 ALL	577751.65	4137385.76	5.94E-08	4.85E-08	1.08E-07	4.62E-08	3.90E-08	8.52E-08
1657 ALL	577753.33	4137376.66	5.64E-08	4.61E-08	1.03E-07	4.39E-08	3.71E-08	8.10E-08
1658 ALL	577755.02	4137367.55	5.40E-08	4.41E-08	9.81E-08	4.20E-08	3.55E-08	7.75E-08
1659 ALL	577756.71	4137358.45	5.20E-08	4.24E-08	9.44E-08	4.04E-08	3.42E-08	7.46E-08
1660 ALL	577758.39	4137349.34	5.03E-08	4.11E-08	9.14E-08	3.91E-08	3.31E-08	7.22E-08
1661 ALL	577760.08	4137340.24	4.90E-08	4.00E-08	8.91E-08	3.81E-08	3.22E-08	7.04E-08
1662 ALL	577761.77	4137331.13	4.81E-08	3.93E-08	8.73E-08	3.74E-08	3.16E-08	6.90E-08
1663 ALL	577763.45	4137322.03	4.75E-08	3.88E-08	8.63E-08	3.69E-08	3.12E-08	6.82E-08
1664 ALL	577765.14	4137312.92	4.75E-08	3.88E-08	8.62E-08	3.69E-08	3.12E-08	6.81E-08
1665 ALL	577766.83	4137303.82	4.79E-08	3.91E-08	8.70E-08	3.72E-08	3.15E-08	6.87E-08
1666 ALL	577833.83	4137595.08	2.67E-07	2.17E-07	4.84E-07	2.08E-07	1.75E-07	3.83E-07
1667 ALL	577841.73	4137600.05	2.63E-07	2.14E-07	4.77E-07	2.04E-07	1.72E-07	3.77E-07
1668 ALL	577849.63	4137605.03	2.56E-07	2.09E-07	4.65E-07	2.00E-07	1.68E-07	3.68E-07
1669 ALL	577857.53	4137610	2.48E-07	2.02E-07	4.50E-07	1.93E-07	1.63E-07	3.56E-07
1670 ALL	577865.43	4137614.98	2.38E-07	1.94E-07	4.32E-07	1.85E-07	1.56E-07	3.41E-07
1671 ALL	577873.33	4137619.96	2.26E-07	1.84E-07	4.11E-07	1.76E-07	1.48E-07	3.25E-07
1672 ALL	577818.37	4137603.91	2.45E-07	1.99E-07	4.44E-07	1.90E-07	1.61E-07	3.51E-07
1673 ALL	577813.16	4137596.48	2.50E-07	2.03E-07	4.53E-07	1.94E-07	1.64E-07	3.58E-07
1674 ALL	577807.95	4137589.05	2.52E-07	2.06E-07	4.58E-07	1.96E-07	1.65E-07	3.62E-07
1675 ALL	577802.74	4137581.61	2.53E-07	2.06E-07	4.59E-07	1.97E-07	1.66E-07	3.63E-07
1676 ALL	577792.31	4137566.75	2.47E-07	2.01E-07	4.49E-07	1.92E-07	1.62E-07	3.54E-07
1677 ALL	577787.1	4137559.32	2.41E-07	1.96E-07	4.38E-07	1.88E-07	1.58E-07	3.46E-07
1678 ALL	577766.26	4137529.58	1.98E-07	1.61E-07	3.60E-07	1.54E-07	1.30E-07	2.84E-07
1679 ALL	577755.84	4137514.72	1.71E-07	1.39E-07	3.10E-07	1.33E-07	1.12E-07	2.45E-07
1680 ALL	577750.63	4137507.28	1.57E-07	1.28E-07	2.84E-07	1.22E-07	1.03E-07	2.25E-07
1681 ALL	577745.42	4137499.85	1.43E-07	1.16E-07	2.59E-07	1.11E-07	9.37E-08	2.05E-07
1682 ALL	577735	4137484.98	1.17E-07	9.55E-08	2.13E-07	9.11E-08	7.68E-08	1.68E-07



1683 ALL	577729.78	4137477.55	1.05E-07	8.60E-08	1.91E-07	8.20E-08	6.92E-08	1.51E-07
1684 ALL	577724.57	4137470.12	9.49E-08	7.74E-08	1.72E-07	7.38E-08	6.23E-08	1.36E-07
1685 ALL	577721.02	4137453.76	8.03E-08	6.55E-08	1.46E-07	6.25E-08	5.27E-08	1.15E-07
1686 ALL	577722.67	4137444.83	7.55E-08	6.16E-08	1.37E-07	5.87E-08	4.96E-08	1.08E-07
1687 ALL	577725.98	4137426.98	6.66E-08	5.44E-08	1.21E-07	5.18E-08	4.38E-08	9.56E-08
1688 ALL	577727.63	4137418.05	6.27E-08	5.12E-08	1.14E-07	4.88E-08	4.12E-08	8.99E-08
1689 ALL	577730.94	4137400.2	5.58E-08	4.56E-08	1.01E-07	4.34E-08	3.67E-08	8.01E-08
1690 ALL	577732.59	4137391.28	5.29E-08	4.32E-08	9.61E-08	4.12E-08	3.48E-08	7.60E-08
1691 ALL	577734.24	4137382.35	5.04E-08	4.12E-08	9.15E-08	3.92E-08	3.31E-08	7.23E-08
1692 ALL	577737.55	4137364.5	4.65E-08	3.79E-08	8.44E-08	3.61E-08	3.05E-08	6.67E-08
1693 ALL	577739.2	4137355.57	4.50E-08	3.67E-08	8.17E-08	3.50E-08	2.96E-08	6.45E-08
1694 ALL	577742.51	4137337.72	4.28E-08	3.50E-08	7.78E-08	3.33E-08	2.82E-08	6.15E-08
1695 ALL	577744.16	4137328.8	4.22E-08	3.45E-08	7.66E-08	3.28E-08	2.77E-08	6.05E-08
1696 ALL	577745.82	4137319.87	4.17E-08	3.41E-08	7.59E-08	3.25E-08	2.75E-08	5.99E-08
1697 ALL	577749.12	4137302.02	4.19E-08	3.42E-08	7.61E-08	3.26E-08	2.75E-08	6.01E-08
1698 ALL	577831.48	4137616.32	2.35E-07	1.91E-07	4.26E-07	1.82E-07	1.54E-07	3.36E-07
1699 ALL	577839.38	4137621.3	2.29E-07	1.87E-07	4.16E-07	1.78E-07	1.50E-07	3.28E-07
1700 ALL	577847.28	4137626.28	2.22E-07	1.81E-07	4.02E-07	1.73E-07	1.45E-07	3.18E-07
1701 ALL	577855.18	4137631.25	2.13E-07	1.74E-07	3.87E-07	1.66E-07	1.40E-07	3.06E-07
1702 ALL	577863.08	4137636.23	2.04E-07	1.66E-07	3.70E-07	1.58E-07	1.34E-07	2.92E-07
1703 ALL	577808.2	4137620.31	2.20E-07	1.80E-07	4.00E-07	1.71E-07	1.44E-07	3.16E-07
1704 ALL	577797.95	4137605.69	2.28E-07	1.86E-07	4.13E-07	1.77E-07	1.49E-07	3.27E-07
1705 ALL	577792.83	4137598.37	2.29E-07	1.87E-07	4.16E-07	1.78E-07	1.50E-07	3.28E-07
1706 ALL	577782.58	4137583.75	2.26E-07	1.85E-07	4.11E-07	1.76E-07	1.49E-07	3.25E-07
1707 ALL	577772.33	4137569.13	2.17E-07	1.77E-07	3.94E-07	1.69E-07	1.42E-07	3.11E-07
1708 ALL	577767.2	4137561.82	2.10E-07	1.71E-07	3.80E-07	1.63E-07	1.37E-07	3.00E-07
1709 ALL	577736.45	4137517.95	1.45E-07	1.18E-07	2.63E-07	1.13E-07	9.50E-08	2.08E-07
1710 ALL	577726.2	4137503.33	1.22E-07	9.93E-08	2.21E-07	9.47E-08	7.99E-08	1.75E-07
1711 ALL	577715.95	4137488.7	1.01E-07	8.22E-08	1.83E-07	7.85E-08	6.62E-08	1.45E-07
1712 ALL	577705.7	4137474.08	8.29E-08	6.76E-08	1.50E-07	6.45E-08	5.44E-08	1.19E-07
1713 ALL	577702.2	4137457.99	7.09E-08	5.78E-08	1.29E-07	5.52E-08	4.65E-08	1.02E-07
1714 ALL	577705.45	4137440.43	6.30E-08	5.14E-08	1.14E-07	4.90E-08	4.14E-08	9.04E-08
1715 ALL	577708.7	4137422.87	5.60E-08	4.57E-08	1.02E-07	4.36E-08	3.68E-08	8.04E-08
1716 ALL	577711.96	4137405.31	5.02E-08	4.10E-08	9.11E-08	3.90E-08	3.30E-08	7.20E-08
1717 ALL	577715.21	4137387.75	4.56E-08	3.72E-08	8.28E-08	3.55E-08	3.00E-08	6.54E-08
1718 ALL	577718.46	4137370.2	4.21E-08	3.44E-08	7.64E-08	3.27E-08	2.77E-08	6.04E-08
1719 ALL	577721.71	4137352.64	3.96E-08	3.23E-08	7.19E-08	3.08E-08	2.60E-08	5.68E-08
1720 ALL	577723.34	4137343.86	3.87E-08	3.16E-08	7.02E-08	3.01E-08	2.54E-08	5.55E-08
1721 ALL	577726.59	4137326.3	3.75E-08	3.07E-08	6.82E-08	2.92E-08	2.47E-08	5.39E-08
1722 ALL	577729.84	4137308.74	3.71E-08	3.03E-08	6.74E-08	2.89E-08	2.44E-08	5.33E-08
1723 ALL	577733.1	4137291.18	3.75E-08	3.06E-08	6.81E-08	2.92E-08	2.47E-08	5.38E-08
1724 ALL	577821.23	4137632.6	2.11E-07	1.72E-07	3.83E-07	1.64E-07	1.38E-07	3.02E-07
1725 ALL	577829.13	4137637.57	2.06E-07	1.68E-07	3.74E-07	1.60E-07	1.35E-07	2.95E-07
1726 ALL	577837.03	4137642.55	2.00E-07	1.63E-07	3.62E-07	1.55E-07	1.31E-07	2.86E-07
1727 ALL	577844.93	4137647.52	1.92E-07	1.57E-07	3.49E-07	1.50E-07	1.26E-07	2.76E-07
1728 ALL	577852.83	4137652.5	1.84E-07	1.50E-07	3.34E-07	1.43E-07	1.21E-07	2.64E-07
1729 ALL	577797.81	4137636.37	2.00E-07	1.63E-07	3.62E-07	1.55E-07	1.31E-07	2.86E-07
1730 ALL	577792.53	4137628.84	2.04E-07	1.66E-07	3.70E-07	1.59E-07	1.34E-07	2.92E-07
1731 ALL	577787.26	4137621.32	2.07E-07	1.69E-07	3.76E-07	1.61E-07	1.36E-07	2.97E-07
1732 ALL	577781.98	4137613.8	2.09E-07	1.70E-07	3.79E-07	1.62E-07	1.37E-07	2.99E-07
1733 ALL	577776.71	4137606.28	2.09E-07	1.70E-07	3.79E-07	1.62E-07	1.37E-07	2.99E-07
1734 ALL	577771.44	4137598.75	2.07E-07	1.69E-07	3.76E-07	1.61E-07	1.36E-07	2.97E-07
1735 ALL	577766.16	4137591.23	2.04E-07	1.66E-07	3.71E-07	1.59E-07	1.34E-07	2.93E-07
1736 ALL	577760.89	4137583.71	2.00E-07	1.63E-07	3.63E-07	1.55E-07	1.31E-07	2.86E-07
1737 ALL	577755.61	4137576.18	1.94E-07	1.58E-07	3.52E-07	1.51E-07	1.27E-07	2.78E-07
1738 ALL	577750.34	4137568.66	1.86E-07	1.52E-07	3.38E-07	1.45E-07	1.22E-07	2.67E-07
1739 ALL	577745.07	4137561.14	1.78E-07	1.45E-07	3.23E-07	1.39E-07	1.17E-07	2.55E-07
1740 ALL	577739.79	4137553.61	1.69E-07	1.38E-07	3.06E-07	1.31E-07	1.11E-07	2.42E-07

1741 ALL	577718.7	4137523.52	1.27E-07	1.04E-07	2.31E-07	9.88E-08	8.33E-08	1.82E-07
1742 ALL	577713.42	4137516	1.17E-07	9.52E-08	2.12E-07	9.08E-08	7.66E-08	1.67E-07
1743 ALL	577708.15	4137508.47	1.07E-07	8.71E-08	1.94E-07	8.31E-08	7.01E-08	1.53E-07
1744 ALL	577702.88	4137500.95	9.76E-08	7.95E-08	1.77E-07	7.59E-08	6.40E-08	1.40E-07
1745 ALL	577697.6	4137493.43	8.88E-08	7.24E-08	1.61E-07	6.91E-08	5.82E-08	1.27E-07
1746 ALL	577692.33	4137485.9	8.06E-08	6.57E-08	1.46E-07	6.27E-08	5.29E-08	1.16E-07
1747 ALL	577687.05	4137478.38	7.31E-08	5.96E-08	1.33E-07	5.69E-08	4.80E-08	1.05E-07
1748 ALL	577683.45	4137461.82	6.28E-08	5.12E-08	1.14E-07	4.89E-08	4.12E-08	9.01E-08
1749 ALL	577685.13	4137452.79	5.93E-08	4.84E-08	1.08E-07	4.61E-08	3.89E-08	8.51E-08
1750 ALL	577686.8	4137443.76	5.60E-08	4.57E-08	1.02E-07	4.35E-08	3.68E-08	8.03E-08
1751 ALL	577688.47	4137434.72	5.28E-08	4.31E-08	9.59E-08	4.11E-08	3.47E-08	7.58E-08
1752 ALL	577690.15	4137425.69	4.99E-08	4.07E-08	9.06E-08	3.88E-08	3.28E-08	7.16E-08
1753 ALL	577691.82	4137416.65	4.72E-08	3.85E-08	8.57E-08	3.67E-08	3.10E-08	6.77E-08
1754 ALL	577693.49	4137407.62	4.47E-08	3.65E-08	8.13E-08	3.48E-08	2.94E-08	6.42E-08
1755 ALL	577695.17	4137398.58	4.27E-08	3.48E-08	7.75E-08	3.32E-08	2.80E-08	6.12E-08
1756 ALL	577696.84	4137389.55	4.08E-08	3.33E-08	7.41E-08	3.17E-08	2.68E-08	5.85E-08
1757 ALL	577698.51	4137380.52	3.92E-08	3.20E-08	7.12E-08	3.05E-08	2.57E-08	5.62E-08
1758 ALL	577700.19	4137371.48	3.78E-08	3.09E-08	6.87E-08	2.94E-08	2.48E-08	5.42E-08
1759 ALL	577701.86	4137362.45	3.66E-08	2.99E-08	6.65E-08	2.85E-08	2.41E-08	5.25E-08
1760 ALL	577703.53	4137353.41	3.56E-08	2.91E-08	6.47E-08	2.77E-08	2.34E-08	5.11E-08
1761 ALL	577705.21	4137344.38	3.49E-08	2.85E-08	6.33E-08	2.71E-08	2.29E-08	5.00E-08
1762 ALL	577706.88	4137335.35	3.44E-08	2.81E-08	6.24E-08	2.67E-08	2.26E-08	4.93E-08
1763 ALL	577708.55	4137326.31	3.40E-08	2.78E-08	6.17E-08	2.64E-08	2.23E-08	4.88E-08
1764 ALL	577710.23	4137317.28	3.37E-08	2.75E-08	6.13E-08	2.62E-08	2.22E-08	4.84E-08
1765 ALL	577711.9	4137308.24	3.36E-08	2.74E-08	6.10E-08	2.61E-08	2.21E-08	4.82E-08
1766 ALL	577713.57	4137299.21	3.36E-08	2.75E-08	6.10E-08	2.61E-08	2.21E-08	4.82E-08
1767 ALL	577715.25	4137290.18	3.38E-08	2.76E-08	6.14E-08	2.63E-08	2.22E-08	4.85E-08
1768 ALL	577716.92	4137281.14	3.41E-08	2.78E-08	6.19E-08	2.65E-08	2.24E-08	4.89E-08
1769 ALL	577718.6	4137272.11	3.45E-08	2.82E-08	6.28E-08	2.69E-08	2.27E-08	4.96E-08
1770 ALL	577803.08	4137643.89	1.94E-07	1.58E-07	3.52E-07	1.51E-07	1.27E-07	2.78E-07
1771 ALL	577810.98	4137648.87	1.91E-07	1.56E-07	3.46E-07	1.48E-07	1.25E-07	2.74E-07
1772 ALL	577818.88	4137653.84	1.86E-07	1.52E-07	3.38E-07	1.45E-07	1.22E-07	2.67E-07
1773 ALL	577826.78	4137658.82	1.81E-07	1.47E-07	3.28E-07	1.41E-07	1.18E-07	2.59E-07
1774 ALL	577834.68	4137663.8	1.74E-07	1.42E-07	3.16E-07	1.36E-07	1.14E-07	2.50E-07
1775 ALL	577842.58	4137668.77	1.67E-07	1.36E-07	3.04E-07	1.30E-07	1.10E-07	2.40E-07
1776 ALL	577787.64	4137652.75	1.82E-07	1.48E-07	3.30E-07	1.41E-07	1.19E-07	2.61E-07
1777 ALL	577782.44	4137645.35	1.86E-07	1.51E-07	3.37E-07	1.44E-07	1.22E-07	2.66E-07
1778 ALL	577772.06	4137630.53	1.91E-07	1.55E-07	3.46E-07	1.48E-07	1.25E-07	2.73E-07
1779 ALL	577766.86	4137623.12	1.91E-07	1.56E-07	3.47E-07	1.49E-07	1.25E-07	2.74E-07
1780 ALL	577756.48	4137608.3	1.89E-07	1.54E-07	3.43E-07	1.47E-07	1.24E-07	2.71E-07
1781 ALL	577746.09	4137593.48	1.82E-07	1.48E-07	3.29E-07	1.41E-07	1.19E-07	2.60E-07
1782 ALL	577740.89	4137586.08	1.76E-07	1.44E-07	3.20E-07	1.37E-07	1.16E-07	2.53E-07
1783 ALL	577730.51	4137571.26	1.62E-07	1.32E-07	2.95E-07	1.26E-07	1.07E-07	2.33E-07
1784 ALL	577725.31	4137563.85	1.54E-07	1.26E-07	2.80E-07	1.20E-07	1.01E-07	2.21E-07
1785 ALL	577699.34	4137526.8	1.09E-07	8.91E-08	1.98E-07	8.50E-08	7.17E-08	1.57E-07
1786 ALL	577688.96	4137511.99	9.25E-08	7.54E-08	1.68E-07	7.20E-08	6.07E-08	1.33E-07
1787 ALL	577683.76	4137504.58	8.48E-08	6.92E-08	1.54E-07	6.60E-08	5.57E-08	1.22E-07
1788 ALL	577673.38	4137489.76	7.09E-08	5.78E-08	1.29E-07	5.52E-08	4.65E-08	1.02E-07
1789 ALL	577668.18	4137482.35	6.47E-08	5.28E-08	1.17E-07	5.03E-08	4.25E-08	9.28E-08
1790 ALL	577664.64	4137466.05	5.61E-08	4.58E-08	1.02E-07	4.36E-08	3.68E-08	8.05E-08
1791 ALL	577667.93	4137448.25	5.04E-08	4.11E-08	9.15E-08	3.92E-08	3.31E-08	7.23E-08
1792 ALL	577669.58	4137439.36	4.77E-08	3.89E-08	8.67E-08	3.71E-08	3.13E-08	6.85E-08
1793 ALL	577672.88	4137421.56	4.30E-08	3.51E-08	7.81E-08	3.34E-08	2.82E-08	6.17E-08
1794 ALL	577676.17	4137403.77	3.90E-08	3.19E-08	7.09E-08	3.04E-08	2.56E-08	5.60E-08
1795 ALL	577677.82	4137394.87	3.74E-08	3.06E-08	6.80E-08	2.91E-08	2.46E-08	5.37E-08
1796 ALL	577681.12	4137377.08	3.48E-08	2.84E-08	6.32E-08	2.70E-08	2.28E-08	4.99E-08
1797 ALL	577684.41	4137359.29	3.30E-08	2.69E-08	5.99E-08	2.57E-08	2.17E-08	4.73E-08
1798 ALL	577687.71	4137341.49	3.17E-08	2.59E-08	5.76E-08	2.47E-08	2.08E-08	4.55E-08

1799 ALL	577689.36	4137332.6	3.12E-08	2.55E-08	5.68E-08	2.43E-08	2.05E-08	4.48E-08
1800 ALL	577692.65	4137314.8	3.06E-08	2.50E-08	5.56E-08	2.38E-08	2.01E-08	4.39E-08
1801 ALL	577695.95	4137297.01	3.03E-08	2.47E-08	5.50E-08	2.36E-08	1.99E-08	4.35E-08
1802 ALL	577697.6	4137288.12	3.03E-08	2.47E-08	5.50E-08	2.36E-08	1.99E-08	4.35E-08
1803 ALL	577700.89	4137270.32	3.07E-08	2.51E-08	5.59E-08	2.39E-08	2.02E-08	4.41E-08
1804 ALL	577792.83	4137660.16	1.77E-07	1.44E-07	3.21E-07	1.38E-07	1.16E-07	2.54E-07
1805 ALL	577800.73	4137665.14	1.74E-07	1.42E-07	3.15E-07	1.35E-07	1.14E-07	2.49E-07
1806 ALL	577808.63	4137670.12	1.70E-07	1.38E-07	3.08E-07	1.32E-07	1.11E-07	2.43E-07
1807 ALL	577816.53	4137675.09	1.65E-07	1.34E-07	2.99E-07	1.28E-07	1.08E-07	2.36E-07
1808 ALL	577824.43	4137680.07	1.59E-07	1.30E-07	2.88E-07	1.24E-07	1.04E-07	2.28E-07
1809 ALL	577832.33	4137685.04	1.53E-07	1.25E-07	2.78E-07	1.19E-07	1.00E-07	2.19E-07
1810 ALL	577777.26	4137668.84	1.66E-07	1.36E-07	3.02E-07	1.29E-07	1.09E-07	2.39E-07
1811 ALL	577771.94	4137661.25	1.70E-07	1.39E-07	3.09E-07	1.32E-07	1.12E-07	2.44E-07
1812 ALL	577766.61	4137653.66	1.73E-07	1.41E-07	3.14E-07	1.35E-07	1.14E-07	2.48E-07
1813 ALL	577761.29	4137646.07	1.75E-07	1.43E-07	3.18E-07	1.36E-07	1.15E-07	2.51E-07
1814 ALL	577755.97	4137638.47	1.76E-07	1.43E-07	3.19E-07	1.37E-07	1.15E-07	2.52E-07
1815 ALL	577750.65	4137630.88	1.75E-07	1.43E-07	3.18E-07	1.36E-07	1.15E-07	2.52E-07
1816 ALL	577745.32	4137623.29	1.74E-07	1.42E-07	3.16E-07	1.35E-07	1.14E-07	2.50E-07
1817 ALL	577740	4137615.7	1.72E-07	1.40E-07	3.12E-07	1.34E-07	1.13E-07	2.46E-07
1818 ALL	577734.68	4137608.1	1.68E-07	1.37E-07	3.06E-07	1.31E-07	1.10E-07	2.41E-07
1819 ALL	577729.36	4137600.51	1.64E-07	1.34E-07	2.98E-07	1.28E-07	1.08E-07	2.35E-07
1820 ALL	577724.03	4137592.92	1.59E-07	1.29E-07	2.88E-07	1.23E-07	1.04E-07	2.27E-07
1821 ALL	577718.71	4137585.32	1.52E-07	1.24E-07	2.76E-07	1.19E-07	9.99E-08	2.18E-07
1822 ALL	577713.39	4137577.73	1.45E-07	1.18E-07	2.64E-07	1.13E-07	9.53E-08	2.08E-07
1823 ALL	577708.07	4137570.14	1.38E-07	1.12E-07	2.50E-07	1.07E-07	9.03E-08	1.97E-07
1824 ALL	577702.74	4137562.55	1.30E-07	1.06E-07	2.35E-07	1.01E-07	8.50E-08	1.86E-07
1825 ALL	577697.42	4137554.95	1.21E-07	9.88E-08	2.20E-07	9.43E-08	7.95E-08	1.74E-07
1826 ALL	577676.13	4137524.58	8.89E-08	7.25E-08	1.61E-07	6.92E-08	5.83E-08	1.28E-07
1827 ALL	577670.81	4137516.99	8.19E-08	6.68E-08	1.49E-07	6.37E-08	5.37E-08	1.17E-07
1828 ALL	577665.49	4137509.4	7.53E-08	6.14E-08	1.37E-07	5.86E-08	4.94E-08	1.08E-07
1829 ALL	577660.16	4137501.81	6.91E-08	5.63E-08	1.25E-07	5.37E-08	4.53E-08	9.90E-08
1830 ALL	577654.84	4137494.21	6.32E-08	5.15E-08	1.15E-07	4.92E-08	4.15E-08	9.06E-08
1831 ALL	577649.52	4137486.62	5.77E-08	4.71E-08	1.05E-07	4.49E-08	3.79E-08	8.28E-08
1832 ALL	577645.89	4137469.91	5.02E-08	4.09E-08	9.11E-08	3.90E-08	3.29E-08	7.20E-08
1833 ALL	577647.57	4137460.8	4.76E-08	3.89E-08	8.65E-08	3.71E-08	3.13E-08	6.83E-08
1834 ALL	577649.26	4137451.68	4.52E-08	3.69E-08	8.21E-08	3.52E-08	2.97E-08	6.48E-08
1835 ALL	577650.95	4137442.56	4.29E-08	3.50E-08	7.79E-08	3.34E-08	2.82E-08	6.15E-08
1836 ALL	577652.64	4137433.44	4.07E-08	3.32E-08	7.40E-08	3.17E-08	2.67E-08	5.84E-08
1837 ALL	577654.33	4137424.33	3.88E-08	3.17E-08	7.04E-08	3.02E-08	2.55E-08	5.56E-08
1838 ALL	577656.02	4137415.21	3.70E-08	3.02E-08	6.72E-08	2.88E-08	2.43E-08	5.31E-08
1839 ALL	577657.71	4137406.09	3.54E-08	2.89E-08	6.43E-08	2.75E-08	2.33E-08	5.08E-08
1840 ALL	577659.4	4137396.98	3.41E-08	2.78E-08	6.19E-08	2.65E-08	2.24E-08	4.89E-08
1841 ALL	577661.08	4137387.86	3.29E-08	2.69E-08	5.97E-08	2.56E-08	2.16E-08	4.72E-08
1842 ALL	577662.77	4137378.74	3.18E-08	2.60E-08	5.78E-08	2.48E-08	2.09E-08	4.57E-08
1843 ALL	577664.46	4137369.62	3.10E-08	2.53E-08	5.63E-08	2.41E-08	2.04E-08	4.44E-08
1844 ALL	577666.15	4137360.51	3.02E-08	2.47E-08	5.49E-08	2.35E-08	1.99E-08	4.34E-08
1845 ALL	577667.84	4137351.39	2.96E-08	2.42E-08	5.38E-08	2.30E-08	1.95E-08	4.25E-08
1846 ALL	577669.53	4137342.27	2.91E-08	2.37E-08	5.28E-08	2.26E-08	1.91E-08	4.17E-08
1847 ALL	577671.22	4137333.15	2.86E-08	2.34E-08	5.20E-08	2.22E-08	1.88E-08	4.10E-08
1848 ALL	577672.91	4137324.04	2.82E-08	2.30E-08	5.12E-08	2.19E-08	1.85E-08	4.04E-08
1849 ALL	577674.6	4137314.92	2.78E-08	2.27E-08	5.05E-08	2.16E-08	1.83E-08	3.99E-08
1850 ALL	577676.28	4137305.8	2.76E-08	2.25E-08	5.01E-08	2.14E-08	1.81E-08	3.96E-08
1851 ALL	577677.97	4137296.69	2.74E-08	2.24E-08	4.98E-08	2.13E-08	1.80E-08	3.94E-08
1852 ALL	577679.66	4137287.57	2.74E-08	2.24E-08	4.97E-08	2.13E-08	1.80E-08	3.93E-08
1853 ALL	577681.35	4137278.45	2.74E-08	2.24E-08	4.98E-08	2.13E-08	1.80E-08	3.94E-08
1854 ALL	577683.04	4137269.33	2.76E-08	2.25E-08	5.01E-08	2.15E-08	1.81E-08	3.96E-08
1855 ALL	577684.73	4137260.22	2.79E-08	2.28E-08	5.06E-08	2.17E-08	1.83E-08	4.00E-08
1856 ALL	577686.42	4137251.1	2.83E-08	2.31E-08	5.14E-08	2.20E-08	1.86E-08	4.06E-08

1857 ALL	577782.58	4137676.44	1.62E-07	1.32E-07	2.94E-07	1.26E-07	1.06E-07	2.32E-07
1858 ALL	577790.48	4137681.41	1.59E-07	1.30E-07	2.89E-07	1.24E-07	1.04E-07	2.28E-07
1859 ALL	577798.38	4137686.39	1.55E-07	1.27E-07	2.82E-07	1.21E-07	1.02E-07	2.23E-07
1860 ALL	577806.28	4137691.36	1.51E-07	1.23E-07	2.74E-07	1.17E-07	9.90E-08	2.16E-07
1861 ALL	577814.18	4137696.34	1.46E-07	1.19E-07	2.65E-07	1.14E-07	9.57E-08	2.09E-07
1862 ALL	577822.08	4137701.32	1.41E-07	1.15E-07	2.55E-07	1.09E-07	9.22E-08	2.01E-07
1863 ALL	577767.09	4137685.22	1.53E-07	1.25E-07	2.78E-07	1.19E-07	1.00E-07	2.19E-07
1864 ALL	577761.84	4137677.74	1.56E-07	1.28E-07	2.84E-07	1.22E-07	1.03E-07	2.24E-07
1865 ALL	577756.59	4137670.25	1.59E-07	1.30E-07	2.89E-07	1.24E-07	1.04E-07	2.28E-07
1866 ALL	577751.34	4137662.77	1.61E-07	1.31E-07	2.92E-07	1.25E-07	1.05E-07	2.31E-07
1867 ALL	577746.1	4137655.28	1.62E-07	1.32E-07	2.94E-07	1.26E-07	1.06E-07	2.32E-07
1868 ALL	577740.85	4137647.79	1.62E-07	1.32E-07	2.94E-07	1.26E-07	1.06E-07	2.32E-07
1869 ALL	577735.6	4137640.31	1.61E-07	1.31E-07	2.93E-07	1.25E-07	1.06E-07	2.31E-07
1870 ALL	577730.35	4137632.82	1.60E-07	1.30E-07	2.90E-07	1.24E-07	1.05E-07	2.29E-07
1871 ALL	577725.11	4137625.34	1.58E-07	1.29E-07	2.86E-07	1.23E-07	1.03E-07	2.26E-07
1872 ALL	577719.86	4137617.85	1.55E-07	1.26E-07	2.81E-07	1.20E-07	1.01E-07	2.22E-07
1873 ALL	577714.61	4137610.37	1.51E-07	1.23E-07	2.73E-07	1.17E-07	9.87E-08	2.16E-07
1874 ALL	577704.12	4137595.4	1.40E-07	1.14E-07	2.54E-07	1.09E-07	9.19E-08	2.01E-07
1875 ALL	577698.87	4137587.91	1.34E-07	1.09E-07	2.43E-07	1.04E-07	8.78E-08	1.92E-07
1876 ALL	577693.62	4137580.43	1.27E-07	1.04E-07	2.31E-07	9.89E-08	8.34E-08	1.82E-07
1877 ALL	577688.37	4137572.94	1.20E-07	9.79E-08	2.18E-07	9.34E-08	7.88E-08	1.72E-07
1878 ALL	577683.13	4137565.46	1.13E-07	9.19E-08	2.05E-07	8.77E-08	7.40E-08	1.62E-07
1879 ALL	577677.88	4137557.97	1.05E-07	8.59E-08	1.91E-07	8.20E-08	6.91E-08	1.51E-07
1880 ALL	577672.63	4137550.48	9.81E-08	8.00E-08	1.78E-07	7.63E-08	6.44E-08	1.41E-07
1881 ALL	577656.89	4137528.03	7.80E-08	6.36E-08	1.42E-07	6.07E-08	5.12E-08	1.12E-07
1882 ALL	577651.64	4137520.54	7.21E-08	5.88E-08	1.31E-07	5.61E-08	4.73E-08	1.03E-07
1883 ALL	577646.39	4137513.06	6.65E-08	5.42E-08	1.21E-07	5.17E-08	4.36E-08	9.54E-08
1884 ALL	577641.15	4137505.57	6.12E-08	4.99E-08	1.11E-07	4.76E-08	4.02E-08	8.78E-08
1885 ALL	577635.9	4137498.09	5.63E-08	4.59E-08	1.02E-07	4.38E-08	3.70E-08	8.08E-08
1886 ALL	577630.65	4137490.6	5.18E-08	4.22E-08	9.40E-08	4.03E-08	3.40E-08	7.42E-08
1887 ALL	577627.07	4137474.13	4.53E-08	3.70E-08	8.23E-08	3.52E-08	2.97E-08	6.50E-08
1888 ALL	577628.73	4137465.14	4.31E-08	3.52E-08	7.83E-08	3.36E-08	2.83E-08	6.19E-08
1889 ALL	577630.4	4137456.15	4.11E-08	3.35E-08	7.46E-08	3.20E-08	2.70E-08	5.89E-08
1890 ALL	577632.06	4137447.16	3.91E-08	3.19E-08	7.10E-08	3.04E-08	2.57E-08	5.61E-08
1891 ALL	577633.73	4137438.17	3.72E-08	3.04E-08	6.76E-08	2.90E-08	2.45E-08	5.34E-08
1892 ALL	577635.39	4137429.18	3.56E-08	2.91E-08	6.46E-08	2.77E-08	2.34E-08	5.11E-08
1893 ALL	577637.06	4137420.2	3.41E-08	2.78E-08	6.19E-08	2.65E-08	2.24E-08	4.89E-08
1894 ALL	577638.72	4137411.21	3.27E-08	2.67E-08	5.94E-08	2.54E-08	2.15E-08	4.69E-08
1895 ALL	577640.39	4137402.22	3.15E-08	2.57E-08	5.72E-08	2.45E-08	2.07E-08	4.52E-08
1896 ALL	577642.05	4137393.23	3.05E-08	2.49E-08	5.54E-08	2.37E-08	2.01E-08	4.38E-08
1897 ALL	577643.72	4137384.24	2.96E-08	2.42E-08	5.38E-08	2.30E-08	1.95E-08	4.25E-08
1898 ALL	577645.38	4137375.25	2.88E-08	2.36E-08	5.24E-08	2.24E-08	1.90E-08	4.14E-08
1899 ALL	577647.05	4137366.26	2.81E-08	2.30E-08	5.11E-08	2.19E-08	1.85E-08	4.04E-08
1900 ALL	577648.71	4137357.28	2.75E-08	2.25E-08	5.00E-08	2.14E-08	1.81E-08	3.95E-08
1901 ALL	577650.38	4137348.29	2.69E-08	2.20E-08	4.89E-08	2.09E-08	1.77E-08	3.86E-08
1902 ALL	577652.04	4137339.3	2.64E-08	2.16E-08	4.80E-08	2.05E-08	1.74E-08	3.79E-08
1903 ALL	577653.71	4137330.31	2.60E-08	2.12E-08	4.72E-08	2.02E-08	1.71E-08	3.73E-08
1904 ALL	577655.38	4137321.32	2.56E-08	2.09E-08	4.65E-08	1.99E-08	1.68E-08	3.68E-08
1905 ALL	577657.04	4137312.33	2.53E-08	2.07E-08	4.60E-08	1.97E-08	1.66E-08	3.63E-08
1906 ALL	577658.71	4137303.34	2.51E-08	2.05E-08	4.56E-08	1.95E-08	1.65E-08	3.60E-08
1907 ALL	577660.37	4137294.36	2.49E-08	2.04E-08	4.53E-08	1.94E-08	1.64E-08	3.58E-08
1908 ALL	577662.04	4137285.37	2.48E-08	2.03E-08	4.51E-08	1.93E-08	1.63E-08	3.56E-08
1909 ALL	577665.37	4137267.39	2.49E-08	2.03E-08	4.52E-08	1.94E-08	1.64E-08	3.57E-08
1910 ALL	577667.03	4137258.4	2.50E-08	2.05E-08	4.55E-08	1.95E-08	1.65E-08	3.60E-08
1911 ALL	577668.7	4137249.41	2.52E-08	2.06E-08	4.58E-08	1.96E-08	1.66E-08	3.62E-08
1912 ALL	577670.36	4137240.43	2.45E-08	2.00E-08	4.45E-08	1.90E-08	1.61E-08	3.51E-08
1913 ALL	577772.33	4137692.71	1.49E-07	1.21E-07	2.70E-07	1.16E-07	9.77E-08	2.14E-07
1914 ALL	577780.23	4137697.68	1.46E-07	1.19E-07	2.66E-07	1.14E-07	9.59E-08	2.10E-07

1915 ALL	577788.13	4137702.66	1.43E-07	1.17E-07	2.59E-07	1.11E-07	9.38E-08	2.05E-07
1916 ALL	577796.03	4137707.64	1.39E-07	1.13E-07	2.52E-07	1.08E-07	9.12E-08	1.99E-07
1917 ALL	577803.93	4137712.61	1.35E-07	1.10E-07	2.44E-07	1.05E-07	8.83E-08	1.93E-07
1918 ALL	577811.83	4137717.59	1.30E-07	1.06E-07	2.36E-07	1.01E-07	8.52E-08	1.86E-07
1919 ALL	577756.9	4137701.59	1.41E-07	1.15E-07	2.56E-07	1.10E-07	9.26E-08	2.02E-07
1920 ALL	577746.54	4137686.8	1.47E-07	1.20E-07	2.66E-07	1.14E-07	9.62E-08	2.10E-07
1921 ALL	577736.17	4137672.02	1.50E-07	1.22E-07	2.72E-07	1.16E-07	9.81E-08	2.14E-07
1922 ALL	577730.99	4137664.62	1.50E-07	1.22E-07	2.72E-07	1.17E-07	9.84E-08	2.15E-07
1923 ALL	577720.62	4137649.84	1.49E-07	1.22E-07	2.71E-07	1.16E-07	9.80E-08	2.14E-07
1924 ALL	577710.26	4137635.05	1.46E-07	1.19E-07	2.65E-07	1.13E-07	9.56E-08	2.09E-07
1925 ALL	577699.9	4137620.27	1.39E-07	1.13E-07	2.52E-07	1.08E-07	9.10E-08	1.99E-07
1926 ALL	577689.53	4137605.48	1.29E-07	1.05E-07	2.35E-07	1.01E-07	8.48E-08	1.85E-07
1927 ALL	577684.35	4137598.09	1.24E-07	1.01E-07	2.25E-07	9.63E-08	8.12E-08	1.78E-07
1928 ALL	577673.98	4137583.31	1.12E-07	9.11E-08	2.03E-07	8.70E-08	7.33E-08	1.60E-07
1929 ALL	577663.62	4137568.52	9.90E-08	8.07E-08	1.80E-07	7.70E-08	6.49E-08	1.42E-07
1930 ALL	577653.25	4137553.74	8.64E-08	7.04E-08	1.57E-07	6.72E-08	5.67E-08	1.24E-07
1931 ALL	577627.34	4137516.77	5.93E-08	4.84E-08	1.08E-07	4.61E-08	3.89E-08	8.51E-08
1932 ALL	577616.98	4137501.99	5.07E-08	4.13E-08	9.20E-08	3.94E-08	3.33E-08	7.27E-08
1933 ALL	577611.8	4137494.6	4.68E-08	3.81E-08	8.49E-08	3.64E-08	3.07E-08	6.71E-08
1934 ALL	577608.26	4137478.33	4.12E-08	3.36E-08	7.48E-08	3.20E-08	2.70E-08	5.91E-08
1935 ALL	577611.55	4137460.57	3.75E-08	3.06E-08	6.81E-08	2.92E-08	2.46E-08	5.38E-08
1936 ALL	577614.83	4137442.82	3.42E-08	2.79E-08	6.22E-08	2.66E-08	2.25E-08	4.91E-08
1937 ALL	577618.12	4137425.06	3.16E-08	2.58E-08	5.73E-08	2.46E-08	2.07E-08	4.53E-08
1938 ALL	577621.41	4137407.31	2.93E-08	2.39E-08	5.33E-08	2.28E-08	1.93E-08	4.21E-08
1939 ALL	577624.7	4137389.55	2.75E-08	2.25E-08	5.00E-08	2.14E-08	1.81E-08	3.95E-08
1940 ALL	577627.99	4137371.8	2.61E-08	2.14E-08	4.75E-08	2.03E-08	1.72E-08	3.75E-08
1941 ALL	577631.28	4137354.05	2.50E-08	2.04E-08	4.54E-08	1.94E-08	1.64E-08	3.59E-08
1942 ALL	577634.57	4137336.29	2.41E-08	1.97E-08	4.38E-08	1.87E-08	1.58E-08	3.46E-08
1943 ALL	577637.86	4137318.54	2.34E-08	1.91E-08	4.26E-08	1.82E-08	1.54E-08	3.36E-08
1944 ALL	577641.14	4137300.78	2.29E-08	1.87E-08	4.16E-08	1.78E-08	1.51E-08	3.29E-08
1945 ALL	577644.43	4137283.03	2.15E-08	1.75E-08	3.90E-08	1.67E-08	1.41E-08	3.08E-08
1946 ALL	577647.72	4137265.28	2.11E-08	1.73E-08	3.84E-08	1.64E-08	1.39E-08	3.03E-08
1947 ALL	577651.01	4137247.52	2.08E-08	1.70E-08	3.77E-08	1.62E-08	1.36E-08	2.98E-08
1948 ALL	577762.08	4137708.98	1.38E-07	1.12E-07	2.50E-07	1.07E-07	9.02E-08	1.97E-07
1949 ALL	577769.98	4137713.95	1.35E-07	1.10E-07	2.45E-07	1.05E-07	8.86E-08	1.94E-07
1950 ALL	577777.88	4137718.93	1.32E-07	1.08E-07	2.40E-07	1.03E-07	8.66E-08	1.89E-07
1951 ALL	577785.78	4137723.91	1.29E-07	1.05E-07	2.33E-07	1.00E-07	8.43E-08	1.84E-07
1952 ALL	577793.68	4137728.88	1.25E-07	1.02E-07	2.26E-07	9.70E-08	8.18E-08	1.79E-07
1953 ALL	577801.58	4137733.86	1.20E-07	9.82E-08	2.19E-07	9.37E-08	7.90E-08	1.73E-07
1954 ALL	578007.4	4137449.11	8.63E-07	7.04E-07	1.57E-06	6.71E-07	5.66E-07	1.24E-06
1955 ALL	578014.86	4137453.43	6.89E-07	5.62E-07	1.25E-06	5.36E-07	4.52E-07	9.88E-07
1956 ALL	578023.89	4137456.18	5.74E-07	4.68E-07	1.04E-06	4.47E-07	3.77E-07	8.23E-07
1957 ALL	578089.86	4137414.17	6.95E-07	5.66E-07	1.26E-06	5.41E-07	4.56E-07	9.96E-07
1958 ALL	578096.54	4137405.92	7.33E-07	5.97E-07	1.33E-06	5.70E-07	4.81E-07	1.05E-06
1959 ALL	578074.15	4137443.22	4.83E-07	3.94E-07	8.77E-07	3.76E-07	3.17E-07	6.93E-07
1960 ALL	578117.48	4137204.4	8.03E-07	6.55E-07	1.46E-06	6.25E-07	5.27E-07	1.15E-06
1961 ALL	578124.08	4137207.19	7.76E-07	6.32E-07	1.41E-06	6.03E-07	5.09E-07	1.11E-06
1962 ALL	578145.66	4137220.14	6.81E-07	5.55E-07	1.24E-06	5.30E-07	4.47E-07	9.77E-07
1963 ALL	578109.86	4137189.67	7.68E-07	6.26E-07	1.39E-06	5.98E-07	5.04E-07	1.10E-06

REC ID	X	y	Max Cancer Risk 5.25E-03			Updated Max Cancer Risk 4.08E-03		
			MAX HI yr 1	MAX HI Yr 2	Max HI	MAX HI yr 1	MAX HI Yr 2	Max HI
1 ALL	578053.02	4137356.55	4.69E-03	3.82E-03	0.0046852	3.64E-03	3.07E-03	0.0036446
2 ALL	578010.01	4137440.77	1.53E-03	1.25E-03	0.0015312	1.19E-03	1.01E-03	0.0011911
3 ALL	578015.15	4137432.89	1.84E-03	1.50E-03	0.0018367	1.43E-03	1.21E-03	0.0014288
4 ALL	578020.29	4137425.02	2.15E-03	1.75E-03	0.0021505	1.67E-03	1.41E-03	0.0016729
5 ALL	578025.42	4137417.14	2.43E-03	1.98E-03	0.002434	1.89E-03	1.60E-03	0.0018934
6 ALL	578030.56	4137409.27	2.68E-03	2.18E-03	0.0026769	2.08E-03	1.76E-03	0.0020824
7 ALL	578035.7	4137401.39	2.88E-03	2.35E-03	0.0028792	2.24E-03	1.89E-03	0.0022397
8 ALL	578040.84	4137393.52	3.05E-03	2.48E-03	0.003045	2.37E-03	2.00E-03	0.0023687
9 ALL	578045.98	4137385.64	3.18E-03	2.59E-03	0.0031777	2.47E-03	2.08E-03	0.0024719
10 ALL	578051.12	4137377.77	3.28E-03	2.67E-03	0.0032821	2.55E-03	2.15E-03	0.0025531
11 ALL	578056.26	4137369.89	3.36E-03	2.74E-03	0.0033591	2.61E-03	2.20E-03	0.002613
12 ALL	578061.39	4137362.02	3.41E-03	2.78E-03	0.0034136	2.66E-03	2.24E-03	0.0026554
13 ALL	577987.06	4137465.71	1.22E-03	9.91E-04	0.0012156	9.46E-04	7.98E-04	0.0009456
14 ALL	578018.38	4137446.23	1.14E-03	9.30E-04	0.0011404	8.87E-04	7.49E-04	0.0008871
15 ALL	578023.52	4137438.36	1.34E-03	1.09E-03	0.0013375	1.04E-03	8.78E-04	0.0010404
16 ALL	578028.66	4137430.48	1.55E-03	1.27E-03	0.0015549	1.21E-03	1.02E-03	0.0012096
17 ALL	578033.8	4137422.61	1.77E-03	1.44E-03	0.0017651	1.37E-03	1.16E-03	0.0013731
18 ALL	578038.94	4137414.73	1.95E-03	1.59E-03	0.001954	1.52E-03	1.28E-03	0.00152
19 ALL	578044.08	4137406.86	2.12E-03	1.73E-03	0.0021165	1.65E-03	1.39E-03	0.0016464
20 ALL	578049.21	4137398.98	2.26E-03	1.84E-03	0.0022576	1.76E-03	1.48E-03	0.0017562
21 ALL	578054.35	4137391.11	2.38E-03	1.94E-03	0.0023757	1.85E-03	1.56E-03	0.001848
22 ALL	578059.49	4137383.23	2.48E-03	2.02E-03	0.0024755	1.93E-03	1.62E-03	0.0019257
23 ALL	578064.63	4137375.36	2.56E-03	2.09E-03	0.0025585	1.99E-03	1.68E-03	0.0019902
24 ALL	578069.77	4137367.48	2.63E-03	2.14E-03	0.002625	2.04E-03	1.72E-03	0.002042
25 ALL	578002.9	4137472.48	7.96E-04	6.49E-04	0.0007956	6.19E-04	5.22E-04	0.0006189
26 ALL	577989.2	4137475.48	9.53E-04	7.77E-04	0.0009526	7.41E-04	6.25E-04	0.000741
27 ALL	577974.27	4137472.86	1.29E-03	1.05E-03	0.0012879	1.00E-03	8.45E-04	0.0010019
28 ALL	578026.76	4137451.7	8.86E-04	7.23E-04	0.0008863	6.89E-04	5.82E-04	0.0006894
29 ALL	578031.9	4137443.82	1.02E-03	8.35E-04	0.0010233	7.96E-04	6.72E-04	0.000796
30 ALL	578037.03	4137435.95	1.18E-03	9.64E-04	0.001182	9.19E-04	7.76E-04	0.0009195
31 ALL	578042.17	4137428.07	1.34E-03	1.10E-03	0.0013435	1.05E-03	8.82E-04	0.0010451
32 ALL	578047.31	4137420.2	1.49E-03	1.22E-03	0.0014945	1.16E-03	9.80E-04	0.0011626
33 ALL	578052.45	4137412.32	1.63E-03	1.33E-03	0.0016296	1.27E-03	1.07E-03	0.0012677
34 ALL	578057.59	4137404.45	1.75E-03	1.43E-03	0.0017488	1.36E-03	1.15E-03	0.0013604
35 ALL	578062.73	4137396.57	1.85E-03	1.51E-03	0.0018537	1.44E-03	1.22E-03	0.001442
36 ALL	578067.87	4137388.7	1.95E-03	1.59E-03	0.0019493	1.52E-03	1.28E-03	0.0015164
37 ALL	578073.01	4137380.82	2.03E-03	1.65E-03	0.0020299	1.58E-03	1.33E-03	0.0015791
38 ALL	578078.14	4137372.95	2.09E-03	1.70E-03	0.0020919	1.63E-03	1.37E-03	0.0016273
39 ALL	578011.28	4137477.95	6.35E-04	5.18E-04	0.0006346	4.94E-04	4.17E-04	0.0004937
40 ALL	577991.33	4137485.25	7.68E-04	6.26E-04	0.0007679	5.97E-04	5.04E-04	0.0005974
41 ALL	577976.4	4137482.63	1.02E-03	8.30E-04	0.0010176	7.92E-04	6.68E-04	0.0007916
42 ALL	578015.91	4137485.99	5.24E-04	4.28E-04	0.0005244	4.08E-04	3.44E-04	0.0004079
43 ALL	578008.42	4137491.16	5.38E-04	4.39E-04	0.0005382	4.19E-04	3.53E-04	0.0004187
44 ALL	577991.98	4137494.76	6.50E-04	5.30E-04	0.0006499	5.06E-04	4.26E-04	0.0005055
45 ALL	577983.02	4137493.19	7.62E-04	6.21E-04	0.0007618	5.93E-04	5.00E-04	0.0005926
46 ALL	577974.06	4137491.62	8.87E-04	7.23E-04	0.0008872	6.90E-04	5.82E-04	0.0006901
47 ALL	577965.1	4137490.05	1.02E-03	8.29E-04	0.0010166	7.91E-04	6.67E-04	0.0007908
48 ALL	577994.36	4137504.57	5.44E-04	4.43E-04	0.0005437	4.23E-04	3.57E-04	0.0004229
49 ALL	577976.94	4137501.52	7.22E-04	5.89E-04	0.0007222	5.62E-04	4.74E-04	0.0005618
50 ALL	577959.52	4137498.47	9.23E-04	7.52E-04	0.0009226	7.18E-04	6.05E-04	0.0007177
51 ALL	578047.99	4137486.35	3.75E-04	3.06E-04	0.000375	2.92E-04	2.46E-04	0.0002917
52 ALL	577996.68	4137514.37	4.63E-04	3.77E-04	0.0004627	3.60E-04	3.04E-04	0.0003599
53 ALL	577979.61	4137511.38	6.01E-04	4.90E-04	0.0006012	4.68E-04	3.94E-04	0.0004677
54 ALL	577962.55	4137508.39	7.62E-04	6.21E-04	0.0007619	5.93E-04	5.00E-04	0.0005927
55 ALL	578060.26	4137473.55	4.26E-04	3.47E-04	0.0004255	3.31E-04	2.79E-04	0.000331
56 ALL	578065.39	4137465.68	4.76E-04	3.88E-04	0.000476	3.70E-04	3.12E-04	0.0003703
57 ALL	578070.53	4137457.81	5.36E-04	4.37E-04	0.0005357	4.17E-04	3.52E-04	0.0004167
58 ALL	578075.67	4137449.93	6.02E-04	4.91E-04	0.0006023	4.69E-04	3.95E-04	0.0004685

59 ALL	578080.81	4137442.06	6.73E-04	5.48E-04	0.0006727	5.23E-04	4.41E-04	0.0005233
60 ALL	578085.95	4137434.18	7.44E-04	6.06E-04	0.0007439	5.79E-04	4.88E-04	0.0005787
61 ALL	578091.09	4137426.31	8.13E-04	6.63E-04	0.0008131	6.32E-04	5.33E-04	0.0006325
62 ALL	578096.23	4137418.43	8.79E-04	7.16E-04	0.0008788	6.84E-04	5.76E-04	0.0006836
63 ALL	578101.37	4137410.56	9.39E-04	7.65E-04	0.0009387	7.30E-04	6.16E-04	0.0007302
64 ALL	578106.5	4137402.68	9.91E-04	8.08E-04	0.0009909	7.71E-04	6.50E-04	0.0007708
65 ALL	578111.64	4137394.81	1.03E-03	8.42E-04	0.0010334	8.04E-04	6.78E-04	0.0008039
66 ALL	578056.47	4137491.74	3.27E-04	2.67E-04	0.0003268	2.54E-04	2.15E-04	0.0002542
67 ALL	578042.44	4137501.42	3.20E-04	2.61E-04	0.0003205	2.49E-04	2.10E-04	0.0002493
68 ALL	578028.4	4137511.11	3.28E-04	2.68E-04	0.0003282	2.55E-04	2.15E-04	0.0002553
69 ALL	577982.15	4137521.22	5.09E-04	4.15E-04	0.0005089	3.96E-04	3.34E-04	0.0003959
70 ALL	577965.35	4137518.28	6.38E-04	5.20E-04	0.0006383	4.97E-04	4.19E-04	0.0004965
71 ALL	577948.55	4137515.33	7.67E-04	6.25E-04	0.0007671	5.97E-04	5.03E-04	0.0005967
72 ALL	578068.63	4137479.02	3.70E-04	3.02E-04	0.0003705	2.88E-04	2.43E-04	0.0002882
73 ALL	578073.77	4137471.15	4.12E-04	3.36E-04	0.0004124	3.21E-04	2.71E-04	0.0003208
74 ALL	578078.91	4137463.27	4.62E-04	3.77E-04	0.0004617	3.59E-04	3.03E-04	0.0003592
75 ALL	578084.05	4137455.4	5.17E-04	4.21E-04	0.0005168	4.02E-04	3.39E-04	0.000402
76 ALL	578089.19	4137447.52	5.76E-04	4.69E-04	0.0005758	4.48E-04	3.78E-04	0.0004479
77 ALL	578094.32	4137439.65	6.37E-04	5.19E-04	0.0006365	4.95E-04	4.18E-04	0.0004952
78 ALL	578099.46	4137431.77	6.97E-04	5.68E-04	0.000697	5.42E-04	4.57E-04	0.0005422
79 ALL	578104.6	4137423.9	7.55E-04	6.15E-04	0.0007547	5.87E-04	4.95E-04	0.0005871
80 ALL	578109.74	4137416.02	8.08E-04	6.59E-04	0.0008081	6.29E-04	5.30E-04	0.0006286
81 ALL	578114.88	4137408.15	8.56E-04	6.97E-04	0.0008556	6.66E-04	5.61E-04	0.0006655
82 ALL	578120.02	4137400.27	8.95E-04	7.29E-04	0.0008948	6.96E-04	5.87E-04	0.0006961
83 ALL	578064.93	4137497.14	2.88E-04	2.35E-04	0.0002884	2.24E-04	1.89E-04	0.0002244
84 ALL	578051.07	4137506.71	2.81E-04	2.29E-04	0.0002806	2.18E-04	1.84E-04	0.0002183
85 ALL	578037.21	4137516.27	2.84E-04	2.32E-04	0.0002844	2.21E-04	1.87E-04	0.0002212
86 ALL	578023.34	4137525.84	2.96E-04	2.42E-04	0.0002963	2.30E-04	1.94E-04	0.0002305
87 ALL	577968	4137528.14	5.42E-04	4.42E-04	0.0005421	4.22E-04	3.56E-04	0.0004217
88 ALL	577951.41	4137525.23	6.52E-04	5.31E-04	0.0006518	5.07E-04	4.28E-04	0.000507
89 ALL	578077.01	4137484.48	3.27E-04	2.67E-04	0.0003268	2.54E-04	2.15E-04	0.0002542
90 ALL	578082.14	4137476.61	3.62E-04	2.95E-04	0.0003621	2.82E-04	2.38E-04	0.0002816
91 ALL	578087.28	4137468.74	4.03E-04	3.29E-04	0.000403	3.14E-04	2.64E-04	0.0003135
92 ALL	578092.42	4137460.86	4.49E-04	3.66E-04	0.0004493	3.50E-04	2.95E-04	0.0003495
93 ALL	578097.56	4137452.99	4.99E-04	4.07E-04	0.0004994	3.89E-04	3.28E-04	0.0003885
94 ALL	578102.7	4137445.11	5.52E-04	4.50E-04	0.0005516	4.29E-04	3.62E-04	0.0004291
95 ALL	578107.84	4137437.24	6.04E-04	4.92E-04	0.0006038	4.70E-04	3.96E-04	0.0004697
96 ALL	578112.98	4137429.36	6.55E-04	5.33E-04	0.0006545	5.09E-04	4.29E-04	0.0005091
97 ALL	578118.11	4137421.49	7.02E-04	5.72E-04	0.000702	5.46E-04	4.60E-04	0.0005461
98 ALL	578123.25	4137413.61	7.45E-04	6.07E-04	0.0007449	5.79E-04	4.88E-04	0.0005795
99 ALL	578128.39	4137405.74	7.81E-04	6.36E-04	0.000781	6.08E-04	5.12E-04	0.0006076
100 ALL	578133.53	4137397.86	8.10E-04	6.60E-04	0.0008098	6.30E-04	5.31E-04	0.00063
101 ALL	578080.53	4137508	2.33E-04	1.90E-04	0.0002335	1.82E-04	1.53E-04	0.0001816
102 ALL	578073.09	4137513.13	2.28E-04	1.86E-04	0.0002276	1.77E-04	1.49E-04	0.000177
103 ALL	578058.22	4137523.4	2.23E-04	1.82E-04	0.0002232	1.74E-04	1.47E-04	0.0001737
104 ALL	578043.34	4137533.66	2.28E-04	1.86E-04	0.0002276	1.77E-04	1.49E-04	0.000177
105 ALL	578087.97	4137502.87	2.42E-04	1.97E-04	0.0002418	1.88E-04	1.59E-04	0.0001881
106 ALL	578093.11	4137494.99	2.64E-04	2.15E-04	0.0002639	2.05E-04	1.73E-04	0.0002053
107 ALL	578098.25	4137487.12	2.90E-04	2.37E-04	0.00029	2.26E-04	1.90E-04	0.0002256
108 ALL	578103.39	4137479.24	3.20E-04	2.61E-04	0.0003204	2.49E-04	2.10E-04	0.0002492
109 ALL	578108.53	4137471.37	3.54E-04	2.89E-04	0.0003544	2.76E-04	2.33E-04	0.0002757
110 ALL	578113.66	4137463.5	3.91E-04	3.19E-04	0.0003915	3.05E-04	2.57E-04	0.0003045
111 ALL	578118.8	4137455.62	4.31E-04	3.51E-04	0.0004306	3.35E-04	2.82E-04	0.000335
112 ALL	578123.94	4137447.75	4.70E-04	3.83E-04	0.0004704	3.66E-04	3.09E-04	0.0003659
113 ALL	578129.08	4137439.87	5.09E-04	4.15E-04	0.0005095	3.96E-04	3.34E-04	0.0003963
114 ALL	578134.22	4137432	5.47E-04	4.46E-04	0.0005468	4.25E-04	3.59E-04	0.0004253
115 ALL	578139.36	4137424.12	5.81E-04	4.74E-04	0.0005815	4.52E-04	3.81E-04	0.0004523
116 ALL	578144.5	4137416.25	6.12E-04	4.99E-04	0.0006123	4.76E-04	4.02E-04	0.0004763
117 ALL	578149.64	4137408.37	6.38E-04	5.20E-04	0.0006384	4.97E-04	4.19E-04	0.0004966

118 ALL	578096.88	4137518.34	1.95E-04	1.59E-04	0.0001946	1.51E-04	1.28E-04	0.0001514
119 ALL	578082.48	4137528.28	1.86E-04	1.51E-04	0.0001856	1.44E-04	1.22E-04	0.0001443
120 ALL	578039.29	4137558.08	1.92E-04	1.57E-04	0.0001923	1.50E-04	1.26E-04	0.0001496
121 ALL	578024.89	4137568.01	2.02E-04	1.65E-04	0.000202	1.57E-04	1.33E-04	0.0001571
122 ALL	578009.08	4137571.47	2.28E-04	1.86E-04	0.0002276	1.77E-04	1.49E-04	0.000177
123 ALL	577991.85	4137568.45	2.75E-04	2.24E-04	0.0002751	2.14E-04	1.81E-04	0.000214
124 ALL	577974.63	4137565.43	3.32E-04	2.70E-04	0.0003316	2.58E-04	2.18E-04	0.000258
125 ALL	577957.4	4137562.41	3.94E-04	3.21E-04	0.0003937	3.06E-04	2.58E-04	0.0003063
126 ALL	577940.17	4137559.39	4.57E-04	3.72E-04	0.0004567	3.55E-04	3.00E-04	0.0003553
127 ALL	577922.94	4137556.38	5.15E-04	4.20E-04	0.0005147	4.00E-04	3.38E-04	0.0004004
128 ALL	578109.22	4137505.5	2.19E-04	1.78E-04	0.0002185	1.70E-04	1.43E-04	0.00017
129 ALL	578114.35	4137497.63	2.39E-04	1.95E-04	0.0002386	1.86E-04	1.57E-04	0.0001856
130 ALL	578119.49	4137489.75	2.62E-04	2.14E-04	0.0002618	2.04E-04	1.72E-04	0.0002037
131 ALL	578124.63	4137481.88	2.88E-04	2.35E-04	0.0002878	2.24E-04	1.89E-04	0.0002239
132 ALL	578129.77	4137474	3.16E-04	2.58E-04	0.000316	2.46E-04	2.07E-04	0.0002458
133 ALL	578134.91	4137466.13	3.46E-04	2.82E-04	0.0003456	2.69E-04	2.27E-04	0.0002688
134 ALL	578140.05	4137458.26	3.76E-04	3.07E-04	0.0003761	2.93E-04	2.47E-04	0.0002926
135 ALL	578145.19	4137450.38	4.07E-04	3.32E-04	0.0004068	3.16E-04	2.67E-04	0.0003165
136 ALL	578150.32	4137442.51	4.37E-04	3.56E-04	0.0004367	3.40E-04	2.86E-04	0.0003397
137 ALL	578155.46	4137434.63	4.65E-04	3.79E-04	0.000465	3.62E-04	3.05E-04	0.0003618
138 ALL	578160.6	4137426.76	4.91E-04	4.00E-04	0.000491	3.82E-04	3.22E-04	0.000382
139 ALL	578165.74	4137418.88	5.14E-04	4.19E-04	0.0005141	4.00E-04	3.37E-04	0.0003999
140 ALL	578105.05	4137534.33	1.60E-04	1.31E-04	0.00016	1.24E-04	1.05E-04	0.0001245
141 ALL	578067.21	4137560.44	1.54E-04	1.26E-04	0.0001539	1.20E-04	1.01E-04	0.0001197
142 ALL	578059.64	4137565.66	1.56E-04	1.27E-04	0.0001557	1.21E-04	1.02E-04	0.0001211
143 ALL	578052.07	4137570.88	1.58E-04	1.29E-04	0.0001582	1.23E-04	1.04E-04	0.0001231
144 ALL	578044.51	4137576.1	1.61E-04	1.32E-04	0.0001614	1.26E-04	1.06E-04	0.0001256
145 ALL	578036.94	4137581.32	1.65E-04	1.35E-04	0.0001652	1.29E-04	1.08E-04	0.0001285
146 ALL	578029.37	4137586.54	1.69E-04	1.38E-04	0.0001694	1.32E-04	1.11E-04	0.0001318
147 ALL	578012.75	4137590.18	1.90E-04	1.55E-04	0.00019	1.48E-04	1.25E-04	0.0001478
148 ALL	578003.69	4137588.59	2.08E-04	1.70E-04	0.0002082	1.62E-04	1.37E-04	0.0001619
149 ALL	577994.64	4137587	2.28E-04	1.86E-04	0.0002283	1.78E-04	1.50E-04	0.0001776
150 ALL	577985.58	4137585.42	2.50E-04	2.04E-04	0.0002501	1.95E-04	1.64E-04	0.0001946
151 ALL	577976.52	4137583.83	2.74E-04	2.23E-04	0.0002736	2.13E-04	1.80E-04	0.0002129
152 ALL	577967.47	4137582.24	2.98E-04	2.43E-04	0.0002982	2.32E-04	1.96E-04	0.000232
153 ALL	577958.41	4137580.66	3.23E-04	2.64E-04	0.0003234	2.52E-04	2.12E-04	0.0002516
154 ALL	577949.36	4137579.07	3.49E-04	2.85E-04	0.0003492	2.72E-04	2.29E-04	0.0002716
155 ALL	577940.3	4137577.49	3.75E-04	3.06E-04	0.000375	2.92E-04	2.46E-04	0.0002917
156 ALL	577931.24	4137575.9	4.01E-04	3.27E-04	0.000401	3.12E-04	2.63E-04	0.0003119
157 ALL	577922.19	4137574.31	4.26E-04	3.47E-04	0.0004256	3.31E-04	2.79E-04	0.000331
158 ALL	577913.13	4137572.73	4.48E-04	3.65E-04	0.0004479	3.48E-04	2.94E-04	0.0003484
159 ALL	578099.5	4137559.78	1.31E-04	1.07E-04	0.0001306	1.02E-04	8.57E-05	0.0001016
160 ALL	578084.78	4137569.93	1.30E-04	1.06E-04	0.0001298	1.01E-04	8.52E-05	0.000101
161 ALL	578070.06	4137580.09	1.32E-04	1.07E-04	0.0001317	1.02E-04	8.65E-05	0.0001024
162 ALL	578062.7	4137585.17	1.33E-04	1.09E-04	0.0001334	1.04E-04	8.75E-05	0.0001037
163 ALL	578047.99	4137595.32	1.38E-04	1.13E-04	0.0001383	1.08E-04	9.08E-05	0.0001076
164 ALL	578040.63	4137600.4	1.41E-04	1.15E-04	0.0001412	1.10E-04	9.27E-05	0.0001098
165 ALL	578017.11	4137609.01	1.60E-04	1.30E-04	0.0001599	1.24E-04	1.05E-04	0.0001244
166 ALL	577999.49	4137605.92	1.89E-04	1.54E-04	0.0001885	1.47E-04	1.24E-04	0.0001466
167 ALL	577981.88	4137602.84	2.22E-04	1.81E-04	0.0002223	1.73E-04	1.46E-04	0.0001729
168 ALL	577964.27	4137599.75	2.60E-04	2.12E-04	0.0002599	2.02E-04	1.71E-04	0.0002022
169 ALL	577946.66	4137596.67	2.99E-04	2.44E-04	0.0002994	2.33E-04	1.96E-04	0.0002329
170 ALL	577929.05	4137593.58	3.40E-04	2.77E-04	0.0003399	2.64E-04	2.23E-04	0.0002644
171 ALL	577911.44	4137590.5	3.78E-04	3.08E-04	0.0003782	2.94E-04	2.48E-04	0.0002942
172 ALL	578151.7	4137510.77	1.87E-04	1.52E-04	0.0001867	1.45E-04	1.23E-04	0.0001453
173 ALL	578156.84	4137502.9	2.03E-04	1.65E-04	0.0002029	1.58E-04	1.33E-04	0.0001578
174 ALL	578161.98	4137495.02	2.20E-04	1.80E-04	0.0002204	1.71E-04	1.45E-04	0.0001714
175 ALL	578167.12	4137487.15	2.39E-04	1.95E-04	0.0002389	1.86E-04	1.57E-04	0.0001859
176 ALL	578172.26	4137479.27	2.58E-04	2.10E-04	0.0002582	2.01E-04	1.69E-04	0.0002008



177 ALL	578177.4	4137471.4	2.78E-04	2.26E-04	0.0002777	2.16E-04	1.82E-04	0.0002161
178 ALL	578182.53	4137463.53	2.97E-04	2.42E-04	0.0002972	2.31E-04	1.95E-04	0.0002312
179 ALL	578187.67	4137455.65	3.16E-04	2.58E-04	0.0003162	2.46E-04	2.07E-04	0.0002459
180 ALL	578192.81	4137447.78	3.34E-04	2.72E-04	0.0003341	2.60E-04	2.19E-04	0.0002599
181 ALL	578129.45	4137560.74	1.17E-04	9.58E-05	0.0001174	9.13E-05	7.71E-05	9.135E-05
182 ALL	578121.8	4137566.01	1.15E-04	9.38E-05	0.000115	8.95E-05	7.55E-05	8.947E-05
183 ALL	578114.15	4137571.29	1.13E-04	9.25E-05	0.0001133	8.82E-05	7.44E-05	8.816E-05
184 ALL	578106.5	4137576.57	1.12E-04	9.17E-05	0.0001123	8.74E-05	7.38E-05	8.739E-05
185 ALL	578098.85	4137581.84	1.12E-04	9.14E-05	0.000112	8.71E-05	7.35E-05	8.712E-05
186 ALL	578091.21	4137587.12	1.12E-04	9.15E-05	0.0001122	8.73E-05	7.37E-05	8.727E-05
187 ALL	578083.56	4137592.4	1.13E-04	9.21E-05	0.0001129	8.78E-05	7.41E-05	8.782E-05
188 ALL	578075.91	4137597.68	1.14E-04	9.30E-05	0.000114	8.87E-05	7.49E-05	8.87E-05
189 ALL	578068.26	4137602.95	1.16E-04	9.43E-05	0.0001156	8.99E-05	7.59E-05	8.989E-05
190 ALL	578060.61	4137608.23	1.17E-04	9.58E-05	0.0001174	9.13E-05	7.71E-05	9.134E-05
191 ALL	578052.96	4137613.51	1.20E-04	9.76E-05	0.0001196	9.30E-05	7.85E-05	9.303E-05
192 ALL	578045.32	4137618.78	1.22E-04	9.95E-05	0.000122	9.49E-05	8.01E-05	9.488E-05
193 ALL	578037.67	4137624.06	1.25E-04	1.02E-04	0.0001246	9.69E-05	8.18E-05	9.693E-05
194 ALL	578020.87	4137627.73	1.38E-04	1.12E-04	0.0001375	1.07E-04	9.03E-05	0.000107
195 ALL	578011.71	4137626.13	1.49E-04	1.21E-04	0.0001488	1.16E-04	9.76E-05	0.0001157
196 ALL	578002.56	4137624.53	1.61E-04	1.31E-04	0.0001611	1.25E-04	1.06E-04	0.0001253
197 ALL	577993.41	4137622.92	1.75E-04	1.42E-04	0.0001745	1.36E-04	1.15E-04	0.0001358
198 ALL	577984.26	4137621.32	1.89E-04	1.54E-04	0.0001889	1.47E-04	1.24E-04	0.000147
199 ALL	577975.1	4137619.72	2.04E-04	1.66E-04	0.0002042	1.59E-04	1.34E-04	0.0001588
200 ALL	577965.95	4137618.11	2.20E-04	1.79E-04	0.0002201	1.71E-04	1.44E-04	0.0001712
201 ALL	577956.8	4137616.51	2.37E-04	1.93E-04	0.0002366	1.84E-04	1.55E-04	0.000184
202 ALL	577947.65	4137614.91	2.53E-04	2.07E-04	0.0002534	1.97E-04	1.66E-04	0.0001971
203 ALL	577938.49	4137613.3	2.70E-04	2.20E-04	0.0002704	2.10E-04	1.77E-04	0.0002104
204 ALL	577929.34	4137611.7	2.88E-04	2.34E-04	0.0002875	2.24E-04	1.89E-04	0.0002237
205 ALL	577920.19	4137610.1	3.04E-04	2.48E-04	0.0003044	2.37E-04	2.00E-04	0.0002368
206 ALL	577911.04	4137608.49	3.21E-04	2.61E-04	0.0003208	2.50E-04	2.10E-04	0.0002495
207 ALL	577901.88	4137606.89	3.37E-04	2.74E-04	0.0003365	2.62E-04	2.21E-04	0.0002618
208 ALL	577892.73	4137605.29	3.51E-04	2.86E-04	0.000351	2.73E-04	2.30E-04	0.000273
209 ALL	578157.53	4137537.03	1.39E-04	1.13E-04	0.0001387	1.08E-04	9.11E-05	0.0001079
210 ALL	578162.67	4137529.16	1.49E-04	1.22E-04	0.0001495	1.16E-04	9.81E-05	0.0001163
211 ALL	578167.81	4137521.28	1.62E-04	1.32E-04	0.0001615	1.26E-04	1.06E-04	0.0001256
212 ALL	578172.95	4137513.41	1.75E-04	1.42E-04	0.0001747	1.36E-04	1.15E-04	0.0001359
213 ALL	578178.09	4137505.53	1.89E-04	1.54E-04	0.0001889	1.47E-04	1.24E-04	0.000147
214 ALL	578183.22	4137497.66	2.04E-04	1.66E-04	0.000204	1.59E-04	1.34E-04	0.0001587
215 ALL	578188.36	4137489.78	2.20E-04	1.79E-04	0.0002197	1.71E-04	1.44E-04	0.0001709
216 ALL	578193.5	4137481.91	2.36E-04	1.92E-04	0.0002357	1.83E-04	1.55E-04	0.0001833
217 ALL	578198.64	4137474.03	2.52E-04	2.05E-04	0.0002517	1.96E-04	1.65E-04	0.0001958
218 ALL	578203.78	4137466.16	2.67E-04	2.18E-04	0.0002674	2.08E-04	1.75E-04	0.000208
219 ALL	578208.92	4137458.29	2.82E-04	2.30E-04	0.0002824	2.20E-04	1.85E-04	0.0002197
220 ALL	578161.03	4137560.57	1.10E-04	9.00E-05	0.0001103	8.58E-05	7.24E-05	8.582E-05
221 ALL	578153.57	4137565.72	1.07E-04	8.72E-05	0.0001069	8.31E-05	7.02E-05	8.313E-05
222 ALL	578138.64	4137576.02	1.02E-04	8.30E-05	0.0001017	7.91E-05	6.68E-05	7.909E-05
223 ALL	578131.17	4137581.17	9.99E-05	8.15E-05	9.995E-05	7.77E-05	6.56E-05	7.775E-05
224 ALL	578123.71	4137586.32	9.88E-05	8.06E-05	9.876E-05	7.68E-05	6.48E-05	7.683E-05
225 ALL	578116.24	4137591.47	9.81E-05	8.00E-05	9.808E-05	7.63E-05	6.44E-05	7.63E-05
226 ALL	578108.78	4137596.62	9.78E-05	7.98E-05	9.784E-05	7.61E-05	6.42E-05	7.611E-05
227 ALL	578101.31	4137601.77	9.80E-05	8.00E-05	9.8E-05	7.62E-05	6.43E-05	7.623E-05
228 ALL	578093.85	4137606.92	9.85E-05	8.04E-05	9.851E-05	7.66E-05	6.47E-05	7.663E-05
229 ALL	578086.38	4137612.07	9.93E-05	8.10E-05	9.933E-05	7.73E-05	6.52E-05	7.727E-05
230 ALL	578078.92	4137617.22	1.00E-04	8.19E-05	0.0001004	7.81E-05	6.59E-05	7.812E-05
231 ALL	578071.45	4137622.37	1.02E-04	8.30E-05	0.0001017	7.91E-05	6.68E-05	7.911E-05
232 ALL	578063.99	4137627.52	1.03E-04	8.42E-05	0.0001032	8.03E-05	6.77E-05	8.028E-05
233 ALL	578056.52	4137632.67	1.05E-04	8.56E-05	0.0001049	8.16E-05	6.89E-05	8.162E-05
234 ALL	578041.59	4137642.97	1.09E-04	8.89E-05	0.000109	8.48E-05	7.16E-05	8.481E-05
235 ALL	578025.19	4137646.56	1.19E-04	9.73E-05	0.0001193	9.28E-05	7.83E-05	9.28E-05

236 ALL	578016.26	4137644.99	1.28E-04	1.04E-04	0.0001281	9.96E-05	8.40E-05	9.963E-05
237 ALL	578007.33	4137643.43	1.38E-04	1.12E-04	0.0001377	1.07E-04	9.04E-05	0.0001071
238 ALL	577998.39	4137641.86	1.48E-04	1.21E-04	0.0001481	1.15E-04	9.72E-05	0.0001152
239 ALL	577989.46	4137640.3	1.59E-04	1.30E-04	0.0001593	1.24E-04	1.05E-04	0.0001239
240 ALL	577980.53	4137638.73	1.71E-04	1.40E-04	0.0001712	1.33E-04	1.12E-04	0.0001331
241 ALL	577971.59	4137637.17	1.84E-04	1.50E-04	0.0001836	1.43E-04	1.20E-04	0.0001428
242 ALL	577962.66	4137635.6	1.96E-04	1.60E-04	0.0001964	1.53E-04	1.29E-04	0.0001528
243 ALL	577953.73	4137634.04	2.10E-04	1.71E-04	0.0002097	1.63E-04	1.38E-04	0.0001631
244 ALL	577944.79	4137632.47	2.23E-04	1.82E-04	0.0002232	1.74E-04	1.46E-04	0.0001736
245 ALL	577935.86	4137630.91	2.37E-04	1.93E-04	0.0002368	1.84E-04	1.55E-04	0.0001842
246 ALL	577926.93	4137629.34	2.51E-04	2.04E-04	0.0002506	1.95E-04	1.64E-04	0.0001949
247 ALL	577917.99	4137627.78	2.64E-04	2.15E-04	0.0002642	2.06E-04	1.73E-04	0.0002055
248 ALL	577909.06	4137626.22	2.78E-04	2.26E-04	0.0002777	2.16E-04	1.82E-04	0.000216
249 ALL	577900.13	4137624.65	2.91E-04	2.37E-04	0.0002909	2.26E-04	1.91E-04	0.0002263
250 ALL	577891.19	4137623.09	3.03E-04	2.47E-04	0.0003032	2.36E-04	1.99E-04	0.0002358
251 ALL	577882.26	4137621.52	3.14E-04	2.56E-04	0.0003145	2.45E-04	2.06E-04	0.0002446
252 ALL	578183.91	4137531.79	1.41E-04	1.15E-04	0.0001414	1.10E-04	9.28E-05	0.00011
253 ALL	578189.05	4137523.92	1.52E-04	1.24E-04	0.0001523	1.18E-04	9.99E-05	0.0001185
254 ALL	578194.19	4137516.04	1.64E-04	1.34E-04	0.0001641	1.28E-04	1.08E-04	0.0001276
255 ALL	578199.33	4137508.17	1.77E-04	1.44E-04	0.0001765	1.37E-04	1.16E-04	0.0001373
256 ALL	578204.47	4137500.29	1.89E-04	1.54E-04	0.0001895	1.47E-04	1.24E-04	0.0001474
257 ALL	578209.61	4137492.42	2.03E-04	1.65E-04	0.0002027	1.58E-04	1.33E-04	0.0001577
258 ALL	578214.74	4137484.54	2.16E-04	1.76E-04	0.000216	1.68E-04	1.42E-04	0.000168
259 ALL	578219.88	4137476.67	2.29E-04	1.87E-04	0.0002291	1.78E-04	1.50E-04	0.0001782
260 ALL	578225.02	4137468.79	2.42E-04	1.97E-04	0.0002418	1.88E-04	1.59E-04	0.0001881
261 ALL	578176.9	4137571.24	9.83E-05	8.02E-05	9.832E-05	7.65E-05	6.45E-05	7.648E-05
262 ALL	578169.19	4137576.56	9.51E-05	7.76E-05	9.515E-05	7.40E-05	6.25E-05	7.401E-05
263 ALL	578161.49	4137581.87	9.25E-05	7.55E-05	9.25E-05	7.20E-05	6.07E-05	7.195E-05
264 ALL	578153.79	4137587.19	9.04E-05	7.37E-05	9.038E-05	7.03E-05	5.93E-05	7.03E-05
265 ALL	578146.08	4137592.5	8.87E-05	7.24E-05	8.868E-05	6.90E-05	5.82E-05	6.898E-05
266 ALL	578138.38	4137597.82	8.75E-05	7.14E-05	8.746E-05	6.80E-05	5.74E-05	6.803E-05
267 ALL	578130.68	4137603.13	8.67E-05	7.07E-05	8.671E-05	6.75E-05	5.69E-05	6.745E-05
268 ALL	578122.97	4137608.45	8.64E-05	7.05E-05	8.637E-05	6.72E-05	5.67E-05	6.719E-05
269 ALL	578115.27	4137613.76	8.64E-05	7.05E-05	8.635E-05	6.72E-05	5.67E-05	6.717E-05
270 ALL	578107.57	4137619.08	8.66E-05	7.07E-05	8.662E-05	6.74E-05	5.69E-05	6.738E-05
271 ALL	578099.86	4137624.39	8.71E-05	7.11E-05	8.712E-05	6.78E-05	5.72E-05	6.777E-05
272 ALL	578092.16	4137629.71	8.78E-05	7.17E-05	8.785E-05	6.83E-05	5.77E-05	6.833E-05
273 ALL	578084.46	4137635.02	8.88E-05	7.24E-05	8.877E-05	6.91E-05	5.83E-05	6.905E-05
274 ALL	578076.75	4137640.34	8.99E-05	7.33E-05	8.989E-05	6.99E-05	5.90E-05	6.992E-05
275 ALL	578069.05	4137645.65	9.12E-05	7.44E-05	9.117E-05	7.09E-05	5.98E-05	7.092E-05
276 ALL	578061.35	4137650.97	9.26E-05	7.56E-05	9.264E-05	7.21E-05	6.08E-05	7.207E-05
277 ALL	578053.64	4137656.28	9.43E-05	7.69E-05	9.434E-05	7.34E-05	6.19E-05	7.339E-05
278 ALL	578045.94	4137661.6	9.61E-05	7.84E-05	9.613E-05	7.48E-05	6.31E-05	7.478E-05
279 ALL	578029.02	4137665.3	1.05E-04	8.54E-05	0.0001047	8.15E-05	6.87E-05	8.145E-05
280 ALL	578019.8	4137663.68	1.12E-04	9.15E-05	0.0001122	8.73E-05	7.36E-05	8.726E-05
281 ALL	578010.58	4137662.07	1.20E-04	9.81E-05	0.0001203	9.36E-05	7.90E-05	9.36E-05
282 ALL	578001.36	4137660.45	1.29E-04	1.05E-04	0.0001292	1.00E-04	8.48E-05	0.0001005
283 ALL	577992.14	4137658.84	1.39E-04	1.13E-04	0.0001387	1.08E-04	9.10E-05	0.0001079
284 ALL	577982.92	4137657.22	1.49E-04	1.21E-04	0.0001487	1.16E-04	9.76E-05	0.0001157
285 ALL	577973.7	4137655.61	1.59E-04	1.30E-04	0.0001592	1.24E-04	1.04E-04	0.0001239
286 ALL	577964.49	4137653.99	1.70E-04	1.39E-04	0.0001702	1.32E-04	1.12E-04	0.0001324
287 ALL	577955.27	4137652.38	1.81E-04	1.48E-04	0.0001814	1.41E-04	1.19E-04	0.0001411
288 ALL	577946.05	4137650.76	1.93E-04	1.57E-04	0.000193	1.50E-04	1.27E-04	0.0001501
289 ALL	577936.83	4137649.15	2.05E-04	1.67E-04	0.0002047	1.59E-04	1.34E-04	0.0001592
290 ALL	577927.61	4137647.53	2.17E-04	1.77E-04	0.0002166	1.68E-04	1.42E-04	0.0001685
291 ALL	577918.39	4137645.92	2.28E-04	1.86E-04	0.0002284	1.78E-04	1.50E-04	0.0001777
292 ALL	577909.17	4137644.3	2.40E-04	1.96E-04	0.0002403	1.87E-04	1.58E-04	0.0001869
293 ALL	577899.95	4137642.69	2.52E-04	2.05E-04	0.0002521	1.96E-04	1.65E-04	0.0001961
294 ALL	577890.74	4137641.07	2.63E-04	2.15E-04	0.0002634	2.05E-04	1.73E-04	0.0002049

295 ALL	577881.52	4137639.46	2.74E-04	2.23E-04	0.000274	2.13E-04	1.80E-04	0.0002132
296 ALL	577872.3	4137637.84	2.84E-04	2.31E-04	0.0002836	2.21E-04	1.86E-04	0.0002206
297 ALL	578184.6	4137565.93	1.02E-04	8.32E-05	0.000102	7.93E-05	6.69E-05	7.934E-05
298 ALL	578189.74	4137558.05	1.09E-04	8.88E-05	0.0001089	8.47E-05	7.14E-05	8.468E-05
299 ALL	578205.16	4137534.43	1.34E-04	1.09E-04	0.0001341	1.04E-04	8.80E-05	0.0001043
300 ALL	578210.3	4137526.55	1.44E-04	1.17E-04	0.0001441	1.12E-04	9.45E-05	0.0001121
301 ALL	578215.43	4137518.68	1.54E-04	1.26E-04	0.0001544	1.20E-04	1.01E-04	0.0001201
302 ALL	578220.57	4137510.8	1.65E-04	1.35E-04	0.0001652	1.29E-04	1.08E-04	0.0001285
303 ALL	578225.71	4137502.93	1.76E-04	1.44E-04	0.0001763	1.37E-04	1.16E-04	0.0001371
304 ALL	578230.85	4137495.05	1.87E-04	1.53E-04	0.0001875	1.46E-04	1.23E-04	0.0001458
305 ALL	578235.99	4137487.18	1.99E-04	1.62E-04	0.0001985	1.54E-04	1.30E-04	0.0001544
306 ALL	578241.13	4137479.3	2.09E-04	1.71E-04	0.0002093	1.63E-04	1.37E-04	0.0001628
307 ALL	578193.17	4137581.64	8.85E-05	7.22E-05	8.846E-05	6.88E-05	5.81E-05	6.881E-05
308 ALL	578185.62	4137586.84	8.56E-05	6.98E-05	8.562E-05	6.66E-05	5.62E-05	6.66E-05
309 ALL	578178.08	4137592.04	8.32E-05	6.79E-05	8.323E-05	6.47E-05	5.46E-05	6.474E-05
310 ALL	578170.54	4137597.25	8.12E-05	6.63E-05	8.123E-05	6.32E-05	5.33E-05	6.319E-05
311 ALL	578163	4137602.45	7.96E-05	6.50E-05	7.961E-05	6.19E-05	5.23E-05	6.193E-05
312 ALL	578155.46	4137607.65	7.84E-05	6.39E-05	7.836E-05	6.10E-05	5.15E-05	6.096E-05
313 ALL	578147.92	4137612.86	7.75E-05	6.32E-05	7.747E-05	6.03E-05	5.09E-05	6.027E-05
314 ALL	578140.38	4137618.06	7.70E-05	6.28E-05	7.695E-05	5.99E-05	5.05E-05	5.986E-05
315 ALL	578132.84	4137623.26	7.67E-05	6.26E-05	7.673E-05	5.97E-05	5.04E-05	5.968E-05
316 ALL	578125.3	4137628.46	7.67E-05	6.26E-05	7.675E-05	5.97E-05	5.04E-05	5.97E-05
317 ALL	578117.75	4137633.67	7.70E-05	6.28E-05	7.696E-05	5.99E-05	5.05E-05	5.986E-05
318 ALL	578110.21	4137638.87	7.74E-05	6.31E-05	7.735E-05	6.02E-05	5.08E-05	6.017E-05
319 ALL	578102.67	4137644.07	7.79E-05	6.36E-05	7.791E-05	6.06E-05	5.11E-05	6.06E-05
320 ALL	578095.13	4137649.28	7.86E-05	6.41E-05	7.862E-05	6.12E-05	5.16E-05	6.116E-05
321 ALL	578087.59	4137654.48	7.95E-05	6.48E-05	7.95E-05	6.18E-05	5.22E-05	6.184E-05
322 ALL	578080.05	4137659.68	8.05E-05	6.57E-05	8.05E-05	6.26E-05	5.28E-05	6.262E-05
323 ALL	578072.51	4137664.89	8.16E-05	6.66E-05	8.161E-05	6.35E-05	5.36E-05	6.348E-05
324 ALL	578064.97	4137670.09	8.28E-05	6.76E-05	8.283E-05	6.44E-05	5.44E-05	6.444E-05
325 ALL	578057.43	4137675.29	8.42E-05	6.87E-05	8.419E-05	6.55E-05	5.53E-05	6.549E-05
326 ALL	578049.88	4137680.49	8.56E-05	6.98E-05	8.56E-05	6.66E-05	5.62E-05	6.659E-05
327 ALL	578033.32	4137684.12	9.25E-05	7.54E-05	9.246E-05	7.19E-05	6.07E-05	7.192E-05
328 ALL	578024.29	4137682.54	9.85E-05	8.03E-05	9.845E-05	7.66E-05	6.46E-05	7.659E-05
329 ALL	578015.27	4137680.95	1.05E-04	8.56E-05	0.000105	8.17E-05	6.89E-05	8.168E-05
330 ALL	578006.25	4137679.37	1.12E-04	9.14E-05	0.0001121	8.72E-05	7.35E-05	8.719E-05
331 ALL	577997.22	4137677.79	1.20E-04	9.76E-05	0.0001197	9.31E-05	7.85E-05	9.309E-05
332 ALL	577988.2	4137676.21	1.28E-04	1.04E-04	0.0001277	9.94E-05	8.38E-05	9.935E-05
333 ALL	577979.17	4137674.63	1.36E-04	1.11E-04	0.0001362	1.06E-04	8.93E-05	0.0001059
334 ALL	577970.15	4137673.05	1.45E-04	1.18E-04	0.0001449	1.13E-04	9.51E-05	0.0001127
335 ALL	577961.12	4137671.47	1.54E-04	1.26E-04	0.000154	1.20E-04	1.01E-04	0.0001198
336 ALL	577952.1	4137669.89	1.63E-04	1.33E-04	0.0001633	1.27E-04	1.07E-04	0.000127
337 ALL	577943.07	4137668.31	1.73E-04	1.41E-04	0.0001728	1.34E-04	1.13E-04	0.0001344
338 ALL	577934.05	4137666.73	1.82E-04	1.49E-04	0.0001824	1.42E-04	1.20E-04	0.0001419
339 ALL	577925.03	4137665.15	1.92E-04	1.57E-04	0.0001922	1.49E-04	1.26E-04	0.0001495
340 ALL	577916	4137663.57	2.02E-04	1.65E-04	0.000202	1.57E-04	1.32E-04	0.0001571
341 ALL	577906.98	4137661.98	2.12E-04	1.73E-04	0.0002119	1.65E-04	1.39E-04	0.0001648
342 ALL	577897.95	4137660.4	2.22E-04	1.81E-04	0.0002218	1.73E-04	1.45E-04	0.0001725
343 ALL	577888.93	4137658.82	2.31E-04	1.89E-04	0.0002315	1.80E-04	1.52E-04	0.00018
344 ALL	577879.9	4137657.24	2.41E-04	1.96E-04	0.0002407	1.87E-04	1.58E-04	0.0001872
345 ALL	577870.88	4137655.66	2.49E-04	2.03E-04	0.0002493	1.94E-04	1.63E-04	0.0001939
346 ALL	577861.85	4137654.08	2.57E-04	2.10E-04	0.0002571	2.00E-04	1.69E-04	0.0002
347 ALL	578200.71	4137576.44	9.16E-05	7.47E-05	9.164E-05	7.13E-05	6.01E-05	7.129E-05
348 ALL	578205.85	4137568.56	9.75E-05	7.96E-05	9.755E-05	7.59E-05	6.40E-05	7.588E-05
349 ALL	578210.98	4137560.69	1.04E-04	8.49E-05	0.0001041	8.10E-05	6.83E-05	8.096E-05
350 ALL	578226.4	4137537.06	1.27E-04	1.04E-04	0.0001275	9.91E-05	8.36E-05	9.914E-05
351 ALL	578231.54	4137529.19	1.36E-04	1.11E-04	0.0001362	1.06E-04	8.93E-05	0.0001059
352 ALL	578236.68	4137521.31	1.45E-04	1.18E-04	0.0001453	1.13E-04	9.53E-05	0.000113
353 ALL	578241.82	4137513.44	1.55E-04	1.26E-04	0.0001547	1.20E-04	1.01E-04	0.0001203

354 ALL	578246.95	4137505.56	1.64E-04	1.34E-04	0.0001642	1.28E-04	1.08E-04	0.0001277
355 ALL	578252.09	4137497.69	1.74E-04	1.42E-04	0.0001737	1.35E-04	1.14E-04	0.0001351
356 ALL	578257.23	4137489.81	1.83E-04	1.49E-04	0.0001829	1.42E-04	1.20E-04	0.0001422
357 ALL	578209.41	4137592.05	8.02E-05	6.54E-05	8.023E-05	6.24E-05	5.27E-05	6.241E-05
358 ALL	578202	4137597.17	7.77E-05	6.34E-05	7.772E-05	6.05E-05	5.10E-05	6.046E-05
359 ALL	578187.18	4137607.39	7.36E-05	6.01E-05	7.364E-05	5.73E-05	4.83E-05	5.728E-05
360 ALL	578172.37	4137617.61	7.08E-05	5.78E-05	7.083E-05	5.51E-05	4.65E-05	5.51E-05
361 ALL	578164.96	4137622.72	6.99E-05	5.70E-05	6.989E-05	5.44E-05	4.59E-05	5.437E-05
362 ALL	578150.15	4137632.94	6.88E-05	5.62E-05	6.883E-05	5.35E-05	4.52E-05	5.354E-05
363 ALL	578135.33	4137643.16	6.87E-05	5.61E-05	6.87E-05	5.34E-05	4.51E-05	5.344E-05
364 ALL	578120.52	4137653.38	6.92E-05	5.65E-05	6.921E-05	5.38E-05	4.54E-05	5.384E-05
365 ALL	578105.71	4137663.6	7.03E-05	5.73E-05	7.027E-05	5.47E-05	4.61E-05	5.466E-05
366 ALL	578098.3	4137668.71	7.10E-05	5.79E-05	7.097E-05	5.52E-05	4.66E-05	5.521E-05
367 ALL	578083.49	4137678.93	7.26E-05	5.92E-05	7.261E-05	5.65E-05	4.77E-05	5.649E-05
368 ALL	578068.67	4137689.15	7.45E-05	6.08E-05	7.451E-05	5.80E-05	4.89E-05	5.796E-05
369 ALL	578053.86	4137699.37	7.67E-05	6.26E-05	7.672E-05	5.97E-05	5.04E-05	5.968E-05
370 ALL	578037.59	4137702.93	8.24E-05	6.72E-05	8.235E-05	6.41E-05	5.40E-05	6.406E-05
371 ALL	578019.86	4137699.83	9.26E-05	7.55E-05	9.255E-05	7.20E-05	6.07E-05	7.2E-05
372 ALL	578011	4137698.27	9.83E-05	8.02E-05	9.832E-05	7.65E-05	6.45E-05	7.649E-05
373 ALL	578002.13	4137696.72	1.04E-04	8.52E-05	0.0001045	8.13E-05	6.86E-05	8.128E-05
374 ALL	577993.27	4137695.17	1.11E-04	9.05E-05	0.000111	8.64E-05	7.29E-05	8.637E-05
375 ALL	577984.4	4137693.62	1.18E-04	9.61E-05	0.0001179	9.17E-05	7.74E-05	9.171E-05
376 ALL	577966.68	4137690.51	1.32E-04	1.08E-04	0.0001325	1.03E-04	8.69E-05	0.000103
377 ALL	577957.81	4137688.96	1.40E-04	1.14E-04	0.0001401	1.09E-04	9.19E-05	0.000109
378 ALL	577948.95	4137687.4	1.48E-04	1.21E-04	0.0001478	1.15E-04	9.70E-05	0.000115
379 ALL	577940.08	4137685.85	1.56E-04	1.27E-04	0.0001557	1.21E-04	1.02E-04	0.0001211
380 ALL	577922.36	4137682.75	1.72E-04	1.40E-04	0.0001718	1.34E-04	1.13E-04	0.0001337
381 ALL	577913.49	4137681.19	1.80E-04	1.47E-04	0.0001801	1.40E-04	1.18E-04	0.0001401
382 ALL	577904.63	4137679.64	1.88E-04	1.53E-04	0.0001883	1.46E-04	1.24E-04	0.0001465
383 ALL	577895.76	4137678.09	1.97E-04	1.60E-04	0.0001966	1.53E-04	1.29E-04	0.0001529
384 ALL	577886.9	4137676.53	2.05E-04	1.67E-04	0.0002047	1.59E-04	1.34E-04	0.0001593
385 ALL	577869.17	4137673.43	2.20E-04	1.80E-04	0.0002204	1.71E-04	1.45E-04	0.0001714
386 ALL	577860.31	4137671.88	2.27E-04	1.85E-04	0.0002275	1.77E-04	1.49E-04	0.000177
387 ALL	577851.44	4137670.32	2.34E-04	1.91E-04	0.000234	1.82E-04	1.53E-04	0.0001821
388 ALL	578221.95	4137579.07	8.82E-05	7.19E-05	8.815E-05	6.86E-05	5.79E-05	6.857E-05
389 ALL	578227.09	4137571.2	9.38E-05	7.65E-05	9.383E-05	7.30E-05	6.16E-05	7.299E-05
390 ALL	578232.23	4137563.32	1.00E-04	8.15E-05	0.0001	7.78E-05	6.56E-05	7.78E-05
391 ALL	578252.78	4137531.82	1.29E-04	1.05E-04	0.0001291	1.00E-04	8.47E-05	0.0001004
392 ALL	578257.92	4137523.95	1.37E-04	1.12E-04	0.0001371	1.07E-04	8.99E-05	0.0001066
393 ALL	578263.06	4137516.07	1.45E-04	1.18E-04	0.0001452	1.13E-04	9.53E-05	0.000113
394 ALL	578268.2	4137508.2	1.53E-04	1.25E-04	0.0001533	1.19E-04	1.01E-04	0.0001193
395 ALL	578273.34	4137500.32	1.61E-04	1.31E-04	0.0001613	1.25E-04	1.06E-04	0.0001255
396 ALL	578225.32	4137602.7	7.31E-05	5.96E-05	7.312E-05	5.69E-05	4.80E-05	5.688E-05
397 ALL	578217.72	4137607.94	7.08E-05	5.78E-05	7.08E-05	5.51E-05	4.65E-05	5.508E-05
398 ALL	578210.12	4137613.18	6.87E-05	5.61E-05	6.875E-05	5.35E-05	4.51E-05	5.348E-05
399 ALL	578202.52	4137618.42	6.70E-05	5.46E-05	6.698E-05	5.21E-05	4.40E-05	5.21E-05
400 ALL	578194.93	4137623.67	6.55E-05	5.34E-05	6.548E-05	5.09E-05	4.30E-05	5.094E-05
401 ALL	578187.33	4137628.91	6.43E-05	5.24E-05	6.427E-05	5.00E-05	4.22E-05	4.999E-05
402 ALL	578179.73	4137634.15	6.33E-05	5.17E-05	6.333E-05	4.93E-05	4.16E-05	4.926E-05
403 ALL	578172.13	4137639.39	6.26E-05	5.11E-05	6.265E-05	4.87E-05	4.11E-05	4.873E-05
404 ALL	578164.53	4137644.64	6.22E-05	5.07E-05	6.219E-05	4.84E-05	4.08E-05	4.838E-05
405 ALL	578156.93	4137649.88	6.20E-05	5.05E-05	6.195E-05	4.82E-05	4.07E-05	4.819E-05
406 ALL	578149.34	4137655.12	6.19E-05	5.05E-05	6.188E-05	4.81E-05	4.06E-05	4.814E-05
407 ALL	578141.74	4137660.36	6.20E-05	5.06E-05	6.197E-05	4.82E-05	4.07E-05	4.821E-05
408 ALL	578134.14	4137665.6	6.22E-05	5.07E-05	6.22E-05	4.84E-05	4.08E-05	4.839E-05
409 ALL	578126.54	4137670.85	6.25E-05	5.10E-05	6.255E-05	4.87E-05	4.11E-05	4.866E-05
410 ALL	578118.94	4137676.09	6.30E-05	5.14E-05	6.301E-05	4.90E-05	4.14E-05	4.901E-05
411 ALL	578111.34	4137681.33	6.36E-05	5.19E-05	6.359E-05	4.95E-05	4.17E-05	4.946E-05
412 ALL	578103.75	4137686.57	6.42E-05	5.24E-05	6.422E-05	5.00E-05	4.22E-05	4.996E-05

413 ALL	578096.15	4137691.82	6.49E-05	5.29E-05	6.491E-05	5.05E-05	4.26E-05	5.049E-05
414 ALL	578088.55	4137697.06	6.56E-05	5.35E-05	6.564E-05	5.11E-05	4.31E-05	5.106E-05
415 ALL	578080.95	4137702.3	6.64E-05	5.42E-05	6.642E-05	5.17E-05	4.36E-05	5.167E-05
416 ALL	578073.35	4137707.54	6.73E-05	5.49E-05	6.728E-05	5.23E-05	4.42E-05	5.233E-05
417 ALL	578065.76	4137712.79	6.82E-05	5.56E-05	6.822E-05	5.31E-05	4.48E-05	5.307E-05
418 ALL	578058.16	4137718.03	6.92E-05	5.65E-05	6.924E-05	5.39E-05	4.54E-05	5.386E-05
419 ALL	578041.47	4137721.68	7.42E-05	6.05E-05	7.417E-05	5.77E-05	4.87E-05	5.769E-05
420 ALL	578032.37	4137720.09	7.83E-05	6.39E-05	7.835E-05	6.09E-05	5.14E-05	6.095E-05
421 ALL	578023.28	4137718.49	8.29E-05	6.76E-05	8.295E-05	6.45E-05	5.44E-05	6.453E-05
422 ALL	578014.19	4137716.9	8.79E-05	7.17E-05	8.791E-05	6.84E-05	5.77E-05	6.839E-05
423 ALL	578005.09	4137715.31	9.33E-05	7.60E-05	9.325E-05	7.25E-05	6.12E-05	7.254E-05
424 ALL	577996	4137713.71	9.89E-05	8.07E-05	9.893E-05	7.70E-05	6.49E-05	7.695E-05
425 ALL	577986.91	4137712.12	1.05E-04	8.55E-05	0.0001049	8.16E-05	6.88E-05	8.161E-05
426 ALL	577977.82	4137710.53	1.11E-04	9.06E-05	0.0001111	8.64E-05	7.29E-05	8.645E-05
427 ALL	577968.72	4137708.94	1.18E-04	9.59E-05	0.0001176	9.15E-05	7.71E-05	9.146E-05
428 ALL	577959.63	4137707.34	1.24E-04	1.01E-04	0.0001242	9.66E-05	8.15E-05	9.66E-05
429 ALL	577950.54	4137705.75	1.31E-04	1.07E-04	0.0001309	1.02E-04	8.59E-05	0.0001019
430 ALL	577941.45	4137704.16	1.38E-04	1.12E-04	0.0001378	1.07E-04	9.04E-05	0.0001072
431 ALL	577932.35	4137702.56	1.45E-04	1.18E-04	0.0001448	1.13E-04	9.50E-05	0.0001126
432 ALL	577923.26	4137700.97	1.52E-04	1.24E-04	0.0001519	1.18E-04	9.96E-05	0.0001181
433 ALL	577914.17	4137699.38	1.59E-04	1.30E-04	0.0001591	1.24E-04	1.04E-04	0.0001237
434 ALL	577905.07	4137697.79	1.66E-04	1.36E-04	0.0001663	1.29E-04	1.09E-04	0.0001294
435 ALL	577895.98	4137696.19	1.74E-04	1.42E-04	0.0001737	1.35E-04	1.14E-04	0.0001351
436 ALL	577886.89	4137694.6	1.81E-04	1.48E-04	0.000181	1.41E-04	1.19E-04	0.0001408
437 ALL	577877.8	4137693.01	1.88E-04	1.53E-04	0.0001882	1.46E-04	1.23E-04	0.0001464
438 ALL	577868.7	4137691.41	1.95E-04	1.59E-04	0.0001952	1.52E-04	1.28E-04	0.0001519
439 ALL	577859.61	4137689.82	2.02E-04	1.65E-04	0.000202	1.57E-04	1.32E-04	0.0001571
440 ALL	577850.52	4137688.23	2.08E-04	1.70E-04	0.0002083	1.62E-04	1.37E-04	0.000162
441 ALL	577841.42	4137686.64	2.14E-04	1.74E-04	0.000214	1.66E-04	1.40E-04	0.0001665
442 ALL	578232.92	4137597.45	7.57E-05	6.17E-05	7.567E-05	5.89E-05	4.97E-05	5.887E-05
443 ALL	578238.06	4137589.58	8.02E-05	6.54E-05	8.019E-05	6.24E-05	5.26E-05	6.238E-05
444 ALL	578243.19	4137581.7	8.51E-05	6.94E-05	8.514E-05	6.62E-05	5.59E-05	6.623E-05
445 ALL	578248.33	4137573.83	9.05E-05	7.38E-05	0.0000905	7.04E-05	5.94E-05	7.04E-05
446 ALL	578253.47	4137565.96	9.63E-05	7.85E-05	9.625E-05	7.49E-05	6.32E-05	7.487E-05
447 ALL	578274.03	4137534.46	1.22E-04	9.98E-05	0.0001225	9.53E-05	8.03E-05	9.527E-05
448 ALL	578279.17	4137526.58	1.29E-04	1.06E-04	0.0001295	1.01E-04	8.49E-05	0.0001007
449 ALL	578284.3	4137518.71	1.36E-04	1.11E-04	0.0001364	1.06E-04	8.95E-05	0.0001061
450 ALL	578289.44	4137510.83	1.43E-04	1.17E-04	0.0001433	1.11E-04	9.40E-05	0.0001115
451 ALL	578241.55	4137613.12	6.71E-05	5.47E-05	6.709E-05	5.22E-05	4.40E-05	5.219E-05
452 ALL	578234.07	4137618.28	6.50E-05	5.30E-05	6.502E-05	5.06E-05	4.27E-05	5.058E-05
453 ALL	578226.6	4137623.44	6.32E-05	5.15E-05	6.315E-05	4.91E-05	4.15E-05	4.913E-05
454 ALL	578219.12	4137628.59	6.15E-05	5.02E-05	6.152E-05	4.79E-05	4.04E-05	4.785E-05
455 ALL	578211.65	4137633.75	6.01E-05	4.90E-05	6.01E-05	4.67E-05	3.95E-05	4.675E-05
456 ALL	578204.17	4137638.91	5.89E-05	4.81E-05	5.891E-05	4.58E-05	3.87E-05	4.583E-05
457 ALL	578196.7	4137644.07	5.80E-05	4.73E-05	5.796E-05	4.51E-05	3.81E-05	4.508E-05
458 ALL	578189.22	4137649.22	5.72E-05	4.67E-05	5.722E-05	4.45E-05	3.76E-05	4.451E-05
459 ALL	578181.75	4137654.38	5.67E-05	4.62E-05	5.666E-05	4.41E-05	3.72E-05	4.407E-05
460 ALL	578174.27	4137659.54	5.63E-05	4.59E-05	5.63E-05	4.38E-05	3.70E-05	4.379E-05
461 ALL	578166.79	4137664.7	5.61E-05	4.58E-05	5.61E-05	4.36E-05	3.68E-05	4.364E-05
462 ALL	578159.32	4137669.85	5.61E-05	4.57E-05	5.607E-05	4.36E-05	3.68E-05	4.362E-05
463 ALL	578151.84	4137675.01	5.62E-05	4.58E-05	5.616E-05	4.37E-05	3.69E-05	4.369E-05
464 ALL	578144.37	4137680.17	5.64E-05	4.60E-05	5.638E-05	4.39E-05	3.70E-05	4.386E-05
465 ALL	578136.89	4137685.33	5.67E-05	4.63E-05	5.67E-05	4.41E-05	3.72E-05	4.41E-05
466 ALL	578129.42	4137690.48	5.71E-05	4.66E-05	5.709E-05	4.44E-05	3.75E-05	4.441E-05
467 ALL	578121.94	4137695.64	5.76E-05	4.70E-05	5.755E-05	4.48E-05	3.78E-05	4.477E-05
468 ALL	578114.47	4137700.8	5.81E-05	4.74E-05	5.807E-05	4.52E-05	3.81E-05	4.517E-05
469 ALL	578106.99	4137705.96	5.86E-05	4.78E-05	5.862E-05	4.56E-05	3.85E-05	4.56E-05
470 ALL	578099.52	4137711.11	5.92E-05	4.83E-05	5.919E-05	4.60E-05	3.89E-05	4.604E-05
471 ALL	578092.04	4137716.27	5.98E-05	4.88E-05	5.981E-05	4.65E-05	3.93E-05	4.653E-05

472 ALL	578084.57	4137721.43	6.05E-05	4.93E-05	6.049E-05	4.71E-05	3.97E-05	4.706E-05
473 ALL	578077.09	4137726.59	6.12E-05	5.00E-05	6.125E-05	4.76E-05	4.02E-05	4.764E-05
474 ALL	578069.62	4137731.74	6.21E-05	5.06E-05	6.207E-05	4.83E-05	4.07E-05	4.828E-05
475 ALL	578062.14	4137736.9	6.30E-05	5.13E-05	6.295E-05	4.90E-05	4.13E-05	4.897E-05
476 ALL	578045.72	4137740.49	6.71E-05	5.47E-05	6.707E-05	5.22E-05	4.40E-05	5.217E-05
477 ALL	578036.78	4137738.92	7.06E-05	5.76E-05	7.058E-05	5.49E-05	4.63E-05	5.49E-05
478 ALL	578027.83	4137737.36	7.44E-05	6.06E-05	7.437E-05	5.79E-05	4.88E-05	5.786E-05
479 ALL	578018.88	4137735.79	7.85E-05	6.40E-05	7.847E-05	6.10E-05	5.15E-05	6.104E-05
480 ALL	578009.94	4137734.22	8.28E-05	6.76E-05	8.285E-05	6.44E-05	5.44E-05	6.445E-05
481 ALL	578000.99	4137732.66	8.75E-05	7.14E-05	8.752E-05	6.81E-05	5.74E-05	6.808E-05
482 ALL	577992.05	4137731.09	9.25E-05	7.54E-05	9.248E-05	7.19E-05	6.07E-05	7.194E-05
483 ALL	577983.1	4137729.52	9.77E-05	7.96E-05	9.767E-05	7.60E-05	6.41E-05	7.598E-05
484 ALL	577974.16	4137727.95	1.03E-04	8.40E-05	0.000103	8.02E-05	6.76E-05	8.015E-05
485 ALL	577965.21	4137726.39	1.09E-04	8.85E-05	0.0001085	8.44E-05	7.12E-05	8.44E-05
486 ALL	577956.27	4137724.82	1.14E-04	9.30E-05	0.0001141	8.87E-05	7.48E-05	8.873E-05
487 ALL	577947.32	4137723.25	1.20E-04	9.76E-05	0.0001198	9.32E-05	7.86E-05	9.316E-05
488 ALL	577938.37	4137721.69	1.26E-04	1.02E-04	0.0001256	9.77E-05	8.24E-05	9.77E-05
489 ALL	577929.43	4137720.12	1.32E-04	1.07E-04	0.0001316	1.02E-04	8.63E-05	0.0001024
490 ALL	577920.48	4137718.55	1.38E-04	1.12E-04	0.0001377	1.07E-04	9.03E-05	0.0001071
491 ALL	577911.54	4137716.99	1.44E-04	1.17E-04	0.0001438	1.12E-04	9.43E-05	0.0001119
492 ALL	577902.59	4137715.42	1.50E-04	1.22E-04	0.00015	1.17E-04	9.84E-05	0.0001167
493 ALL	577893.65	4137713.85	1.56E-04	1.27E-04	0.0001562	1.22E-04	1.02E-04	0.0001215
494 ALL	577884.7	4137712.28	1.63E-04	1.32E-04	0.0001625	1.26E-04	1.07E-04	0.0001264
495 ALL	577875.76	4137710.72	1.69E-04	1.38E-04	0.0001688	1.31E-04	1.11E-04	0.0001313
496 ALL	577866.81	4137709.15	1.75E-04	1.43E-04	0.000175	1.36E-04	1.15E-04	0.0001361
497 ALL	577857.86	4137707.58	1.81E-04	1.47E-04	0.000181	1.41E-04	1.19E-04	0.0001408
498 ALL	577848.92	4137706.02	1.87E-04	1.52E-04	0.0001867	1.45E-04	1.22E-04	0.0001452
499 ALL	577839.97	4137704.45	1.92E-04	1.57E-04	0.0001921	1.49E-04	1.26E-04	0.0001494
500 ALL	577831.03	4137702.88	1.97E-04	1.61E-04	0.000197	1.53E-04	1.29E-04	0.0001532
501 ALL	578254.16	4137600.09	7.33E-05	5.98E-05	7.334E-05	5.71E-05	4.81E-05	5.705E-05
502 ALL	578259.3	4137592.21	7.77E-05	6.33E-05	7.769E-05	6.04E-05	5.10E-05	6.043E-05
503 ALL	578264.44	4137584.34	8.24E-05	6.72E-05	8.237E-05	6.41E-05	5.40E-05	6.408E-05
504 ALL	578269.58	4137576.46	8.74E-05	7.12E-05	8.739E-05	6.80E-05	5.73E-05	6.798E-05
505 ALL	578274.72	4137568.59	9.27E-05	7.56E-05	9.27E-05	7.21E-05	6.08E-05	7.211E-05
506 ALL	578279.85	4137560.72	9.83E-05	8.01E-05	9.829E-05	7.65E-05	6.45E-05	7.646E-05
507 ALL	578295.27	4137537.09	1.16E-04	9.47E-05	0.0001161	9.03E-05	7.62E-05	9.034E-05
508 ALL	578300.41	4137529.22	1.22E-04	9.96E-05	0.0001222	9.50E-05	8.01E-05	9.504E-05
509 ALL	578257.48	4137623.75	6.18E-05	5.04E-05	6.177E-05	4.81E-05	4.05E-05	4.805E-05
510 ALL	578249.84	4137629.02	5.99E-05	4.88E-05	5.985E-05	4.66E-05	3.93E-05	4.656E-05
511 ALL	578242.2	4137634.29	5.81E-05	4.74E-05	5.812E-05	4.52E-05	3.81E-05	4.521E-05
512 ALL	578234.56	4137639.57	5.66E-05	4.61E-05	5.657E-05	4.40E-05	3.71E-05	4.4E-05
513 ALL	578226.91	4137644.84	5.52E-05	4.50E-05	5.522E-05	4.30E-05	3.63E-05	4.296E-05
514 ALL	578219.27	4137650.11	5.41E-05	4.41E-05	5.407E-05	4.21E-05	3.55E-05	4.206E-05
515 ALL	578211.63	4137655.38	5.31E-05	4.33E-05	5.311E-05	4.13E-05	3.49E-05	4.131E-05
516 ALL	578203.99	4137660.66	5.23E-05	4.27E-05	5.234E-05	4.07E-05	3.44E-05	4.072E-05
517 ALL	578196.34	4137665.93	5.18E-05	4.22E-05	5.177E-05	4.03E-05	3.40E-05	4.027E-05
518 ALL	578188.7	4137671.2	5.14E-05	4.19E-05	5.137E-05	4.00E-05	3.37E-05	3.996E-05
519 ALL	578181.06	4137676.48	5.11E-05	4.17E-05	5.114E-05	3.98E-05	3.36E-05	3.978E-05
520 ALL	578173.41	4137681.75	5.11E-05	4.17E-05	5.107E-05	3.97E-05	3.35E-05	3.973E-05
521 ALL	578165.77	4137687.02	5.11E-05	4.17E-05	5.113E-05	3.98E-05	3.36E-05	3.978E-05
522 ALL	578158.13	4137692.3	5.13E-05	4.19E-05	5.13E-05	3.99E-05	3.37E-05	3.99E-05
523 ALL	578150.49	4137697.57	5.16E-05	4.21E-05	5.156E-05	4.01E-05	3.39E-05	4.011E-05
524 ALL	578142.84	4137702.84	5.19E-05	4.23E-05	5.189E-05	4.04E-05	3.41E-05	4.036E-05
525 ALL	578135.2	4137708.11	5.23E-05	4.26E-05	5.227E-05	4.07E-05	3.43E-05	4.066E-05
526 ALL	578127.56	4137713.39	5.27E-05	4.30E-05	5.268E-05	4.10E-05	3.46E-05	4.098E-05
527 ALL	578119.92	4137718.66	5.31E-05	4.33E-05	5.313E-05	4.13E-05	3.49E-05	4.133E-05
528 ALL	578112.27	4137723.93	5.36E-05	4.37E-05	5.361E-05	4.17E-05	3.52E-05	4.17E-05
529 ALL	578104.63	4137729.21	5.41E-05	4.41E-05	5.412E-05	4.21E-05	3.55E-05	4.21E-05
530 ALL	578096.99	4137734.48	5.47E-05	4.46E-05	5.466E-05	4.25E-05	3.59E-05	4.252E-05

531 ALL	578089.35	4137739.75	5.53E-05	4.51E-05	5.527E-05	4.30E-05	3.63E-05	4.3E-05
532 ALL	578081.7	4137745.03	5.59E-05	4.56E-05	5.595E-05	4.35E-05	3.67E-05	4.352E-05
533 ALL	578074.06	4137750.3	5.67E-05	4.62E-05	5.665E-05	4.41E-05	3.72E-05	4.407E-05
534 ALL	578066.42	4137755.57	5.74E-05	4.68E-05	5.739E-05	4.46E-05	3.77E-05	4.464E-05
535 ALL	578049.63	4137759.24	6.10E-05	4.98E-05	6.105E-05	4.75E-05	4.01E-05	4.749E-05
536 ALL	578040.48	4137757.64	6.42E-05	5.23E-05	6.417E-05	4.99E-05	4.21E-05	4.992E-05
537 ALL	578031.34	4137756.04	6.75E-05	5.51E-05	6.754E-05	5.25E-05	4.43E-05	5.254E-05
538 ALL	578022.19	4137754.44	7.11E-05	5.80E-05	7.114E-05	5.53E-05	4.67E-05	5.534E-05
539 ALL	578013.04	4137752.83	7.50E-05	6.12E-05	7.5E-05	5.83E-05	4.92E-05	5.834E-05
540 ALL	578003.9	4137751.23	7.91E-05	6.45E-05	7.909E-05	6.15E-05	5.19E-05	6.152E-05
541 ALL	577994.75	4137749.63	8.34E-05	6.80E-05	8.342E-05	6.49E-05	5.47E-05	6.489E-05
542 ALL	577985.61	4137748.03	8.80E-05	7.17E-05	8.796E-05	6.84E-05	5.77E-05	6.842E-05
543 ALL	577976.46	4137746.43	9.27E-05	7.55E-05	9.266E-05	7.21E-05	6.08E-05	7.208E-05
544 ALL	577967.31	4137744.82	9.75E-05	7.95E-05	9.748E-05	7.58E-05	6.40E-05	7.583E-05
545 ALL	577958.17	4137743.22	1.02E-04	8.35E-05	0.0001024	7.96E-05	6.72E-05	7.963E-05
546 ALL	577949.02	4137741.62	1.07E-04	8.75E-05	0.0001073	8.35E-05	7.04E-05	8.349E-05
547 ALL	577939.88	4137740.02	1.12E-04	9.16E-05	0.0001124	8.74E-05	7.37E-05	8.744E-05
548 ALL	577930.73	4137738.41	1.18E-04	9.60E-05	0.0001177	9.16E-05	7.72E-05	9.157E-05
549 ALL	577921.58	4137736.81	1.23E-04	1.00E-04	0.0001231	9.58E-05	8.08E-05	9.577E-05
550 ALL	577912.44	4137735.21	1.29E-04	1.05E-04	0.0001286	1.00E-04	8.44E-05	0.0001
551 ALL	577903.29	4137733.61	1.34E-04	1.09E-04	0.0001341	1.04E-04	8.80E-05	0.0001043
552 ALL	577894.15	4137732.01	1.40E-04	1.14E-04	0.0001396	1.09E-04	9.16E-05	0.0001086
553 ALL	577885	4137730.4	1.45E-04	1.18E-04	0.0001452	1.13E-04	9.53E-05	0.000113
554 ALL	577875.85	4137728.8	1.51E-04	1.23E-04	0.0001509	1.17E-04	9.90E-05	0.0001174
555 ALL	577866.71	4137727.2	1.57E-04	1.28E-04	0.0001565	1.22E-04	1.03E-04	0.0001217
556 ALL	577857.56	4137725.6	1.62E-04	1.32E-04	0.0001621	1.26E-04	1.06E-04	0.0001261
557 ALL	577848.42	4137724	1.67E-04	1.36E-04	0.0001674	1.30E-04	1.10E-04	0.0001302
558 ALL	577839.27	4137722.39	1.73E-04	1.41E-04	0.0001726	1.34E-04	1.13E-04	0.0001343
559 ALL	577830.12	4137720.79	1.77E-04	1.45E-04	0.0001774	1.38E-04	1.16E-04	0.000138
560 ALL	577820.98	4137719.19	1.82E-04	1.48E-04	0.0001819	1.41E-04	1.19E-04	0.0001415
561 ALL	578265.13	4137618.47	6.39E-05	5.21E-05	6.385E-05	4.97E-05	4.19E-05	4.967E-05
562 ALL	578270.27	4137610.6	6.74E-05	5.50E-05	6.739E-05	5.24E-05	4.42E-05	5.243E-05
563 ALL	578275.4	4137602.72	7.12E-05	5.81E-05	7.125E-05	5.54E-05	4.68E-05	5.542E-05
564 ALL	578280.54	4137594.85	7.54E-05	6.15E-05	7.54E-05	5.87E-05	4.95E-05	5.865E-05
565 ALL	578285.68	4137586.97	7.98E-05	6.51E-05	7.982E-05	6.21E-05	5.24E-05	6.209E-05
566 ALL	578290.82	4137579.1	8.45E-05	6.89E-05	8.449E-05	6.57E-05	5.54E-05	6.572E-05
567 ALL	578295.96	4137571.22	8.94E-05	7.29E-05	8.937E-05	6.95E-05	5.86E-05	6.952E-05
568 ALL	578301.1	4137563.35	9.44E-05	7.70E-05	9.444E-05	7.35E-05	6.19E-05	7.346E-05
569 ALL	578337.07	4137508.23	1.30E-04	1.06E-04	0.0001304	1.01E-04	8.55E-05	0.0001015
570 ALL	578342.21	4137500.35	1.35E-04	1.10E-04	0.000135	1.05E-04	8.86E-05	0.000105
571 ALL	578273.7	4137634.18	5.72E-05	4.66E-05	5.718E-05	4.45E-05	3.75E-05	4.448E-05
572 ALL	578266.17	4137639.37	5.55E-05	4.52E-05	5.546E-05	4.31E-05	3.64E-05	4.315E-05
573 ALL	578258.64	4137644.57	5.39E-05	4.39E-05	5.388E-05	4.19E-05	3.54E-05	4.191E-05
574 ALL	578251.12	4137649.76	5.24E-05	4.28E-05	5.245E-05	4.08E-05	3.44E-05	4.08E-05
575 ALL	578243.59	4137654.96	5.12E-05	4.17E-05	5.116E-05	3.98E-05	3.36E-05	3.98E-05
576 ALL	578236.06	4137660.15	5.00E-05	4.08E-05	5.005E-05	3.89E-05	3.29E-05	3.893E-05
577 ALL	578228.53	4137665.35	4.91E-05	4.01E-05	4.91E-05	3.82E-05	3.22E-05	3.82E-05
578 ALL	578221	4137670.54	4.83E-05	3.94E-05	4.832E-05	3.76E-05	3.17E-05	3.759E-05
579 ALL	578213.47	4137675.74	4.77E-05	3.89E-05	4.771E-05	3.71E-05	3.13E-05	3.711E-05
580 ALL	578205.94	4137680.93	4.73E-05	3.86E-05	4.726E-05	3.68E-05	3.10E-05	3.677E-05
581 ALL	578198.41	4137686.13	4.70E-05	3.83E-05	4.697E-05	3.65E-05	3.08E-05	3.654E-05
582 ALL	578190.88	4137691.32	4.68E-05	3.82E-05	4.681E-05	3.64E-05	3.07E-05	3.641E-05
583 ALL	578183.35	4137696.51	4.68E-05	3.82E-05	4.677E-05	3.64E-05	3.07E-05	3.638E-05
584 ALL	578175.82	4137701.71	4.68E-05	3.82E-05	4.684E-05	3.64E-05	3.08E-05	3.643E-05
585 ALL	578168.29	4137706.9	4.70E-05	3.83E-05	4.699E-05	3.66E-05	3.09E-05	3.656E-05
586 ALL	578160.76	4137712.1	4.72E-05	3.85E-05	4.72E-05	3.67E-05	3.10E-05	3.672E-05
587 ALL	578153.23	4137717.29	4.75E-05	3.87E-05	4.748E-05	3.69E-05	3.12E-05	3.693E-05
588 ALL	578145.7	4137722.49	4.78E-05	3.90E-05	4.779E-05	3.72E-05	3.14E-05	3.718E-05
589 ALL	578138.18	4137727.68	4.81E-05	3.93E-05	4.815E-05	3.75E-05	3.16E-05	3.745E-05

590 ALL	578130.65	4137732.88	4.85E-05	3.96E-05	4.853E-05	3.78E-05	3.19E-05	3.775E-05
591 ALL	578123.12	4137738.07	4.89E-05	3.99E-05	4.894E-05	3.81E-05	3.21E-05	3.807E-05
592 ALL	578115.59	4137743.27	4.94E-05	4.03E-05	4.939E-05	3.84E-05	3.24E-05	3.842E-05
593 ALL	578108.06	4137748.46	4.99E-05	4.07E-05	4.986E-05	3.88E-05	3.27E-05	3.878E-05
594 ALL	578100.53	4137753.66	5.04E-05	4.11E-05	5.035E-05	3.92E-05	3.31E-05	3.917E-05
595 ALL	578093	4137758.85	5.09E-05	4.15E-05	5.087E-05	3.96E-05	3.34E-05	3.957E-05
596 ALL	578085.47	4137764.05	5.14E-05	4.19E-05	5.143E-05	4.00E-05	3.38E-05	4.001E-05
597 ALL	578077.94	4137769.24	5.20E-05	4.24E-05	5.202E-05	4.05E-05	3.41E-05	4.046E-05
598 ALL	578070.41	4137774.44	5.26E-05	4.29E-05	5.264E-05	4.09E-05	3.45E-05	4.095E-05
599 ALL	578053.87	4137778.05	5.57E-05	4.55E-05	5.575E-05	4.34E-05	3.66E-05	4.336E-05
600 ALL	578044.86	4137776.48	5.84E-05	4.76E-05	5.839E-05	4.54E-05	3.83E-05	4.542E-05
601 ALL	578035.85	4137774.9	6.13E-05	5.00E-05	6.126E-05	4.77E-05	4.02E-05	4.765E-05
602 ALL	578026.84	4137773.32	6.43E-05	5.25E-05	6.433E-05	5.00E-05	4.22E-05	5.004E-05
603 ALL	578017.83	4137771.74	6.76E-05	5.51E-05	0.0000676	5.26E-05	4.44E-05	5.259E-05
604 ALL	578008.82	4137770.16	7.11E-05	5.79E-05	7.107E-05	5.53E-05	4.66E-05	5.528E-05
605 ALL	577999.81	4137768.58	7.47E-05	6.09E-05	7.473E-05	5.81E-05	4.90E-05	5.813E-05
606 ALL	577990.8	4137767	7.85E-05	6.40E-05	7.855E-05	6.11E-05	5.15E-05	6.11E-05
607 ALL	577981.79	4137765.43	8.25E-05	6.73E-05	8.248E-05	6.42E-05	5.41E-05	6.416E-05
608 ALL	577972.78	4137763.85	8.66E-05	7.06E-05	8.655E-05	6.73E-05	5.68E-05	6.733E-05
609 ALL	577963.77	4137762.27	9.08E-05	7.40E-05	9.077E-05	7.06E-05	5.96E-05	7.061E-05
610 ALL	577954.76	4137760.69	9.51E-05	7.75E-05	9.506E-05	7.39E-05	6.24E-05	7.395E-05
611 ALL	577945.75	4137759.11	9.94E-05	8.10E-05	9.94E-05	7.73E-05	6.52E-05	7.732E-05
612 ALL	577936.74	4137757.53	1.04E-04	8.47E-05	0.0001039	8.08E-05	6.81E-05	8.08E-05
613 ALL	577927.73	4137755.96	1.08E-04	8.84E-05	0.0001084	8.44E-05	7.11E-05	8.436E-05
614 ALL	577918.72	4137754.38	1.13E-04	9.22E-05	0.0001131	8.80E-05	7.42E-05	8.797E-05
615 ALL	577909.71	4137752.8	1.18E-04	9.60E-05	0.0001178	9.16E-05	7.72E-05	9.161E-05
616 ALL	577900.7	4137751.22	1.22E-04	9.98E-05	0.0001224	9.52E-05	8.03E-05	9.522E-05
617 ALL	577891.69	4137749.64	1.27E-04	1.04E-04	0.0001271	9.89E-05	8.34E-05	9.889E-05
618 ALL	577882.68	4137748.06	1.32E-04	1.08E-04	0.000132	1.03E-04	8.66E-05	0.0001026
619 ALL	577873.67	4137746.49	1.37E-04	1.12E-04	0.0001368	1.06E-04	8.98E-05	0.0001064
620 ALL	577864.66	4137744.91	1.42E-04	1.16E-04	0.0001418	1.10E-04	9.30E-05	0.0001103
621 ALL	577855.65	4137743.33	1.47E-04	1.20E-04	0.0001467	1.14E-04	9.62E-05	0.0001141
622 ALL	577846.64	4137741.75	1.52E-04	1.23E-04	0.0001515	1.18E-04	9.94E-05	0.0001179
623 ALL	577837.62	4137740.17	1.56E-04	1.27E-04	0.0001562	1.21E-04	1.02E-04	0.0001215
624 ALL	577828.61	4137738.59	1.61E-04	1.31E-04	0.0001606	1.25E-04	1.05E-04	0.000125
625 ALL	577819.6	4137737.02	1.65E-04	1.34E-04	0.0001649	1.28E-04	1.08E-04	0.0001283
626 ALL	577810.59	4137735.44	1.69E-04	1.38E-04	0.0001689	1.31E-04	1.11E-04	0.0001314
627 ALL	578281.23	4137628.98	5.91E-05	4.82E-05	5.906E-05	4.59E-05	3.88E-05	4.594E-05
628 ALL	578286.37	4137621.11	6.22E-05	5.08E-05	6.225E-05	4.84E-05	4.08E-05	4.842E-05
629 ALL	578291.51	4137613.23	6.57E-05	5.36E-05	6.569E-05	5.11E-05	4.31E-05	5.11E-05
630 ALL	578296.65	4137605.36	6.94E-05	5.66E-05	6.936E-05	5.40E-05	4.55E-05	5.395E-05
631 ALL	578301.79	4137597.48	7.33E-05	5.97E-05	7.327E-05	5.70E-05	4.81E-05	5.7E-05
632 ALL	578306.93	4137589.61	7.74E-05	6.31E-05	7.736E-05	6.02E-05	5.08E-05	6.018E-05
633 ALL	578312.06	4137581.73	8.16E-05	6.65E-05	8.162E-05	6.35E-05	5.35E-05	6.349E-05
634 ALL	578317.2	4137573.86	8.60E-05	7.01E-05	8.603E-05	6.69E-05	5.64E-05	6.693E-05
635 ALL	578322.34	4137565.99	9.06E-05	7.38E-05	9.056E-05	7.04E-05	5.94E-05	7.044E-05
636 ALL	578342.9	4137534.49	1.09E-04	8.88E-05	0.000109	8.48E-05	7.15E-05	8.478E-05
637 ALL	578348.04	4137526.61	1.13E-04	9.25E-05	0.0001135	8.83E-05	7.44E-05	8.826E-05
638 ALL	578353.17	4137518.74	1.18E-04	9.60E-05	0.0001178	9.16E-05	7.72E-05	9.163E-05
639 ALL	578358.31	4137510.86	1.22E-04	9.94E-05	0.0001219	9.49E-05	8.00E-05	9.486E-05
640 ALL	578080.44	4137309.14	3.38E-03	2.75E-03	0.0033804	2.63E-03	2.22E-03	0.0026296
641 ALL	578068.33	4137297.77	4.41E-03	3.59E-03	0.0044068	3.43E-03	2.89E-03	0.003428
642 ALL	578060.56	4137292.72	4.96E-03	4.04E-03	0.0049589	3.86E-03	3.25E-03	0.0038575
643 ALL	578052.79	4137287.66	5.25E-03	4.28E-03	0.0052471	4.08E-03	3.44E-03	0.0040817
644 ALL	578045.02	4137282.61	5.20E-03	4.24E-03	0.0051983	4.04E-03	3.41E-03	0.0040437
645 ALL	578085.89	4137300.76	2.95E-03	2.40E-03	0.0029494	2.29E-03	1.93E-03	0.0022943
646 ALL	578093.14	4137320.92	2.47E-03	2.01E-03	0.0024698	1.92E-03	1.62E-03	0.0019213
647 ALL	578073.78	4137289.39	3.65E-03	2.98E-03	0.0036508	2.84E-03	2.39E-03	0.0028399
648 ALL	578066.01	4137284.33	4.02E-03	3.28E-03	0.0040239	3.13E-03	2.64E-03	0.0031302



649 ALL	578058.24	4137279.28	4.23E-03	3.45E-03	0.0042284	3.29E-03	2.77E-03	0.0032893
650 ALL	578050.47	4137274.22	4.23E-03	3.45E-03	0.0042265	3.29E-03	2.77E-03	0.0032878
651 ALL	578091.34	4137292.37	2.59E-03	2.11E-03	0.002585	2.01E-03	1.70E-03	0.0020109
652 ALL	578100	4137305.01	2.19E-03	1.79E-03	0.0021943	1.71E-03	1.44E-03	0.0017069
653 ALL	578102.93	4137318.86	2.04E-03	1.66E-03	0.002039	1.59E-03	1.34E-03	0.0015861
654 ALL	578079.23	4137281	3.08E-03	2.51E-03	0.0030806	2.40E-03	2.02E-03	0.0023964
655 ALL	578071.46	4137275.95	3.34E-03	2.72E-03	0.0033393	2.60E-03	2.19E-03	0.0025976
656 ALL	578063.69	4137270.89	3.49E-03	2.84E-03	0.0034898	2.71E-03	2.29E-03	0.0027147
657 ALL	578055.92	4137265.84	3.51E-03	2.86E-03	0.0035088	2.73E-03	2.30E-03	0.0027295
658 ALL	578096.79	4137283.99	2.28E-03	1.86E-03	0.0022791	1.77E-03	1.49E-03	0.0017729
659 ALL	578105.46	4137296.63	1.98E-03	1.62E-03	0.0019841	1.54E-03	1.30E-03	0.0015434
660 ALL	578112.71	4137316.79	1.72E-03	1.40E-03	0.0017174	1.34E-03	1.13E-03	0.001336
661 ALL	578109.89	4137331.85	1.74E-03	1.42E-03	0.0017418	1.35E-03	1.14E-03	0.0013549
662 ALL	578118.71	4137299.62	1.58E-03	1.29E-03	0.0015821	1.23E-03	1.04E-03	0.0012307
663 ALL	578122.21	4137316.23	1.47E-03	1.20E-03	0.001474	1.15E-03	9.67E-04	0.0011466
664 ALL	578120.52	4137325.27	1.49E-03	1.22E-03	0.0014916	1.16E-03	9.78E-04	0.0011603
665 ALL	578108.42	4137268.28	1.79E-03	1.46E-03	0.0017932	1.39E-03	1.18E-03	0.0013949
666 ALL	578095.59	4137255.85	2.00E-03	1.63E-03	0.0020026	1.56E-03	1.31E-03	0.0015578
667 ALL	578087.82	4137250.8	2.11E-03	1.72E-03	0.0021113	1.64E-03	1.38E-03	0.0016424
668 ALL	578080.04	4137245.74	2.18E-03	1.78E-03	0.002182	1.70E-03	1.43E-03	0.0016974
669 ALL	578072.27	4137240.69	2.21E-03	1.80E-03	0.0022082	1.72E-03	1.45E-03	0.0017178
670 ALL	578113.76	4137259.74	1.61E-03	1.31E-03	0.0016133	1.25E-03	1.06E-03	0.001255
671 ALL	578123.67	4137274.19	1.46E-03	1.19E-03	0.0014561	1.13E-03	9.55E-04	0.0011327
672 ALL	578138.64	4137328.89	1.15E-03	9.34E-04	0.0011461	8.92E-04	7.51E-04	0.0008915
673 ALL	578135.42	4137346.1	1.14E-03	9.28E-04	0.0011391	8.86E-04	7.47E-04	0.0008861
674 ALL	578101.04	4137247.47	1.77E-03	1.44E-03	0.0017701	1.38E-03	1.16E-03	0.001377
675 ALL	578093.27	4137242.42	1.86E-03	1.51E-03	0.0018566	1.44E-03	1.22E-03	0.0014442
676 ALL	578085.5	4137237.36	1.91E-03	1.56E-03	0.001914	1.49E-03	1.26E-03	0.0014889
677 ALL	578077.72	4137232.31	1.94E-03	1.58E-03	0.0019384	1.51E-03	1.27E-03	0.0015079
678 ALL	578119.14	4137251.25	1.46E-03	1.19E-03	0.0014554	1.13E-03	9.55E-04	0.0011322
679 ALL	578128.89	4137265.46	1.34E-03	1.09E-03	0.0013377	1.04E-03	8.77E-04	0.0010406
680 ALL	578138.64	4137279.68	1.19E-03	9.69E-04	0.001189	9.25E-04	7.80E-04	0.0009249
681 ALL	578148.5	4137326.42	1.02E-03	8.29E-04	0.001017	7.91E-04	6.67E-04	0.0007911
682 ALL	578145.33	4137343.36	1.02E-03	8.29E-04	0.0010175	7.92E-04	6.67E-04	0.0007915
683 ALL	578106.49	4137239.09	1.58E-03	1.29E-03	0.0015776	1.23E-03	1.03E-03	0.0012272
684 ALL	578098.72	4137234.03	1.65E-03	1.34E-03	0.0016471	1.28E-03	1.08E-03	0.0012813
685 ALL	578090.95	4137228.98	1.69E-03	1.38E-03	0.0016947	1.32E-03	1.11E-03	0.0013183
686 ALL	578083.18	4137223.92	1.72E-03	1.40E-03	0.0017174	1.34E-03	1.13E-03	0.001336
687 ALL	578124.53	4137242.78	1.32E-03	1.08E-03	0.0013192	1.03E-03	8.65E-04	0.0010262
688 ALL	578134.16	4137256.82	1.23E-03	1.00E-03	0.0012308	9.57E-04	8.07E-04	0.0009574
689 ALL	578143.79	4137270.86	1.11E-03	9.05E-04	0.0011102	8.64E-04	7.28E-04	0.0008636
690 ALL	578161.48	4137307.3	8.90E-04	7.25E-04	0.0008899	6.92E-04	5.83E-04	0.0006922
691 ALL	578158.34	4137324.04	9.10E-04	7.41E-04	0.0009099	7.08E-04	5.97E-04	0.0007078
692 ALL	578155.21	4137340.77	9.15E-04	7.45E-04	0.0009145	7.11E-04	6.00E-04	0.0007114
693 ALL	578152.08	4137357.51	8.95E-04	7.29E-04	0.000895	6.96E-04	5.87E-04	0.0006962
694 ALL	578111.94	4137230.7	1.42E-03	1.15E-03	0.0014161	1.10E-03	9.29E-04	0.0011016
695 ALL	578104.17	4137225.65	1.47E-03	1.20E-03	0.0014733	1.15E-03	9.66E-04	0.0011461
696 ALL	578096.4	4137220.59	1.51E-03	1.23E-03	0.001514	1.18E-03	9.93E-04	0.0011777
697 ALL	578088.63	4137215.54	1.53E-03	1.25E-03	0.0015346	1.19E-03	1.01E-03	0.0011938
698 ALL	578150.86	4137249.77	9.99E-04	8.14E-04	0.0009993	7.77E-04	6.55E-04	0.0007774
699 ALL	578156.03	4137257.3	9.52E-04	7.76E-04	0.0009521	7.41E-04	6.24E-04	0.0007406
700 ALL	578171.53	4137279.9	8.06E-04	6.57E-04	0.0008057	6.27E-04	5.28E-04	0.0006268
701 ALL	578176.69	4137287.43	7.62E-04	6.21E-04	0.0007622	5.93E-04	5.00E-04	0.0005929
702 ALL	578180.18	4137303.94	7.32E-04	5.97E-04	0.0007324	5.70E-04	4.80E-04	0.0005697
703 ALL	578178.5	4137312.92	7.42E-04	6.05E-04	0.000742	5.77E-04	4.86E-04	0.0005772
704 ALL	578171.77	4137348.84	7.54E-04	6.14E-04	0.0007538	5.86E-04	4.94E-04	0.0005864
705 ALL	578170.09	4137357.81	7.45E-04	6.07E-04	0.0007448	5.79E-04	4.88E-04	0.0005794
706 ALL	578168.41	4137366.79	7.30E-04	5.95E-04	0.0007298	5.68E-04	4.78E-04	0.0005677
707 ALL	578099.11	4137199.42	1.26E-03	1.03E-03	0.0012598	9.80E-04	8.26E-04	0.00098

708 ALL	578091.34	4137194.36	1.26E-03	1.03E-03	0.0012626	9.82E-04	8.28E-04	0.0009822
709 ALL	578145.68	4137210.8	9.44E-04	7.69E-04	0.0009436	7.34E-04	6.19E-04	0.000734
710 ALL	578155.68	4137225.38	9.03E-04	7.36E-04	0.0009028	7.02E-04	5.92E-04	0.0007023
711 ALL	578199.05	4137299.68	6.14E-04	5.01E-04	0.0006144	4.78E-04	4.03E-04	0.0004779
712 ALL	578195.8	4137317.06	6.29E-04	5.13E-04	0.0006294	4.90E-04	4.13E-04	0.0004896
713 ALL	578189.29	4137351.81	6.36E-04	5.18E-04	0.0006361	4.95E-04	4.17E-04	0.0004948
714 ALL	578186.04	4137369.19	6.17E-04	5.03E-04	0.0006173	4.80E-04	4.05E-04	0.0004802
715 ALL	578132.91	4137198.46	9.91E-04	8.07E-04	0.0009908	7.71E-04	6.50E-04	0.0007707
716 ALL	578125.14	4137193.4	1.02E-03	8.31E-04	0.0010201	7.94E-04	6.69E-04	0.0007935
717 ALL	578117.37	4137188.35	1.04E-03	8.49E-04	0.0010419	8.10E-04	6.83E-04	0.0008105
718 ALL	578109.6	4137183.3	1.06E-03	8.60E-04	0.0010552	8.21E-04	6.92E-04	0.0008208
719 ALL	578101.82	4137178.24	1.06E-03	8.63E-04	0.0010594	8.24E-04	6.95E-04	0.0008241
720 ALL	578156.05	4137194.51	8.16E-04	6.65E-04	0.0008155	6.34E-04	5.35E-04	0.0006344
721 ALL	578165.81	4137208.74	7.89E-04	6.43E-04	0.0007891	6.14E-04	5.18E-04	0.0006139
722 ALL	578175.57	4137222.97	7.48E-04	6.09E-04	0.0007477	5.82E-04	4.90E-04	0.0005816
723 ALL	578195.09	4137251.44	6.40E-04	5.21E-04	0.0006397	4.98E-04	4.19E-04	0.0004976
724 ALL	578214.73	4137312.47	5.37E-04	4.38E-04	0.0005371	4.18E-04	3.52E-04	0.0004178
725 ALL	578211.55	4137329.43	5.46E-04	4.45E-04	0.0005465	4.25E-04	3.58E-04	0.0004251
726 ALL	578205.2	4137363.36	5.39E-04	4.39E-04	0.0005395	4.20E-04	3.54E-04	0.0004196
727 ALL	578202.03	4137380.32	5.18E-04	4.22E-04	0.0005177	4.03E-04	3.39E-04	0.0004027
728 ALL	578143.39	4137182.34	8.49E-04	6.92E-04	0.0008488	6.60E-04	5.57E-04	0.0006602
729 ALL	578135.62	4137177.28	8.71E-04	7.10E-04	0.0008707	6.77E-04	5.71E-04	0.0006773
730 ALL	578166.76	4137178.72	7.11E-04	5.80E-04	0.0007115	5.53E-04	4.67E-04	0.0005535
731 ALL	578187.2	4137208.53	6.60E-04	5.38E-04	0.0006602	5.14E-04	4.33E-04	0.0005136
732 ALL	578202.53	4137230.89	5.95E-04	4.85E-04	0.0005953	4.63E-04	3.90E-04	0.0004631
733 ALL	578212.76	4137245.79	5.48E-04	4.46E-04	0.0005477	4.26E-04	3.59E-04	0.0004261
734 ALL	578217.87	4137253.24	5.25E-04	4.28E-04	0.0005249	4.08E-04	3.44E-04	0.0004083
735 ALL	578222.98	4137260.69	5.03E-04	4.10E-04	0.0005033	3.92E-04	3.30E-04	0.0003915
736 ALL	578228.09	4137268.15	4.83E-04	3.94E-04	0.0004833	3.76E-04	3.17E-04	0.000376
737 ALL	578236.65	4137291.93	4.54E-04	3.70E-04	0.0004541	3.53E-04	2.98E-04	0.0003532
738 ALL	578229.99	4137327.46	4.75E-04	3.87E-04	0.0004746	3.69E-04	3.11E-04	0.0003692
739 ALL	578226.67	4137345.22	4.77E-04	3.89E-04	0.0004773	3.71E-04	3.13E-04	0.0003713
740 ALL	578223.34	4137362.99	4.71E-04	3.84E-04	0.0004709	3.66E-04	3.09E-04	0.0003663
741 ALL	578220.02	4137380.75	4.54E-04	3.70E-04	0.0004537	3.53E-04	2.97E-04	0.0003529
742 ALL	578218.36	4137389.63	4.41E-04	3.59E-04	0.000441	3.43E-04	2.89E-04	0.000343
743 ALL	578161.65	4137171.27	7.16E-04	5.83E-04	0.0007159	5.57E-04	4.69E-04	0.0005569
744 ALL	578153.88	4137166.22	7.36E-04	6.00E-04	0.0007363	5.73E-04	4.83E-04	0.0005728
745 ALL	578146.11	4137161.16	7.53E-04	6.14E-04	0.0007534	5.86E-04	4.94E-04	0.0005861
746 ALL	578138.33	4137156.11	7.67E-04	6.25E-04	0.0007667	5.96E-04	5.03E-04	0.0005964
747 ALL	578130.56	4137151.05	7.76E-04	6.32E-04	0.0007757	6.03E-04	5.09E-04	0.0006034
748 ALL	578122.79	4137146	7.80E-04	6.36E-04	0.0007801	6.07E-04	5.12E-04	0.0006068
749 ALL	578177.13	4137162.44	6.27E-04	5.11E-04	0.0006271	4.88E-04	4.11E-04	0.0004878
750 ALL	578187.13	4137177.02	6.14E-04	5.01E-04	0.0006143	4.78E-04	4.03E-04	0.0004778
751 ALL	578197.13	4137191.6	5.92E-04	4.82E-04	0.000592	4.61E-04	3.88E-04	0.0004605
752 ALL	578202.13	4137198.89	5.78E-04	4.71E-04	0.0005776	4.49E-04	3.79E-04	0.0004493
753 ALL	578232.13	4137242.63	4.69E-04	3.82E-04	0.0004688	3.65E-04	3.07E-04	0.0003647
754 ALL	578242.13	4137257.21	4.35E-04	3.54E-04	0.0004347	3.38E-04	2.85E-04	0.0003381
755 ALL	578252.13	4137271.79	4.05E-04	3.30E-04	0.0004054	3.15E-04	2.66E-04	0.0003153
756 ALL	578255.5	4137287.77	3.98E-04	3.24E-04	0.0003976	3.09E-04	2.61E-04	0.0003093
757 ALL	578248.99	4137322.52	4.16E-04	3.39E-04	0.0004158	3.23E-04	2.73E-04	0.0003235
758 ALL	578245.74	4137339.9	4.20E-04	3.42E-04	0.0004198	3.27E-04	2.75E-04	0.0003266
759 ALL	578239.23	4137374.65	4.07E-04	3.32E-04	0.0004073	3.17E-04	2.67E-04	0.0003168
760 ALL	578235.98	4137392.03	3.89E-04	3.17E-04	0.0003887	3.02E-04	2.55E-04	0.0003023
761 ALL	578232.73	4137409.41	3.63E-04	2.95E-04	0.0003626	2.82E-04	2.38E-04	0.000282
762 ALL	578164.36	4137150.09	6.46E-04	5.26E-04	0.0006458	5.02E-04	4.24E-04	0.0005024
763 ALL	578156.59	4137145.04	6.59E-04	5.37E-04	0.0006593	5.13E-04	4.32E-04	0.0005128
764 ALL	578148.82	4137139.99	6.70E-04	5.46E-04	0.0006699	5.21E-04	4.39E-04	0.0005211
765 ALL	578141.05	4137134.93	6.77E-04	5.52E-04	0.0006773	5.27E-04	4.44E-04	0.0005268
766 ALL	578133.27	4137129.88	6.81E-04	5.55E-04	0.0006811	5.30E-04	4.47E-04	0.0005298

767 ALL	578198.17	4137161.71	5.48E-04	4.46E-04	0.0005477	4.26E-04	3.59E-04	0.000426
768 ALL	578203.36	4137169.27	5.40E-04	4.40E-04	0.00054	4.20E-04	3.54E-04	0.00042
769 ALL	578208.54	4137176.83	5.30E-04	4.32E-04	0.0005302	4.12E-04	3.48E-04	0.0004124
770 ALL	578213.73	4137184.39	5.19E-04	4.23E-04	0.0005185	4.03E-04	3.40E-04	0.0004034
771 ALL	578218.91	4137191.95	5.05E-04	4.12E-04	0.0005052	3.93E-04	3.31E-04	0.000393
772 ALL	578224.09	4137199.51	4.91E-04	4.00E-04	0.0004907	3.82E-04	3.22E-04	0.0003817
773 ALL	578229.28	4137207.07	4.75E-04	3.87E-04	0.0004751	3.70E-04	3.12E-04	0.0003696
774 ALL	578234.46	4137214.63	4.59E-04	3.74E-04	0.000459	3.57E-04	3.01E-04	0.0003571
775 ALL	578239.65	4137222.19	4.43E-04	3.61E-04	0.0004427	3.44E-04	2.90E-04	0.0003444
776 ALL	578270.76	4137267.55	3.58E-04	2.92E-04	0.0003579	2.78E-04	2.35E-04	0.0002784
777 ALL	578274.25	4137284.12	3.52E-04	2.87E-04	0.0003519	2.74E-04	2.31E-04	0.0002737
778 ALL	578272.57	4137293.13	3.57E-04	2.91E-04	0.0003566	2.77E-04	2.34E-04	0.0002774
779 ALL	578270.88	4137302.14	3.61E-04	2.94E-04	0.0003611	2.81E-04	2.37E-04	0.0002809
780 ALL	578264.13	4137338.18	3.72E-04	3.03E-04	0.0003724	2.90E-04	2.44E-04	0.0002897
781 ALL	578262.45	4137347.19	3.72E-04	3.03E-04	0.0003723	2.90E-04	2.44E-04	0.0002896
782 ALL	578260.76	4137356.2	3.71E-04	3.02E-04	0.0003709	2.88E-04	2.43E-04	0.0002885
783 ALL	578259.07	4137365.21	3.68E-04	3.00E-04	0.0003677	2.86E-04	2.41E-04	0.000286
784 ALL	578254.01	4137392.24	3.47E-04	2.83E-04	0.0003475	2.70E-04	2.28E-04	0.0002703
785 ALL	578252.32	4137401.25	3.37E-04	2.75E-04	0.0003374	2.62E-04	2.21E-04	0.0002624
786 ALL	578250.64	4137410.26	3.26E-04	2.65E-04	0.0003257	2.53E-04	2.14E-04	0.0002534
787 ALL	578248.95	4137419.28	3.13E-04	2.55E-04	0.0003128	2.43E-04	2.05E-04	0.0002433
788 ALL	578233.76	4137182.2	4.50E-04	3.67E-04	0.0004499	3.50E-04	2.95E-04	0.00035
789 ALL	578243.93	4137197.02	4.25E-04	3.47E-04	0.0004254	3.31E-04	2.79E-04	0.0003309
790 ALL	578249.01	4137204.43	4.12E-04	3.36E-04	0.0004121	3.21E-04	2.70E-04	0.0003206
791 ALL	578259.18	4137219.25	3.85E-04	3.14E-04	0.0003854	3.00E-04	2.53E-04	0.0002998
792 ALL	578264.26	4137226.67	3.72E-04	3.03E-04	0.0003724	2.90E-04	2.44E-04	0.0002897
793 ALL	578274.43	4137241.49	3.48E-04	2.84E-04	0.0003483	2.71E-04	2.28E-04	0.0002709
794 ALL	578279.51	4137248.9	3.37E-04	2.75E-04	0.0003374	2.62E-04	2.21E-04	0.0002625
795 ALL	578289.8	4137297.64	3.22E-04	2.62E-04	0.0003219	2.50E-04	2.11E-04	0.0002504
796 ALL	578286.49	4137315.3	3.29E-04	2.68E-04	0.0003286	2.56E-04	2.15E-04	0.0002556
797 ALL	578279.87	4137350.64	3.33E-04	2.71E-04	0.0003327	2.59E-04	2.18E-04	0.0002588
798 ALL	578271.6	4137394.8	3.11E-04	2.53E-04	0.0003105	2.42E-04	2.04E-04	0.0002416
799 ALL	578269.95	4137403.64	3.02E-04	2.46E-04	0.0003021	2.35E-04	1.98E-04	0.000235
800 ALL	578266.64	4137421.31	2.82E-04	2.30E-04	0.0002819	2.19E-04	1.85E-04	0.0002193
801 ALL	578264.99	4137430.14	2.70E-04	2.20E-04	0.0002705	2.10E-04	1.77E-04	0.0002104
802 ALL	578271.67	4137206.07	3.54E-04	2.89E-04	0.0003542	2.75E-04	2.32E-04	0.0002755
803 ALL	578276.91	4137213.7	3.43E-04	2.79E-04	0.0003427	2.67E-04	2.25E-04	0.0002666
804 ALL	578282.15	4137221.34	3.32E-04	2.70E-04	0.0003316	2.58E-04	2.17E-04	0.0002579
805 ALL	578287.39	4137228.98	3.21E-04	2.62E-04	0.000321	2.50E-04	2.10E-04	0.0002497
806 ALL	578292.62	4137236.61	3.11E-04	2.53E-04	0.000311	2.42E-04	2.04E-04	0.000242
807 ALL	578297.86	4137244.25	3.02E-04	2.46E-04	0.0003019	2.35E-04	1.98E-04	0.0002348
808 ALL	578303.1	4137251.89	2.93E-04	2.39E-04	0.0002934	2.28E-04	1.92E-04	0.0002283
809 ALL	578308.34	4137259.53	2.86E-04	2.33E-04	0.0002857	2.22E-04	1.87E-04	0.0002223
810 ALL	578306.76	4137303.57	2.93E-04	2.39E-04	0.0002929	2.28E-04	1.92E-04	0.0002278
811 ALL	578305.05	4137312.68	2.96E-04	2.41E-04	0.0002957	2.30E-04	1.94E-04	0.00023
812 ALL	578303.35	4137321.78	2.98E-04	2.43E-04	0.000298	2.32E-04	1.95E-04	0.0002318
813 ALL	578301.64	4137330.88	2.99E-04	2.44E-04	0.0002995	2.33E-04	1.96E-04	0.000233
814 ALL	578286.31	4137412.8	2.66E-04	2.17E-04	0.0002664	2.07E-04	1.75E-04	0.0002073
815 ALL	578284.6	4137421.91	2.57E-04	2.10E-04	0.0002574	2.00E-04	1.69E-04	0.0002002
816 ALL	578282.9	4137431.01	2.48E-04	2.02E-04	0.0002476	1.93E-04	1.62E-04	0.0001926
817 ALL	578203.59	4137106.78	4.51E-04	3.67E-04	0.0004506	3.50E-04	2.95E-04	0.0003505
818 ALL	578195.81	4137101.73	4.59E-04	3.74E-04	0.000459	3.57E-04	3.01E-04	0.0003571
819 ALL	578188.04	4137096.67	4.66E-04	3.80E-04	0.0004662	3.63E-04	3.06E-04	0.0003626
820 ALL	578180.27	4137091.62	4.72E-04	3.85E-04	0.000472	3.67E-04	3.10E-04	0.0003672
821 ALL	578172.5	4137086.57	4.76E-04	3.88E-04	0.0004762	3.70E-04	3.12E-04	0.0003705
822 ALL	578219.21	4137098.16	4.08E-04	3.32E-04	0.0004079	3.17E-04	2.67E-04	0.0003173
823 ALL	578224.36	4137105.66	4.06E-04	3.31E-04	0.0004064	3.16E-04	2.67E-04	0.0003161
824 ALL	578229.5	4137113.16	4.04E-04	3.29E-04	0.0004038	3.14E-04	2.65E-04	0.0003141
825 ALL	578234.65	4137120.67	4.00E-04	3.26E-04	0.0004002	3.11E-04	2.62E-04	0.0003113

826 ALL	578239.79	4137128.17	3.96E-04	3.22E-04	0.0003956	3.08E-04	2.59E-04	0.0003077
827 ALL	578306.67	4137225.68	2.86E-04	2.33E-04	0.0002863	2.23E-04	1.88E-04	0.0002227
828 ALL	578311.81	4137233.19	2.78E-04	2.27E-04	0.0002783	2.16E-04	1.82E-04	0.0002165
829 ALL	578316.96	4137240.69	2.71E-04	2.21E-04	0.0002709	2.11E-04	1.78E-04	0.0002107
830 ALL	578322.1	4137248.19	2.64E-04	2.15E-04	0.0002642	2.05E-04	1.73E-04	0.0002055
831 ALL	578327.25	4137255.69	2.58E-04	2.10E-04	0.0002579	2.01E-04	1.69E-04	0.0002006
832 ALL	578330.72	4137272.13	2.55E-04	2.08E-04	0.0002553	1.99E-04	1.67E-04	0.0001986
833 ALL	578320.67	4137325.78	2.71E-04	2.21E-04	0.000271	2.11E-04	1.78E-04	0.0002108
834 ALL	578319	4137334.72	2.72E-04	2.22E-04	0.000272	2.12E-04	1.78E-04	0.0002115
835 ALL	578317.33	4137343.66	2.72E-04	2.22E-04	0.0002721	2.12E-04	1.78E-04	0.0002117
836 ALL	578303.93	4137415.18	2.42E-04	1.97E-04	0.0002422	1.88E-04	1.59E-04	0.0001884
837 ALL	578300.59	4137433.06	2.27E-04	1.85E-04	0.0002266	1.76E-04	1.49E-04	0.0001763
838 ALL	578298.91	4137442	2.18E-04	1.78E-04	0.0002179	1.69E-04	1.43E-04	0.0001695
839 ALL	578214.07	4137090.66	4.08E-04	3.33E-04	0.0004083	3.18E-04	2.68E-04	0.0003176
840 ALL	578206.3	4137085.61	4.15E-04	3.39E-04	0.0004154	3.23E-04	2.72E-04	0.0003231
841 ALL	578198.53	4137080.55	4.21E-04	3.43E-04	0.0004214	3.28E-04	2.76E-04	0.0003278
842 ALL	578190.75	4137075.5	4.26E-04	3.47E-04	0.0004263	3.32E-04	2.80E-04	0.0003316
843 ALL	578182.98	4137070.44	4.30E-04	3.50E-04	0.0004299	3.34E-04	2.82E-04	0.0003344
844 ALL	578229.62	4137081.93	3.72E-04	3.03E-04	0.0003717	2.89E-04	2.44E-04	0.0002891
845 ALL	578239.75	4137096.7	3.69E-04	3.01E-04	0.0003688	2.87E-04	2.42E-04	0.0002869
846 ALL	578249.88	4137111.47	3.63E-04	2.95E-04	0.0003626	2.82E-04	2.38E-04	0.000282
847 ALL	578260.02	4137126.25	3.54E-04	2.88E-04	0.0003536	2.75E-04	2.32E-04	0.0002751
848 ALL	578349.56	4137268.02	2.32E-04	1.89E-04	0.0002323	1.81E-04	1.52E-04	0.0001807
849 ALL	578346.26	4137285.63	2.38E-04	1.94E-04	0.000238	1.85E-04	1.56E-04	0.0001852
850 ALL	578338.02	4137329.66	2.48E-04	2.02E-04	0.0002477	1.93E-04	1.62E-04	0.0001926
851 ALL	578334.72	4137347.27	2.48E-04	2.02E-04	0.000248	1.93E-04	1.63E-04	0.0001929
852 ALL	578331.43	4137364.87	2.46E-04	2.00E-04	0.0002458	1.91E-04	1.61E-04	0.0001912
853 ALL	578329.78	4137373.68	2.44E-04	1.98E-04	0.0002436	1.89E-04	1.60E-04	0.0001895
854 ALL	578319.89	4137426.51	2.15E-04	1.75E-04	0.0002148	1.67E-04	1.41E-04	0.0001671
855 ALL	578316.59	4137444.12	2.01E-04	1.63E-04	0.0002006	1.56E-04	1.31E-04	0.000156
856 ALL	578224.55	4137074.54	3.72E-04	3.03E-04	0.0003718	2.89E-04	2.44E-04	0.0002892
857 ALL	578216.78	4137069.48	3.78E-04	3.08E-04	0.0003778	2.94E-04	2.48E-04	0.0002939
858 ALL	578209.01	4137064.43	3.83E-04	3.12E-04	0.0003829	2.98E-04	2.51E-04	0.0002978
859 ALL	578201.24	4137059.38	3.87E-04	3.15E-04	0.000387	3.01E-04	2.54E-04	0.000301
860 ALL	578193.47	4137054.32	3.90E-04	3.18E-04	0.0003901	3.03E-04	2.56E-04	0.0003034
861 ALL	578240.23	4137065.99	3.40E-04	2.77E-04	0.0003403	2.65E-04	2.23E-04	0.0002647
862 ALL	578245.42	4137073.56	3.40E-04	2.77E-04	0.0003396	2.64E-04	2.23E-04	0.0002641
863 ALL	578250.61	4137081.13	3.38E-04	2.75E-04	0.000338	2.63E-04	2.22E-04	0.000263
864 ALL	578255.8	4137088.7	3.36E-04	2.74E-04	0.0003358	2.61E-04	2.20E-04	0.0002612
865 ALL	578261	4137096.27	3.33E-04	2.71E-04	0.0003328	2.59E-04	2.18E-04	0.0002589
866 ALL	578266.19	4137103.84	3.29E-04	2.68E-04	0.0003293	2.56E-04	2.16E-04	0.0002561
867 ALL	578271.38	4137111.41	3.25E-04	2.65E-04	0.0003252	2.53E-04	2.13E-04	0.000253
868 ALL	578302.53	4137156.83	2.90E-04	2.36E-04	0.0002901	2.26E-04	1.90E-04	0.0002257
869 ALL	578307.72	4137164.4	2.83E-04	2.31E-04	0.0002829	2.20E-04	1.85E-04	0.0002201
870 ALL	578312.91	4137171.97	2.75E-04	2.24E-04	0.0002755	2.14E-04	1.81E-04	0.0002143
871 ALL	578318.1	4137179.54	2.68E-04	2.18E-04	0.000268	2.09E-04	1.76E-04	0.0002085
872 ALL	578364.95	4137282.32	2.18E-04	1.77E-04	0.0002179	1.69E-04	1.43E-04	0.0001695
873 ALL	578363.26	4137291.34	2.20E-04	1.79E-04	0.0002203	1.71E-04	1.44E-04	0.0001713
874 ALL	578361.58	4137300.36	2.22E-04	1.81E-04	0.0002225	1.73E-04	1.46E-04	0.000173
875 ALL	578359.89	4137309.39	2.24E-04	1.83E-04	0.0002243	1.75E-04	1.47E-04	0.0001745
876 ALL	578358.2	4137318.41	2.26E-04	1.84E-04	0.0002258	1.76E-04	1.48E-04	0.0001757
877 ALL	578349.75	4137363.52	2.26E-04	1.84E-04	0.0002256	1.75E-04	1.48E-04	0.0001755
878 ALL	578348.06	4137372.55	2.24E-04	1.82E-04	0.0002237	1.74E-04	1.47E-04	0.000174
879 ALL	578346.37	4137381.57	2.21E-04	1.80E-04	0.0002211	1.72E-04	1.45E-04	0.000172
880 ALL	578344.68	4137390.59	2.18E-04	1.77E-04	0.0002179	1.69E-04	1.43E-04	0.0001695
881 ALL	578342.99	4137399.61	2.14E-04	1.74E-04	0.000214	1.66E-04	1.40E-04	0.0001664
882 ALL	578341.31	4137408.64	2.09E-04	1.71E-04	0.0002095	1.63E-04	1.37E-04	0.0001629
883 ALL	578339.62	4137417.66	2.04E-04	1.67E-04	0.0002044	1.59E-04	1.34E-04	0.000159
884 ALL	578337.93	4137426.68	1.99E-04	1.62E-04	0.0001988	1.55E-04	1.30E-04	0.0001547

885 ALL	578336.24	4137435.71	1.93E-04	1.57E-04	0.0001928	1.50E-04	1.26E-04	0.00015
886 ALL	578334.55	4137444.73	1.86E-04	1.52E-04	0.0001864	1.45E-04	1.22E-04	0.000145
887 ALL	578332.86	4137453.75	1.80E-04	1.46E-04	0.0001796	1.40E-04	1.18E-04	0.0001397
888 ALL	578235.04	4137058.42	3.40E-04	2.77E-04	0.0003402	2.65E-04	2.23E-04	0.0002646
889 ALL	578227.26	4137053.36	3.45E-04	2.81E-04	0.0003453	2.69E-04	2.26E-04	0.0002686
890 ALL	578219.49	4137048.31	3.50E-04	2.85E-04	0.0003496	2.72E-04	2.29E-04	0.0002719
891 ALL	578211.72	4137043.25	3.53E-04	2.88E-04	0.0003532	2.75E-04	2.32E-04	0.0002747
892 ALL	578203.95	4137038.2	3.56E-04	2.90E-04	0.0003559	2.77E-04	2.33E-04	0.0002769
893 ALL	578250.64	4137049.76	3.13E-04	2.55E-04	0.0003127	2.43E-04	2.05E-04	0.0002433
894 ALL	578255.76	4137057.22	3.12E-04	2.54E-04	0.0003122	2.43E-04	2.05E-04	0.0002429
895 ALL	578260.88	4137064.69	3.11E-04	2.54E-04	0.0003111	2.42E-04	2.04E-04	0.000242
896 ALL	578265.99	4137072.15	3.09E-04	2.52E-04	0.0003095	2.41E-04	2.03E-04	0.0002407
897 ALL	578276.23	4137087.08	3.04E-04	2.48E-04	0.0003044	2.37E-04	2.00E-04	0.0002368
898 ALL	578281.35	4137094.54	3.01E-04	2.45E-04	0.0003012	2.34E-04	1.97E-04	0.0002343
899 ALL	578286.47	4137102	2.97E-04	2.42E-04	0.0002974	2.31E-04	1.95E-04	0.0002313
900 ALL	578291.59	4137109.47	2.93E-04	2.39E-04	0.0002932	2.28E-04	1.92E-04	0.0002281
901 ALL	578296.71	4137116.93	2.89E-04	2.35E-04	0.0002887	2.25E-04	1.89E-04	0.0002246
902 ALL	578301.82	4137124.39	2.84E-04	2.31E-04	0.0002838	2.21E-04	1.86E-04	0.0002208
903 ALL	578312.06	4137139.32	2.73E-04	2.22E-04	0.0002729	2.12E-04	1.79E-04	0.0002123
904 ALL	578317.18	4137146.79	2.67E-04	2.17E-04	0.0002669	2.08E-04	1.75E-04	0.0002076
905 ALL	578322.3	4137154.25	2.61E-04	2.12E-04	0.0002607	2.03E-04	1.71E-04	0.0002028
906 ALL	578327.42	4137161.71	2.54E-04	2.07E-04	0.0002543	1.98E-04	1.67E-04	0.0001978
907 ALL	578332.53	4137169.18	2.48E-04	2.02E-04	0.0002479	1.93E-04	1.63E-04	0.0001928
908 ALL	578337.65	4137176.64	2.41E-04	1.97E-04	0.0002415	1.88E-04	1.58E-04	0.0001879
909 ALL	578347.89	4137191.57	2.29E-04	1.87E-04	0.0002292	1.78E-04	1.50E-04	0.0001783
910 ALL	578353.01	4137199.03	2.23E-04	1.82E-04	0.0002234	1.74E-04	1.46E-04	0.0001738
911 ALL	578378.85	4137304.65	2.06E-04	1.68E-04	0.000206	1.60E-04	1.35E-04	0.0001603
912 ALL	578375.51	4137322.44	2.09E-04	1.70E-04	0.0002085	1.62E-04	1.37E-04	0.0001622
913 ALL	578372.18	4137340.23	2.09E-04	1.71E-04	0.0002094	1.63E-04	1.37E-04	0.0001629
914 ALL	578355.53	4137429.19	1.83E-04	1.49E-04	0.0001833	1.43E-04	1.20E-04	0.0001426
915 ALL	578352.2	4137446.98	1.73E-04	1.41E-04	0.0001726	1.34E-04	1.13E-04	0.0001343
916 ALL	578350.53	4137455.88	1.67E-04	1.36E-04	0.0001668	1.30E-04	1.09E-04	0.0001297
917 ALL	578245.52	4137042.29	3.13E-04	2.55E-04	0.0003126	2.43E-04	2.05E-04	0.0002432
918 ALL	578237.75	4137037.24	3.17E-04	2.58E-04	0.000317	2.47E-04	2.08E-04	0.0002466
919 ALL	578229.98	4137032.19	3.21E-04	2.61E-04	0.0003208	2.50E-04	2.10E-04	0.0002495
920 ALL	578222.2	4137027.13	3.24E-04	2.64E-04	0.0003239	2.52E-04	2.12E-04	0.000252
921 ALL	578214.43	4137022.08	3.26E-04	2.66E-04	0.0003264	2.54E-04	2.14E-04	0.0002539
922 ALL	578206.66	4137017.02	3.28E-04	2.67E-04	0.0003281	2.55E-04	2.15E-04	0.0002552
923 ALL	578261.23	4137033.8	2.89E-04	2.35E-04	0.0002886	2.24E-04	1.89E-04	0.0002245
924 ALL	578266.46	4137041.42	2.88E-04	2.35E-04	0.0002882	2.24E-04	1.89E-04	0.0002242
925 ALL	578271.69	4137049.05	2.87E-04	2.34E-04	0.0002872	2.23E-04	1.88E-04	0.0002234
926 ALL	578276.92	4137056.67	2.86E-04	2.33E-04	0.0002859	2.22E-04	1.87E-04	0.0002224
927 ALL	578282.15	4137064.3	2.84E-04	2.31E-04	0.000284	2.21E-04	1.86E-04	0.0002209
928 ALL	578287.38	4137071.92	2.82E-04	2.30E-04	0.0002817	2.19E-04	1.85E-04	0.0002191
929 ALL	578292.61	4137079.55	2.79E-04	2.27E-04	0.0002789	2.17E-04	1.83E-04	0.000217
930 ALL	578297.84	4137087.17	2.76E-04	2.25E-04	0.0002757	2.14E-04	1.81E-04	0.0002145
931 ALL	578303.07	4137094.8	2.72E-04	2.22E-04	0.0002721	2.12E-04	1.78E-04	0.0002117
932 ALL	578308.3	4137102.43	2.68E-04	2.18E-04	0.0002681	2.09E-04	1.76E-04	0.0002086
933 ALL	578313.53	4137110.05	2.64E-04	2.15E-04	0.0002639	2.05E-04	1.73E-04	0.0002053
934 ALL	578318.76	4137117.68	2.59E-04	2.11E-04	0.0002593	2.02E-04	1.70E-04	0.0002017
935 ALL	578323.99	4137125.3	2.54E-04	2.07E-04	0.0002544	1.98E-04	1.67E-04	0.0001979
936 ALL	578329.21	4137132.93	2.49E-04	2.03E-04	0.0002492	1.94E-04	1.63E-04	0.0001939
937 ALL	578334.44	4137140.55	2.44E-04	1.99E-04	0.0002438	1.90E-04	1.60E-04	0.0001896
938 ALL	578339.67	4137148.18	2.38E-04	1.94E-04	0.0002381	1.85E-04	1.56E-04	0.0001852
939 ALL	578344.9	4137155.8	2.32E-04	1.89E-04	0.0002323	1.81E-04	1.52E-04	0.0001807
940 ALL	578350.13	4137163.43	2.27E-04	1.85E-04	0.0002265	1.76E-04	1.49E-04	0.0001762
941 ALL	578355.36	4137171.05	2.21E-04	1.80E-04	0.0002208	1.72E-04	1.45E-04	0.0001718
942 ALL	578360.59	4137178.68	2.15E-04	1.75E-04	0.0002152	1.67E-04	1.41E-04	0.0001674
943 ALL	578365.82	4137186.3	2.10E-04	1.71E-04	0.0002098	1.63E-04	1.38E-04	0.0001632

944 ALL	578371.05	4137193.93	2.05E-04	1.67E-04	0.0002048	1.59E-04	1.34E-04	0.0001593
945 ALL	578376.28	4137201.55	2.00E-04	1.63E-04	0.0002001	1.56E-04	1.31E-04	0.0001556
946 ALL	578381.51	4137209.18	1.96E-04	1.59E-04	0.0001957	1.52E-04	1.28E-04	0.0001522
947 ALL	578386.74	4137216.8	1.92E-04	1.56E-04	0.0001917	1.49E-04	1.26E-04	0.0001491
948 ALL	578405.95	4137256.39	1.80E-04	1.47E-04	0.0001805	1.40E-04	1.18E-04	0.0001404
949 ALL	578394.04	4137320.01	1.93E-04	1.57E-04	0.0001927	1.50E-04	1.26E-04	0.0001499
950 ALL	578392.34	4137329.1	1.93E-04	1.57E-04	0.0001933	1.50E-04	1.27E-04	0.0001504
951 ALL	578390.64	4137338.19	1.94E-04	1.58E-04	0.0001936	1.51E-04	1.27E-04	0.0001506
952 ALL	578388.94	4137347.28	1.93E-04	1.58E-04	0.0001935	1.50E-04	1.27E-04	0.0001505
953 ALL	578387.24	4137356.36	1.93E-04	1.57E-04	0.0001928	1.50E-04	1.26E-04	0.00015
954 ALL	578385.54	4137365.45	1.92E-04	1.56E-04	0.0001917	1.49E-04	1.26E-04	0.0001492
955 ALL	578383.83	4137374.54	1.90E-04	1.55E-04	0.0001902	1.48E-04	1.25E-04	0.0001479
956 ALL	578382.13	4137383.63	1.88E-04	1.53E-04	0.0001881	1.46E-04	1.23E-04	0.0001463
957 ALL	578365.12	4137474.51	1.45E-04	1.18E-04	0.0001453	1.13E-04	9.53E-05	0.000113
958 ALL	578363.42	4137483.6	1.40E-04	1.14E-04	0.0001396	1.09E-04	9.15E-05	0.0001086
959 ALL	578361.72	4137492.69	1.34E-04	1.09E-04	0.0001338	1.04E-04	8.77E-05	0.000104
960 ALL	578360.01	4137501.77	1.28E-04	1.04E-04	0.0001279	9.95E-05	8.38E-05	9.946E-05
961 ALL	578256	4137026.17	2.88E-04	2.35E-04	0.0002884	2.24E-04	1.89E-04	0.0002243
962 ALL	578248.23	4137021.12	2.92E-04	2.38E-04	0.0002922	2.27E-04	1.92E-04	0.0002273
963 ALL	578240.46	4137016.06	2.95E-04	2.41E-04	0.0002954	2.30E-04	1.94E-04	0.0002298
964 ALL	578232.69	4137011.01	2.98E-04	2.43E-04	0.0002982	2.32E-04	1.96E-04	0.000232
965 ALL	578224.92	4137005.96	3.00E-04	2.45E-04	0.0003004	2.34E-04	1.97E-04	0.0002337
966 ALL	578217.14	4137000.9	3.02E-04	2.46E-04	0.000302	2.35E-04	1.98E-04	0.0002349
967 ALL	578015.92	4137279.05	4.31E-03	3.51E-03	0.0043059	3.35E-03	2.83E-03	0.0033495
968 ALL	578004.43	4137291.25	4.29E-03	3.49E-03	0.0042864	3.33E-03	2.81E-03	0.0033344
969 ALL	577999.25	4137299.15	4.26E-03	3.47E-03	0.0042575	3.31E-03	2.79E-03	0.0033119
970 ALL	577994.07	4137307.05	4.17E-03	3.40E-03	0.0041679	3.24E-03	2.73E-03	0.0032422
971 ALL	577988.89	4137314.95	4.06E-03	3.31E-03	0.0040592	3.16E-03	2.66E-03	0.0031576
972 ALL	577983.71	4137322.86	3.94E-03	3.21E-03	0.0039374	3.06E-03	2.58E-03	0.0030629
973 ALL	577978.53	4137330.76	3.79E-03	3.09E-03	0.0037912	2.95E-03	2.49E-03	0.0029492
974 ALL	577973.35	4137338.66	3.61E-03	2.94E-03	0.0036108	2.81E-03	2.37E-03	0.0028088
975 ALL	577968.16	4137346.56	3.39E-03	2.76E-03	0.003387	2.63E-03	2.22E-03	0.0026347
976 ALL	577962.98	4137354.46	3.12E-03	2.54E-03	0.0031192	2.43E-03	2.05E-03	0.0024264
977 ALL	577957.8	4137362.36	2.80E-03	2.28E-03	0.0027998	2.18E-03	1.84E-03	0.002178
978 ALL	577952.62	4137370.26	2.44E-03	1.99E-03	0.002441	1.90E-03	1.60E-03	0.0018988
979 ALL	577947.44	4137378.16	2.08E-03	1.69E-03	0.0020751	1.61E-03	1.36E-03	0.0016142
980 ALL	577942.26	4137386.06	1.76E-03	1.44E-03	0.0017629	1.37E-03	1.16E-03	0.0013714
981 ALL	577937.08	4137393.96	1.56E-03	1.28E-03	0.0015634	1.22E-03	1.03E-03	0.0012162
982 ALL	577931.9	4137401.86	1.48E-03	1.20E-03	0.0014776	1.15E-03	9.70E-04	0.0011494
983 ALL	578007.56	4137273.57	3.41E-03	2.78E-03	0.0034118	2.65E-03	2.24E-03	0.002654
984 ALL	578027.68	4137266.36	3.75E-03	3.06E-03	0.0037544	2.92E-03	2.46E-03	0.0029205
985 ALL	577996.07	4137285.77	3.27E-03	2.67E-03	0.0032715	2.54E-03	2.15E-03	0.0025449
986 ALL	577990.89	4137293.67	3.21E-03	2.62E-03	0.0032133	2.50E-03	2.11E-03	0.0024996
987 ALL	577985.71	4137301.57	3.11E-03	2.54E-03	0.0031116	2.42E-03	2.04E-03	0.0024205
988 ALL	577980.53	4137309.47	2.99E-03	2.43E-03	0.0029865	2.32E-03	1.96E-03	0.0023232
989 ALL	577975.35	4137317.37	2.85E-03	2.32E-03	0.0028474	2.21E-03	1.87E-03	0.002215
990 ALL	577970.17	4137325.27	2.68E-03	2.19E-03	0.0026832	2.09E-03	1.76E-03	0.0020873
991 ALL	577964.98	4137333.17	2.50E-03	2.04E-03	0.0025	1.94E-03	1.64E-03	0.0019447
992 ALL	577959.8	4137341.07	2.30E-03	1.87E-03	0.0022979	1.79E-03	1.51E-03	0.0017875
993 ALL	577954.62	4137348.97	2.08E-03	1.69E-03	0.0020757	1.61E-03	1.36E-03	0.0016147
994 ALL	577949.44	4137356.87	1.84E-03	1.50E-03	0.0018374	1.43E-03	1.21E-03	0.0014293
995 ALL	577944.26	4137364.78	1.60E-03	1.30E-03	0.0015966	1.24E-03	1.05E-03	0.001242
996 ALL	577939.08	4137372.68	1.38E-03	1.12E-03	0.0013787	1.07E-03	9.05E-04	0.0010725
997 ALL	577933.9	4137380.58	1.21E-03	9.90E-04	0.0012138	9.44E-04	7.97E-04	0.0009442
998 ALL	577928.71	4137388.48	1.12E-03	9.10E-04	0.0011154	8.68E-04	7.32E-04	0.0008677
999 ALL	577923.53	4137396.38	1.07E-03	8.76E-04	0.0010735	8.35E-04	7.05E-04	0.0008351
1000 ALL	577999.2	4137268.08	2.72E-03	2.22E-03	0.0027232	2.12E-03	1.79E-03	0.0021184
1001 ALL	578011.82	4137259.48	2.88E-03	2.35E-03	0.0028786	2.24E-03	1.89E-03	0.0022393
1002 ALL	578025.63	4137256.58	3.11E-03	2.53E-03	0.0031052	2.42E-03	2.04E-03	0.0024155

1003 ALL	577987.71	4137280.28	2.55E-03	2.08E-03	0.0025491	1.98E-03	1.67E-03	0.0019829
1004 ALL	577982.53	4137288.19	2.48E-03	2.02E-03	0.0024794	1.93E-03	1.63E-03	0.0019287
1005 ALL	577977.35	4137296.09	2.38E-03	1.94E-03	0.0023782	1.85E-03	1.56E-03	0.00185
1006 ALL	577972.17	4137303.99	2.26E-03	1.84E-03	0.0022563	1.76E-03	1.48E-03	0.0017552
1007 ALL	577966.98	4137311.89	2.12E-03	1.73E-03	0.0021193	1.65E-03	1.39E-03	0.0016486
1008 ALL	577961.8	4137319.79	1.97E-03	1.60E-03	0.0019666	1.53E-03	1.29E-03	0.0015298
1009 ALL	577956.62	4137327.69	1.80E-03	1.47E-03	0.0018002	1.40E-03	1.18E-03	0.0014004
1010 ALL	577951.44	4137335.59	1.63E-03	1.33E-03	0.0016263	1.27E-03	1.07E-03	0.0012651
1011 ALL	577946.26	4137343.49	1.45E-03	1.18E-03	0.0014487	1.13E-03	9.51E-04	0.0011269
1012 ALL	577941.08	4137351.39	1.27E-03	1.04E-03	0.0012722	9.90E-04	8.35E-04	0.0009896
1013 ALL	577935.9	4137359.29	1.11E-03	9.04E-04	0.001108	8.62E-04	7.27E-04	0.0008619
1014 ALL	577930.72	4137367.19	9.73E-04	7.94E-04	0.0009732	7.57E-04	6.39E-04	0.0007571
1015 ALL	577925.53	4137375.09	8.77E-04	7.16E-04	0.0008773	6.82E-04	5.76E-04	0.0006824
1016 ALL	577920.35	4137382.99	8.22E-04	6.71E-04	0.000822	6.39E-04	5.40E-04	0.0006394
1017 ALL	577915.17	4137390.89	8.00E-04	6.52E-04	0.0007997	6.22E-04	5.25E-04	0.0006221
1018 ALL	577990.84	4137262.6	2.20E-03	1.80E-03	0.0022024	1.71E-03	1.44E-03	0.0017132
1019 ALL	578003.45	4137253.99	2.38E-03	1.94E-03	0.002384	1.85E-03	1.56E-03	0.0018545
1020 ALL	578023.57	4137246.79	2.61E-03	2.13E-03	0.0026082	2.03E-03	1.71E-03	0.0020289
1021 ALL	578038.59	4137249.6	2.87E-03	2.34E-03	0.0028705	2.23E-03	1.88E-03	0.002233
1022 ALL	577998.88	4137245.93	2.02E-03	1.65E-03	0.0020237	1.57E-03	1.33E-03	0.0015742
1023 ALL	578006.45	4137240.76	2.07E-03	1.69E-03	0.0020671	1.61E-03	1.36E-03	0.001608
1024 ALL	578023.02	4137237.28	2.25E-03	1.84E-03	0.0022516	1.75E-03	1.48E-03	0.0017515
1025 ALL	578035.64	4137220.84	1.88E-03	1.54E-03	0.0018842	1.47E-03	1.24E-03	0.0014657
1026 ALL	578052.8	4137224.05	1.97E-03	1.61E-03	0.0019725	1.53E-03	1.29E-03	0.0015344
1027 ALL	578050.07	4137214.13	1.75E-03	1.43E-03	0.0017537	1.36E-03	1.15E-03	0.0013642
1028 ALL	578047.5	4137204.25	1.57E-03	1.28E-03	0.001565	1.22E-03	1.03E-03	0.0012174
1029 ALL	578064.18	4137207.37	1.59E-03	1.29E-03	0.0015873	1.23E-03	1.04E-03	0.0012348
1030 ALL	577934.16	4137223.8	6.77E-04	5.52E-04	0.0006773	5.27E-04	4.44E-04	0.0005269
1031 ALL	578055.54	4137187.67	1.31E-03	1.07E-03	0.001311	1.02E-03	8.60E-04	0.0010198
1032 ALL	578064.49	4137189.34	1.32E-03	1.08E-03	0.0013202	1.03E-03	8.66E-04	0.001027
1033 ALL	578073.44	4137191.02	1.31E-03	1.07E-03	0.0013147	1.02E-03	8.62E-04	0.0010227
1034 ALL	578082.39	4137192.69	1.30E-03	1.06E-03	0.001295	1.01E-03	8.49E-04	0.0010074
1035 ALL	577926.64	4137228.93	6.18E-04	5.04E-04	0.0006179	4.81E-04	4.05E-04	0.0004807
1036 ALL	577921.46	4137236.83	5.82E-04	4.75E-04	0.0005824	4.53E-04	3.82E-04	0.0004531
1037 ALL	577916.27	4137244.74	5.43E-04	4.43E-04	0.000543	4.22E-04	3.56E-04	0.0004224
1038 ALL	577911.09	4137252.64	5.02E-04	4.09E-04	0.0005015	3.90E-04	3.29E-04	0.0003901
1039 ALL	577905.91	4137260.54	4.60E-04	3.75E-04	0.0004602	3.58E-04	3.02E-04	0.0003579
1040 ALL	577900.73	4137268.44	4.19E-04	3.42E-04	0.0004188	3.26E-04	2.75E-04	0.0003258
1041 ALL	577895.55	4137276.34	3.78E-04	3.08E-04	0.0003779	2.94E-04	2.48E-04	0.000294
1042 ALL	577890.37	4137284.24	3.39E-04	2.76E-04	0.0003388	2.64E-04	2.22E-04	0.0002635
1043 ALL	577885.19	4137292.14	3.03E-04	2.47E-04	0.0003028	2.36E-04	1.99E-04	0.0002355
1044 ALL	577880.01	4137300.04	2.71E-04	2.21E-04	0.0002708	2.11E-04	1.78E-04	0.0002106
1045 ALL	577874.82	4137307.94	2.43E-04	1.98E-04	0.0002427	1.89E-04	1.59E-04	0.0001888
1046 ALL	577869.64	4137315.84	2.19E-04	1.79E-04	0.0002189	1.70E-04	1.44E-04	0.0001703
1047 ALL	577864.46	4137323.74	2.00E-04	1.63E-04	0.0001998	1.55E-04	1.31E-04	0.0001554
1048 ALL	577859.28	4137331.64	1.85E-04	1.51E-04	0.000185	1.44E-04	1.22E-04	0.0001439
1049 ALL	577854.1	4137339.54	1.74E-04	1.42E-04	0.0001742	1.35E-04	1.14E-04	0.0001355
1050 ALL	577848.92	4137347.44	1.67E-04	1.36E-04	0.0001671	1.30E-04	1.10E-04	0.00013
1051 ALL	577917.83	4137213.42	5.24E-04	4.27E-04	0.000524	4.08E-04	3.44E-04	0.0004076
1052 ALL	577932.39	4137203.49	6.12E-04	4.99E-04	0.0006124	4.76E-04	4.02E-04	0.0004764
1053 ALL	577946.95	4137193.56	6.94E-04	5.66E-04	0.0006939	5.40E-04	4.55E-04	0.0005398
1054 ALL	578058.52	4137170.15	1.11E-03	9.03E-04	0.0011078	8.62E-04	7.27E-04	0.0008618
1055 ALL	578075.84	4137173.38	1.12E-03	9.09E-04	0.0011158	8.68E-04	7.32E-04	0.000868
1056 ALL	577905.37	4137226.29	4.52E-04	3.69E-04	0.000452	3.52E-04	2.97E-04	0.0003516
1057 ALL	577900.19	4137234.19	4.22E-04	3.44E-04	0.0004219	3.28E-04	2.77E-04	0.0003282
1058 ALL	577895.01	4137242.09	3.90E-04	3.18E-04	0.00039	3.03E-04	2.56E-04	0.0003034
1059 ALL	577889.83	4137249.99	3.57E-04	2.91E-04	0.0003573	2.78E-04	2.35E-04	0.000278
1060 ALL	577884.65	4137257.89	3.25E-04	2.65E-04	0.0003249	2.53E-04	2.13E-04	0.0002528
1061 ALL	577879.47	4137265.79	2.94E-04	2.40E-04	0.0002942	2.29E-04	1.93E-04	0.0002288

1062 ALL	577874.29	4137273.69	2.65E-04	2.16E-04	0.0002652	2.06E-04	1.74E-04	0.0002063
1063 ALL	577869.11	4137281.59	2.38E-04	1.95E-04	0.0002384	1.85E-04	1.57E-04	0.0001855
1064 ALL	577863.92	4137289.49	2.14E-04	1.75E-04	0.0002144	1.67E-04	1.41E-04	0.0001668
1065 ALL	577858.74	4137297.39	1.94E-04	1.58E-04	0.0001937	1.51E-04	1.27E-04	0.0001506
1066 ALL	577853.56	4137305.3	1.76E-04	1.44E-04	0.0001758	1.37E-04	1.16E-04	0.0001368
1067 ALL	577848.38	4137313.2	1.61E-04	1.31E-04	0.000161	1.25E-04	1.06E-04	0.0001252
1068 ALL	577843.2	4137321.1	1.49E-04	1.22E-04	0.0001492	1.16E-04	9.80E-05	0.000116
1069 ALL	577838.02	4137329	1.40E-04	1.15E-04	0.0001402	1.09E-04	9.22E-05	0.0001091
1070 ALL	577832.84	4137336.9	1.34E-04	1.09E-04	0.0001338	1.04E-04	8.80E-05	0.0001041
1071 ALL	577902.13	4137202.62	4.18E-04	3.41E-04	0.0004179	3.25E-04	2.74E-04	0.0003251
1072 ALL	577909.78	4137197.4	4.55E-04	3.71E-04	0.0004547	3.54E-04	2.98E-04	0.0003537
1073 ALL	577917.43	4137192.18	4.92E-04	4.01E-04	0.0004919	3.83E-04	3.23E-04	0.0003827
1074 ALL	577925.08	4137186.96	5.28E-04	4.31E-04	0.0005282	4.11E-04	3.47E-04	0.0004109
1075 ALL	577932.73	4137181.75	5.63E-04	4.59E-04	0.0005628	4.38E-04	3.69E-04	0.0004378
1076 ALL	577940.39	4137176.53	5.95E-04	4.85E-04	0.0005949	4.63E-04	3.90E-04	0.0004627
1077 ALL	577948.04	4137171.31	6.25E-04	5.09E-04	0.0006246	4.86E-04	4.10E-04	0.0004858
1078 ALL	577955.69	4137166.09	6.51E-04	5.30E-04	0.0006507	5.06E-04	4.27E-04	0.0005061
1079 ALL	577963.34	4137160.87	6.72E-04	5.48E-04	0.0006724	5.23E-04	4.41E-04	0.000523
1080 ALL	577970.99	4137155.65	6.89E-04	5.62E-04	0.0006892	5.36E-04	4.52E-04	0.0005361
1081 ALL	577978.64	4137150.43	7.02E-04	5.72E-04	0.0007021	5.46E-04	4.60E-04	0.0005461
1082 ALL	578066.78	4137153.61	9.55E-04	7.78E-04	0.0009548	7.43E-04	6.26E-04	0.0007427
1083 ALL	578075.89	4137155.31	9.59E-04	7.82E-04	0.0009591	7.46E-04	6.29E-04	0.0007461
1084 ALL	578084.99	4137157.01	9.56E-04	7.79E-04	0.0009557	7.43E-04	6.27E-04	0.0007435
1085 ALL	578094.1	4137158.72	9.45E-04	7.70E-04	0.0009449	7.35E-04	6.20E-04	0.0007351
1086 ALL	577894.48	4137207.84	3.80E-04	3.10E-04	0.0003804	2.96E-04	2.50E-04	0.0002959
1087 ALL	577889.29	4137215.74	3.56E-04	2.90E-04	0.0003556	2.77E-04	2.33E-04	0.0002766
1088 ALL	577884.11	4137223.64	3.29E-04	2.69E-04	0.0003293	2.56E-04	2.16E-04	0.0002562
1089 ALL	577878.93	4137231.54	3.05E-04	2.49E-04	0.0003048	2.37E-04	2.00E-04	0.0002371
1090 ALL	577873.75	4137239.44	2.81E-04	2.29E-04	0.0002812	2.19E-04	1.85E-04	0.0002188
1091 ALL	577868.57	4137247.35	2.58E-04	2.10E-04	0.0002575	2.00E-04	1.69E-04	0.0002003
1092 ALL	577863.39	4137255.25	2.34E-04	1.91E-04	0.0002345	1.82E-04	1.54E-04	0.0001824
1093 ALL	577858.21	4137263.15	2.13E-04	1.74E-04	0.0002129	1.66E-04	1.40E-04	0.0001656
1094 ALL	577853.02	4137271.05	1.93E-04	1.58E-04	0.000193	1.50E-04	1.27E-04	0.0001501
1095 ALL	577847.84	4137278.95	1.75E-04	1.43E-04	0.000175	1.36E-04	1.15E-04	0.0001361
1096 ALL	577842.66	4137286.85	1.59E-04	1.30E-04	0.0001592	1.24E-04	1.05E-04	0.0001238
1097 ALL	577837.48	4137294.75	1.45E-04	1.19E-04	0.0001455	1.13E-04	9.56E-05	0.0001132
1098 ALL	577832.3	4137302.65	1.34E-04	1.09E-04	0.0001339	1.04E-04	8.80E-05	0.0001042
1099 ALL	577827.12	4137310.55	1.24E-04	1.01E-04	0.0001242	9.66E-05	8.17E-05	9.665E-05
1100 ALL	577821.94	4137318.45	1.17E-04	9.52E-05	0.0001165	9.06E-05	7.66E-05	9.063E-05
1101 ALL	577816.76	4137326.35	1.11E-04	9.06E-05	0.0001109	8.63E-05	7.29E-05	8.628E-05
1102 ALL	577885.83	4137192.22	3.32E-04	2.71E-04	0.0003321	2.58E-04	2.18E-04	0.0002583
1103 ALL	577900.71	4137182.07	3.93E-04	3.20E-04	0.0003928	3.06E-04	2.58E-04	0.0003055
1104 ALL	577915.6	4137171.92	4.53E-04	3.69E-04	0.000453	3.52E-04	2.97E-04	0.0003524
1105 ALL	577923.04	4137166.85	4.80E-04	3.92E-04	0.0004803	3.74E-04	3.15E-04	0.0003736
1106 ALL	577937.92	4137156.7	5.29E-04	4.31E-04	0.000529	4.11E-04	3.47E-04	0.0004115
1107 ALL	577945.36	4137151.62	5.51E-04	4.49E-04	0.0005506	4.28E-04	3.61E-04	0.0004283
1108 ALL	577960.24	4137141.47	5.85E-04	4.77E-04	0.000585	4.55E-04	3.84E-04	0.0004551
1109 ALL	577975.12	4137131.32	6.06E-04	4.94E-04	0.0006061	4.72E-04	3.98E-04	0.0004715
1110 ALL	577873.21	4137205.2	2.84E-04	2.32E-04	0.0002842	2.21E-04	1.87E-04	0.0002211
1111 ALL	577868.03	4137213.1	2.65E-04	2.16E-04	0.0002645	2.06E-04	1.74E-04	0.0002058
1112 ALL	577862.85	4137221	2.44E-04	1.99E-04	0.0002444	1.90E-04	1.60E-04	0.0001901
1113 ALL	577857.67	4137228.9	2.25E-04	1.83E-04	0.0002247	1.75E-04	1.47E-04	0.0001748
1114 ALL	577852.49	4137236.8	2.06E-04	1.68E-04	0.0002064	1.61E-04	1.36E-04	0.0001606
1115 ALL	577847.31	4137244.7	1.89E-04	1.54E-04	0.0001891	1.47E-04	1.24E-04	0.0001471
1116 ALL	577842.12	4137252.6	1.72E-04	1.41E-04	0.0001725	1.34E-04	1.13E-04	0.0001341
1117 ALL	577836.94	4137260.5	1.57E-04	1.28E-04	0.0001572	1.22E-04	1.03E-04	0.0001223
1118 ALL	577831.76	4137268.4	1.44E-04	1.17E-04	0.0001436	1.12E-04	9.43E-05	0.0001117
1119 ALL	577826.58	4137276.3	1.31E-04	1.07E-04	0.0001313	1.02E-04	8.62E-05	0.0001021
1120 ALL	577821.4	4137284.2	1.20E-04	9.84E-05	0.0001205	9.37E-05	7.92E-05	9.37E-05



1121 ALL	577816.22	4137292.1	1.12E-04	9.13E-05	0.0001118	8.69E-05	7.35E-05	8.695E-05
1122 ALL	577811.04	4137300	1.05E-04	8.55E-05	0.0001046	8.14E-05	6.88E-05	8.138E-05
1123 ALL	577805.86	4137307.9	9.87E-05	8.06E-05	0.0000987	7.68E-05	6.49E-05	7.678E-05
1124 ALL	577800.67	4137315.81	9.40E-05	7.68E-05	9.397E-05	7.31E-05	6.18E-05	7.31E-05
1125 ALL	577870.05	4137181.47	2.72E-04	2.22E-04	0.0002722	2.12E-04	1.79E-04	0.0002117
1126 ALL	577877.78	4137176.2	2.97E-04	2.42E-04	0.0002965	2.31E-04	1.95E-04	0.0002307
1127 ALL	577885.51	4137170.92	3.22E-04	2.62E-04	0.0003216	2.50E-04	2.11E-04	0.0002502
1128 ALL	577893.25	4137165.65	3.47E-04	2.83E-04	0.0003471	2.70E-04	2.28E-04	0.00027
1129 ALL	577900.98	4137160.37	3.73E-04	3.04E-04	0.0003726	2.90E-04	2.44E-04	0.0002899
1130 ALL	577908.71	4137155.1	3.98E-04	3.24E-04	0.0003978	3.09E-04	2.61E-04	0.0003094
1131 ALL	577916.45	4137149.82	4.21E-04	3.43E-04	0.0004214	3.28E-04	2.76E-04	0.0003278
1132 ALL	577924.18	4137144.55	4.43E-04	3.61E-04	0.0004429	3.45E-04	2.91E-04	0.0003446
1133 ALL	577931.91	4137139.27	4.63E-04	3.78E-04	0.0004632	3.60E-04	3.04E-04	0.0003603
1134 ALL	577939.65	4137134	4.82E-04	3.93E-04	0.0004818	3.75E-04	3.16E-04	0.0003748
1135 ALL	577947.38	4137128.72	4.98E-04	4.06E-04	0.0004979	3.87E-04	3.27E-04	0.0003873
1136 ALL	577955.11	4137123.45	5.11E-04	4.17E-04	0.0005111	3.98E-04	3.35E-04	0.0003976
1137 ALL	577962.85	4137118.17	5.22E-04	4.25E-04	0.0005216	4.06E-04	3.42E-04	0.0004057
1138 ALL	577970.58	4137112.9	5.29E-04	4.31E-04	0.0005293	4.12E-04	3.47E-04	0.0004117
1139 ALL	577978.31	4137107.62	5.34E-04	4.35E-04	0.0005341	4.15E-04	3.50E-04	0.0004155
1140 ALL	577995.25	4137104.07	5.62E-04	4.58E-04	0.0005625	4.38E-04	3.69E-04	0.0004375
1141 ALL	577862.31	4137186.75	2.49E-04	2.03E-04	0.0002487	1.93E-04	1.63E-04	0.0001935
1142 ALL	577857.13	4137194.65	2.33E-04	1.90E-04	0.0002334	1.82E-04	1.53E-04	0.0001815
1143 ALL	577851.95	4137202.55	2.18E-04	1.78E-04	0.0002177	1.69E-04	1.43E-04	0.0001694
1144 ALL	577846.77	4137210.45	2.02E-04	1.65E-04	0.000202	1.57E-04	1.33E-04	0.0001571
1145 ALL	577841.59	4137218.35	1.86E-04	1.52E-04	0.0001865	1.45E-04	1.22E-04	0.0001451
1146 ALL	577836.41	4137226.25	1.72E-04	1.40E-04	0.0001716	1.33E-04	1.13E-04	0.0001335
1147 ALL	577831.22	4137234.15	1.58E-04	1.29E-04	0.0001576	1.23E-04	1.03E-04	0.0001226
1148 ALL	577826.04	4137242.05	1.44E-04	1.18E-04	0.0001443	1.12E-04	9.48E-05	0.0001122
1149 ALL	577820.86	4137249.95	1.32E-04	1.08E-04	0.0001319	1.03E-04	8.66E-05	0.0001026
1150 ALL	577815.68	4137257.86	1.21E-04	9.85E-05	0.0001207	9.39E-05	7.93E-05	9.387E-05
1151 ALL	577810.5	4137265.76	1.11E-04	9.08E-05	0.0001111	8.65E-05	7.30E-05	8.646E-05
1152 ALL	577805.32	4137273.66	1.03E-04	8.38E-05	0.0001026	7.98E-05	6.75E-05	7.984E-05
1153 ALL	577800.14	4137281.56	9.52E-05	7.77E-05	9.515E-05	7.40E-05	6.25E-05	7.402E-05
1154 ALL	577794.96	4137289.46	8.89E-05	7.26E-05	8.889E-05	6.91E-05	5.84E-05	6.914E-05
1155 ALL	577789.77	4137297.36	8.41E-05	6.87E-05	8.412E-05	6.54E-05	5.53E-05	6.543E-05
1156 ALL	577784.59	4137305.26	8.01E-05	6.55E-05	8.013E-05	6.23E-05	5.27E-05	6.233E-05
1157 ALL	577853.78	4137171.05	2.24E-04	1.83E-04	0.0002244	1.75E-04	1.47E-04	0.0001746
1158 ALL	577861.33	4137165.91	2.44E-04	1.99E-04	0.0002435	1.89E-04	1.60E-04	0.0001894
1159 ALL	577868.88	4137160.76	2.63E-04	2.15E-04	0.0002634	2.05E-04	1.73E-04	0.0002049
1160 ALL	577876.42	4137155.61	2.84E-04	2.31E-04	0.0002837	2.21E-04	1.86E-04	0.0002207
1161 ALL	577883.97	4137150.46	3.04E-04	2.48E-04	0.0003042	2.37E-04	2.00E-04	0.0002367
1162 ALL	577891.52	4137145.31	3.25E-04	2.65E-04	0.0003247	2.53E-04	2.13E-04	0.0002526
1163 ALL	577899.07	4137140.16	3.45E-04	2.81E-04	0.0003447	2.68E-04	2.26E-04	0.0002682
1164 ALL	577906.62	4137135.01	3.64E-04	2.97E-04	0.000364	2.83E-04	2.39E-04	0.0002832
1165 ALL	577914.16	4137129.87	3.83E-04	3.12E-04	0.0003826	2.98E-04	2.51E-04	0.0002976
1166 ALL	577921.71	4137124.72	4.00E-04	3.26E-04	0.0003998	3.11E-04	2.62E-04	0.000311
1167 ALL	577929.26	4137119.57	4.16E-04	3.39E-04	0.0004158	3.23E-04	2.73E-04	0.0003234
1168 ALL	577936.81	4137114.42	4.30E-04	3.51E-04	0.0004303	3.35E-04	2.82E-04	0.0003348
1169 ALL	577944.36	4137109.27	4.43E-04	3.61E-04	0.0004431	3.45E-04	2.91E-04	0.0003447
1170 ALL	577951.9	4137104.12	4.53E-04	3.69E-04	0.000453	3.52E-04	2.97E-04	0.0003524
1171 ALL	577959.45	4137098.97	4.61E-04	3.76E-04	0.000461	3.59E-04	3.02E-04	0.0003586
1172 ALL	577967	4137093.83	4.67E-04	3.81E-04	0.0004671	3.63E-04	3.06E-04	0.0003633
1173 ALL	577974.55	4137088.68	4.71E-04	3.84E-04	0.0004711	3.66E-04	3.09E-04	0.0003664
1174 ALL	577846.23	4137176.2	2.06E-04	1.68E-04	0.000206	1.60E-04	1.35E-04	0.0001602
1175 ALL	577841.05	4137184.1	1.93E-04	1.58E-04	0.0001935	1.50E-04	1.27E-04	0.0001505
1176 ALL	577835.87	4137192	1.81E-04	1.48E-04	0.000181	1.41E-04	1.19E-04	0.0001408
1177 ALL	577830.69	4137199.91	1.69E-04	1.38E-04	0.0001686	1.31E-04	1.11E-04	0.0001312
1178 ALL	577825.51	4137207.81	1.57E-04	1.28E-04	0.0001566	1.22E-04	1.03E-04	0.0001218
1179 ALL	577820.33	4137215.71	1.45E-04	1.18E-04	0.0001449	1.13E-04	9.51E-05	0.0001127

1180 ALL	577815.14	4137223.61	1.34E-04	1.09E-04	0.0001338	1.04E-04	8.78E-05	0.0001041
1181 ALL	577809.96	4137231.51	1.23E-04	1.01E-04	0.0001234	9.60E-05	8.10E-05	9.598E-05
1182 ALL	577804.78	4137239.41	1.14E-04	9.27E-05	0.0001136	8.84E-05	7.46E-05	8.837E-05
1183 ALL	577799.6	4137247.31	1.05E-04	8.54E-05	0.0001046	8.13E-05	6.87E-05	8.133E-05
1184 ALL	577794.42	4137255.21	9.63E-05	7.86E-05	9.632E-05	7.49E-05	6.33E-05	7.493E-05
1185 ALL	577789.24	4137263.11	8.92E-05	7.28E-05	8.915E-05	6.94E-05	5.86E-05	6.935E-05
1186 ALL	577784.06	4137271.01	8.30E-05	6.78E-05	8.296E-05	6.45E-05	5.45E-05	6.454E-05
1187 ALL	577778.87	4137278.91	7.76E-05	6.34E-05	7.765E-05	6.04E-05	5.10E-05	6.04E-05
1188 ALL	577773.69	4137286.81	7.32E-05	5.98E-05	7.32E-05	5.69E-05	4.81E-05	5.694E-05
1189 ALL	577768.51	4137294.71	6.96E-05	5.69E-05	6.963E-05	5.42E-05	4.58E-05	5.416E-05
1190 ALL	577837.94	4137160.34	1.88E-04	1.53E-04	0.0001879	1.46E-04	1.23E-04	0.0001462
1191 ALL	577845.73	4137155.03	2.04E-04	1.66E-04	0.000204	1.59E-04	1.34E-04	0.0001587
1192 ALL	577853.52	4137149.72	2.21E-04	1.80E-04	0.0002208	1.72E-04	1.45E-04	0.0001718
1193 ALL	577861.31	4137144.4	2.38E-04	1.94E-04	0.000238	1.85E-04	1.56E-04	0.0001851
1194 ALL	577869.1	4137139.09	2.56E-04	2.08E-04	0.0002557	1.99E-04	1.68E-04	0.0001989
1195 ALL	577876.89	4137133.78	2.74E-04	2.23E-04	0.0002735	2.13E-04	1.79E-04	0.0002128
1196 ALL	577884.68	4137128.47	2.91E-04	2.37E-04	0.0002912	2.27E-04	1.91E-04	0.0002265
1197 ALL	577892.46	4137123.15	3.08E-04	2.51E-04	0.0003082	2.40E-04	2.02E-04	0.0002397
1198 ALL	577900.25	4137117.84	3.25E-04	2.65E-04	0.0003248	2.53E-04	2.13E-04	0.0002527
1199 ALL	577908.04	4137112.53	3.41E-04	2.78E-04	0.0003409	2.65E-04	2.24E-04	0.0002652
1200 ALL	577915.83	4137107.21	3.56E-04	2.90E-04	0.0003561	2.77E-04	2.34E-04	0.000277
1201 ALL	577923.62	4137101.9	3.70E-04	3.01E-04	0.0003698	2.88E-04	2.43E-04	0.0002877
1202 ALL	577931.41	4137096.59	3.82E-04	3.12E-04	0.0003823	2.97E-04	2.51E-04	0.0002974
1203 ALL	577939.2	4137091.27	3.93E-04	3.21E-04	0.0003934	3.06E-04	2.58E-04	0.000306
1204 ALL	577946.99	4137085.96	4.02E-04	3.28E-04	0.0004025	3.13E-04	2.64E-04	0.0003131
1205 ALL	577954.78	4137080.65	4.09E-04	3.34E-04	0.0004095	3.19E-04	2.69E-04	0.0003185
1206 ALL	577966.68	4137068.17	4.57E-04	3.72E-04	0.0004568	3.55E-04	3.00E-04	0.0003553
1207 ALL	578005.95	4137069.91	4.74E-04	3.86E-04	0.0004741	3.69E-04	3.11E-04	0.0003688
1208 ALL	578015.22	4137071.64	4.91E-04	4.00E-04	0.0004907	3.82E-04	3.22E-04	0.0003817
1209 ALL	578024.49	4137073.37	5.06E-04	4.12E-04	0.0005061	3.94E-04	3.32E-04	0.0003937
1210 ALL	578030.15	4137165.66	1.73E-04	1.41E-04	0.0001726	1.34E-04	1.13E-04	0.0001343
1211 ALL	577824.97	4137173.56	1.62E-04	1.32E-04	0.0001624	1.26E-04	1.07E-04	0.0001263
1212 ALL	577819.79	4137181.46	1.52E-04	1.24E-04	0.0001522	1.18E-04	9.99E-05	0.0001184
1213 ALL	577814.61	4137189.36	1.42E-04	1.16E-04	0.0001421	1.11E-04	9.33E-05	0.0001105
1214 ALL	577809.43	4137197.26	1.32E-04	1.08E-04	0.0001322	1.03E-04	8.68E-05	0.0001028
1215 ALL	577804.24	4137205.16	1.23E-04	1.00E-04	0.0001229	9.56E-05	8.07E-05	9.556E-05
1216 ALL	577799.06	4137213.06	1.14E-04	9.30E-05	0.000114	8.87E-05	7.49E-05	8.869E-05
1217 ALL	577793.88	4137220.96	1.06E-04	8.63E-05	0.0001058	8.23E-05	6.95E-05	8.226E-05
1218 ALL	577788.7	4137228.86	9.82E-05	8.02E-05	9.825E-05	7.64E-05	6.45E-05	7.642E-05
1219 ALL	577783.52	4137236.76	9.13E-05	7.45E-05	9.127E-05	7.10E-05	6.00E-05	7.1E-05
1220 ALL	577778.34	4137244.66	8.45E-05	6.90E-05	8.454E-05	6.58E-05	5.56E-05	6.576E-05
1221 ALL	577773.16	4137252.56	7.85E-05	6.41E-05	7.845E-05	6.10E-05	5.16E-05	6.103E-05
1222 ALL	577767.97	4137260.47	7.31E-05	5.97E-05	7.315E-05	5.69E-05	4.81E-05	5.69E-05
1223 ALL	577762.79	4137268.37	6.87E-05	5.61E-05	6.87E-05	5.34E-05	4.52E-05	5.344E-05
1224 ALL	577757.61	4137276.27	6.50E-05	5.31E-05	6.501E-05	5.06E-05	4.27E-05	5.057E-05
1225 ALL	577752.43	4137284.17	6.18E-05	5.05E-05	6.184E-05	4.81E-05	4.07E-05	4.81E-05
1226 ALL	577821.69	4137149.91	1.58E-04	1.29E-04	0.0001583	1.23E-04	1.04E-04	0.0001232
1227 ALL	577829.32	4137144.71	1.71E-04	1.40E-04	0.0001712	1.33E-04	1.12E-04	0.0001332
1228 ALL	577836.94	4137139.51	1.85E-04	1.51E-04	0.0001847	1.44E-04	1.21E-04	0.0001436
1229 ALL	577844.57	4137134.31	1.99E-04	1.62E-04	0.0001987	1.55E-04	1.30E-04	0.0001545
1230 ALL	577852.2	4137129.11	2.13E-04	1.74E-04	0.0002131	1.66E-04	1.40E-04	0.0001657
1231 ALL	577859.82	4137123.9	2.28E-04	1.85E-04	0.0002275	1.77E-04	1.49E-04	0.000177
1232 ALL	577867.45	4137118.7	2.42E-04	1.97E-04	0.0002421	1.88E-04	1.59E-04	0.0001884
1233 ALL	577875.07	4137113.5	2.57E-04	2.09E-04	0.0002567	2.00E-04	1.68E-04	0.0001997
1234 ALL	577882.7	4137108.3	2.71E-04	2.21E-04	0.0002712	2.11E-04	1.78E-04	0.000211
1235 ALL	577890.32	4137103.1	2.85E-04	2.32E-04	0.0002851	2.22E-04	1.87E-04	0.0002218
1236 ALL	577897.95	4137097.9	2.99E-04	2.43E-04	0.0002986	2.32E-04	1.96E-04	0.0002323
1237 ALL	577905.57	4137092.7	3.12E-04	2.54E-04	0.0003116	2.42E-04	2.04E-04	0.0002424
1238 ALL	577913.2	4137087.5	3.24E-04	2.64E-04	0.000324	2.52E-04	2.13E-04	0.000252

1239 ALL	577920.82	4137082.3	3.35E-04	2.73E-04	0.0003349	2.61E-04	2.20E-04	0.0002605
1240 ALL	577928.45	4137077.09	3.45E-04	2.81E-04	0.0003448	2.68E-04	2.26E-04	0.0002683
1241 ALL	577936.07	4137071.89	3.54E-04	2.88E-04	0.0003536	2.75E-04	2.32E-04	0.000275
1242 ALL	577943.7	4137066.69	3.61E-04	2.94E-04	0.0003611	2.81E-04	2.37E-04	0.0002809
1243 ALL	577951.32	4137061.49	3.67E-04	2.99E-04	0.0003666	2.85E-04	2.40E-04	0.0002852
1244 ALL	577958.95	4137056.29	3.71E-04	3.02E-04	0.000371	2.89E-04	2.43E-04	0.0002886
1245 ALL	577966.57	4137051.09	3.74E-04	3.05E-04	0.000374	2.91E-04	2.45E-04	0.0002909
1246 ALL	577983.27	4137047.58	3.91E-04	3.19E-04	0.0003913	3.04E-04	2.57E-04	0.0003044
1247 ALL	577992.34	4137049.28	4.06E-04	3.31E-04	0.0004064	3.16E-04	2.67E-04	0.0003161
1248 ALL	578001.41	4137050.98	4.21E-04	3.43E-04	0.0004209	3.27E-04	2.76E-04	0.0003274
1249 ALL	578010.49	4137052.67	4.35E-04	3.54E-04	0.0004347	3.38E-04	2.85E-04	0.0003382
1250 ALL	578019.56	4137054.37	4.48E-04	3.65E-04	0.0004478	3.48E-04	2.94E-04	0.0003483
1251 ALL	578028.63	4137056.07	4.60E-04	3.75E-04	0.00046	3.58E-04	3.02E-04	0.0003578
1252 ALL	577814.07	4137155.11	1.46E-04	1.19E-04	0.0001462	1.14E-04	9.60E-05	0.0001137
1253 ALL	577808.89	4137163.01	1.38E-04	1.12E-04	0.0001378	1.07E-04	9.05E-05	0.0001072
1254 ALL	577803.71	4137170.91	1.29E-04	1.06E-04	0.0001294	1.01E-04	8.50E-05	0.0001007
1255 ALL	577798.53	4137178.81	1.21E-04	9.88E-05	0.0001211	9.42E-05	7.95E-05	9.422E-05
1256 ALL	577793.34	4137186.71	1.13E-04	9.22E-05	0.000113	8.79E-05	7.42E-05	8.793E-05
1257 ALL	577788.16	4137194.61	1.06E-04	8.62E-05	0.0001056	8.22E-05	6.93E-05	8.215E-05
1258 ALL	577782.98	4137202.52	9.86E-05	8.05E-05	9.865E-05	7.67E-05	6.48E-05	7.674E-05
1259 ALL	577777.8	4137210.42	9.21E-05	7.52E-05	9.208E-05	7.16E-05	6.05E-05	7.163E-05
1260 ALL	577772.62	4137218.32	8.59E-05	7.01E-05	8.592E-05	6.68E-05	5.64E-05	6.684E-05
1261 ALL	577767.44	4137226.22	8.02E-05	6.55E-05	8.018E-05	6.24E-05	5.27E-05	6.237E-05
1262 ALL	577762.26	4137234.12	7.48E-05	6.10E-05	7.475E-05	5.82E-05	4.91E-05	5.815E-05
1263 ALL	577757.07	4137242.02	6.99E-05	5.71E-05	6.987E-05	5.44E-05	4.59E-05	5.435E-05
1264 ALL	577751.89	4137249.92	6.56E-05	5.35E-05	6.555E-05	5.10E-05	4.31E-05	5.099E-05
1265 ALL	577746.71	4137257.82	6.18E-05	5.05E-05	6.178E-05	4.81E-05	4.06E-05	4.805E-05
1266 ALL	577741.53	4137265.72	5.85E-05	4.78E-05	5.851E-05	4.55E-05	3.85E-05	4.551E-05
1267 ALL	577736.35	4137273.62	5.57E-05	4.55E-05	5.568E-05	4.33E-05	3.66E-05	4.331E-05
1268 ALL	577805.48	4137139.46	1.35E-04	1.10E-04	0.0001352	1.05E-04	8.87E-05	0.0001052
1269 ALL	577812.97	4137134.35	1.45E-04	1.19E-04	0.0001454	1.13E-04	9.55E-05	0.0001131
1270 ALL	577820.46	4137129.24	1.56E-04	1.27E-04	0.0001561	1.21E-04	1.02E-04	0.0001214
1271 ALL	577827.95	4137124.13	1.67E-04	1.37E-04	0.0001674	1.30E-04	1.10E-04	0.0001302
1272 ALL	577835.44	4137119.02	1.79E-04	1.46E-04	0.0001792	1.39E-04	1.18E-04	0.0001394
1273 ALL	577842.93	4137113.91	1.91E-04	1.56E-04	0.0001913	1.49E-04	1.25E-04	0.0001488
1274 ALL	577850.41	4137108.8	2.03E-04	1.66E-04	0.0002035	1.58E-04	1.33E-04	0.0001583
1275 ALL	577865.39	4137098.59	2.28E-04	1.86E-04	0.000228	1.77E-04	1.50E-04	0.0001774
1276 ALL	577872.88	4137093.48	2.40E-04	1.96E-04	0.0002401	1.87E-04	1.58E-04	0.0001868
1277 ALL	577880.37	4137088.37	2.52E-04	2.05E-04	0.0002521	1.96E-04	1.65E-04	0.0001961
1278 ALL	577887.86	4137083.26	2.64E-04	2.15E-04	0.0002635	2.05E-04	1.73E-04	0.000205
1279 ALL	577895.35	4137078.15	2.75E-04	2.24E-04	0.0002746	2.14E-04	1.80E-04	0.0002136
1280 ALL	577902.84	4137073.04	2.85E-04	2.32E-04	0.000285	2.22E-04	1.87E-04	0.0002217
1281 ALL	577910.33	4137067.94	2.95E-04	2.40E-04	0.0002949	2.29E-04	1.93E-04	0.0002294
1282 ALL	577917.82	4137062.83	3.04E-04	2.48E-04	0.0003038	2.36E-04	1.99E-04	0.0002363
1283 ALL	577925.31	4137057.72	3.12E-04	2.54E-04	0.0003117	2.42E-04	2.04E-04	0.0002425
1284 ALL	577932.8	4137052.61	3.19E-04	2.60E-04	0.0003189	2.48E-04	2.09E-04	0.0002481
1285 ALL	577940.29	4137047.5	3.25E-04	2.65E-04	0.0003253	2.53E-04	2.13E-04	0.000253
1286 ALL	577955.27	4137037.28	3.34E-04	2.72E-04	0.0003337	2.60E-04	2.19E-04	0.0002596
1287 ALL	577962.76	4137032.18	3.36E-04	2.74E-04	0.0003363	2.62E-04	2.21E-04	0.0002616
1288 ALL	577979.16	4137028.73	3.51E-04	2.86E-04	0.0003511	2.73E-04	2.30E-04	0.0002731
1289 ALL	577988.07	4137030.4	3.64E-04	2.97E-04	0.0003639	2.83E-04	2.39E-04	0.000283
1290 ALL	577996.98	4137032.07	3.76E-04	3.07E-04	0.0003762	2.93E-04	2.47E-04	0.0002926
1291 ALL	578005.89	4137033.73	3.88E-04	3.16E-04	0.0003879	3.02E-04	2.54E-04	0.0003018
1292 ALL	578014.8	4137035.4	3.99E-04	3.25E-04	0.0003992	3.10E-04	2.62E-04	0.0003105
1293 ALL	578023.71	4137037.06	4.10E-04	3.34E-04	0.0004097	3.19E-04	2.69E-04	0.0003187
1294 ALL	578032.63	4137038.73	4.20E-04	3.42E-04	0.0004196	3.26E-04	2.75E-04	0.0003264
1295 ALL	577797.99	4137144.56	1.25E-04	1.02E-04	0.0001254	9.75E-05	8.23E-05	9.754E-05
1296 ALL	577792.81	4137152.47	1.18E-04	9.65E-05	0.0001183	9.21E-05	7.77E-05	9.206E-05
1297 ALL	577787.63	4137160.37	1.12E-04	9.12E-05	0.0001118	8.69E-05	7.34E-05	8.693E-05

1298 ALL	577782.44	4137168.27	1.05E-04	8.58E-05	0.0001052	8.19E-05	6.91E-05	8.185E-05
1299 ALL	577777.26	4137176.17	9.88E-05	8.06E-05	9.881E-05	7.69E-05	6.49E-05	7.687E-05
1300 ALL	577772.08	4137184.07	9.26E-05	7.56E-05	9.261E-05	7.20E-05	6.08E-05	7.204E-05
1301 ALL	577766.9	4137191.97	8.67E-05	7.07E-05	8.666E-05	6.74E-05	5.69E-05	6.741E-05
1302 ALL	577761.72	4137199.87	8.11E-05	6.62E-05	8.106E-05	6.31E-05	5.32E-05	6.306E-05
1303 ALL	577756.54	4137207.77	7.58E-05	6.19E-05	7.581E-05	5.90E-05	4.98E-05	5.897E-05
1304 ALL	577751.36	4137215.67	7.09E-05	5.79E-05	7.093E-05	5.52E-05	4.66E-05	5.518E-05
1305 ALL	577746.18	4137223.57	6.65E-05	5.43E-05	6.645E-05	5.17E-05	4.37E-05	5.169E-05
1306 ALL	577740.99	4137231.47	6.24E-05	5.10E-05	0.0000624	4.85E-05	4.10E-05	4.854E-05
1307 ALL	577735.81	4137239.37	5.88E-05	4.80E-05	5.879E-05	4.57E-05	3.86E-05	4.573E-05
1308 ALL	577730.63	4137247.27	5.56E-05	4.54E-05	5.559E-05	4.32E-05	3.65E-05	4.324E-05
1309 ALL	577725.45	4137255.17	5.28E-05	4.31E-05	5.279E-05	4.11E-05	3.47E-05	4.107E-05
1310 ALL	577720.27	4137263.07	5.04E-05	4.12E-05	5.039E-05	3.92E-05	3.31E-05	3.92E-05
1311 ALL	577789.59	4137128.78	1.17E-04	9.57E-05	0.0001173	9.13E-05	7.70E-05	9.128E-05
1312 ALL	577797.27	4137123.54	1.26E-04	1.03E-04	0.0001258	9.78E-05	8.25E-05	9.784E-05
1313 ALL	577804.96	4137118.3	1.35E-04	1.10E-04	0.000135	1.05E-04	8.86E-05	0.000105
1314 ALL	577812.64	4137113.06	1.44E-04	1.18E-04	0.0001445	1.12E-04	9.48E-05	0.0001124
1315 ALL	577820.32	4137107.82	1.54E-04	1.26E-04	0.0001543	1.20E-04	1.01E-04	0.00012
1316 ALL	577828	4137102.58	1.65E-04	1.34E-04	0.0001647	1.28E-04	1.08E-04	0.0001282
1317 ALL	577835.69	4137097.33	1.76E-04	1.43E-04	0.0001755	1.37E-04	1.15E-04	0.0001365
1318 ALL	577843.37	4137092.09	1.86E-04	1.52E-04	0.0001864	1.45E-04	1.22E-04	0.000145
1319 ALL	577851.05	4137086.85	1.97E-04	1.61E-04	0.0001972	1.53E-04	1.29E-04	0.0001534
1320 ALL	577858.74	4137081.61	2.08E-04	1.70E-04	0.000208	1.62E-04	1.36E-04	0.0001618
1321 ALL	577866.42	4137076.37	2.19E-04	1.78E-04	0.0002187	1.70E-04	1.43E-04	0.0001701
1322 ALL	577874.1	4137071.13	2.29E-04	1.87E-04	0.000229	1.78E-04	1.50E-04	0.0001781
1323 ALL	577881.78	4137065.89	2.39E-04	1.95E-04	0.000239	1.86E-04	1.57E-04	0.0001859
1324 ALL	577889.47	4137060.65	2.48E-04	2.03E-04	0.0002485	1.93E-04	1.63E-04	0.0001933
1325 ALL	577897.15	4137055.41	2.58E-04	2.10E-04	0.0002575	2.00E-04	1.69E-04	0.0002003
1326 ALL	577904.83	4137050.17	2.66E-04	2.17E-04	0.0002662	2.07E-04	1.75E-04	0.0002071
1327 ALL	577912.52	4137044.93	2.74E-04	2.24E-04	0.0002743	2.13E-04	1.80E-04	0.0002133
1328 ALL	577920.2	4137039.69	2.81E-04	2.29E-04	0.0002812	2.19E-04	1.84E-04	0.0002188
1329 ALL	577927.88	4137034.45	2.88E-04	2.34E-04	0.0002876	2.24E-04	1.89E-04	0.0002237
1330 ALL	577935.56	4137029.21	2.93E-04	2.39E-04	0.0002934	2.28E-04	1.92E-04	0.0002282
1331 ALL	577943.25	4137023.97	2.98E-04	2.43E-04	0.0002985	2.32E-04	1.96E-04	0.0002322
1332 ALL	577950.93	4137018.73	3.02E-04	2.46E-04	0.0003017	2.35E-04	1.98E-04	0.0002347
1333 ALL	577958.61	4137013.49	3.04E-04	2.48E-04	0.000304	2.37E-04	1.99E-04	0.0002365
1334 ALL	577975.44	4137009.95	3.17E-04	2.59E-04	0.0003172	2.47E-04	2.08E-04	0.0002468
1335 ALL	577984.58	4137011.66	3.29E-04	2.68E-04	0.0003286	2.56E-04	2.16E-04	0.0002556
1336 ALL	577993.72	4137013.37	3.40E-04	2.77E-04	0.0003396	2.64E-04	2.23E-04	0.0002642
1337 ALL	578002.86	4137015.08	3.50E-04	2.85E-04	0.0003501	2.72E-04	2.30E-04	0.0002724
1338 ALL	578012	4137016.79	3.60E-04	2.94E-04	0.0003601	2.80E-04	2.36E-04	0.0002801
1339 ALL	578021.15	4137018.5	3.70E-04	3.01E-04	0.0003696	2.88E-04	2.42E-04	0.0002875
1340 ALL	578030.29	4137020.21	3.78E-04	3.08E-04	0.0003785	2.94E-04	2.48E-04	0.0002944
1341 ALL	578039.43	4137021.92	3.87E-04	3.15E-04	0.000387	3.01E-04	2.54E-04	0.0003011
1342 ALL	577781.91	4137134.02	1.10E-04	8.93E-05	0.0001095	8.52E-05	7.19E-05	8.52E-05
1343 ALL	577776.73	4137141.92	1.04E-04	8.47E-05	0.0001039	8.08E-05	6.82E-05	8.08E-05
1344 ALL	577771.54	4137149.82	9.82E-05	8.01E-05	9.821E-05	7.64E-05	6.45E-05	7.64E-05
1345 ALL	577766.36	4137157.72	9.26E-05	7.56E-05	9.265E-05	7.21E-05	6.08E-05	7.207E-05
1346 ALL	577761.18	4137165.62	8.72E-05	7.11E-05	8.717E-05	6.78E-05	5.72E-05	6.781E-05
1347 ALL	577756	4137173.52	8.18E-05	6.67E-05	8.178E-05	6.36E-05	5.37E-05	6.362E-05
1348 ALL	577750.82	4137181.42	7.67E-05	6.26E-05	7.666E-05	5.96E-05	5.03E-05	5.963E-05
1349 ALL	577745.64	4137189.32	7.18E-05	5.86E-05	7.184E-05	5.59E-05	4.72E-05	5.589E-05
1350 ALL	577740.46	4137197.22	6.74E-05	5.50E-05	6.735E-05	5.24E-05	4.42E-05	5.239E-05
1351 ALL	577735.28	4137205.12	6.32E-05	5.16E-05	6.322E-05	4.92E-05	4.15E-05	4.918E-05
1352 ALL	577730.09	4137213.03	5.94E-05	4.85E-05	5.939E-05	4.62E-05	3.90E-05	4.62E-05
1353 ALL	577724.91	4137220.93	5.59E-05	4.57E-05	5.592E-05	4.35E-05	3.67E-05	4.35E-05
1354 ALL	577719.73	4137228.83	5.28E-05	4.31E-05	5.281E-05	4.11E-05	3.47E-05	4.108E-05
1355 ALL	577714.55	4137236.73	5.00E-05	4.09E-05	5.005E-05	3.89E-05	3.29E-05	3.893E-05
1356 ALL	577709.37	4137244.63	4.76E-05	3.89E-05	4.761E-05	3.70E-05	3.13E-05	3.704E-05

1357 ALL	577704.19	4137252.53	4.55E-05	3.72E-05	4.549E-05	3.54E-05	2.99E-05	3.539E-05
1358 ALL	577773.38	4137118.32	1.03E-04	8.43E-05	0.0001034	8.04E-05	6.79E-05	8.044E-05
1359 ALL	577780.94	4137113.16	1.10E-04	8.99E-05	0.0001103	8.58E-05	7.24E-05	8.576E-05
1360 ALL	577788.5	4137108.01	1.17E-04	9.55E-05	0.0001171	9.11E-05	7.68E-05	9.108E-05
1361 ALL	577796.06	4137102.85	1.18E-04	9.65E-05	0.0001184	9.21E-05	7.77E-05	9.209E-05
1362 ALL	577803.62	4137097.69	1.27E-04	1.03E-04	0.0001268	9.86E-05	8.32E-05	9.86E-05
1363 ALL	577811.18	4137092.54	1.35E-04	1.10E-04	0.0001351	1.05E-04	8.86E-05	0.0001051
1364 ALL	577818.74	4137087.38	1.43E-04	1.17E-04	0.0001434	1.12E-04	9.41E-05	0.0001115
1365 ALL	577826.29	4137082.23	1.52E-04	1.24E-04	0.0001522	1.18E-04	9.99E-05	0.0001184
1366 ALL	577833.85	4137077.07	1.68E-04	1.37E-04	0.0001681	1.31E-04	1.10E-04	0.0001308
1367 ALL	577841.41	4137071.92	1.77E-04	1.45E-04	0.0001774	1.38E-04	1.16E-04	0.000138
1368 ALL	577848.97	4137066.76	1.87E-04	1.52E-04	0.0001866	1.45E-04	1.22E-04	0.0001451
1369 ALL	577856.53	4137061.6	1.96E-04	1.59E-04	0.0001955	1.52E-04	1.28E-04	0.0001521
1370 ALL	577864.09	4137056.45	2.04E-04	1.67E-04	0.0002043	1.59E-04	1.34E-04	0.0001589
1371 ALL	577871.64	4137051.29	2.13E-04	1.74E-04	0.0002128	1.66E-04	1.40E-04	0.0001656
1372 ALL	577879.2	4137046.14	2.21E-04	1.80E-04	0.0002211	1.72E-04	1.45E-04	0.000172
1373 ALL	577886.76	4137040.98	2.29E-04	1.87E-04	0.000229	1.78E-04	1.50E-04	0.0001781
1374 ALL	577894.32	4137035.83	2.36E-04	1.93E-04	0.0002365	1.84E-04	1.55E-04	0.0001839
1375 ALL	577901.88	4137030.67	2.44E-04	1.98E-04	0.0002435	1.89E-04	1.60E-04	0.0001894
1376 ALL	577909.44	4137025.51	2.50E-04	2.04E-04	0.0002501	1.95E-04	1.64E-04	0.0001945
1377 ALL	577916.99	4137020.36	2.56E-04	2.09E-04	0.000256	1.99E-04	1.68E-04	0.0001992
1378 ALL	577924.55	4137015.2	2.62E-04	2.13E-04	0.0002616	2.03E-04	1.72E-04	0.0002035
1379 ALL	577932.11	4137010.05	2.67E-04	2.17E-04	0.0002667	2.07E-04	1.75E-04	0.0002075
1380 ALL	577939.67	4137004.89	2.71E-04	2.21E-04	0.0002713	2.11E-04	1.78E-04	0.0002111
1381 ALL	577947.23	4136999.74	2.75E-04	2.24E-04	0.0002746	2.14E-04	1.80E-04	0.0002136
1382 ALL	577954.79	4136994.58	2.76E-04	2.25E-04	0.0002765	2.15E-04	1.81E-04	0.0002151
1383 ALL	577971.34	4136991.11	2.88E-04	2.34E-04	0.0002877	2.24E-04	1.89E-04	0.0002238
1384 ALL	577980.33	4136992.79	2.97E-04	2.42E-04	0.0002974	2.31E-04	1.95E-04	0.0002314
1385 ALL	577989.33	4136994.47	3.07E-04	2.50E-04	0.0003069	2.39E-04	2.01E-04	0.0002387
1386 ALL	577998.32	4136996.15	3.16E-04	2.57E-04	0.0003159	2.46E-04	2.07E-04	0.0002458
1387 ALL	578007.31	4136997.83	3.25E-04	2.65E-04	0.0003247	2.53E-04	2.13E-04	0.0002526
1388 ALL	578016.31	4136999.51	3.33E-04	2.71E-04	0.0003331	2.59E-04	2.18E-04	0.0002591
1389 ALL	578025.3	4137001.2	3.41E-04	2.78E-04	0.000341	2.65E-04	2.24E-04	0.0002652
1390 ALL	578034.29	4137002.88	3.48E-04	2.84E-04	0.0003485	2.71E-04	2.29E-04	0.0002711
1391 ALL	578043.29	4137004.56	3.50E-04	2.85E-04	0.0003499	2.72E-04	2.29E-04	0.0002721
1392 ALL	578052.28	4137006.24	3.56E-04	2.90E-04	0.0003557	2.77E-04	2.33E-04	0.0002767
1393 ALL	577765.83	4137123.47	9.68E-05	7.89E-05	9.678E-05	7.53E-05	6.35E-05	7.528E-05
1394 ALL	577760.64	4137131.37	9.18E-05	7.49E-05	9.176E-05	7.14E-05	6.02E-05	7.138E-05
1395 ALL	577755.46	4137139.27	8.67E-05	7.07E-05	8.669E-05	6.74E-05	5.69E-05	6.744E-05
1396 ALL	577750.28	4137147.17	8.18E-05	6.67E-05	8.179E-05	6.36E-05	5.37E-05	6.362E-05
1397 ALL	577745.1	4137155.08	7.71E-05	6.29E-05	7.706E-05	5.99E-05	5.06E-05	5.995E-05
1398 ALL	577739.92	4137162.98	7.25E-05	5.92E-05	7.255E-05	5.64E-05	4.76E-05	5.643E-05
1399 ALL	577734.74	4137170.88	6.82E-05	5.57E-05	6.824E-05	5.31E-05	4.48E-05	5.309E-05
1400 ALL	577729.56	4137178.78	6.41E-05	5.23E-05	6.413E-05	4.99E-05	4.21E-05	4.988E-05
1401 ALL	577724.38	4137186.68	6.02E-05	4.92E-05	6.024E-05	4.69E-05	3.96E-05	4.686E-05
1402 ALL	577719.19	4137194.58	5.66E-05	4.62E-05	5.663E-05	4.41E-05	3.72E-05	4.405E-05
1403 ALL	577714.01	4137202.48	5.33E-05	4.36E-05	5.335E-05	4.15E-05	3.51E-05	4.15E-05
1404 ALL	577708.83	4137210.38	5.04E-05	4.11E-05	5.038E-05	3.92E-05	3.31E-05	3.919E-05
1405 ALL	577703.65	4137218.28	4.77E-05	3.90E-05	4.771E-05	3.71E-05	3.14E-05	3.712E-05
1406 ALL	577698.47	4137226.18	4.53E-05	3.70E-05	4.529E-05	3.52E-05	2.98E-05	3.523E-05
1407 ALL	577693.29	4137234.08	4.31E-05	3.52E-05	4.313E-05	3.35E-05	2.84E-05	3.355E-05
1408 ALL	577688.11	4137241.98	4.12E-05	3.37E-05	4.125E-05	3.21E-05	2.71E-05	3.209E-05
1409 ALL	577757.47	4137107.66	9.18E-05	7.48E-05	9.176E-05	7.14E-05	6.02E-05	7.138E-05
1410 ALL	577765.2	4137102.38	9.81E-05	8.01E-05	9.815E-05	7.63E-05	6.44E-05	7.635E-05
1411 ALL	577772.93	4137097.11	1.05E-04	8.52E-05	0.0001045	8.13E-05	6.86E-05	8.129E-05
1412 ALL	577780.66	4137091.84	1.11E-04	9.06E-05	0.0001111	8.64E-05	7.29E-05	8.639E-05
1413 ALL	577788.38	4137086.57	1.18E-04	9.59E-05	0.0001176	9.15E-05	7.72E-05	9.15E-05
1414 ALL	577796.11	4137081.3	1.19E-04	9.71E-05	0.0001191	9.26E-05	7.81E-05	9.261E-05
1415 ALL	577803.84	4137076.03	1.26E-04	1.03E-04	0.0001264	9.84E-05	8.29E-05	9.836E-05

1416 ALL	577811.57	4137070.76	1.34E-04	1.09E-04	0.0001338	1.04E-04	8.78E-05	0.0001041
1417 ALL	577819.3	4137065.49	1.41E-04	1.15E-04	0.0001409	1.10E-04	9.24E-05	0.0001096
1418 ALL	577827.02	4137060.21	1.49E-04	1.21E-04	0.0001487	1.16E-04	9.75E-05	0.0001157
1419 ALL	577834.75	4137054.94	1.57E-04	1.28E-04	0.0001571	1.22E-04	1.03E-04	0.0001222
1420 ALL	577842.48	4137049.67	1.65E-04	1.35E-04	0.0001652	1.29E-04	1.08E-04	0.0001285
1421 ALL	577850.21	4137044.4	1.73E-04	1.41E-04	0.000173	1.35E-04	1.14E-04	0.0001346
1422 ALL	577857.93	4137039.13	1.87E-04	1.53E-04	0.0001871	1.46E-04	1.23E-04	0.0001456
1423 ALL	577865.66	4137033.86	1.95E-04	1.59E-04	0.0001947	1.51E-04	1.28E-04	0.0001515
1424 ALL	577873.39	4137028.59	2.02E-04	1.65E-04	0.000202	1.57E-04	1.32E-04	0.0001571
1425 ALL	577881.12	4137023.32	2.09E-04	1.70E-04	0.0002089	1.62E-04	1.37E-04	0.0001625
1426 ALL	577888.85	4137018.05	2.15E-04	1.76E-04	0.0002154	1.68E-04	1.41E-04	0.0001676
1427 ALL	577896.57	4137012.77	2.22E-04	1.81E-04	0.0002216	1.72E-04	1.45E-04	0.0001724
1428 ALL	577904.3	4137007.5	2.27E-04	1.85E-04	0.0002274	1.77E-04	1.49E-04	0.0001769
1429 ALL	577912.03	4137002.23	2.33E-04	1.90E-04	0.0002329	1.81E-04	1.53E-04	0.0001812
1430 ALL	577919.76	4136996.96	2.38E-04	1.94E-04	0.0002381	1.85E-04	1.56E-04	0.0001852
1431 ALL	577927.48	4136991.69	2.43E-04	1.98E-04	0.0002429	1.89E-04	1.59E-04	0.0001889
1432 ALL	577935.21	4136986.42	2.47E-04	2.01E-04	0.0002472	1.92E-04	1.62E-04	0.0001923
1433 ALL	577942.94	4136981.15	2.51E-04	2.04E-04	0.0002509	1.95E-04	1.65E-04	0.0001951
1434 ALL	577950.67	4136975.88	2.52E-04	2.06E-04	0.0002524	1.96E-04	1.66E-04	0.0001963
1435 ALL	577967.59	4136972.32	2.62E-04	2.14E-04	0.0002623	2.04E-04	1.72E-04	0.000204
1436 ALL	577976.79	4136974.04	2.71E-04	2.21E-04	0.0002711	2.11E-04	1.78E-04	0.0002109
1437 ALL	577985.98	4136975.76	2.80E-04	2.28E-04	0.0002796	2.18E-04	1.83E-04	0.0002175
1438 ALL	577995.18	4136977.48	2.88E-04	2.35E-04	0.0002878	2.24E-04	1.89E-04	0.0002239
1439 ALL	578004.37	4136979.2	2.96E-04	2.41E-04	0.0002957	2.30E-04	1.94E-04	0.00023
1440 ALL	578013.57	4136980.92	3.03E-04	2.47E-04	0.0003033	2.36E-04	1.99E-04	0.000236
1441 ALL	578022.76	4136982.64	3.11E-04	2.53E-04	0.0003106	2.42E-04	2.04E-04	0.0002416
1442 ALL	578031.96	4136984.36	3.17E-04	2.59E-04	0.0003174	2.47E-04	2.08E-04	0.0002469
1443 ALL	578041.15	4136986.08	3.24E-04	2.64E-04	0.000324	2.52E-04	2.12E-04	0.000252
1444 ALL	578050.35	4136987.8	3.25E-04	2.64E-04	0.0003245	2.52E-04	2.13E-04	0.0002524
1445 ALL	578059.54	4136989.52	3.29E-04	2.68E-04	0.0003294	2.56E-04	2.16E-04	0.0002562
1446 ALL	578169.88	4137010.15	3.49E-04	2.84E-04	0.0003489	2.71E-04	2.29E-04	0.0002714
1447 ALL	578179.08	4137011.87	3.45E-04	2.81E-04	0.0003446	2.68E-04	2.26E-04	0.000268
1448 ALL	578188.27	4137013.59	3.40E-04	2.77E-04	0.0003397	2.64E-04	2.23E-04	0.0002642
1449 ALL	578197.47	4137015.31	3.34E-04	2.72E-04	0.0003342	2.60E-04	2.19E-04	0.0002599
1450 ALL	577749.75	4137112.93	8.56E-05	6.98E-05	8.557E-05	6.66E-05	5.62E-05	6.656E-05
1451 ALL	577744.56	4137120.83	8.11E-05	6.62E-05	8.113E-05	6.31E-05	5.33E-05	6.311E-05
1452 ALL	577739.38	4137128.73	7.68E-05	6.27E-05	7.68E-05	5.97E-05	5.04E-05	5.975E-05
1453 ALL	577734.2	4137136.63	7.26E-05	5.92E-05	7.26E-05	5.65E-05	4.77E-05	5.647E-05
1454 ALL	577729.02	4137144.53	6.85E-05	5.59E-05	6.85E-05	5.33E-05	4.50E-05	5.328E-05
1455 ALL	577723.84	4137152.43	6.46E-05	5.27E-05	6.456E-05	5.02E-05	4.24E-05	5.022E-05
1456 ALL	577718.66	4137160.33	6.09E-05	4.97E-05	6.086E-05	4.73E-05	4.00E-05	4.734E-05
1457 ALL	577713.48	4137168.23	5.74E-05	4.68E-05	5.738E-05	4.46E-05	3.77E-05	4.463E-05
1458 ALL	577708.29	4137176.13	5.40E-05	4.41E-05	5.404E-05	4.20E-05	3.55E-05	4.204E-05
1459 ALL	577703.11	4137184.03	5.09E-05	4.16E-05	5.091E-05	3.96E-05	3.34E-05	3.96E-05
1460 ALL	577697.93	4137191.93	4.79E-05	3.91E-05	4.793E-05	3.73E-05	3.15E-05	3.728E-05
1461 ALL	577692.75	4137199.83	4.30E-05	3.51E-05	4.301E-05	3.35E-05	2.82E-05	3.346E-05
1462 ALL	577687.57	4137207.73	4.08E-05	3.33E-05	4.085E-05	3.18E-05	2.68E-05	3.177E-05
1463 ALL	577682.39	4137215.64	3.89E-05	3.17E-05	3.888E-05	3.02E-05	2.55E-05	3.025E-05
1464 ALL	577677.21	4137223.54	3.71E-05	3.03E-05	3.713E-05	2.89E-05	2.44E-05	2.888E-05
1465 ALL	577672.03	4137231.44	3.55E-05	2.90E-05	3.554E-05	2.76E-05	2.33E-05	2.764E-05
1466 ALL	577741.28	4137097.19	8.11E-05	6.62E-05	8.112E-05	6.31E-05	5.33E-05	6.31E-05
1467 ALL	577748.89	4137091.99	8.66E-05	7.06E-05	8.66E-05	6.74E-05	5.68E-05	6.737E-05
1468 ALL	577756.5	4137086.8	9.24E-05	7.54E-05	9.242E-05	7.19E-05	6.07E-05	7.189E-05
1469 ALL	577764.12	4137081.61	9.85E-05	8.03E-05	9.849E-05	7.66E-05	6.46E-05	7.661E-05
1470 ALL	577771.73	4137076.42	1.04E-04	8.51E-05	0.0001044	8.12E-05	6.85E-05	8.117E-05
1471 ALL	577779.34	4137071.22	1.10E-04	9.00E-05	0.0001104	8.59E-05	7.24E-05	8.586E-05
1472 ALL	577786.96	4137066.03	1.17E-04	9.50E-05	0.0001165	9.06E-05	7.65E-05	9.064E-05
1473 ALL	577794.57	4137060.84	1.18E-04	9.62E-05	0.000118	9.18E-05	7.74E-05	9.176E-05
1474 ALL	577802.18	4137055.64	1.24E-04	1.01E-04	0.0001242	9.66E-05	8.15E-05	9.664E-05

1475 ALL	577809.8	4137050.45	1.30E-04	1.06E-04	0.0001303	1.01E-04	8.54E-05	0.0001013
1476 ALL	577817.41	4137045.26	1.36E-04	1.11E-04	0.000136	1.06E-04	8.92E-05	0.0001058
1477 ALL	577825.02	4137040.06	1.42E-04	1.16E-04	0.0001419	1.10E-04	9.31E-05	0.0001104
1478 ALL	577832.63	4137034.87	1.49E-04	1.21E-04	0.0001488	1.16E-04	9.76E-05	0.0001158
1479 ALL	577840.25	4137029.68	1.56E-04	1.27E-04	0.0001556	1.21E-04	1.02E-04	0.000121
1480 ALL	577847.86	4137024.49	1.62E-04	1.32E-04	0.000162	1.26E-04	1.06E-04	0.000126
1481 ALL	577855.47	4137019.29	1.68E-04	1.37E-04	0.0001684	1.31E-04	1.10E-04	0.000131
1482 ALL	577863.09	4137014.1	1.75E-04	1.42E-04	0.0001747	1.36E-04	1.15E-04	0.0001359
1483 ALL	577870.7	4137008.91	1.81E-04	1.47E-04	0.0001806	1.40E-04	1.18E-04	0.0001404
1484 ALL	577878.31	4137003.71	1.86E-04	1.52E-04	0.0001861	1.45E-04	1.22E-04	0.0001448
1485 ALL	577885.93	4136998.52	1.92E-04	1.56E-04	0.0001917	1.49E-04	1.26E-04	0.0001492
1486 ALL	577893.54	4136993.33	2.04E-04	1.66E-04	0.0002039	1.59E-04	1.34E-04	0.0001586
1487 ALL	577901.15	4136988.13	2.09E-04	1.70E-04	0.0002089	1.63E-04	1.37E-04	0.0001625
1488 ALL	577908.77	4136982.94	2.14E-04	1.74E-04	0.0002137	1.66E-04	1.40E-04	0.0001662
1489 ALL	577916.38	4136977.75	2.18E-04	1.78E-04	0.0002182	1.70E-04	1.43E-04	0.0001697
1490 ALL	577923.99	4136972.56	2.22E-04	1.81E-04	0.0002223	1.73E-04	1.46E-04	0.0001729
1491 ALL	577931.61	4136967.36	2.26E-04	1.84E-04	0.000226	1.76E-04	1.48E-04	0.0001758
1492 ALL	577939.22	4136962.17	2.29E-04	1.87E-04	0.0002292	1.78E-04	1.50E-04	0.0001783
1493 ALL	577946.83	4136956.98	2.31E-04	1.88E-04	0.0002312	1.80E-04	1.52E-04	0.0001799
1494 ALL	577953.5	4136953.48	2.40E-04	1.96E-04	0.0002399	1.87E-04	1.57E-04	0.0001866
1495 ALL	577972.56	4136955.17	2.48E-04	2.02E-04	0.0002475	1.93E-04	1.62E-04	0.0001926
1496 ALL	577981.62	4136956.86	2.55E-04	2.08E-04	0.0002551	1.98E-04	1.67E-04	0.0001984
1497 ALL	577990.68	4136958.56	2.62E-04	2.14E-04	0.0002623	2.04E-04	1.72E-04	0.000204
1498 ALL	577999.74	4136960.25	2.69E-04	2.19E-04	0.0002692	2.09E-04	1.77E-04	0.0002094
1499 ALL	578008.8	4136961.95	2.76E-04	2.25E-04	0.000276	2.15E-04	1.81E-04	0.0002147
1500 ALL	578017.86	4136963.64	2.82E-04	2.30E-04	0.0002825	2.20E-04	1.85E-04	0.0002197
1501 ALL	578026.91	4136965.33	2.89E-04	2.35E-04	0.0002886	2.25E-04	1.89E-04	0.0002245
1502 ALL	578035.97	4136967.03	2.95E-04	2.40E-04	0.0002945	2.29E-04	1.93E-04	0.0002291
1503 ALL	578045.03	4136968.72	2.96E-04	2.41E-04	0.0002956	2.30E-04	1.94E-04	0.00023
1504 ALL	578054.09	4136970.42	3.00E-04	2.45E-04	0.0003002	2.34E-04	1.97E-04	0.0002335
1505 ALL	578063.15	4136972.11	3.04E-04	2.48E-04	0.0003044	2.37E-04	2.00E-04	0.0002368
1506 ALL	578162.79	4136990.74	3.21E-04	2.62E-04	0.0003214	2.50E-04	2.11E-04	0.00025
1507 ALL	578171.85	4136992.43	3.19E-04	2.60E-04	0.0003187	2.48E-04	2.09E-04	0.0002479
1508 ALL	578180.91	4136994.13	3.16E-04	2.57E-04	0.0003156	2.45E-04	2.07E-04	0.0002455
1509 ALL	578189.97	4136995.82	3.16E-04	2.58E-04	0.000316	2.46E-04	2.07E-04	0.0002458
1510 ALL	578199.03	4136997.52	3.12E-04	2.54E-04	0.0003119	2.43E-04	2.05E-04	0.0002426
1511 ALL	578208.09	4136999.21	3.07E-04	2.50E-04	0.0003072	2.39E-04	2.01E-04	0.000239
1512 ALL	577733.66	4137102.38	7.60E-05	6.20E-05	7.598E-05	5.91E-05	4.99E-05	5.911E-05
1513 ALL	577728.48	4137110.28	7.20E-05	5.88E-05	7.204E-05	5.60E-05	4.73E-05	5.604E-05
1514 ALL	577723.3	4137118.18	6.80E-05	5.55E-05	6.803E-05	5.29E-05	4.47E-05	5.292E-05
1515 ALL	577718.12	4137126.08	6.02E-05	4.91E-05	6.02E-05	4.68E-05	3.95E-05	4.683E-05
1516 ALL	577712.94	4137133.98	5.64E-05	4.60E-05	5.642E-05	4.39E-05	3.70E-05	4.389E-05
1517 ALL	577707.76	4137141.88	5.31E-05	4.33E-05	5.312E-05	4.13E-05	3.49E-05	4.132E-05
1518 ALL	577702.58	4137149.78	5.02E-05	4.09E-05	5.019E-05	3.90E-05	3.29E-05	3.904E-05
1519 ALL	577697.39	4137157.69	4.76E-05	3.88E-05	4.762E-05	3.70E-05	3.13E-05	3.704E-05
1520 ALL	577692.21	4137165.59	4.51E-05	3.68E-05	4.515E-05	3.51E-05	2.96E-05	3.512E-05
1521 ALL	577687.03	4137173.49	4.26E-05	3.48E-05	4.26E-05	3.31E-05	2.80E-05	3.314E-05
1522 ALL	577681.85	4137181.39	4.02E-05	3.28E-05	4.019E-05	3.13E-05	2.64E-05	3.126E-05
1523 ALL	577676.67	4137189.29	3.80E-05	3.10E-05	3.798E-05	2.95E-05	2.49E-05	2.955E-05
1524 ALL	577671.49	4137197.19	3.59E-05	2.93E-05	3.587E-05	2.79E-05	2.36E-05	2.79E-05
1525 ALL	577666.31	4137205.09	3.38E-05	2.76E-05	3.379E-05	2.63E-05	2.22E-05	2.629E-05
1526 ALL	577661.13	4137212.99	3.18E-05	2.59E-05	3.18E-05	2.47E-05	2.09E-05	2.473E-05
1527 ALL	577655.94	4137220.89	2.99E-05	2.44E-05	2.986E-05	2.32E-05	1.96E-05	2.323E-05
1528 ALL	577945.86	4137434.73	2.98E-03	2.43E-03	0.0029754	2.31E-03	1.95E-03	0.0023146
1529 ALL	577953.76	4137439.7	3.13E-03	2.55E-03	0.0031296	2.43E-03	2.05E-03	0.0024345
1530 ALL	577961.66	4137444.68	2.96E-03	2.41E-03	0.0029562	2.30E-03	1.94E-03	0.0022996
1531 ALL	577920.71	4137411.6	1.27E-03	1.04E-03	0.0012722	9.90E-04	8.35E-04	0.0009896
1532 ALL	577940.53	4137443.19	2.47E-03	2.01E-03	0.0024683	1.92E-03	1.62E-03	0.0019201
1533 ALL	577948.43	4137448.17	2.54E-03	2.07E-03	0.0025441	1.98E-03	1.67E-03	0.001979

1534 ALL	577956.33	4137453.14	2.40E-03	1.95E-03	0.0023972	1.86E-03	1.57E-03	0.0018648
1535 ALL	577913.98	4137427.67	1.34E-03	1.09E-03	0.0013359	1.04E-03	8.76E-04	0.0010392
1536 ALL	577910.94	4137413.72	1.03E-03	8.43E-04	0.0010338	8.04E-04	6.78E-04	0.0008042
1537 ALL	577908.65	4137436.13	1.27E-03	1.04E-03	0.0012742	9.91E-04	8.36E-04	0.0009912
1538 ALL	577901.17	4137415.85	8.57E-04	6.98E-04	0.0008566	6.66E-04	5.62E-04	0.0006664
1539 ALL	577903.99	4137400.63	7.20E-04	5.87E-04	0.00072	5.60E-04	4.73E-04	0.00056
1540 ALL	577905.98	4137448.39	1.28E-03	1.04E-03	0.0012764	9.93E-04	8.37E-04	0.0009929
1541 ALL	577900.65	4137440.79	1.11E-03	9.08E-04	0.0011143	8.67E-04	7.31E-04	0.0008668
1542 ALL	577895.32	4137433.18	9.40E-04	7.66E-04	0.0009395	7.31E-04	6.16E-04	0.0007308
1543 ALL	577924.54	4137468.57	1.53E-03	1.24E-03	0.0015271	1.19E-03	1.00E-03	0.0011879
1544 ALL	577932.44	4137473.55	1.52E-03	1.24E-03	0.0015197	1.18E-03	9.97E-04	0.0011822
1545 ALL	577940.34	4137478.53	1.44E-03	1.17E-03	0.0014396	1.12E-03	9.44E-04	0.0011199
1546 ALL	577948.24	4137483.5	1.30E-03	1.06E-03	0.0013025	1.01E-03	8.54E-04	0.0010132
1547 ALL	577956.14	4137488.48	1.14E-03	9.26E-04	0.0011358	8.84E-04	7.45E-04	0.0008835
1548 ALL	577900.95	4137457.27	1.18E-03	9.63E-04	0.0011814	9.19E-04	7.75E-04	0.000919
1549 ALL	577890.58	4137442.49	9.29E-04	7.57E-04	0.0009288	7.23E-04	6.09E-04	0.0007225
1550 ALL	577885.4	4137435.1	7.89E-04	6.43E-04	0.000789	6.14E-04	5.18E-04	0.0006138
1551 ALL	577919.21	4137477.04	1.33E-03	1.09E-03	0.0013338	1.04E-03	8.75E-04	0.0010376
1552 ALL	577927.11	4137482.01	1.32E-03	1.08E-03	0.0013193	1.03E-03	8.65E-04	0.0010263
1553 ALL	577935.01	4137486.99	1.25E-03	1.02E-03	0.0012516	9.74E-04	8.21E-04	0.0009736
1554 ALL	577942.91	4137491.96	1.14E-03	9.32E-04	0.0011433	8.89E-04	7.50E-04	0.0008894
1555 ALL	577890.75	4137458.8	1.00E-03	8.18E-04	0.0010037	7.81E-04	6.58E-04	0.0007808
1556 ALL	577880.6	4137444.31	7.85E-04	6.40E-04	0.0007853	6.11E-04	5.15E-04	0.0006109
1557 ALL	577913.88	4137485.5	1.18E-03	9.59E-04	0.0011767	9.15E-04	7.72E-04	0.0009154
1558 ALL	577921.78	4137490.47	1.16E-03	9.44E-04	0.0011588	9.01E-04	7.60E-04	0.0009014
1559 ALL	577929.68	4137495.45	1.10E-03	8.98E-04	0.0011012	8.57E-04	7.22E-04	0.0008566
1560 ALL	577937.58	4137500.43	1.01E-03	8.26E-04	0.0010137	7.89E-04	6.65E-04	0.0007886
1561 ALL	577945.48	4137505.4	9.09E-04	7.41E-04	0.0009092	7.07E-04	5.96E-04	0.0007073
1562 ALL	577885.66	4137467.6	9.39E-04	7.65E-04	0.0009388	7.30E-04	6.16E-04	0.0007303
1563 ALL	577875.67	4137453.34	7.69E-04	6.26E-04	0.0007686	5.98E-04	5.04E-04	0.0005979
1564 ALL	577908.55	4137493.96	1.05E-03	8.53E-04	0.0010469	8.14E-04	6.87E-04	0.0008144
1565 ALL	577916.45	4137498.93	1.03E-03	8.38E-04	0.0010282	8.00E-04	6.74E-04	0.0007998
1566 ALL	577924.35	4137503.91	9.79E-04	7.98E-04	0.0009791	7.62E-04	6.42E-04	0.0007616
1567 ALL	577932.25	4137508.89	9.07E-04	7.39E-04	0.0009073	7.06E-04	5.95E-04	0.0007057
1568 ALL	577880.52	4137476.32	8.75E-04	7.13E-04	0.0008747	6.80E-04	5.74E-04	0.0006804
1569 ALL	577870.65	4137462.24	7.43E-04	6.05E-04	0.0007429	5.78E-04	4.87E-04	0.0005779
1570 ALL	577903.22	4137502.42	9.39E-04	7.65E-04	0.0009386	7.30E-04	6.16E-04	0.0007301
1571 ALL	577911.12	4137507.4	9.20E-04	7.50E-04	0.00092	7.16E-04	6.03E-04	0.0007157
1572 ALL	577919.02	4137512.37	8.78E-04	7.15E-04	0.0008779	6.83E-04	5.76E-04	0.0006829
1573 ALL	577926.92	4137517.35	8.18E-04	6.67E-04	0.0008178	6.36E-04	5.36E-04	0.0006361
1574 ALL	577934.82	4137522.32	7.47E-04	6.09E-04	0.0007466	5.81E-04	4.90E-04	0.0005808
1575 ALL	577874.48	4137498.61	7.78E-04	6.34E-04	0.0007777	6.05E-04	5.10E-04	0.000605
1576 ALL	577869.19	4137491.05	7.53E-04	6.13E-04	0.0007526	5.85E-04	4.94E-04	0.0005854
1577 ALL	577863.89	4137483.5	7.11E-04	5.80E-04	0.0007112	5.53E-04	4.66E-04	0.0005533
1578 ALL	577858.59	4137475.94	6.57E-04	5.35E-04	0.000657	5.11E-04	4.31E-04	0.0005111
1579 ALL	577845.56	4137365.59	1.80E-04	1.47E-04	0.0001799	1.40E-04	1.18E-04	0.0001399
1580 ALL	577847.24	4137356.52	1.72E-04	1.40E-04	0.0001718	1.34E-04	1.13E-04	0.0001336
1581 ALL	577892.97	4137518.69	7.75E-04	6.32E-04	0.0007754	6.03E-04	5.09E-04	0.0006032
1582 ALL	577900.87	4137523.67	7.58E-04	6.18E-04	0.0007578	5.90E-04	4.97E-04	0.0005895
1583 ALL	577908.77	4137528.64	7.25E-04	5.91E-04	0.0007253	5.64E-04	4.76E-04	0.0005642
1584 ALL	577864.57	4137515.37	6.70E-04	5.46E-04	0.0006701	5.21E-04	4.39E-04	0.0005212
1585 ALL	577854.32	4137500.74	6.36E-04	5.19E-04	0.0006364	4.95E-04	4.17E-04	0.000495
1586 ALL	577821.45	4137398.35	1.89E-04	1.54E-04	0.0001886	1.47E-04	1.24E-04	0.0001467
1587 ALL	577824.7	4137380.8	1.63E-04	1.33E-04	0.0001626	1.27E-04	1.07E-04	0.0001265
1588 ALL	577827.96	4137363.24	1.45E-04	1.18E-04	0.0001446	1.12E-04	9.50E-05	0.0001125
1589 ALL	577849.57	4137524.85	5.78E-04	4.71E-04	0.0005777	4.49E-04	3.79E-04	0.0004494
1590 ALL	577839.56	4137510.57	5.46E-04	4.45E-04	0.0005463	4.25E-04	3.58E-04	0.000425
1591 ALL	577796.12	4137437.77	2.15E-04	1.75E-04	0.0002149	1.67E-04	1.41E-04	0.0001672
1592 ALL	577799.29	4137420.63	1.87E-04	1.52E-04	0.0001866	1.45E-04	1.22E-04	0.0001451



1593 ALL	577802.47	4137403.49	1.61E-04	1.32E-04	0.0001613	1.25E-04	1.06E-04	0.0001255
1594 ALL	577805.64	4137386.35	1.41E-04	1.15E-04	0.0001405	1.09E-04	9.23E-05	0.0001093
1595 ALL	577808.82	4137369.2	1.25E-04	1.02E-04	0.000125	9.73E-05	8.22E-05	9.725E-05
1596 ALL	577811.99	4137352.06	1.15E-04	9.40E-05	0.0001151	8.95E-05	7.57E-05	8.952E-05
1597 ALL	577880.38	4137556.21	5.47E-04	4.46E-04	0.000547	4.26E-04	3.59E-04	0.0004255
1598 ALL	577888.28	4137561.19	5.26E-04	4.29E-04	0.0005259	4.09E-04	3.45E-04	0.0004091
1599 ALL	577896.18	4137566.16	4.99E-04	4.07E-04	0.0004988	3.88E-04	3.27E-04	0.000388
1600 ALL	577904.08	4137571.14	4.68E-04	3.81E-04	0.0004678	3.64E-04	3.07E-04	0.0003639
1601 ALL	577849.09	4137555.06	5.03E-04	4.10E-04	0.0005035	3.92E-04	3.30E-04	0.0003917
1602 ALL	577828.13	4137525.16	4.87E-04	3.97E-04	0.0004866	3.79E-04	3.19E-04	0.0003785
1603 ALL	577777.4	4137441.45	1.81E-04	1.47E-04	0.0001806	1.41E-04	1.19E-04	0.0001405
1604 ALL	577779.06	4137432.48	1.69E-04	1.37E-04	0.0001686	1.31E-04	1.11E-04	0.0001311
1605 ALL	577780.72	4137423.5	1.57E-04	1.28E-04	0.000157	1.22E-04	1.03E-04	0.0001221
1606 ALL	577782.39	4137414.53	1.46E-04	1.19E-04	0.0001461	1.14E-04	9.59E-05	0.0001136
1607 ALL	577784.05	4137405.55	1.36E-04	1.11E-04	0.0001361	1.06E-04	8.94E-05	0.0001058
1608 ALL	577785.71	4137396.58	1.27E-04	1.04E-04	0.000127	9.88E-05	8.34E-05	9.879E-05
1609 ALL	577787.37	4137387.6	1.19E-04	9.71E-05	0.000119	9.26E-05	7.82E-05	9.256E-05
1610 ALL	577790.7	4137369.65	1.06E-04	8.68E-05	0.0001062	8.26E-05	6.98E-05	8.264E-05
1611 ALL	577792.36	4137360.68	1.01E-04	8.29E-05	0.0001015	7.89E-05	6.67E-05	7.894E-05
1612 ALL	577794.02	4137351.7	9.78E-05	7.99E-05	9.781E-05	7.61E-05	6.43E-05	7.609E-05
1613 ALL	577795.69	4137342.73	9.53E-05	7.78E-05	9.527E-05	7.41E-05	6.26E-05	7.411E-05
1614 ALL	577797.35	4137333.75	9.38E-05	7.66E-05	9.38E-05	7.30E-05	6.17E-05	7.296E-05
1615 ALL	577799.01	4137324.78	9.34E-05	7.63E-05	9.34E-05	7.27E-05	6.14E-05	7.265E-05
1616 ALL	577854.33	4137562.53	4.92E-04	4.01E-04	0.0004915	3.82E-04	3.22E-04	0.0003824
1617 ALL	577862.23	4137567.51	4.86E-04	3.96E-04	0.0004856	3.78E-04	3.18E-04	0.0003778
1618 ALL	577870.13	4137572.48	4.74E-04	3.86E-04	0.0004739	3.69E-04	3.11E-04	0.0003686
1619 ALL	577878.03	4137577.46	4.57E-04	3.72E-04	0.0004569	3.55E-04	3.00E-04	0.0003555
1620 ALL	577885.93	4137582.44	4.36E-04	3.55E-04	0.0004356	3.39E-04	2.86E-04	0.0003388
1621 ALL	577893.83	4137587.41	4.11E-04	3.35E-04	0.0004108	3.20E-04	2.69E-04	0.0003196
1622 ALL	577838.95	4137571.49	4.42E-04	3.61E-04	0.0004425	3.44E-04	2.90E-04	0.0003442
1623 ALL	577828.7	4137556.87	4.51E-04	3.68E-04	0.0004515	3.51E-04	2.96E-04	0.0003512
1624 ALL	577772.32	4137476.45	2.31E-04	1.88E-04	0.0002307	1.79E-04	1.51E-04	0.0001794
1625 ALL	577762.07	4137461.82	1.84E-04	1.50E-04	0.0001839	1.43E-04	1.21E-04	0.0001431
1626 ALL	577758.57	4137445.73	1.54E-04	1.25E-04	0.0001536	1.20E-04	1.01E-04	0.0001195
1627 ALL	577761.82	4137428.17	1.35E-04	1.10E-04	0.0001348	1.05E-04	8.85E-05	0.0001048
1628 ALL	577765.08	4137410.61	1.18E-04	9.63E-05	0.0001181	9.18E-05	7.75E-05	9.184E-05
1629 ALL	577768.33	4137393.05	1.04E-04	8.51E-05	0.0001042	8.11E-05	6.85E-05	8.106E-05
1630 ALL	577771.58	4137375.5	9.35E-05	7.63E-05	9.349E-05	7.27E-05	6.14E-05	7.272E-05
1631 ALL	577774.84	4137357.94	8.58E-05	7.01E-05	8.583E-05	6.68E-05	5.64E-05	6.677E-05
1632 ALL	577778.09	4137340.38	8.11E-05	6.63E-05	8.11E-05	6.31E-05	5.33E-05	6.309E-05
1633 ALL	577779.71	4137331.6	7.98E-05	6.52E-05	7.982E-05	6.21E-05	5.25E-05	6.209E-05
1634 ALL	577851.98	4137583.78	4.26E-04	3.47E-04	0.0004255	3.31E-04	2.79E-04	0.000331
1635 ALL	577859.88	4137588.76	4.15E-04	3.38E-04	0.0004152	3.23E-04	2.72E-04	0.000323
1636 ALL	577867.78	4137593.73	4.01E-04	3.27E-04	0.0004009	3.12E-04	2.63E-04	0.0003119
1637 ALL	577875.68	4137598.71	3.83E-04	3.12E-04	0.0003834	2.98E-04	2.51E-04	0.0002983
1638 ALL	577883.58	4137603.68	3.64E-04	2.96E-04	0.0003636	2.83E-04	2.38E-04	0.0002828
1639 ALL	577828.51	4137587.49	3.93E-04	3.20E-04	0.0003927	3.05E-04	2.57E-04	0.0003054
1640 ALL	577823.2	4137579.91	4.00E-04	3.26E-04	0.0003997	3.11E-04	2.62E-04	0.0003109
1641 ALL	577817.88	4137572.33	4.03E-04	3.28E-04	0.0004028	3.13E-04	2.64E-04	0.0003134
1642 ALL	577812.57	4137564.75	4.02E-04	3.27E-04	0.0004018	3.13E-04	2.64E-04	0.0003126
1643 ALL	577807.25	4137557.17	3.97E-04	3.23E-04	0.0003965	3.08E-04	2.60E-04	0.0003085
1644 ALL	577764.73	4137496.51	2.43E-04	1.98E-04	0.0002429	1.89E-04	1.59E-04	0.000189
1645 ALL	577759.42	4137488.93	2.20E-04	1.79E-04	0.0002197	1.71E-04	1.44E-04	0.0001709
1646 ALL	577754.1	4137481.34	1.97E-04	1.61E-04	0.0001974	1.54E-04	1.30E-04	0.0001536
1647 ALL	577748.78	4137473.76	1.77E-04	1.44E-04	0.0001766	1.37E-04	1.16E-04	0.0001374
1648 ALL	577743.47	4137466.18	1.58E-04	1.29E-04	0.0001576	1.23E-04	1.03E-04	0.0001226
1649 ALL	577739.84	4137449.49	1.32E-04	1.07E-04	0.0001318	1.03E-04	8.65E-05	0.0001025
1650 ALL	577741.53	4137440.39	1.23E-04	1.01E-04	0.0001235	9.61E-05	8.11E-05	9.605E-05
1651 ALL	577743.21	4137431.28	1.16E-04	9.43E-05	0.0001156	8.99E-05	7.59E-05	8.995E-05

1652 ALL	577744.9	4137422.18	1.08E-04	8.84E-05	0.0001083	8.43E-05	7.11E-05	8.425E-05
1653 ALL	577746.59	4137413.07	1.02E-04	8.29E-05	0.0001016	7.90E-05	6.67E-05	7.9E-05
1654 ALL	577748.27	4137403.97	9.54E-05	7.79E-05	9.539E-05	7.42E-05	6.27E-05	7.421E-05
1655 ALL	577749.96	4137394.86	8.99E-05	7.34E-05	8.987E-05	6.99E-05	5.90E-05	6.991E-05
1656 ALL	577751.65	4137385.76	8.50E-05	6.94E-05	8.504E-05	6.62E-05	5.59E-05	6.615E-05
1657 ALL	577753.33	4137376.66	8.09E-05	6.60E-05	8.086E-05	6.29E-05	5.31E-05	6.29E-05
1658 ALL	577755.02	4137367.55	7.73E-05	6.32E-05	7.734E-05	6.02E-05	5.08E-05	6.016E-05
1659 ALL	577756.71	4137358.45	7.44E-05	6.08E-05	7.443E-05	5.79E-05	4.89E-05	5.79E-05
1660 ALL	577758.39	4137349.34	7.21E-05	5.89E-05	7.207E-05	5.61E-05	4.74E-05	5.607E-05
1661 ALL	577760.08	4137340.24	7.02E-05	5.74E-05	7.022E-05	5.46E-05	4.62E-05	5.462E-05
1662 ALL	577761.77	4137331.13	6.89E-05	5.63E-05	6.885E-05	5.36E-05	4.53E-05	5.356E-05
1663 ALL	577763.45	4137322.03	6.80E-05	5.56E-05	6.804E-05	5.29E-05	4.47E-05	5.293E-05
1664 ALL	577765.14	4137312.92	6.80E-05	5.55E-05	6.798E-05	5.29E-05	4.47E-05	5.288E-05
1665 ALL	577766.83	4137303.82	6.86E-05	5.60E-05	6.858E-05	5.33E-05	4.51E-05	5.335E-05
1666 ALL	577833.83	4137595.08	3.82E-04	3.11E-04	0.0003822	2.97E-04	2.51E-04	0.0002973
1667 ALL	577841.73	4137600.05	3.77E-04	3.07E-04	0.0003766	2.93E-04	2.47E-04	0.0002929
1668 ALL	577849.63	4137605.03	3.67E-04	2.99E-04	0.0003674	2.86E-04	2.41E-04	0.0002858
1669 ALL	577857.53	4137610	3.55E-04	2.90E-04	0.0003554	2.76E-04	2.33E-04	0.0002764
1670 ALL	577865.43	4137614.98	3.41E-04	2.78E-04	0.0003407	2.65E-04	2.23E-04	0.000265
1671 ALL	577873.33	4137619.96	3.24E-04	2.64E-04	0.0003242	2.52E-04	2.13E-04	0.0002522
1672 ALL	577818.37	4137603.91	3.51E-04	2.86E-04	0.0003507	2.73E-04	2.30E-04	0.0002728
1673 ALL	577813.16	4137596.48	3.58E-04	2.91E-04	0.0003575	2.78E-04	2.34E-04	0.0002781
1674 ALL	577807.95	4137589.05	3.61E-04	2.95E-04	0.0003615	2.81E-04	2.37E-04	0.0002812
1675 ALL	577802.74	4137581.61	3.62E-04	2.95E-04	0.0003623	2.82E-04	2.38E-04	0.0002819
1676 ALL	577792.31	4137566.75	3.54E-04	2.89E-04	0.0003542	2.76E-04	2.32E-04	0.0002755
1677 ALL	577787.1	4137559.32	3.45E-04	2.81E-04	0.0003454	2.69E-04	2.27E-04	0.0002687
1678 ALL	577766.26	4137529.58	2.84E-04	2.31E-04	0.0002838	2.21E-04	1.86E-04	0.0002208
1679 ALL	577755.84	4137514.72	2.44E-04	1.99E-04	0.0002444	1.90E-04	1.60E-04	0.0001901
1680 ALL	577750.63	4137507.28	2.24E-04	1.83E-04	0.0002243	1.74E-04	1.47E-04	0.0001745
1681 ALL	577745.42	4137499.85	2.05E-04	1.67E-04	0.0002047	1.59E-04	1.34E-04	0.0001592
1682 ALL	577735	4137484.98	1.68E-04	1.37E-04	0.0001677	1.30E-04	1.10E-04	0.0001305
1683 ALL	577729.78	4137477.55	1.51E-04	1.23E-04	0.0001511	1.18E-04	9.91E-05	0.0001175
1684 ALL	577724.57	4137470.12	1.36E-04	1.11E-04	0.0001359	1.06E-04	8.92E-05	0.0001057
1685 ALL	577721.02	4137453.76	1.15E-04	9.38E-05	0.0001151	8.95E-05	7.55E-05	8.95E-05
1686 ALL	577722.67	4137444.83	1.08E-04	8.82E-05	0.0001081	8.41E-05	7.10E-05	8.412E-05
1687 ALL	577725.98	4137426.98	9.55E-05	7.79E-05	9.545E-05	7.43E-05	6.27E-05	7.425E-05
1688 ALL	577727.63	4137418.05	8.98E-05	7.33E-05	8.981E-05	6.99E-05	5.90E-05	6.986E-05
1689 ALL	577730.94	4137400.2	8.00E-05	6.53E-05	8E-05	6.22E-05	5.26E-05	6.223E-05
1690 ALL	577732.59	4137391.28	7.58E-05	6.19E-05	7.582E-05	5.90E-05	4.98E-05	5.898E-05
1691 ALL	577734.24	4137382.35	7.22E-05	5.90E-05	7.219E-05	5.62E-05	4.74E-05	5.616E-05
1692 ALL	577737.55	4137364.5	6.65E-05	5.44E-05	6.655E-05	5.18E-05	4.37E-05	5.177E-05
1693 ALL	577739.2	4137355.57	6.44E-05	5.26E-05	6.441E-05	5.01E-05	4.23E-05	5.01E-05
1694 ALL	577742.51	4137337.72	6.14E-05	5.01E-05	6.136E-05	4.77E-05	4.03E-05	4.773E-05
1695 ALL	577744.16	4137328.8	6.04E-05	4.94E-05	6.04E-05	4.70E-05	3.97E-05	4.699E-05
1696 ALL	577745.82	4137319.87	5.98E-05	4.89E-05	5.981E-05	4.65E-05	3.93E-05	4.652E-05
1697 ALL	577749.12	4137302.02	6.00E-05	4.90E-05	6.002E-05	4.67E-05	3.95E-05	4.669E-05
1698 ALL	577831.48	4137616.32	3.36E-04	2.74E-04	0.000336	2.61E-04	2.20E-04	0.0002614
1699 ALL	577839.38	4137621.3	3.28E-04	2.67E-04	0.000328	2.55E-04	2.15E-04	0.0002551
1700 ALL	577847.28	4137626.28	3.18E-04	2.59E-04	0.0003177	2.47E-04	2.08E-04	0.0002471
1701 ALL	577855.18	4137631.25	3.06E-04	2.49E-04	0.0003055	2.38E-04	2.00E-04	0.0002376
1702 ALL	577863.08	4137636.23	2.92E-04	2.38E-04	0.0002919	2.27E-04	1.91E-04	0.000227
1703 ALL	577808.2	4137620.31	3.16E-04	2.57E-04	0.0003156	2.46E-04	2.07E-04	0.0002455
1704 ALL	577797.95	4137605.69	3.26E-04	2.66E-04	0.0003263	2.54E-04	2.14E-04	0.0002539
1705 ALL	577792.83	4137598.37	3.28E-04	2.67E-04	0.0003282	2.55E-04	2.15E-04	0.0002553
1706 ALL	577782.58	4137583.75	3.24E-04	2.64E-04	0.0003244	2.52E-04	2.13E-04	0.0002524
1707 ALL	577772.33	4137569.13	3.11E-04	2.53E-04	0.0003107	2.42E-04	2.04E-04	0.0002417
1708 ALL	577767.2	4137561.82	3.00E-04	2.45E-04	0.0003002	2.34E-04	1.97E-04	0.0002335
1709 ALL	577736.45	4137517.95	2.07E-04	1.69E-04	0.0002074	1.61E-04	1.36E-04	0.0001613
1710 ALL	577726.2	4137503.33	1.74E-04	1.42E-04	0.0001745	1.36E-04	1.14E-04	0.0001357

1711 ALL	577715.95	4137488.7	1.44E-04	1.18E-04	0.0001445	1.12E-04	9.48E-05	0.0001124
1712 ALL	577705.7	4137474.08	1.19E-04	9.68E-05	0.0001187	9.23E-05	7.79E-05	9.234E-05
1713 ALL	577702.2	4137457.99	1.02E-04	8.29E-05	0.0001016	7.90E-05	6.67E-05	7.901E-05
1714 ALL	577705.45	4137440.43	9.03E-05	7.36E-05	9.026E-05	7.02E-05	5.93E-05	7.022E-05
1715 ALL	577708.7	4137422.87	8.03E-05	6.55E-05	8.027E-05	6.24E-05	5.27E-05	6.244E-05
1716 ALL	577711.96	4137405.31	7.19E-05	5.87E-05	7.188E-05	5.59E-05	4.72E-05	5.592E-05
1717 ALL	577715.21	4137387.75	6.53E-05	5.33E-05	6.53E-05	5.08E-05	4.29E-05	5.08E-05
1718 ALL	577718.46	4137370.2	6.03E-05	4.92E-05	6.027E-05	4.69E-05	3.96E-05	4.689E-05
1719 ALL	577721.71	4137352.64	5.67E-05	4.63E-05	5.667E-05	4.41E-05	3.73E-05	4.408E-05
1720 ALL	577723.34	4137343.86	5.54E-05	4.52E-05	5.538E-05	4.31E-05	3.64E-05	4.308E-05
1721 ALL	577726.59	4137326.3	5.38E-05	4.39E-05	5.376E-05	4.18E-05	3.54E-05	4.182E-05
1722 ALL	577729.84	4137308.74	5.32E-05	4.34E-05	5.317E-05	4.14E-05	3.50E-05	4.136E-05
1723 ALL	577733.1	4137291.18	5.37E-05	4.39E-05	0.0000537	4.18E-05	3.53E-05	4.177E-05
1724 ALL	577821.23	4137632.6	3.02E-04	2.46E-04	0.000302	2.35E-04	1.98E-04	0.0002349
1725 ALL	577829.13	4137637.57	2.95E-04	2.40E-04	0.0002949	2.29E-04	1.93E-04	0.0002294
1726 ALL	577837.03	4137642.55	2.86E-04	2.33E-04	0.000286	2.22E-04	1.88E-04	0.0002225
1727 ALL	577844.93	4137647.52	2.76E-04	2.25E-04	0.0002756	2.14E-04	1.81E-04	0.0002144
1728 ALL	577852.83	4137652.5	2.64E-04	2.15E-04	0.0002639	2.05E-04	1.73E-04	0.0002053
1729 ALL	577797.81	4137636.37	2.86E-04	2.33E-04	0.000286	2.22E-04	1.88E-04	0.0002225
1730 ALL	577792.53	4137628.84	2.92E-04	2.38E-04	0.0002923	2.27E-04	1.92E-04	0.0002273
1731 ALL	577787.26	4137621.32	2.97E-04	2.42E-04	0.0002966	2.31E-04	1.94E-04	0.0002307
1732 ALL	577781.98	4137613.8	2.99E-04	2.44E-04	0.0002988	2.32E-04	1.96E-04	0.0002325
1733 ALL	577776.71	4137606.28	2.99E-04	2.44E-04	0.0002989	2.33E-04	1.96E-04	0.0002325
1734 ALL	577771.44	4137598.75	2.97E-04	2.42E-04	0.0002969	2.31E-04	1.95E-04	0.0002309
1735 ALL	577766.16	4137591.23	2.93E-04	2.38E-04	0.0002926	2.28E-04	1.92E-04	0.0002276
1736 ALL	577760.89	4137583.71	2.86E-04	2.33E-04	0.0002861	2.23E-04	1.88E-04	0.0002226
1737 ALL	577755.61	4137576.18	2.78E-04	2.26E-04	0.0002775	2.16E-04	1.82E-04	0.0002159
1738 ALL	577750.34	4137568.66	2.67E-04	2.18E-04	0.0002671	2.08E-04	1.75E-04	0.0002078
1739 ALL	577745.07	4137561.14	2.55E-04	2.08E-04	0.0002551	1.98E-04	1.67E-04	0.0001984
1740 ALL	577739.79	4137553.61	2.42E-04	1.97E-04	0.0002417	1.88E-04	1.59E-04	0.000188
1741 ALL	577718.7	4137523.52	1.82E-04	1.48E-04	0.000182	1.42E-04	1.19E-04	0.0001416
1742 ALL	577713.42	4137516	1.67E-04	1.36E-04	0.0001672	1.30E-04	1.10E-04	0.0001301
1743 ALL	577708.15	4137508.47	1.53E-04	1.25E-04	0.0001531	1.19E-04	1.00E-04	0.0001191
1744 ALL	577702.88	4137500.95	1.40E-04	1.14E-04	0.0001398	1.09E-04	9.17E-05	0.0001087
1745 ALL	577697.6	4137493.43	1.27E-04	1.04E-04	0.0001272	9.89E-05	8.34E-05	9.893E-05
1746 ALL	577692.33	4137485.9	1.15E-04	9.42E-05	0.0001155	8.98E-05	7.58E-05	8.983E-05
1747 ALL	577687.05	4137478.38	1.05E-04	8.54E-05	0.0001048	8.15E-05	6.88E-05	8.15E-05
1748 ALL	577683.45	4137461.82	9.00E-05	7.34E-05	8.998E-05	7.00E-05	5.91E-05	6.999E-05
1749 ALL	577685.13	4137452.79	8.50E-05	6.93E-05	8.498E-05	6.61E-05	5.58E-05	6.611E-05
1750 ALL	577686.8	4137443.76	8.02E-05	6.54E-05	8.019E-05	6.24E-05	5.27E-05	6.238E-05
1751 ALL	577688.47	4137434.72	7.57E-05	6.17E-05	7.566E-05	5.89E-05	4.97E-05	5.885E-05
1752 ALL	577690.15	4137425.69	7.15E-05	5.83E-05	7.148E-05	5.56E-05	4.69E-05	5.56E-05
1753 ALL	577691.82	4137416.65	6.76E-05	5.52E-05	6.762E-05	5.26E-05	4.44E-05	5.26E-05
1754 ALL	577693.49	4137407.62	6.41E-05	5.23E-05	6.41E-05	4.99E-05	4.21E-05	4.986E-05
1755 ALL	577695.17	4137398.58	6.11E-05	4.99E-05	6.11E-05	4.75E-05	4.01E-05	4.753E-05
1756 ALL	577696.84	4137389.55	5.84E-05	4.77E-05	5.844E-05	4.55E-05	3.84E-05	4.546E-05
1757 ALL	577698.51	4137380.52	5.61E-05	4.58E-05	5.611E-05	4.36E-05	3.69E-05	4.365E-05
1758 ALL	577700.19	4137371.48	5.41E-05	4.42E-05	5.414E-05	4.21E-05	3.56E-05	4.211E-05
1759 ALL	577701.86	4137362.45	5.24E-05	4.28E-05	5.245E-05	4.08E-05	3.45E-05	4.08E-05
1760 ALL	577703.53	4137353.41	5.10E-05	4.17E-05	5.101E-05	3.97E-05	3.35E-05	3.968E-05
1761 ALL	577705.21	4137344.38	4.99E-05	4.08E-05	4.993E-05	3.88E-05	3.28E-05	3.884E-05
1762 ALL	577706.88	4137335.35	4.92E-05	4.02E-05	4.922E-05	3.83E-05	3.24E-05	3.828E-05
1763 ALL	577708.55	4137326.31	4.87E-05	3.98E-05	4.867E-05	3.79E-05	3.20E-05	3.786E-05
1764 ALL	577710.23	4137317.28	4.83E-05	3.95E-05	4.829E-05	3.76E-05	3.18E-05	3.756E-05
1765 ALL	577711.9	4137308.24	4.81E-05	3.93E-05	4.811E-05	3.74E-05	3.16E-05	3.742E-05
1766 ALL	577713.57	4137299.21	4.81E-05	3.93E-05	4.813E-05	3.74E-05	3.16E-05	3.744E-05
1767 ALL	577715.25	4137290.18	4.84E-05	3.95E-05	4.837E-05	3.76E-05	3.18E-05	3.763E-05
1768 ALL	577716.92	4137281.14	4.88E-05	3.99E-05	4.882E-05	3.80E-05	3.21E-05	3.798E-05
1769 ALL	577718.6	4137272.11	4.95E-05	4.04E-05	4.949E-05	3.85E-05	3.25E-05	3.85E-05

1770 ALL	577803.08	4137643.89	2.78E-04	2.27E-04	0.0002782	2.16E-04	1.82E-04	0.0002164
1771 ALL	577810.98	4137648.87	2.73E-04	2.23E-04	0.0002734	2.13E-04	1.79E-04	0.0002127
1772 ALL	577818.88	4137653.84	2.67E-04	2.17E-04	0.0002668	2.08E-04	1.75E-04	0.0002076
1773 ALL	577826.78	4137658.82	2.59E-04	2.11E-04	0.0002589	2.01E-04	1.70E-04	0.0002014
1774 ALL	577834.68	4137663.8	2.50E-04	2.04E-04	0.0002498	1.94E-04	1.64E-04	0.0001943
1775 ALL	577842.58	4137668.77	2.40E-04	1.95E-04	0.0002398	1.87E-04	1.57E-04	0.0001865
1776 ALL	577787.64	4137652.75	2.60E-04	2.12E-04	0.0002603	2.03E-04	1.71E-04	0.0002025
1777 ALL	577782.44	4137645.35	2.66E-04	2.17E-04	0.000266	2.07E-04	1.74E-04	0.0002069
1778 ALL	577772.06	4137630.53	2.73E-04	2.22E-04	0.000273	2.12E-04	1.79E-04	0.0002123
1779 ALL	577766.86	4137623.12	2.74E-04	2.23E-04	0.0002739	2.13E-04	1.80E-04	0.0002131
1780 ALL	577756.48	4137608.3	2.70E-04	2.20E-04	0.0002705	2.10E-04	1.77E-04	0.0002104
1781 ALL	577746.09	4137593.48	2.60E-04	2.12E-04	0.0002601	2.02E-04	1.71E-04	0.0002023
1782 ALL	577740.89	4137586.08	2.52E-04	2.06E-04	0.0002524	1.96E-04	1.66E-04	0.0001963
1783 ALL	577730.51	4137571.26	2.33E-04	1.90E-04	0.0002327	1.81E-04	1.53E-04	0.000181
1784 ALL	577725.31	4137563.85	2.21E-04	1.80E-04	0.000221	1.72E-04	1.45E-04	0.0001719
1785 ALL	577699.34	4137526.8	1.57E-04	1.28E-04	0.0001566	1.22E-04	1.03E-04	0.0001218
1786 ALL	577688.96	4137511.99	1.33E-04	1.08E-04	0.0001325	1.03E-04	8.70E-05	0.0001031
1787 ALL	577683.76	4137504.58	1.22E-04	9.91E-05	0.0001215	9.45E-05	7.97E-05	9.453E-05
1788 ALL	577673.38	4137489.76	1.02E-04	8.29E-05	0.0001016	7.90E-05	6.67E-05	7.904E-05
1789 ALL	577668.18	4137482.35	9.27E-05	7.56E-05	9.268E-05	7.21E-05	6.08E-05	7.21E-05
1790 ALL	577664.64	4137466.05	8.04E-05	6.56E-05	8.036E-05	6.25E-05	5.28E-05	6.251E-05
1791 ALL	577667.93	4137448.25	7.22E-05	5.89E-05	7.217E-05	5.61E-05	4.74E-05	5.614E-05
1792 ALL	577669.58	4137439.36	6.84E-05	5.58E-05	6.836E-05	5.32E-05	4.49E-05	5.318E-05
1793 ALL	577672.88	4137421.56	6.16E-05	5.03E-05	6.158E-05	4.79E-05	4.04E-05	4.79E-05
1794 ALL	577676.17	4137403.77	5.59E-05	4.57E-05	5.591E-05	4.35E-05	3.67E-05	4.35E-05
1795 ALL	577677.82	4137394.87	5.36E-05	4.38E-05	5.361E-05	4.17E-05	3.52E-05	4.17E-05
1796 ALL	577681.12	4137377.08	4.98E-05	4.07E-05	0.0000498	3.87E-05	3.27E-05	3.874E-05
1797 ALL	577684.41	4137359.29	4.72E-05	3.86E-05	4.725E-05	3.68E-05	3.11E-05	3.675E-05
1798 ALL	577687.71	4137341.49	4.54E-05	3.71E-05	4.54E-05	3.53E-05	2.98E-05	3.531E-05
1799 ALL	577689.36	4137332.6	4.48E-05	3.66E-05	4.475E-05	3.48E-05	2.94E-05	3.481E-05
1800 ALL	577692.65	4137314.8	4.38E-05	3.58E-05	4.385E-05	3.41E-05	2.88E-05	3.411E-05
1801 ALL	577695.95	4137297.01	4.34E-05	3.55E-05	4.338E-05	3.37E-05	2.85E-05	3.375E-05
1802 ALL	577697.6	4137288.12	4.34E-05	3.54E-05	4.338E-05	3.37E-05	2.85E-05	3.374E-05
1803 ALL	577700.89	4137270.32	4.40E-05	3.60E-05	4.403E-05	3.43E-05	2.90E-05	3.425E-05
1804 ALL	577792.83	4137660.16	2.53E-04	2.06E-04	0.0002533	1.97E-04	1.66E-04	0.0001971
1805 ALL	577800.73	4137665.14	2.49E-04	2.03E-04	0.0002489	1.94E-04	1.63E-04	0.0001936
1806 ALL	577808.63	4137670.12	2.43E-04	1.98E-04	0.0002429	1.89E-04	1.59E-04	0.000189
1807 ALL	577816.53	4137675.09	2.36E-04	1.92E-04	0.0002358	1.83E-04	1.55E-04	0.0001834
1808 ALL	577824.43	4137680.07	2.28E-04	1.86E-04	0.0002277	1.77E-04	1.49E-04	0.0001771
1809 ALL	577832.33	4137685.04	2.19E-04	1.79E-04	0.0002191	1.70E-04	1.44E-04	0.0001704
1810 ALL	577777.26	4137668.84	2.38E-04	1.94E-04	0.0002385	1.85E-04	1.56E-04	0.0001855
1811 ALL	577771.94	4137661.25	2.44E-04	1.99E-04	0.0002438	1.90E-04	1.60E-04	0.0001897
1812 ALL	577766.61	4137653.66	2.48E-04	2.02E-04	0.000248	1.93E-04	1.63E-04	0.0001929
1813 ALL	577761.29	4137646.07	2.51E-04	2.04E-04	0.0002506	1.95E-04	1.64E-04	0.000195
1814 ALL	577755.97	4137638.47	2.52E-04	2.05E-04	0.0002517	1.96E-04	1.65E-04	0.0001958
1815 ALL	577750.65	4137630.88	2.51E-04	2.05E-04	0.0002513	1.96E-04	1.65E-04	0.0001955
1816 ALL	577745.32	4137623.29	2.49E-04	2.03E-04	0.0002494	1.94E-04	1.64E-04	0.000194
1817 ALL	577740	4137615.7	2.46E-04	2.01E-04	0.0002461	1.91E-04	1.61E-04	0.0001914
1818 ALL	577734.68	4137608.1	2.41E-04	1.97E-04	0.0002412	1.88E-04	1.58E-04	0.0001876
1819 ALL	577729.36	4137600.51	2.35E-04	1.91E-04	0.0002349	1.83E-04	1.54E-04	0.0001828
1820 ALL	577724.03	4137592.92	2.27E-04	1.85E-04	0.0002272	1.77E-04	1.49E-04	0.0001767
1821 ALL	577718.71	4137585.32	2.18E-04	1.78E-04	0.0002182	1.70E-04	1.43E-04	0.0001698
1822 ALL	577713.39	4137577.73	2.08E-04	1.70E-04	0.0002081	1.62E-04	1.36E-04	0.0001619
1823 ALL	577708.07	4137570.14	1.97E-04	1.61E-04	0.0001972	1.53E-04	1.29E-04	0.0001534
1824 ALL	577702.74	4137562.55	1.86E-04	1.51E-04	0.0001856	1.44E-04	1.22E-04	0.0001444
1825 ALL	577697.42	4137554.95	1.74E-04	1.42E-04	0.0001737	1.35E-04	1.14E-04	0.0001351
1826 ALL	577676.13	4137524.58	1.27E-04	1.04E-04	0.0001274	9.91E-05	8.36E-05	9.909E-05
1827 ALL	577670.81	4137516.99	1.17E-04	9.56E-05	0.0001173	9.13E-05	7.70E-05	9.126E-05
1828 ALL	577665.49	4137509.4	1.08E-04	8.79E-05	0.0001079	8.39E-05	7.08E-05	8.39E-05

1829 ALL	577660.16	4137501.81	9.89E-05	8.07E-05	9.894E-05	7.70E-05	6.49E-05	7.696E-05
1830 ALL	577654.84	4137494.21	9.05E-05	7.38E-05	9.053E-05	7.04E-05	5.94E-05	7.042E-05
1831 ALL	577649.52	4137486.62	8.27E-05	6.75E-05	8.271E-05	6.43E-05	5.43E-05	6.434E-05
1832 ALL	577645.89	4137469.91	7.19E-05	5.86E-05	7.19E-05	5.59E-05	4.72E-05	5.593E-05
1833 ALL	577647.57	4137460.8	6.83E-05	5.57E-05	6.826E-05	5.31E-05	4.48E-05	5.31E-05
1834 ALL	577649.26	4137451.68	6.47E-05	5.28E-05	6.475E-05	5.04E-05	4.25E-05	5.036E-05
1835 ALL	577650.95	4137442.56	6.14E-05	5.01E-05	6.142E-05	4.78E-05	4.03E-05	4.778E-05
1836 ALL	577652.64	4137433.44	5.83E-05	4.76E-05	5.835E-05	4.54E-05	3.83E-05	4.539E-05
1837 ALL	577654.33	4137424.33	5.56E-05	4.53E-05	5.556E-05	4.32E-05	3.65E-05	4.322E-05
1838 ALL	577656.02	4137415.21	5.30E-05	4.33E-05	5.3E-05	4.12E-05	3.48E-05	4.123E-05
1839 ALL	577657.71	4137406.09	5.07E-05	4.14E-05	0.0000507	3.94E-05	3.33E-05	3.944E-05
1840 ALL	577659.4	4137396.98	4.88E-05	3.99E-05	4.881E-05	3.80E-05	3.21E-05	3.797E-05
1841 ALL	577661.08	4137387.86	4.71E-05	3.85E-05	0.0000471	3.66E-05	3.10E-05	3.664E-05
1842 ALL	577662.77	4137378.74	4.56E-05	3.72E-05	4.558E-05	3.55E-05	3.00E-05	3.546E-05
1843 ALL	577664.46	4137369.62	4.44E-05	3.62E-05	4.435E-05	3.45E-05	2.92E-05	3.45E-05
1844 ALL	577666.15	4137360.51	4.33E-05	3.54E-05	4.332E-05	3.37E-05	2.85E-05	3.369E-05
1845 ALL	577667.84	4137351.39	4.24E-05	3.47E-05	4.241E-05	3.30E-05	2.79E-05	3.299E-05
1846 ALL	577669.53	4137342.27	4.16E-05	3.40E-05	4.164E-05	3.24E-05	2.74E-05	3.239E-05
1847 ALL	577671.22	4137333.15	4.10E-05	3.35E-05	4.096E-05	3.19E-05	2.69E-05	3.186E-05
1848 ALL	577672.91	4137324.04	4.03E-05	3.30E-05	4.034E-05	3.14E-05	2.65E-05	3.138E-05
1849 ALL	577674.6	4137314.92	3.98E-05	3.26E-05	3.983E-05	3.10E-05	2.62E-05	3.099E-05
1850 ALL	577676.28	4137305.8	3.95E-05	3.23E-05	3.948E-05	3.07E-05	2.60E-05	3.071E-05
1851 ALL	577677.97	4137296.69	3.93E-05	3.21E-05	3.927E-05	3.05E-05	2.58E-05	3.055E-05
1852 ALL	577679.66	4137287.57	3.92E-05	3.20E-05	3.92E-05	3.05E-05	2.58E-05	3.049E-05
1853 ALL	577681.35	4137278.45	3.93E-05	3.21E-05	3.927E-05	3.06E-05	2.58E-05	3.055E-05
1854 ALL	577683.04	4137269.33	3.95E-05	3.23E-05	3.951E-05	3.07E-05	2.60E-05	3.074E-05
1855 ALL	577684.73	4137260.22	3.99E-05	3.26E-05	3.993E-05	3.11E-05	2.63E-05	3.106E-05
1856 ALL	577686.42	4137251.1	4.05E-05	3.31E-05	4.051E-05	3.15E-05	2.66E-05	3.151E-05
1857 ALL	577782.58	4137676.44	2.32E-04	1.89E-04	0.000232	1.80E-04	1.52E-04	0.0001805
1858 ALL	577790.48	4137681.41	2.28E-04	1.86E-04	0.0002278	1.77E-04	1.49E-04	0.0001772
1859 ALL	577798.38	4137686.39	2.23E-04	1.81E-04	0.0002225	1.73E-04	1.46E-04	0.0001731
1860 ALL	577806.28	4137691.36	2.16E-04	1.76E-04	0.0002162	1.68E-04	1.42E-04	0.0001682
1861 ALL	577814.18	4137696.34	2.09E-04	1.70E-04	0.0002091	1.63E-04	1.37E-04	0.0001627
1862 ALL	577822.08	4137701.32	2.01E-04	1.64E-04	0.0002013	1.57E-04	1.32E-04	0.0001566
1863 ALL	577767.09	4137685.22	2.19E-04	1.79E-04	0.0002192	1.71E-04	1.44E-04	0.0001705
1864 ALL	577761.84	4137677.74	2.24E-04	1.83E-04	0.0002242	1.74E-04	1.47E-04	0.0001744
1865 ALL	577756.59	4137670.25	2.28E-04	1.86E-04	0.0002279	1.77E-04	1.49E-04	0.0001772
1866 ALL	577751.34	4137662.77	2.30E-04	1.88E-04	0.0002304	1.79E-04	1.51E-04	0.0001792
1867 ALL	577746.1	4137655.28	2.32E-04	1.89E-04	0.0002318	1.80E-04	1.52E-04	0.0001803
1868 ALL	577740.85	4137647.79	2.32E-04	1.89E-04	0.0002319	1.80E-04	1.52E-04	0.0001804
1869 ALL	577735.6	4137640.31	2.31E-04	1.88E-04	0.000231	1.80E-04	1.52E-04	0.0001797
1870 ALL	577730.35	4137632.82	2.29E-04	1.87E-04	0.0002291	1.78E-04	1.50E-04	0.0001782
1871 ALL	577725.11	4137625.34	2.26E-04	1.84E-04	0.000226	1.76E-04	1.48E-04	0.0001758
1872 ALL	577719.86	4137617.85	2.21E-04	1.80E-04	0.0002215	1.72E-04	1.45E-04	0.0001723
1873 ALL	577714.61	4137610.37	2.16E-04	1.76E-04	0.0002156	1.68E-04	1.41E-04	0.0001677
1874 ALL	577704.12	4137595.4	2.01E-04	1.64E-04	0.0002007	1.56E-04	1.32E-04	0.0001561
1875 ALL	577698.87	4137587.91	1.92E-04	1.56E-04	0.0001918	1.49E-04	1.26E-04	0.0001492
1876 ALL	577693.62	4137580.43	1.82E-04	1.48E-04	0.0001822	1.42E-04	1.19E-04	0.0001417
1877 ALL	577688.37	4137572.94	1.72E-04	1.40E-04	0.0001721	1.34E-04	1.13E-04	0.0001338
1878 ALL	577683.13	4137565.46	1.62E-04	1.32E-04	0.0001616	1.26E-04	1.06E-04	0.0001257
1879 ALL	577677.88	4137557.97	1.51E-04	1.23E-04	0.000151	1.17E-04	9.90E-05	0.0001174
1880 ALL	577672.63	4137550.48	1.41E-04	1.15E-04	0.0001406	1.09E-04	9.22E-05	0.0001094
1881 ALL	577656.89	4137528.03	1.12E-04	9.11E-05	0.0001118	8.70E-05	7.33E-05	8.695E-05
1882 ALL	577651.64	4137520.54	1.03E-04	8.42E-05	0.0001033	8.03E-05	6.78E-05	8.035E-05
1883 ALL	577646.39	4137513.06	9.53E-05	7.77E-05	9.525E-05	7.41E-05	6.25E-05	7.41E-05
1884 ALL	577641.15	4137505.57	8.77E-05	7.15E-05	8.77E-05	6.82E-05	5.76E-05	6.822E-05
1885 ALL	577635.9	4137498.09	8.07E-05	6.58E-05	8.072E-05	6.28E-05	5.30E-05	6.279E-05
1886 ALL	577630.65	4137490.6	7.42E-05	6.05E-05	7.416E-05	5.77E-05	4.87E-05	5.769E-05
1887 ALL	577627.07	4137474.13	6.49E-05	5.29E-05	6.491E-05	5.05E-05	4.26E-05	5.049E-05

1888 ALL	577628.73	4137465.14	6.18E-05	5.04E-05	6.18E-05	4.81E-05	4.06E-05	4.808E-05
1889 ALL	577630.4	4137456.15	5.88E-05	4.80E-05	5.884E-05	4.58E-05	3.86E-05	4.577E-05
1890 ALL	577632.06	4137447.16	5.60E-05	4.57E-05	5.601E-05	4.36E-05	3.68E-05	4.357E-05
1891 ALL	577633.73	4137438.17	5.34E-05	4.35E-05	5.335E-05	4.15E-05	3.50E-05	4.15E-05
1892 ALL	577635.39	4137429.18	5.10E-05	4.16E-05	5.099E-05	3.97E-05	3.35E-05	3.966E-05
1893 ALL	577637.06	4137420.2	4.88E-05	3.99E-05	4.882E-05	3.80E-05	3.21E-05	3.798E-05
1894 ALL	577638.72	4137411.21	4.68E-05	3.82E-05	4.682E-05	3.64E-05	3.08E-05	3.642E-05
1895 ALL	577640.39	4137402.22	4.51E-05	3.69E-05	4.513E-05	3.51E-05	2.97E-05	3.511E-05
1896 ALL	577642.05	4137393.23	4.37E-05	3.57E-05	4.371E-05	3.40E-05	2.87E-05	3.4E-05
1897 ALL	577643.72	4137384.24	4.24E-05	3.47E-05	4.245E-05	3.30E-05	2.79E-05	3.302E-05
1898 ALL	577645.38	4137375.25	4.13E-05	3.37E-05	4.131E-05	3.21E-05	2.72E-05	3.213E-05
1899 ALL	577647.05	4137366.26	4.03E-05	3.29E-05	4.029E-05	3.13E-05	2.65E-05	3.134E-05
1900 ALL	577648.71	4137357.28	3.94E-05	3.22E-05	3.94E-05	3.06E-05	2.59E-05	3.065E-05
1901 ALL	577650.38	4137348.29	3.86E-05	3.15E-05	3.856E-05	3.00E-05	2.54E-05	2.999E-05
1902 ALL	577652.04	4137339.3	3.78E-05	3.09E-05	3.783E-05	2.94E-05	2.49E-05	2.943E-05
1903 ALL	577653.71	4137330.31	3.72E-05	3.04E-05	3.721E-05	2.89E-05	2.45E-05	2.894E-05
1904 ALL	577655.38	4137321.32	3.67E-05	3.00E-05	3.669E-05	2.85E-05	2.41E-05	2.854E-05
1905 ALL	577657.04	4137312.33	3.63E-05	2.96E-05	3.625E-05	2.82E-05	2.38E-05	2.82E-05
1906 ALL	577658.71	4137303.34	3.59E-05	2.93E-05	3.591E-05	2.79E-05	2.36E-05	2.794E-05
1907 ALL	577660.37	4137294.36	3.57E-05	2.92E-05	3.568E-05	2.78E-05	2.35E-05	2.776E-05
1908 ALL	577662.04	4137285.37	3.56E-05	2.91E-05	3.556E-05	2.77E-05	2.34E-05	2.766E-05
1909 ALL	577665.37	4137267.39	3.57E-05	2.91E-05	3.566E-05	2.77E-05	2.35E-05	2.774E-05
1910 ALL	577667.03	4137258.4	3.59E-05	2.93E-05	3.588E-05	2.79E-05	2.36E-05	2.791E-05
1911 ALL	577668.7	4137249.41	3.61E-05	2.95E-05	3.614E-05	2.81E-05	2.37E-05	2.811E-05
1912 ALL	577670.36	4137240.43	3.51E-05	2.86E-05	3.506E-05	2.73E-05	2.30E-05	2.728E-05
1913 ALL	577772.33	4137692.71	2.13E-04	1.74E-04	0.0002134	1.66E-04	1.40E-04	0.000166
1914 ALL	577780.23	4137697.68	2.10E-04	1.71E-04	0.0002096	1.63E-04	1.37E-04	0.000163
1915 ALL	577788.13	4137702.66	2.05E-04	1.67E-04	0.0002048	1.59E-04	1.34E-04	0.0001593
1916 ALL	577796.03	4137707.64	1.99E-04	1.62E-04	0.0001992	1.55E-04	1.31E-04	0.000155
1917 ALL	577803.93	4137712.61	1.93E-04	1.57E-04	0.0001929	1.50E-04	1.27E-04	0.0001501
1918 ALL	577811.83	4137717.59	1.86E-04	1.52E-04	0.0001861	1.45E-04	1.22E-04	0.0001447
1919 ALL	577756.9	4137701.59	2.02E-04	1.65E-04	0.0002022	1.57E-04	1.33E-04	0.0001573
1920 ALL	577746.54	4137686.8	2.10E-04	1.71E-04	0.0002102	1.63E-04	1.38E-04	0.0001635
1921 ALL	577736.17	4137672.02	2.14E-04	1.75E-04	0.0002143	1.67E-04	1.41E-04	0.0001667
1922 ALL	577730.99	4137664.62	2.15E-04	1.75E-04	0.000215	1.67E-04	1.41E-04	0.0001673
1923 ALL	577720.62	4137649.84	2.14E-04	1.74E-04	0.0002141	1.67E-04	1.40E-04	0.0001665
1924 ALL	577710.26	4137635.05	2.09E-04	1.70E-04	0.0002088	1.62E-04	1.37E-04	0.0001624
1925 ALL	577699.9	4137620.27	1.99E-04	1.62E-04	0.0001989	1.55E-04	1.30E-04	0.0001547
1926 ALL	577689.53	4137605.48	1.85E-04	1.51E-04	0.0001852	1.44E-04	1.21E-04	0.0001441
1927 ALL	577684.35	4137598.09	1.77E-04	1.45E-04	0.0001774	1.38E-04	1.16E-04	0.000138
1928 ALL	577673.98	4137583.31	1.60E-04	1.31E-04	0.0001601	1.25E-04	1.05E-04	0.0001246
1929 ALL	577663.62	4137568.52	1.42E-04	1.16E-04	0.0001418	1.10E-04	9.30E-05	0.0001103
1930 ALL	577653.25	4137553.74	1.24E-04	1.01E-04	0.0001238	9.63E-05	8.12E-05	9.631E-05
1931 ALL	577627.34	4137516.77	8.50E-05	6.93E-05	8.498E-05	6.61E-05	5.58E-05	6.611E-05
1932 ALL	577616.98	4137501.99	7.26E-05	5.92E-05	7.259E-05	5.65E-05	4.76E-05	5.647E-05
1933 ALL	577611.8	4137494.6	6.70E-05	5.47E-05	6.701E-05	5.21E-05	4.40E-05	5.212E-05
1934 ALL	577608.26	4137478.33	5.90E-05	4.81E-05	5.899E-05	4.59E-05	3.87E-05	4.589E-05
1935 ALL	577611.55	4137460.57	5.37E-05	4.38E-05	5.371E-05	4.18E-05	3.53E-05	4.178E-05
1936 ALL	577614.83	4137442.82	4.91E-05	4.00E-05	4.906E-05	3.82E-05	3.22E-05	3.816E-05
1937 ALL	577618.12	4137425.06	4.52E-05	3.69E-05	4.522E-05	3.52E-05	2.97E-05	3.517E-05
1938 ALL	577621.41	4137407.31	4.20E-05	3.43E-05	4.201E-05	3.27E-05	2.76E-05	3.268E-05
1939 ALL	577624.7	4137389.55	3.95E-05	3.22E-05	3.946E-05	3.07E-05	2.59E-05	3.069E-05
1940 ALL	577627.99	4137371.8	3.74E-05	3.06E-05	3.745E-05	2.91E-05	2.46E-05	2.913E-05
1941 ALL	577631.28	4137354.05	3.58E-05	2.92E-05	0.0000358	2.78E-05	2.35E-05	2.785E-05
1942 ALL	577634.57	4137336.29	3.45E-05	2.82E-05	3.45E-05	2.68E-05	2.27E-05	2.684E-05
1943 ALL	577637.86	4137318.54	3.35E-05	2.74E-05	3.355E-05	2.61E-05	2.21E-05	2.609E-05
1944 ALL	577641.14	4137300.78	3.28E-05	2.68E-05	3.278E-05	2.55E-05	2.16E-05	2.55E-05
1945 ALL	577644.43	4137283.03	3.08E-05	2.51E-05	3.077E-05	2.39E-05	2.02E-05	2.394E-05
1946 ALL	577647.72	4137265.28	3.03E-05	2.47E-05	3.029E-05	2.36E-05	1.99E-05	2.356E-05

1947 ALL	577651.01	4137247.52	2.98E-05	2.43E-05	2.978E-05	2.32E-05	1.96E-05	2.316E-05
1948 ALL	577762.08	4137708.98	1.97E-04	1.61E-04	0.0001971	1.53E-04	1.29E-04	0.0001533
1949 ALL	577769.98	4137713.95	1.94E-04	1.58E-04	0.0001936	1.51E-04	1.27E-04	0.0001506
1950 ALL	577777.88	4137718.93	1.89E-04	1.54E-04	0.0001893	1.47E-04	1.24E-04	0.0001472
1951 ALL	577785.78	4137723.91	1.84E-04	1.50E-04	0.0001843	1.43E-04	1.21E-04	0.0001433
1952 ALL	577793.68	4137728.88	1.79E-04	1.46E-04	0.0001787	1.39E-04	1.17E-04	0.000139
1953 ALL	577801.58	4137733.86	1.73E-04	1.41E-04	0.0001726	1.34E-04	1.13E-04	0.0001343
1954 ALL	578007.4	4137449.11	1.24E-03	1.01E-03	0.0012357	9.61E-04	8.11E-04	0.0009612
1955 ALL	578014.86	4137453.43	9.87E-04	8.05E-04	0.000987	7.68E-04	6.48E-04	0.0007678
1956 ALL	578023.89	4137456.18	8.22E-04	6.71E-04	0.0008224	6.40E-04	5.40E-04	0.0006397
1957 ALL	578089.86	4137414.17	9.96E-04	8.11E-04	0.0009957	7.75E-04	6.53E-04	0.0007745
1958 ALL	578096.54	4137405.92	1.05E-03	8.55E-04	0.0010497	8.17E-04	6.88E-04	0.0008166
1959 ALL	578074.15	4137443.22	6.92E-04	5.64E-04	0.0006922	5.38E-04	4.54E-04	0.0005385
1960 ALL	578117.48	4137204.4	1.15E-03	9.38E-04	0.0011508	8.95E-04	7.55E-04	0.0008952
1961 ALL	578124.08	4137207.19	1.11E-03	9.06E-04	0.0011112	8.64E-04	7.29E-04	0.0008644
1962 ALL	578145.66	4137220.14	9.76E-04	7.96E-04	0.0009762	7.59E-04	6.40E-04	0.0007594
1963 ALL	578109.86	4137189.67	1.10E-03	8.97E-04	0.0011006	8.56E-04	7.22E-04	0.0008562

X	Y	CONSTR	TRK_N	TRK_S	MAX		Updated MAX	Year 1		Year 2	
					0.026452	0.021392		0.020689	0.017271	Year 1	Year 2
AVERAGE CONC					PM 2.5	PM 2.5	PM 2.5	PM 2.5	PM 2.5	PM 2.5	
578053	4137357	173.26803	139.8603	178.5395	0.023576	0.01909	0.018417	0.015401			
578010	4137441	56.36632	125.2897	42.54788	0.007732	0.006246	0.006053	0.005046			
578015.2	4137433	67.66644	141.9273	46.5812	0.009268	0.00749	0.007253	0.006049			
578020.3	4137425	79.29586	154.2599	51.04613	0.010845	0.008768	0.008484	0.00708			
578025.4	4137417	89.81412	161.8837	56.10943	0.012268	0.009922	0.009594	0.008011			
578030.6	4137409	98.8289	165.0687	62.09501	0.013487	0.010911	0.010544	0.008807			
578035.7	4137401	106.34364	163.7279	69.51778	0.014501	0.011735	0.011335	0.009471			
578040.8	4137394	112.50962	157.8432	78.96056	0.015333	0.01241	0.011983	0.010015			
578046	4137386	117.44292	147.6566	90.49482	0.015998	0.012949	0.012501	0.010449			
578051.1	4137378	121.32916	134.8402	103.0817	0.01652	0.013374	0.012908	0.010791			
578056.3	4137370	124.20276	121.5711	114.7126	0.016906	0.013688	0.013208	0.011044			
578061.4	4137362	126.23817	109.4924	124.199	0.017177	0.013909	0.013419	0.011222			
577987.1	4137466	44.79275	89.36637	33.55023	0.006134	0.004957	0.0048	0.004004			
578018.4	4137446	41.98372	88.89141	34.90474	0.005758	0.004652	0.004508	0.003758			
578023.5	4137438	49.27424	99.89529	37.61822	0.00675	0.005455	0.005283	0.004406			
578028.7	4137430	57.32753	108.9468	40.63372	0.007842	0.00634	0.006135	0.005119			
578033.8	4137423	65.12346	115.2506	44.12079	0.008897	0.007196	0.006958	0.005809			
578038.9	4137415	72.13477	118.5279	48.2864	0.009845	0.007965	0.007698	0.006429			
578044.1	4137407	78.16963	118.7048	53.37705	0.01066	0.008626	0.008333	0.006962			
578049.2	4137399	83.41406	116.0972	59.76567	0.011368	0.009201	0.008885	0.007425			
578054.4	4137391	87.8041	110.7006	67.38305	0.01196	0.009681	0.009346	0.007812			
578059.5	4137383	91.51572	103.3819	75.82489	0.01246	0.010087	0.009736	0.008139			
578064.6	4137375	94.60387	95.31966	84.14306	0.012876	0.010425	0.010059	0.008411			
578069.8	4137367	97.08098	87.53081	91.46638	0.013209	0.010696	0.010318	0.008629			
578002.9	4137472	29.29909	56.89827	26.88235	0.004016	0.003245	0.003144	0.002621			
577989.2	4137475	35.10844	65.91247	28.44486	0.004806	0.003885	0.003761	0.003137			
577974.3	4137473	47.48865	90.81868	31.977	0.006495	0.005251	0.005081	0.00424			
578026.8	4137452	32.62828	66.58537	28.94606	0.004475	0.003615	0.003503	0.00292			
578031.9	4137444	37.69818	74.19769	30.89526	0.005164	0.004173	0.004042	0.003371			
578037	4137436	43.57516	81.0798	33.13407	0.005962	0.004819	0.004664	0.003892			
578042.2	4137428	49.56436	86.25214	35.72913	0.006773	0.005477	0.005297	0.004422			
578047.3	4137420	55.16775	89.29154	38.79952	0.00753	0.006092	0.005888	0.004917			
578052.5	4137412	60.187	90.1521	42.50867	0.008208	0.006642	0.006416	0.005361			
578057.6	4137404	64.61501	88.9984	47.02171	0.008806	0.007127	0.006882	0.005752			
578062.7	4137397	68.5134	86.05438	52.37977	0.009332	0.007554	0.007292	0.006096			
578067.9	4137389	72.0668	81.91347	58.5016	0.009811	0.007943	0.007666	0.006409			
578073	4137381	75.06367	76.86274	64.67336	0.010215	0.008271	0.00798	0.006673			
578078.1	4137373	77.36968	71.52707	70.17238	0.010525	0.008523	0.008222	0.006876			
578011.3	4137478	23.3653	44.72212	23.09978	0.003204	0.002588	0.002508	0.002091			
577991.3	4137485	28.30463	50.66844	24.36142	0.003874	0.003131	0.003031	0.002529			
577976.4	4137483	37.52917	67.47779	27.49219	0.005131	0.004149	0.004013	0.00335			
578015.9	4137486	19.3065	36.05001	19.94105	0.002648	0.002139	0.002073	0.001728			
578008.4	4137491	19.82454	35.70845	19.84958	0.002717	0.002195	0.002126	0.001773			
577992	4137495	23.95681	41.26043	21.35	0.003278	0.00265	0.002565	0.00214			
577983	4137493	28.09307	48.21213	23.01045	0.003841	0.003106	0.003005	0.002508			
577974.1	4137492	32.72749	56.21765	24.57733	0.004472	0.003617	0.003498	0.00292			
577965.1	4137490	37.51447	64.48393	25.98278	0.005124	0.004144	0.004007	0.003346			
577994.4	4137505	20.04218	33.51955	18.63124	0.002742	0.002217	0.002145	0.00179			
577976.9	4137502	26.64191	44.07889	21.37008	0.003641	0.002944	0.002847	0.002377			
577959.5	4137498	34.05439	55.94334	23.74985	0.004649	0.003761	0.003635	0.003036			
578048	4137486	13.79766	26.32782	15.12252	0.001894	0.001529	0.001483	0.001236			
577996.7	4137514	17.0584	27.86589	16.41187	0.002334	0.001887	0.001826	0.001524			
577979.6	4137511	22.17804	35.65503	18.75522	0.003031	0.002451	0.00237	0.001979			
577962.6	4137508	28.12333	44.76633	20.90377	0.003839	0.003106	0.003002	0.002507			
578060.3	4137474	15.66778	29.10966	15.8568	0.002148	0.001735	0.001682	0.001402			
578065.4	4137466	17.53771	31.52705	16.71151	0.002402	0.001941	0.00188	0.001568			
578070.5	4137458	19.74733	33.93541	17.6885	0.002702	0.002184	0.002114	0.001764			
578075.7	4137450	22.21718	36.16126	18.80923	0.003037	0.002456	0.002375	0.001983			



578080.8	4137442	24.82922	38.02088	20.09253	0.00339	0.002742	0.002651	0.002214
578086	4137434	27.4702	39.3713	21.56034	0.003747	0.003032	0.002929	0.002447
578091.1	4137426	30.03883	40.13035	23.22948	0.004094	0.003314	0.0032	0.002674
578096.2	4137418	32.48126	40.30195	25.11778	0.004424	0.003581	0.003457	0.00289
578101.4	4137411	34.70534	39.8809	27.16491	0.004724	0.003825	0.003691	0.003086
578106.5	4137403	36.64915	38.94223	29.28387	0.004986	0.004038	0.003895	0.003257
578111.6	4137395	38.23009	37.58781	31.32961	0.005199	0.004211	0.004061	0.003397
578056.5	4137492	12.02676	22.65366	13.40886	0.001651	0.001333	0.001293	0.001077
578042.4	4137501	11.79219	21.96948	13.48666	0.001619	0.001307	0.001267	0.001056
578028.4	4137511	12.0832	21.47765	13.59656	0.001657	0.001339	0.001297	0.001082
577982.2	4137521	18.77233	29.49616	16.58137	0.002565	0.002075	0.002007	0.001675
577965.4	4137518	23.5594	36.5478	18.49294	0.003217	0.002602	0.002515	0.0021
577948.6	4137515	28.32585	43.15263	20.11538	0.003864	0.003126	0.003021	0.002523
578068.6	4137479	13.64215	24.87016	14.07216	0.00187	0.001511	0.001464	0.001221
578073.8	4137471	15.19455	26.78811	14.80335	0.002081	0.001682	0.001629	0.001358
578078.9	4137463	17.02052	28.71743	15.63034	0.002329	0.001883	0.001822	0.00152
578084.1	4137455	19.06146	30.53019	16.56425	0.002605	0.002107	0.002038	0.001701
578089.2	4137448	21.25153	32.11495	17.62874	0.002902	0.002347	0.002269	0.001895
578094.3	4137440	23.50558	33.36155	18.84147	0.003207	0.002594	0.002507	0.002094
578099.5	4137432	25.75128	34.19354	20.22023	0.00351	0.002841	0.002743	0.002292
578104.6	4137424	27.89448	34.54255	21.74506	0.003799	0.003076	0.002969	0.002482
578109.7	4137416	29.87923	34.41928	23.39492	0.004067	0.003293	0.003178	0.002657
578114.9	4137408	31.64188	33.86681	25.10943	0.004305	0.003486	0.003363	0.002812
578120	4137400	33.10155	32.93292	26.77546	0.004502	0.003646	0.003516	0.002941
578064.9	4137497	10.61465	19.73073	12.00297	0.001457	0.001177	0.001141	0.000951
578051.1	4137507	10.32543	19.17326	12.03342	0.001417	0.001145	0.00111	0.000925
578037.2	4137516	10.4669	18.73605	12.12513	0.001436	0.00116	0.001124	0.000937
578023.3	4137526	10.91212	18.47674	12.20407	0.001496	0.001208	0.001171	0.000976
577968	4137528	20.00635	30.39351	16.45306	0.002732	0.00221	0.002136	0.001784
577951.4	4137525	24.06811	35.94859	17.966	0.003283	0.002657	0.002567	0.002144
578077	4137484	12.03387	21.54943	12.61339	0.00165	0.001333	0.001291	0.001077
578082.1	4137477	13.33988	23.09342	13.24022	0.001827	0.001476	0.00143	0.001192
578087.3	4137469	14.85832	24.64059	13.93402	0.002033	0.001643	0.00159	0.001327
578092.4	4137461	16.57332	26.14472	14.72415	0.002265	0.001832	0.001772	0.001479
578097.6	4137453	18.43333	27.51418	15.6255	0.002517	0.002036	0.001968	0.001644
578102.7	4137445	20.36995	28.64319	16.643	0.002779	0.002248	0.002172	0.001815
578107.8	4137437	22.30786	29.4478	17.77726	0.003041	0.002461	0.002377	0.001986
578113	4137429	24.18995	29.8904	19.02951	0.003295	0.002667	0.002575	0.002152
578118.1	4137421	25.95363	29.95943	20.37764	0.003533	0.00286	0.00276	0.002308
578123.3	4137414	27.54919	29.67521	21.78509	0.003748	0.003035	0.002928	0.002449
578128.4	4137406	28.89286	29.05633	23.15801	0.003929	0.003182	0.003069	0.002567
578133.5	4137398	29.96374	28.19695	24.4425	0.004074	0.003299	0.003181	0.002661
578080.5	4137508	8.59144	15.59741	9.94898	0.001179	0.000952	0.000923	0.000769
578073.1	4137513	8.37345	15.35994	9.91448	0.001149	0.000928	0.0009	0.00075
578058.2	4137523	8.21339	14.94687	9.90578	0.001128	0.000911	0.000883	0.000736
578043.3	4137534	8.37506	14.64796	9.97078	0.001149	0.000928	0.0009	0.00075
578088	4137503	8.90009	15.84533	10.00096	0.001221	0.000986	0.000956	0.000797
578093.1	4137495	9.7181	16.86361	10.43729	0.001332	0.001076	0.001043	0.000869
578098.3	4137487	10.68711	17.92563	10.90907	0.001463	0.001183	0.001145	0.000955
578103.4	4137479	11.81157	19.017	11.43282	0.001616	0.001306	0.001264	0.001055
578108.5	4137471	13.07283	20.09133	12.01659	0.001787	0.001445	0.001397	0.001167
578113.7	4137464	14.44865	21.10376	12.67379	0.001973	0.001596	0.001543	0.001288
578118.8	4137456	15.90082	21.99141	13.40897	0.002169	0.001755	0.001696	0.001417
578123.9	4137448	17.3767	22.6912	14.21773	0.002369	0.001917	0.001851	0.001547
578129.1	4137440	18.82837	23.16053	15.09274	0.002565	0.002076	0.002004	0.001675
578134.2	4137432	20.2146	23.38988	16.02661	0.002752	0.002228	0.00215	0.001798
578139.4	4137424	21.50422	23.39022	17.00617	0.002926	0.002369	0.002286	0.001912
578144.5	4137416	22.64994	23.17121	17.99135	0.003081	0.002495	0.002406	0.002013
578149.6	4137408	23.62084	22.76464	18.94324	0.003211	0.002601	0.002508	0.002098
578096.9	4137518	7.16338	12.68591	8.42344	0.000983	0.000794	0.00077	0.000641

578082.5	4137528	6.82679	12.36107	8.35331	0.000937	0.000757	0.000734	0.000612
578039.3	4137558	7.08058	11.74421	8.42249	0.000971	0.000784	0.00076	0.000634
578024.9	4137568	7.4423	11.72806	8.50366	0.001019	0.000824	0.000798	0.000665
578009.1	4137571	8.38958	12.69294	9.05993	0.001148	0.000928	0.000898	0.000749
577991.9	4137568	10.14793	14.92938	10.15439	0.001387	0.001122	0.001085	0.000906
577974.6	4137565	12.23779	17.621	11.26452	0.001671	0.001352	0.001307	0.001091
577957.4	4137562	14.53653	20.52416	12.33164	0.001984	0.001605	0.001551	0.001295
577940.2	4137559	16.86986	23.31276	13.31347	0.0023	0.001862	0.001798	0.001502
577922.9	4137556	19.01863	25.6384	14.16085	0.002592	0.002098	0.002026	0.001693
578109.2	4137506	8.04853	13.57794	8.79753	0.001103	0.000891	0.000863	0.00072
578114.4	4137498	8.79271	14.34443	9.15911	0.001204	0.000973	0.000942	0.000786
578119.5	4137490	9.6533	15.1456	9.56281	0.00132	0.001068	0.001033	0.000862
578124.6	4137482	10.61705	15.94745	10.0112	0.001451	0.001173	0.001135	0.000947
578129.8	4137474	11.66131	16.70438	10.50246	0.001592	0.001288	0.001245	0.00104
578134.9	4137466	12.75975	17.37901	11.0393	0.001741	0.001408	0.001361	0.001137
578140.1	4137458	13.8943	17.9533	11.63243	0.001894	0.001533	0.00148	0.001237
578145.2	4137450	15.03392	18.39764	12.27806	0.002048	0.001658	0.001601	0.001338
578150.3	4137443	16.14461	18.69366	12.96725	0.002198	0.00178	0.001717	0.001436
578155.5	4137435	17.19698	18.83361	13.68732	0.00234	0.001895	0.001828	0.001529
578160.6	4137427	18.16233	18.82409	14.42016	0.00247	0.002001	0.00193	0.001614
578165.7	4137419	19.01915	18.67953	15.14518	0.002586	0.002094	0.00202	0.00169
578105.1	4137534	5.88839	10.38153	7.19498	0.000808	0.000653	0.000633	0.000527
578067.2	4137560	5.66089	9.87524	7.11099	0.000777	0.000628	0.000609	0.000507
578059.6	4137566	5.72869	9.80401	7.12393	0.000786	0.000635	0.000616	0.000513
578052.1	4137571	5.82338	9.74359	7.14586	0.000799	0.000645	0.000625	0.000521
578044.5	4137576	5.94286	9.70305	7.17741	0.000815	0.000658	0.000638	0.000532
578036.9	4137581	6.08402	9.68649	7.21535	0.000834	0.000674	0.000653	0.000544
578029.4	4137587	6.24234	9.69539	7.25488	0.000855	0.000691	0.000669	0.000558
578012.8	4137590	7.00423	10.44027	7.72611	0.000958	0.000775	0.00075	0.000626
578003.7	4137589	7.67562	11.26191	8.18656	0.00105	0.000849	0.000821	0.000685
577994.6	4137587	8.42	12.18384	8.65967	0.001151	0.000931	0.0009	0.000752
577985.6	4137585	9.22815	13.19015	9.1346	0.001261	0.00102	0.000986	0.000823
577976.5	4137584	10.09773	14.27415	9.61125	0.001379	0.001116	0.001079	0.000901
577967.5	4137582	11.00705	15.39688	10.0773	0.001503	0.001216	0.001175	0.000981
577958.4	4137581	11.94086	16.52742	10.52758	0.00163	0.001318	0.001274	0.001064
577949.4	4137579	12.89314	17.6533	10.9664	0.001759	0.001423	0.001375	0.001149
577940.3	4137577	13.85131	18.75252	11.39196	0.001889	0.001529	0.001477	0.001234
577931.2	4137576	14.81262	19.8214	11.80955	0.002019	0.001634	0.001578	0.001319
577922.2	4137574	15.72348	20.781	12.19175	0.002143	0.001734	0.001675	0.0014
577913.1	4137573	16.55057	21.58666	12.52659	0.002255	0.001825	0.001762	0.001473
578099.5	4137560	4.80392	8.50873	6.17634	0.00066	0.000533	0.000517	0.00043
578084.8	4137570	4.77601	8.37666	6.14608	0.000656	0.00053	0.000514	0.000428
578070.1	4137580	4.84607	8.26641	6.14351	0.000665	0.000537	0.000521	0.000434
578062.7	4137585	4.90853	8.21477	6.1513	0.000673	0.000544	0.000527	0.000439
578048	4137595	5.09166	8.1603	6.20141	0.000698	0.000564	0.000546	0.000456
578040.6	4137600	5.20037	8.14606	6.22953	0.000713	0.000576	0.000558	0.000465
578017.1	4137609	5.89528	8.69063	6.63083	0.000807	0.000652	0.000631	0.000527
577999.5	4137606	6.95255	9.95424	7.36912	0.000951	0.000769	0.000744	0.000621
577981.9	4137603	8.20181	11.47071	8.13472	0.00112	0.000906	0.000876	0.000732
577964.3	4137600	9.59414	13.14722	8.89195	0.00131	0.001059	0.001024	0.000855
577946.7	4137597	11.05743	14.84509	9.61393	0.001508	0.00122	0.001179	0.000985
577929.1	4137594	12.55655	16.49588	10.30935	0.001712	0.001385	0.001338	0.001118
577911.4	4137591	13.97503	17.93494	10.93152	0.001904	0.001541	0.001488	0.001244
578151.7	4137511	6.88581	10.36198	7.03374	0.000942	0.000761	0.000737	0.000615
578156.8	4137503	7.48504	10.82863	7.30928	0.001023	0.000827	0.0008	0.000668
578162	4137495	8.1344	11.28371	7.61069	0.001111	0.000898	0.000868	0.000725
578167.1	4137487	8.82198	11.71106	7.93881	0.001204	0.000974	0.000941	0.000786
578172.3	4137479	9.53715	12.09855	8.29545	0.0013	0.001052	0.001016	0.000849
578177.4	4137471	10.26332	12.4317	8.67794	0.001398	0.001132	0.001093	0.000913
578182.5	4137464	10.98612	12.70207	9.08358	0.001496	0.001211	0.001169	0.000977

578187.7	4137456	11.68953	12.9016	9.50612	0.001591	0.001288	0.001243	0.001039
578192.8	4137448	12.35524	13.02563	9.93551	0.001681	0.001361	0.001313	0.001098
578129.5	4137561	4.32082	7.46074	5.48485	0.000593	0.000479	0.000464	0.000387
578121.8	4137566	4.2314	7.38408	5.46002	0.000581	0.000469	0.000455	0.000379
578114.2	4137571	4.16872	7.31447	5.4356	0.000573	0.000462	0.000448	0.000374
578106.5	4137577	4.13238	7.25399	5.41408	0.000568	0.000458	0.000445	0.00037
578098.9	4137582	4.11989	7.20084	5.3963	0.000566	0.000457	0.000443	0.000369
578091.2	4137587	4.12739	7.15116	5.38212	0.000567	0.000458	0.000444	0.00037
578083.6	4137592	4.15402	7.10707	5.37493	0.00057	0.000461	0.000447	0.000372
578075.9	4137598	4.19625	7.06569	5.37409	0.000576	0.000465	0.000451	0.000376
578068.3	4137603	4.25336	7.03011	5.38155	0.000584	0.000471	0.000457	0.000381
578060.6	4137608	4.32296	6.9997	5.39555	0.000593	0.000479	0.000464	0.000387
578053	4137614	4.40401	6.97798	5.41585	0.000604	0.000488	0.000473	0.000394
578045.3	4137619	4.49258	6.96204	5.43731	0.000616	0.000497	0.000482	0.000402
578037.7	4137624	4.59074	6.96025	5.46221	0.000629	0.000508	0.000492	0.00041
578020.9	4137628	5.06986	7.40231	5.78463	0.000694	0.000561	0.000543	0.000453
578011.7	4137626	5.48502	7.88359	6.09546	0.00075	0.000607	0.000587	0.00049
578002.6	4137625	5.94126	8.41819	6.41671	0.000812	0.000657	0.000635	0.00053
577993.4	4137623	6.43759	9.00515	6.74523	0.00088	0.000712	0.000688	0.000574
577984.3	4137621	6.96977	9.63722	7.07661	0.000952	0.00077	0.000745	0.000622
577975.1	4137620	7.53387	10.30629	7.40854	0.001029	0.000832	0.000805	0.000672
577966	4137618	8.12402	11.0006	7.73867	0.001109	0.000897	0.000867	0.000724
577956.8	4137617	8.7331	11.70658	8.06445	0.001192	0.000964	0.000932	0.000778
577947.7	4137615	9.35615	12.41301	8.38475	0.001276	0.001033	0.000998	0.000834
577938.5	4137613	9.98774	13.11016	8.69846	0.001362	0.001102	0.001065	0.00089
577929.3	4137612	10.62024	13.78742	9.00338	0.001448	0.001172	0.001132	0.000946
577920.2	4137610	11.2448	14.43223	9.29572	0.001533	0.00124	0.001198	0.001001
577911	4137608	11.85186	15.03372	9.57252	0.001615	0.001307	0.001262	0.001055
577901.9	4137607	12.43663	15.58786	9.83424	0.001694	0.001371	0.001324	0.001107
577892.7	4137605	12.97224	16.06107	10.06746	0.001767	0.00143	0.001381	0.001154
578157.5	4137537	5.11169	8.08058	5.74795	0.0007	0.000566	0.000548	0.000457
578162.7	4137529	5.50999	8.43956	5.93952	0.000754	0.00061	0.00059	0.000492
578167.8	4137521	5.956	8.80915	6.14723	0.000814	0.000659	0.000637	0.000532
578173	4137513	6.44514	9.18013	6.37243	0.000881	0.000712	0.000689	0.000575
578178.1	4137506	6.97356	9.54481	6.61778	0.000952	0.00077	0.000745	0.000622
578183.2	4137498	7.53282	9.89245	6.88379	0.001028	0.000832	0.000803	0.000671
578188.4	4137490	8.11519	10.21382	7.17109	0.001106	0.000895	0.000865	0.000723
578193.5	4137482	8.70871	10.49886	7.47768	0.001187	0.00096	0.000927	0.000775
578198.6	4137474	9.30345	10.74128	7.80191	0.001267	0.001026	0.00099	0.000828
578203.8	4137466	9.88571	10.93378	8.13812	0.001346	0.001089	0.001051	0.000879
578208.9	4137458	10.44425	11.07322	8.48076	0.001421	0.001151	0.00111	0.000928
578161	4137561	4.06186	6.64793	4.91836	0.000557	0.00045	0.000436	0.000363
578153.6	4137566	3.93353	6.57327	4.89618	0.00054	0.000436	0.000422	0.000352
578138.6	4137576	3.74068	6.43813	4.85419	0.000514	0.000415	0.000402	0.000335
578131.2	4137581	3.67667	6.38104	4.83461	0.000505	0.000408	0.000395	0.000329
578123.7	4137586	3.63272	6.33034	4.81548	0.000499	0.000403	0.000391	0.000326
578116.2	4137591	3.60756	6.2858	4.79751	0.000496	0.0004	0.000388	0.000323
578108.8	4137597	3.59892	6.2459	4.78112	0.000494	0.000399	0.000387	0.000323
578101.3	4137602	3.60504	6.20909	4.76703	0.000495	0.0004	0.000388	0.000323
578093.9	4137607	3.62432	6.17564	4.75707	0.000498	0.000402	0.00039	0.000325
578086.4	4137612	3.65516	6.14456	4.75198	0.000502	0.000405	0.000393	0.000327
578078.9	4137617	3.696	6.11539	4.75204	0.000507	0.00041	0.000397	0.000331
578071.5	4137622	3.74368	6.0842	4.75452	0.000514	0.000415	0.000402	0.000335
578064	4137628	3.79954	6.05767	4.76268	0.000521	0.000421	0.000408	0.00034
578056.5	4137633	3.86439	6.03946	4.77728	0.00053	0.000428	0.000415	0.000346
578041.6	4137643	4.01679	6.0317	4.81923	0.00055	0.000445	0.000431	0.000359
578025.2	4137647	4.39673	6.37568	5.08382	0.000602	0.000486	0.000471	0.000393
578016.3	4137645	4.72142	6.74441	5.33594	0.000646	0.000522	0.000505	0.000422
578007.3	4137643	5.07739	7.15255	5.59789	0.000694	0.000561	0.000543	0.000453
577998.4	4137642	5.46388	7.59989	5.8671	0.000747	0.000604	0.000584	0.000488

577989.5	4137640	5.87659	8.08032	6.13897	0.000803	0.000649	0.000628	0.000524
577980.5	4137639	6.31521	8.59214	6.41342	0.000863	0.000698	0.000675	0.000563
577971.6	4137637	6.77477	9.12639	6.68731	0.000925	0.000748	0.000723	0.000604
577962.7	4137636	7.2508	9.67413	6.95881	0.00099	0.000801	0.000774	0.000646
577953.7	4137634	7.7408	10.22916	7.22784	0.001056	0.000855	0.000826	0.00069
577944.8	4137632	8.24173	10.78491	7.49387	0.001124	0.00091	0.000879	0.000734
577935.9	4137631	8.74675	11.33053	7.75365	0.001193	0.000965	0.000933	0.000779
577926.9	4137629	9.25571	11.86513	8.00857	0.001262	0.001021	0.000986	0.000824
577918	4137628	9.75988	12.37691	8.25381	0.00133	0.001077	0.00104	0.000869
577909.1	4137626	10.25962	12.86832	8.49195	0.001398	0.001132	0.001093	0.000913
577900.1	4137625	10.74802	13.33117	8.72004	0.001464	0.001185	0.001144	0.000956
577891.2	4137623	11.2052	13.74111	8.92732	0.001526	0.001235	0.001193	0.000997
577882.3	4137622	11.62345	14.09086	9.11195	0.001583	0.001281	0.001237	0.001034
578183.9	4137532	5.21413	7.59337	5.42594	0.000713	0.000576	0.000558	0.000465
578189.1	4137524	5.61957	7.89348	5.61304	0.000768	0.000621	0.0006	0.000501
578194.2	4137516	6.05607	8.19028	5.81604	0.000827	0.000669	0.000647	0.00054
578199.3	4137508	6.51722	8.47573	6.03485	0.000889	0.000719	0.000695	0.000581
578204.5	4137500	6.99767	8.74404	6.27018	0.000954	0.000772	0.000746	0.000623
578209.6	4137492	7.48841	8.98747	6.52019	0.00102	0.000826	0.000798	0.000667
578214.7	4137485	7.98246	9.20182	6.78391	0.001087	0.00088	0.00085	0.00071
578219.9	4137477	8.4692	9.38031	7.05669	0.001153	0.000933	0.000901	0.000753
578225	4137469	8.9412	9.52103	7.33541	0.001217	0.000985	0.000951	0.000795
578176.9	4137571	3.62054	5.83604	4.39463	0.000496	0.000401	0.000389	0.000324
578169.2	4137577	3.50241	5.77056	4.3746	0.00048	0.000388	0.000376	0.000314
578161.5	4137582	3.40399	5.71173	4.35798	0.000467	0.000377	0.000366	0.000305
578153.8	4137587	3.32516	5.66002	4.34374	0.000456	0.000369	0.000357	0.000298
578146.1	4137593	3.26223	5.60839	4.32601	0.000448	0.000362	0.000351	0.000292
578138.4	4137598	3.21696	5.56282	4.30869	0.000442	0.000357	0.000346	0.000288
578130.7	4137603	3.18921	5.52517	4.29332	0.000438	0.000354	0.000343	0.000286
578123	4137608	3.1767	5.4934	4.27935	0.000436	0.000352	0.000342	0.000285
578115.3	4137614	3.17635	5.46323	4.26513	0.000436	0.000352	0.000342	0.000285
578107.6	4137619	3.18651	5.43386	4.25166	0.000438	0.000353	0.000343	0.000286
578099.9	4137624	3.20543	5.40392	4.23951	0.00044	0.000355	0.000345	0.000287
578092.2	4137630	3.23255	5.37475	4.23074	0.000444	0.000358	0.000347	0.00029
578084.5	4137635	3.26722	5.34726	4.22661	0.000448	0.000362	0.000351	0.000293
578076.8	4137640	3.30903	5.32229	4.2277	0.000454	0.000367	0.000355	0.000296
578069.1	4137646	3.35667	5.29973	4.23312	0.00046	0.000372	0.00036	0.0003
578061.4	4137651	3.41175	5.28465	4.24501	0.000468	0.000378	0.000366	0.000305
578053.6	4137656	3.47495	5.27983	4.26357	0.000476	0.000385	0.000373	0.000311
578045.9	4137662	3.54179	5.27905	4.28252	0.000485	0.000392	0.00038	0.000317
578029	4137665	3.85952	5.55818	4.50793	0.000528	0.000427	0.000413	0.000345
578019.8	4137664	4.1352	5.86658	4.72834	0.000566	0.000457	0.000443	0.000369
578010.6	4137662	4.43696	6.20694	4.9577	0.000607	0.000491	0.000475	0.000396
578001.4	4137660	4.7638	6.57885	5.19345	0.000651	0.000527	0.000509	0.000425
577992.1	4137659	5.11457	6.98098	5.43372	0.000699	0.000565	0.000547	0.000456
577982.9	4137657	5.48629	7.40821	5.67565	0.00075	0.000606	0.000586	0.000489
577973.7	4137656	5.8764	7.85592	5.91804	0.000803	0.000649	0.000628	0.000524
577964.5	4137654	6.28157	8.31746	6.15949	0.000858	0.000694	0.000671	0.00056
577955.3	4137652	6.69812	8.78491	6.39813	0.000914	0.00074	0.000715	0.000597
577946.1	4137651	7.12544	9.25574	6.63535	0.000972	0.000787	0.00076	0.000635
577936.8	4137649	7.55967	9.72256	6.86915	0.001031	0.000834	0.000806	0.000673
577927.6	4137648	7.99829	10.18113	7.0988	0.001091	0.000883	0.000853	0.000712
577918.4	4137646	8.4375	10.62677	7.32282	0.00115	0.000931	0.000899	0.000751
577909.2	4137644	8.87663	11.05877	7.54164	0.00121	0.000979	0.000946	0.00079
577900	4137643	9.31403	11.47609	7.75543	0.001269	0.001027	0.000992	0.000829
577890.7	4137641	9.73446	11.86055	7.95549	0.001326	0.001073	0.001036	0.000866
577881.5	4137639	10.1277	12.20098	8.13722	0.001379	0.001117	0.001078	0.000901
577872.3	4137638	10.48215	12.48459	8.29535	0.001427	0.001156	0.001115	0.000932
578184.6	4137566	3.75685	5.9055	4.41809	0.000515	0.000416	0.000403	0.000336
578189.7	4137558	4.0115	6.13505	4.5452	0.000549	0.000444	0.00043	0.000359

578205.2	4137534	4.94931	6.86452	4.9852	0.000676	0.000547	0.000529	0.000442
578210.3	4137527	5.31742	7.11399	5.1588	0.000726	0.000587	0.000568	0.000474
578215.4	4137519	5.7015	7.35009	5.34043	0.000778	0.000629	0.000608	0.000508
578220.6	4137511	6.10139	7.5743	5.53471	0.000832	0.000673	0.00065	0.000543
578225.7	4137503	6.51208	7.78347	5.74216	0.000887	0.000718	0.000694	0.00058
578230.9	4137495	6.92813	7.97336	5.96142	0.000944	0.000764	0.000737	0.000616
578236	4137487	7.33838	8.13525	6.1861	0.000999	0.000809	0.000781	0.000653
578241.1	4137479	7.73909	8.26957	6.41576	0.001053	0.000853	0.000823	0.000688
578193.2	4137582	3.25763	5.17036	3.95244	0.000446	0.000361	0.00035	0.000291
578185.6	4137587	3.15207	5.1134	3.93336	0.000432	0.000349	0.000338	0.000282
578178.1	4137592	3.06322	5.06423	3.91952	0.00042	0.000339	0.000329	0.000274
578170.5	4137597	2.989	5.0188	3.90686	0.00041	0.000331	0.000321	0.000268
578163	4137602	2.92886	4.97645	3.89397	0.000402	0.000325	0.000315	0.000262
578155.5	4137608	2.88247	4.93762	3.88063	0.000396	0.00032	0.00031	0.000258
578147.9	4137613	2.84946	4.90309	3.86722	0.000391	0.000316	0.000307	0.000255
578140.4	4137618	2.8303	4.87599	3.85612	0.000389	0.000314	0.000305	0.000254
578132.8	4137623	2.82194	4.85177	3.84467	0.000388	0.000313	0.000304	0.000253
578125.3	4137628	2.82288	4.82906	3.83278	0.000388	0.000313	0.000304	0.000253
578117.8	4137634	2.83084	4.80518	3.81969	0.000389	0.000314	0.000304	0.000254
578110.2	4137639	2.84576	4.78204	3.80784	0.000391	0.000316	0.000306	0.000255
578102.7	4137644	2.86662	4.75908	3.79788	0.000393	0.000318	0.000308	0.000257
578095.1	4137649	2.8933	4.73768	3.79153	0.000397	0.000321	0.000311	0.000259
578087.6	4137654	2.92609	4.71974	3.79048	0.000401	0.000324	0.000314	0.000262
578080.1	4137660	2.96346	4.70317	3.79321	0.000406	0.000328	0.000318	0.000265
578072.5	4137665	3.00505	4.68856	3.79954	0.000412	0.000333	0.000323	0.000269
578065	4137670	3.05072	4.67686	3.80914	0.000418	0.000338	0.000327	0.000273
578057.4	4137675	3.10114	4.67054	3.82249	0.000425	0.000343	0.000333	0.000277
578049.9	4137680	3.15386	4.66653	3.83604	0.000432	0.000349	0.000338	0.000282
578033.3	4137684	3.40763	4.8823	4.0182	0.000466	0.000377	0.000365	0.000304
578024.3	4137683	3.6294	5.12654	4.20032	0.000497	0.000401	0.000389	0.000324
578015.3	4137681	3.87141	5.3951	4.39051	0.00053	0.000428	0.000414	0.000346
578006.3	4137679	4.13343	5.68852	4.5872	0.000565	0.000457	0.000442	0.000369
577997.2	4137678	4.41406	6.0048	4.78786	0.000603	0.000488	0.000472	0.000394
577988.2	4137676	4.71186	6.34243	4.99134	0.000644	0.000521	0.000504	0.00042
577979.2	4137675	5.02421	6.69677	5.19534	0.000686	0.000555	0.000537	0.000448
577970.2	4137673	5.34886	7.06364	5.39882	0.00073	0.000591	0.000571	0.000477
577961.1	4137671	5.68484	7.44008	5.60194	0.000776	0.000628	0.000607	0.000507
577952.1	4137670	6.02843	7.81927	5.80273	0.000823	0.000666	0.000643	0.000537
577943.1	4137668	6.37925	8.19911	6.00186	0.00087	0.000704	0.00068	0.000568
577934.1	4137667	6.73617	8.57713	6.19947	0.000919	0.000743	0.000718	0.0006
577925	4137665	7.09682	8.94898	6.39405	0.000968	0.000783	0.000757	0.000632
577916	4137664	7.46137	9.31474	6.58628	0.001017	0.000823	0.000795	0.000664
577907	4137662	7.82828	9.67291	6.77574	0.001067	0.000864	0.000834	0.000697
577898	4137660	8.19439	10.01999	6.9608	0.001117	0.000904	0.000873	0.000729
577888.9	4137659	8.55301	10.34865	7.13792	0.001165	0.000943	0.000911	0.000761
577879.9	4137657	8.89586	10.64929	7.30256	0.001212	0.000981	0.000947	0.000791
577870.9	4137656	9.21407	10.91326	7.45093	0.001255	0.001016	0.00098	0.00082
577861.9	4137654	9.50432	11.13721	7.58219	0.001294	0.001048	0.001011	0.000845
578200.7	4137576	3.37598	5.22772	3.97277	0.000462	0.000374	0.000362	0.000302
578205.9	4137569	3.59501	5.41746	4.0808	0.000492	0.000398	0.000385	0.000321
578211	4137561	3.83689	5.6128	4.19527	0.000525	0.000424	0.000411	0.000343
578226.4	4137537	4.70422	6.23088	4.60271	0.000642	0.00052	0.000502	0.000419
578231.5	4137529	5.0283	6.42956	4.7562	0.000686	0.000555	0.000536	0.000448
578236.7	4137521	5.36662	6.62164	4.92089	0.000732	0.000592	0.000572	0.000478
578241.8	4137513	5.71403	6.80269	5.09559	0.000779	0.00063	0.000609	0.000509
578247	4137506	6.06905	6.97303	5.28205	0.000827	0.000669	0.000646	0.00054
578252.1	4137498	6.42132	7.12294	5.47329	0.000874	0.000708	0.000683	0.000571
578257.2	4137490	6.76157	7.24521	5.66275	0.00092	0.000745	0.000719	0.000601
578209.4	4137592	2.95488	4.62359	3.58157	0.000405	0.000327	0.000317	0.000264
578202	4137597	2.86164	4.57694	3.56566	0.000392	0.000317	0.000307	0.000256

578187.2	4137607	2.70988	4.49148	3.53907	0.000372	0.0003	0.000291	0.000243
578172.4	4137618	2.60564	4.42023	3.51708	0.000358	0.000289	0.00028	0.000233
578165	4137623	2.57069	4.39031	3.5068	0.000353	0.000285	0.000277	0.00023
578150.2	4137633	2.53144	4.34071	3.48613	0.000348	0.000281	0.000272	0.000227
578135.3	4137643	2.5269	4.30248	3.46563	0.000347	0.00028	0.000272	0.000226
578120.5	4137653	2.54623	4.2656	3.44327	0.00035	0.000282	0.000274	0.000228
578105.7	4137664	2.58577	4.23405	3.42833	0.000355	0.000287	0.000278	0.000232
578098.3	4137669	2.61209	4.22077	3.42562	0.000358	0.000289	0.000281	0.000234
578083.5	4137679	2.67342	4.1941	3.42722	0.000367	0.000296	0.000287	0.000239
578068.7	4137689	2.74412	4.16808	3.43639	0.000376	0.000304	0.000294	0.000245
578053.9	4137699	2.82662	4.15485	3.45532	0.000387	0.000313	0.000303	0.000253
578037.6	4137703	3.0353	4.33001	3.60832	0.000415	0.000336	0.000325	0.000271
578019.9	4137700	3.41239	4.74041	3.91838	0.000467	0.000377	0.000365	0.000305
578011	4137698	3.62583	4.97601	4.08412	0.000496	0.000401	0.000388	0.000324
578002.1	4137697	3.85403	5.22947	4.25361	0.000527	0.000426	0.000412	0.000344
577993.3	4137695	4.09584	5.49971	4.42566	0.00056	0.000453	0.000438	0.000365
577984.4	4137694	4.35013	5.78484	4.5992	0.000594	0.000481	0.000465	0.000388
577966.7	4137691	4.88839	6.38662	4.94612	0.000667	0.00054	0.000522	0.000436
577957.8	4137689	5.16997	6.69765	5.11878	0.000706	0.000571	0.000552	0.000461
577949	4137687	5.45719	7.01017	5.28977	0.000745	0.000603	0.000582	0.000486
577940.1	4137686	5.7495	7.32224	5.45929	0.000784	0.000635	0.000613	0.000512
577922.4	4137683	6.34687	7.9382	5.79383	0.000866	0.0007	0.000677	0.000565
577913.5	4137681	6.65144	8.24037	5.9589	0.000907	0.000734	0.000709	0.000592
577904.6	4137680	6.95705	8.53526	6.12088	0.000948	0.000767	0.000741	0.000619
577895.8	4137678	7.26316	8.82261	6.27974	0.00099	0.000801	0.000774	0.000647
577886.9	4137677	7.56525	9.09739	6.43285	0.001031	0.000834	0.000806	0.000673
577869.2	4137673	8.14427	9.59717	6.71669	0.001109	0.000898	0.000867	0.000725
577860.3	4137672	8.40931	9.8104	6.84198	0.001145	0.000927	0.000895	0.000748
577851.4	4137670	8.65211	9.99291	6.95355	0.001178	0.000954	0.00092	0.000769
578222	4137579	3.24907	4.83122	3.69312	0.000445	0.000359	0.000348	0.00029
578227.1	4137571	3.45937	4.99693	3.79328	0.000473	0.000383	0.00037	0.000309
578232.2	4137563	3.68884	5.16732	3.90087	0.000504	0.000408	0.000394	0.000329
578252.8	4137532	4.76672	5.84986	4.41417	0.00065	0.000526	0.000508	0.000425
578257.9	4137524	5.06473	6.00897	4.56438	0.00069	0.000559	0.00054	0.000451
578263.1	4137516	5.36672	6.15657	4.72093	0.000731	0.000592	0.000571	0.000478
578268.2	4137508	5.66748	6.28906	4.88141	0.000772	0.000625	0.000603	0.000504
578273.3	4137500	5.96262	6.40401	5.04367	0.000812	0.000657	0.000634	0.00053
578225.3	4137603	2.69314	4.16247	3.26356	0.000369	0.000298	0.000289	0.000241
578217.7	4137608	2.60717	4.12137	3.24876	0.000357	0.000289	0.00028	0.000233
578210.1	4137613	2.53075	4.08184	3.2355	0.000347	0.00028	0.000272	0.000227
578202.5	4137618	2.46491	4.04533	3.22414	0.000338	0.000273	0.000265	0.000221
578194.9	4137624	2.40928	4.0115	3.21379	0.000331	0.000267	0.000259	0.000216
578187.3	4137629	2.36411	3.98081	3.20422	0.000325	0.000262	0.000254	0.000212
578179.7	4137634	2.32925	3.95387	3.19551	0.00032	0.000258	0.000251	0.000209
578172.1	4137639	2.30403	3.93015	3.187	0.000317	0.000256	0.000248	0.000207
578164.5	4137645	2.28729	3.90876	3.178	0.000314	0.000254	0.000246	0.000205
578156.9	4137650	2.27832	3.88929	3.16832	0.000313	0.000253	0.000245	0.000204
578149.3	4137655	2.27594	3.87094	3.15772	0.000313	0.000252	0.000245	0.000204
578141.7	4137660	2.27945	3.85385	3.14678	0.000313	0.000253	0.000245	0.000204
578134.1	4137666	2.28809	3.83784	3.136	0.000314	0.000254	0.000246	0.000205
578126.5	4137671	2.30108	3.82269	3.12593	0.000316	0.000255	0.000247	0.000206
578118.9	4137676	2.31829	3.8093	3.11792	0.000318	0.000257	0.000249	0.000208
578111.3	4137681	2.33995	3.79903	3.11358	0.000321	0.000259	0.000251	0.00021
578103.8	4137687	2.36376	3.78782	3.11043	0.000324	0.000262	0.000254	0.000212
578096.2	4137692	2.3894	3.77553	3.10863	0.000328	0.000265	0.000257	0.000214
578088.6	4137697	2.41669	3.76242	3.10833	0.000331	0.000268	0.000259	0.000216
578081	4137702	2.44593	3.74979	3.11015	0.000335	0.000271	0.000262	0.000219
578073.4	4137708	2.47787	3.7396	3.11494	0.00034	0.000274	0.000266	0.000222
578065.8	4137713	2.51303	3.73349	3.12316	0.000344	0.000278	0.000269	0.000225
578058.2	4137718	2.55121	3.73135	3.1339	0.000349	0.000282	0.000273	0.000228

578041.5	4137722	2.73342	3.88336	3.27028	0.000374	0.000302	0.000293	0.000244
578032.4	4137720	2.8881	4.04794	3.40148	0.000395	0.000319	0.000309	0.000258
578023.3	4137718	3.05824	4.23138	3.54152	0.000418	0.000338	0.000327	0.000273
578014.2	4137717	3.2418	4.43068	3.68673	0.000443	0.000358	0.000347	0.000289
578005.1	4137715	3.43926	4.64703	3.83687	0.00047	0.00038	0.000368	0.000307
577996	4137714	3.64912	4.87874	3.99019	0.000499	0.000403	0.00039	0.000326
577986.9	4137712	3.87041	5.12433	4.14566	0.000529	0.000428	0.000414	0.000345
577977.8	4137711	4.10054	5.37981	4.30113	0.00056	0.000453	0.000438	0.000366
577968.7	4137709	4.33909	5.64386	4.45678	0.000593	0.000479	0.000463	0.000387
577959.6	4137707	4.58359	5.91222	4.61118	0.000626	0.000506	0.000489	0.000409
577950.5	4137706	4.83358	6.18326	4.76471	0.00066	0.000534	0.000516	0.000431
577941.5	4137704	5.08762	6.45379	4.91661	0.000694	0.000562	0.000543	0.000453
577932.4	4137703	5.34697	6.72444	5.06834	0.000729	0.00059	0.00057	0.000476
577923.3	4137701	5.60924	6.99133	5.2182	0.000765	0.000619	0.000598	0.0005
577914.2	4137699	5.87576	7.2559	5.36749	0.000801	0.000648	0.000626	0.000523
577905.1	4137698	6.14478	7.51577	5.51489	0.000838	0.000678	0.000655	0.000547
577896	4137696	6.41643	7.77148	5.66081	0.000875	0.000708	0.000684	0.000571
577886.9	4137695	6.68673	8.01846	5.80259	0.000911	0.000737	0.000712	0.000595
577877.8	4137693	6.95467	8.25622	5.94012	0.000948	0.000767	0.00074	0.000619
577868.7	4137691	7.21571	8.48001	6.07094	0.000983	0.000796	0.000768	0.000642
577859.6	4137690	7.46579	8.68612	6.19336	0.001017	0.000823	0.000794	0.000664
577850.5	4137688	7.699	8.86885	6.30464	0.001048	0.000849	0.000819	0.000685
577841.4	4137687	7.91203	9.02473	6.40334	0.001077	0.000872	0.000842	0.000704
578232.9	4137597	2.78825	4.2051	3.28063	0.000382	0.000309	0.000299	0.000249
578238.1	4137590	2.95565	4.341	3.36246	0.000404	0.000327	0.000316	0.000264
578243.2	4137582	3.13922	4.48225	3.45015	0.000429	0.000347	0.000336	0.00028
578248.3	4137574	3.33818	4.62679	3.54363	0.000456	0.000369	0.000357	0.000298
578253.5	4137566	3.55159	4.77333	3.64348	0.000485	0.000392	0.000379	0.000317
578274	4137534	4.5246	5.35138	4.11726	0.000617	0.000499	0.000482	0.000403
578279.2	4137527	4.78447	5.48085	4.2509	0.000652	0.000528	0.000509	0.000426
578284.3	4137519	5.0422	5.59676	4.38594	0.000687	0.000556	0.000537	0.000449
578289.4	4137511	5.29743	5.7008	4.5239	0.000721	0.000584	0.000563	0.000471
578241.6	4137613	2.47129	3.77192	2.98918	0.000339	0.000274	0.000265	0.000221
578234.1	4137618	2.39433	3.73647	2.97547	0.000328	0.000265	0.000257	0.000214
578226.6	4137623	2.325	3.70247	2.96337	0.000319	0.000258	0.00025	0.000208
578219.1	4137629	2.26416	3.67073	2.95296	0.000311	0.000251	0.000243	0.000203
578211.7	4137634	2.21139	3.64068	2.94333	0.000304	0.000245	0.000238	0.000198
578204.2	4137639	2.16738	3.61366	2.93505	0.000298	0.00024	0.000233	0.000194
578196.7	4137644	2.13183	3.58922	2.92742	0.000293	0.000236	0.000229	0.000191
578189.2	4137649	2.10432	3.56698	2.91987	0.000289	0.000233	0.000226	0.000189
578181.8	4137654	2.08361	3.54552	2.91118	0.000286	0.000231	0.000224	0.000187
578174.3	4137660	2.07029	3.52687	2.90284	0.000284	0.00023	0.000223	0.000186
578166.8	4137665	2.06325	3.50988	2.89403	0.000283	0.000229	0.000222	0.000185
578159.3	4137670	2.06206	3.49503	2.88531	0.000283	0.000229	0.000222	0.000185
578151.8	4137675	2.06557	3.48103	2.87605	0.000284	0.000229	0.000222	0.000185
578144.4	4137680	2.07381	3.46936	2.86775	0.000285	0.00023	0.000223	0.000186
578136.9	4137685	2.0857	3.45869	2.85994	0.000286	0.000231	0.000224	0.000187
578129.4	4137690	2.10057	3.44867	2.8529	0.000288	0.000233	0.000226	0.000188
578121.9	4137696	2.1177	3.43857	2.84661	0.000291	0.000235	0.000228	0.00019
578114.5	4137701	2.13709	3.42903	2.842	0.000293	0.000237	0.00023	0.000191
578107	4137706	2.15758	3.41805	2.83793	0.000296	0.000239	0.000232	0.000193
578099.5	4137711	2.17912	3.4062	2.83497	0.000299	0.000241	0.000234	0.000195
578092	4137716	2.20237	3.39486	2.83411	0.000302	0.000244	0.000236	0.000197
578084.6	4137721	2.2278	3.38559	2.83626	0.000305	0.000247	0.000239	0.000199
578077.1	4137727	2.25582	3.3791	2.84156	0.000309	0.00025	0.000242	0.000202
578069.6	4137732	2.28644	3.37586	2.84977	0.000313	0.000253	0.000245	0.000204
578062.1	4137737	2.31934	3.37549	2.86001	0.000318	0.000257	0.000249	0.000207
578045.7	4137740	2.47176	3.50087	2.97549	0.000338	0.000273	0.000265	0.000221
578036.8	4137739	2.60153	3.63802	3.08778	0.000356	0.000288	0.000279	0.000232
578027.8	4137737	2.74196	3.7869	3.20529	0.000375	0.000303	0.000293	0.000245

578018.9	4137736	2.89334	3.94854	3.3276	0.000396	0.00032	0.00031	0.000258
578009.9	4137734	3.05529	4.12297	3.45379	0.000418	0.000338	0.000327	0.000273
578001	4137733	3.22804	4.3107	3.58362	0.000441	0.000357	0.000345	0.000288
577992.1	4137731	3.4118	4.51237	3.71735	0.000466	0.000377	0.000365	0.000304
577983.1	4137730	3.60369	4.72357	3.85199	0.000492	0.000398	0.000385	0.000321
577974.2	4137728	3.80252	4.94246	3.98694	0.000519	0.00042	0.000406	0.000339
577965.2	4137726	4.00437	5.16276	4.11877	0.000547	0.000442	0.000428	0.000357
577956.3	4137725	4.2105	5.38584	4.24967	0.000575	0.000465	0.000449	0.000375
577947.3	4137723	4.42134	5.61135	4.38047	0.000603	0.000488	0.000472	0.000394
577938.4	4137722	4.63729	5.8389	4.51188	0.000633	0.000512	0.000495	0.000413
577929.4	4137720	4.85938	6.06901	4.64497	0.000663	0.000536	0.000518	0.000433
577920.5	4137719	5.08416	6.29632	4.77669	0.000693	0.000561	0.000542	0.000453
577911.5	4137717	5.31191	6.52104	4.90753	0.000724	0.000586	0.000566	0.000473
577902.6	4137715	5.541	6.74078	5.03605	0.000755	0.000611	0.00059	0.000493
577893.7	4137714	5.77238	6.95706	5.16324	0.000787	0.000637	0.000615	0.000514
577884.7	4137712	6.00506	7.16902	5.28856	0.000818	0.000662	0.00064	0.000535
577875.8	4137711	6.23712	7.37492	5.41099	0.00085	0.000688	0.000664	0.000555
577866.8	4137709	6.46595	7.57195	5.529	0.000881	0.000713	0.000688	0.000575
577857.9	4137708	6.68835	7.75736	5.64122	0.000911	0.000737	0.000712	0.000595
577848.9	4137706	6.90042	7.92726	5.74571	0.00094	0.000761	0.000734	0.000614
577840	4137704	7.10004	8.08013	5.842	0.000967	0.000783	0.000755	0.000631
577831	4137703	7.2818	8.21035	5.92714	0.000991	0.000803	0.000775	0.000648
578254.2	4137600	2.70342	3.92558	3.0772	0.00037	0.000299	0.000289	0.000241
578259.3	4137592	2.8647	4.04669	3.15423	0.000392	0.000317	0.000306	0.000256
578264.4	4137584	3.03847	4.17065	3.23618	0.000415	0.000336	0.000325	0.000271
578269.6	4137576	3.22463	4.29666	3.32358	0.00044	0.000356	0.000344	0.000288
578274.7	4137569	3.42165	4.42356	3.41687	0.000467	0.000378	0.000365	0.000305
578279.9	4137561	3.62915	4.55053	3.51663	0.000495	0.000401	0.000387	0.000323
578295.3	4137537	4.29166	4.90959	3.84804	0.000585	0.000473	0.000457	0.000382
578300.4	4137529	4.51607	5.01357	3.96476	0.000615	0.000498	0.000481	0.000402
578257.5	4137624	2.27567	3.43556	2.74982	0.000312	0.000252	0.000244	0.000203
578249.8	4137629	2.20435	3.40351	2.73654	0.000302	0.000244	0.000236	0.000197
578242.2	4137634	2.13967	3.37309	2.72509	0.000293	0.000237	0.00023	0.000191
578234.6	4137640	2.08204	3.34388	2.71471	0.000286	0.000231	0.000224	0.000186
578226.9	4137645	2.03203	3.31723	2.70602	0.000279	0.000225	0.000218	0.000182
578219.3	4137650	1.98919	3.29176	2.69758	0.000273	0.000221	0.000214	0.000178
578211.6	4137655	1.95343	3.26765	2.68923	0.000268	0.000217	0.00021	0.000175
578204	4137661	1.92502	3.24572	2.68136	0.000264	0.000214	0.000207	0.000173
578196.3	4137666	1.90394	3.22664	2.67427	0.000262	0.000211	0.000205	0.000171
578188.7	4137671	1.8892	3.20928	2.66699	0.00026	0.00021	0.000203	0.000169
578181.1	4137676	1.8806	3.19371	2.65954	0.000258	0.000209	0.000202	0.000169
578173.4	4137682	1.87816	3.1817	2.65333	0.000258	0.000208	0.000202	0.000168
578165.8	4137687	1.88053	3.17128	2.64702	0.000258	0.000209	0.000202	0.000169
578158.1	4137692	1.88674	3.16139	2.64009	0.000259	0.000209	0.000203	0.000169
578150.5	4137698	1.89643	3.15262	2.63334	0.00026	0.00021	0.000204	0.00017
578142.8	4137703	1.90893	3.14427	2.62666	0.000262	0.000212	0.000205	0.000171
578135.2	4137708	1.92317	3.13523	2.6197	0.000264	0.000213	0.000207	0.000172
578127.6	4137713	1.93857	3.12495	2.6125	0.000266	0.000215	0.000208	0.000174
578119.9	4137719	1.9553	3.1143	2.60611	0.000268	0.000217	0.00021	0.000175
578112.3	4137724	1.9733	3.10361	2.6011	0.000271	0.000219	0.000212	0.000177
578104.6	4137729	1.99252	3.09311	2.59778	0.000273	0.000221	0.000214	0.000178
578097	4137734	2.01285	3.08282	2.59617	0.000276	0.000223	0.000216	0.00018
578089.4	4137740	2.03557	3.0753	2.59805	0.000279	0.000225	0.000218	0.000182
578081.7	4137745	2.0607	3.07062	2.60316	0.000282	0.000228	0.000221	0.000184
578074.1	4137750	2.08701	3.06676	2.60949	0.000286	0.000231	0.000224	0.000187
578066.4	4137756	2.11452	3.06411	2.6168	0.00029	0.000234	0.000227	0.000189
578049.6	4137759	2.24994	3.17605	2.72165	0.000308	0.000249	0.000241	0.000201
578040.5	4137758	2.36536	3.29779	2.82341	0.000324	0.000262	0.000253	0.000211
578031.3	4137756	2.48999	3.42944	2.92988	0.000341	0.000275	0.000267	0.000222
578022.2	4137754	2.62307	3.57004	3.03928	0.000359	0.00029	0.000281	0.000234



578013	4137753	2.76578	3.72213	3.15266	0.000378	0.000306	0.000296	0.000247
578003.9	4137751	2.91696	3.88436	3.26839	0.000399	0.000322	0.000312	0.00026
577994.8	4137750	3.07733	4.058	3.38715	0.000421	0.00034	0.000329	0.000275
577985.6	4137748	3.24514	4.24061	3.50727	0.000443	0.000359	0.000347	0.000289
577976.5	4137746	3.41928	4.43041	3.62789	0.000467	0.000378	0.000365	0.000305
577967.3	4137745	3.5976	4.62403	3.74742	0.000491	0.000397	0.000384	0.000321
577958.2	4137743	3.77852	4.81882	3.86501	0.000516	0.000417	0.000403	0.000337
577949	4137742	3.96216	5.01413	3.98119	0.000541	0.000438	0.000423	0.000353
577939.9	4137740	4.14994	5.21128	4.09785	0.000566	0.000458	0.000443	0.00037
577930.7	4137738	4.3464	5.41531	4.21897	0.000593	0.00048	0.000464	0.000387
577921.6	4137737	4.54639	5.61859	4.33993	0.00062	0.000502	0.000485	0.000405
577912.4	4137735	4.75013	5.82104	4.46097	0.000648	0.000524	0.000506	0.000423
577903.3	4137734	4.95244	6.01549	4.57758	0.000675	0.000546	0.000528	0.000441
577894.2	4137732	5.15806	6.20843	4.69399	0.000703	0.000569	0.00055	0.000459
577885	4137730	5.36604	6.39857	4.8093	0.000731	0.000592	0.000572	0.000478
577875.9	4137729	5.57542	6.5853	4.92309	0.00076	0.000615	0.000594	0.000496
577866.7	4137727	5.78345	6.76585	5.03367	0.000788	0.000638	0.000616	0.000515
577857.6	4137726	5.98934	6.93968	5.14088	0.000816	0.00066	0.000638	0.000533
577848.4	4137724	6.18863	7.10253	5.24233	0.000843	0.000682	0.000659	0.000551
577839.3	4137722	6.38023	7.25351	5.33783	0.000869	0.000703	0.000679	0.000568
577830.1	4137721	6.55905	7.38796	5.4249	0.000893	0.000723	0.000698	0.000583
577821	4137719	6.72436	7.50546	5.50364	0.000915	0.000741	0.000715	0.000598
578265.1	4137618	2.35314	3.46822	2.76456	0.000322	0.00026	0.000252	0.00021
578270.3	4137611	2.48441	3.56939	2.82856	0.00034	0.000275	0.000266	0.000222
578275.4	4137603	2.62738	3.67522	2.89753	0.000359	0.00029	0.000281	0.000235
578280.5	4137595	2.7813	3.78405	2.97113	0.00038	0.000307	0.000297	0.000248
578285.7	4137587	2.94549	3.89474	3.04933	0.000402	0.000325	0.000315	0.000263
578290.8	4137579	3.11861	4.00574	3.13196	0.000426	0.000344	0.000333	0.000278
578296	4137571	3.29993	4.11619	3.21927	0.00045	0.000364	0.000352	0.000294
578301.1	4137563	3.48791	4.22467	3.31108	0.000476	0.000385	0.000372	0.000311
578337.1	4137508	4.82393	4.80771	4.01741	0.000656	0.000531	0.000513	0.000429
578342.2	4137500	4.99575	4.85654	4.11768	0.000679	0.00055	0.000531	0.000444
578273.7	4137634	2.10683	3.14518	2.54007	0.000289	0.000233	0.000226	0.000188
578266.2	4137639	2.04285	3.11757	2.52802	0.00028	0.000226	0.000219	0.000183
578258.6	4137645	1.98383	3.09055	2.517	0.000272	0.00022	0.000213	0.000178
578251.1	4137650	1.93066	3.06466	2.50708	0.000265	0.000214	0.000207	0.000173
578243.6	4137655	1.88287	3.03916	2.49739	0.000258	0.000209	0.000202	0.000169
578236.1	4137660	1.84137	3.01554	2.48883	0.000253	0.000204	0.000198	0.000165
578228.5	4137665	1.80628	2.99392	2.48126	0.000248	0.0002	0.000194	0.000162
578221	4137671	1.7774	2.97407	2.47425	0.000244	0.000197	0.000191	0.000159
578213.5	4137676	1.75458	2.95629	2.46789	0.000241	0.000195	0.000189	0.000157
578205.9	4137681	1.73806	2.94136	2.46262	0.000239	0.000193	0.000187	0.000156
578198.4	4137686	1.7272	2.92862	2.45785	0.000237	0.000192	0.000186	0.000155
578190.9	4137691	1.72122	2.91728	2.45291	0.000237	0.000191	0.000185	0.000154
578183.4	4137697	1.71989	2.90759	2.44803	0.000236	0.000191	0.000185	0.000154
578175.8	4137702	1.7224	2.8989	2.44281	0.000237	0.000191	0.000185	0.000154
578168.3	4137707	1.72832	2.89119	2.43738	0.000237	0.000192	0.000186	0.000155
578160.8	4137712	1.73622	2.88218	2.43028	0.000238	0.000193	0.000187	0.000156
578153.2	4137717	1.74648	2.87389	2.42334	0.00024	0.000194	0.000188	0.000156
578145.7	4137722	1.75835	2.86528	2.4161	0.000241	0.000195	0.000189	0.000158
578138.2	4137728	1.77172	2.85692	2.40937	0.000243	0.000196	0.00019	0.000159
578130.7	4137733	1.78598	2.84801	2.40289	0.000245	0.000198	0.000192	0.00016
578123.1	4137738	1.8013	2.8393	2.39753	0.000247	0.0002	0.000193	0.000161
578115.6	4137743	1.81806	2.83178	2.39426	0.000249	0.000201	0.000195	0.000163
578108.1	4137748	1.83571	2.82441	2.39242	0.000252	0.000203	0.000197	0.000164
578100.5	4137754	1.85415	2.81723	2.39204	0.000254	0.000205	0.000199	0.000166
578093	4137759	1.87355	2.81051	2.39319	0.000257	0.000207	0.000201	0.000168
578085.5	4137764	1.89433	2.80528	2.39641	0.00026	0.00021	0.000203	0.000169
578077.9	4137769	1.91622	2.80099	2.40095	0.000262	0.000212	0.000205	0.000171
578070.4	4137774	1.93944	2.79835	2.40692	0.000266	0.000215	0.000208	0.000173

578053.9	4137778	2.05448	2.8926	2.49691	0.000281	0.000227	0.00022	0.000184
578044.9	4137776	2.15223	2.99491	2.58428	0.000295	0.000238	0.00023	0.000192
578035.9	4137775	2.25832	3.10632	2.67666	0.000309	0.00025	0.000242	0.000202
578026.8	4137773	2.37192	3.22585	2.77244	0.000324	0.000262	0.000254	0.000212
578017.8	4137772	2.49281	3.35347	2.87086	0.000341	0.000276	0.000267	0.000223
578008.8	4137770	2.62113	3.48989	2.97187	0.000358	0.00029	0.00028	0.000234
577999.8	4137769	2.75655	3.63487	3.07495	0.000377	0.000305	0.000295	0.000246
577990.8	4137767	2.89769	3.78662	3.17872	0.000396	0.00032	0.00031	0.000259
577981.8	4137765	3.04341	3.94361	3.2823	0.000416	0.000336	0.000325	0.000271
577972.8	4137764	3.19395	4.10601	3.3863	0.000436	0.000353	0.000341	0.000285
577963.8	4137762	3.35014	4.27463	3.49194	0.000457	0.00037	0.000358	0.000299
577954.8	4137761	3.50877	4.4445	3.59642	0.000479	0.000387	0.000375	0.000313
577945.8	4137759	3.66937	4.61436	3.69967	0.000501	0.000405	0.000392	0.000327
577936.7	4137758	3.83486	4.78748	3.80465	0.000523	0.000423	0.000409	0.000342
577927.7	4137756	4.00411	4.96174	3.91041	0.000546	0.000442	0.000427	0.000357
577918.7	4137754	4.1763	5.13528	4.01607	0.00057	0.000461	0.000445	0.000372
577909.7	4137753	4.3492	5.30494	4.11975	0.000593	0.00048	0.000464	0.000387
577900.7	4137751	4.52143	5.46878	4.22029	0.000617	0.000499	0.000482	0.000403
577891.7	4137750	4.69639	5.63119	4.32059	0.00064	0.000518	0.000519	0.000418
577882.7	4137748	4.87477	5.79313	4.42118	0.000664	0.000538	0.000519	0.000434
577873.7	4137746	5.05618	5.95435	4.5218	0.000689	0.000558	0.000539	0.00045
577864.7	4137745	5.23851	6.11263	4.621	0.000714	0.000578	0.000558	0.000466
577855.7	4137743	5.42045	6.26681	4.71811	0.000738	0.000598	0.000577	0.000482
577846.6	4137742	5.59933	6.41439	4.81167	0.000763	0.000617	0.000596	0.000498
577837.6	4137740	5.77295	6.55326	4.90061	0.000786	0.000636	0.000614	0.000514
577828.6	4137739	5.93808	6.6803	4.98323	0.000809	0.000655	0.000632	0.000528
577819.6	4137737	6.09534	6.79728	5.06096	0.00083	0.000672	0.000648	0.000542
577810.6	4137735	6.24643	6.9062	5.13537	0.00085	0.000688	0.000664	0.000555
578281.2	4137629	2.1765	3.17495	2.55471	0.000298	0.000241	0.000233	0.000194
578286.4	4137621	2.29483	3.26515	2.61333	0.000314	0.000254	0.000246	0.000205
578291.5	4137613	2.42244	3.35844	2.67554	0.000331	0.000268	0.000259	0.000216
578296.7	4137605	2.55866	3.45329	2.74085	0.00035	0.000283	0.000273	0.000228
578301.8	4137597	2.70374	3.55006	2.81028	0.000369	0.000299	0.000289	0.000241
578306.9	4137590	2.8554	3.64583	2.88227	0.00039	0.000315	0.000305	0.000255
578312.1	4137582	3.01374	3.74114	2.95798	0.000411	0.000333	0.000321	0.000269
578317.2	4137574	3.1775	3.83465	3.03711	0.000433	0.000351	0.000339	0.000283
578322.3	4137566	3.34543	3.92556	3.1196	0.000456	0.000369	0.000356	0.000298
578342.9	4137534	4.02973	4.2431	3.47369	0.000549	0.000444	0.000429	0.000358
578348	4137527	4.19579	4.30662	3.5647	0.000571	0.000462	0.000446	0.000373
578353.2	4137519	4.3567	4.36247	3.65482	0.000593	0.00048	0.000463	0.000387
578358.3	4137511	4.51096	4.41029	3.7432	0.000614	0.000497	0.000479	0.000401
578080.4	4137309	125.00631	72.67871	155.0558	0.017011	0.013774	0.013289	0.011113
578068.3	4137298	162.83211	81.23446	239.7586	0.022189	0.017959	0.017341	0.014493
578060.6	4137293	183.08215	85.6186	304.9303	0.024984	0.020213	0.019533	0.016315
578052.8	4137288	193.56382	88.16906	357.281	0.026452	0.021392	0.020689	0.017271
578045	4137283	191.65811	88.72958	374.0524	0.026217	0.021195	0.020511	0.017116
578085.9	4137301	109.05684	64.71129	136.162	0.014843	0.012018	0.011596	0.009696
578093.1	4137321	91.3593	60.21856	101.5595	0.012426	0.010063	0.009706	0.008118
578073.8	4137289	134.89332	71.20474	196.165	0.018383	0.014878	0.014367	0.012007
578066	4137284	148.59072	74.65445	237.1293	0.02027	0.016401	0.015846	0.013238
578058.2	4137279	156.0553	76.77208	268.5334	0.02131	0.017237	0.016663	0.013915
578050.5	4137274	155.92594	77.39171	279.8662	0.021306	0.017231	0.016663	0.013911
578091.3	4137292	95.57639	57.94434	119.7398	0.01301	0.010533	0.010164	0.008499
578100	4137305	81.15809	53.29531	92.57137	0.011041	0.008941	0.008625	0.007213
578102.9	4137319	75.42851	51.34085	81.52022	0.010258	0.008307	0.008012	0.006702
578079.2	4137281	113.82743	62.97067	162.476	0.015511	0.012554	0.012122	0.010131
578071.5	4137276	123.33352	65.74422	189.419	0.01682	0.01361	0.013148	0.010985
578063.7	4137271	128.83823	67.50612	209.6014	0.017583	0.014225	0.013747	0.011482
578055.9	4137266	129.50375	68.15262	217.8528	0.017683	0.014303	0.013827	0.011547
578096.8	4137284	84.26245	52.1737	105.5581	0.011471	0.009287	0.008962	0.007493

578105.5	4137297	73.38046	48.60409	84.07418	0.009984	0.008084	0.007799	0.006522
578112.7	4137317	63.53568	44.25304	66.98264	0.00864	0.006997	0.006748	0.005645
578109.9	4137332	64.44697	45.23362	65.89802	0.008762	0.007096	0.006843	0.005724
578118.7	4137300	58.52421	40.82198	63.1721	0.00796	0.006446	0.006217	0.0052
578122.2	4137316	54.53574	38.6089	56.12801	0.007415	0.006005	0.005791	0.004844
578120.5	4137325	55.19063	39.02933	55.97899	0.007503	0.006077	0.00586	0.004902
578108.4	4137268	66.29607	42.7995	81.82394	0.009026	0.007307	0.007052	0.005896
578095.6	4137256	74.00806	45.51295	99.45933	0.010083	0.008161	0.007879	0.006586
578087.8	4137251	78.00748	47.06984	108.9858	0.010631	0.008604	0.008309	0.006944
578080	4137246	80.60595	48.14254	116.054	0.010989	0.008893	0.008589	0.007177
578072.3	4137241	81.56206	48.6841	119.7757	0.011122	0.009	0.008694	0.007264
578113.8	4137260	59.64343	39.12164	73.18679	0.00812	0.006574	0.006344	0.005304
578123.7	4137274	53.8498	37.00345	61.235	0.007327	0.005933	0.005724	0.004787
578138.6	4137329	42.4147	30.34393	41.28434	0.005764	0.004669	0.004502	0.003766
578135.4	4137346	42.15914	30.59867	39.79697	0.005729	0.004641	0.004473	0.003743
578101	4137247	65.41644	41.32319	86.30379	0.008911	0.007213	0.006964	0.005821
578093.3	4137242	68.60183	42.64668	93.47585	0.009348	0.007566	0.007305	0.006106
578085.5	4137237	70.71223	43.57055	98.81479	0.009638	0.0078	0.007533	0.006295
578077.7	4137232	71.60875	44.0706	101.7991	0.009762	0.0079	0.00763	0.006376
578119.1	4137251	53.80517	35.88345	65.62245	0.007325	0.00593	0.005723	0.004785
578128.9	4137265	49.46804	34.23802	56.42129	0.006731	0.005451	0.005259	0.004397
578138.6	4137280	43.98097	31.60435	46.86732	0.005982	0.004844	0.004673	0.003908
578148.5	4137326	37.63961	27.00739	36.22121	0.005115	0.004143	0.003994	0.003342
578145.3	4137343	37.66067	27.20574	35.30448	0.005117	0.004145	0.003996	0.003343
578106.5	4137239	58.30575	37.70411	75.58271	0.007942	0.006429	0.006206	0.005188
578098.7	4137234	60.86513	38.83264	81.09931	0.008293	0.006712	0.00648	0.005416
578091	4137229	62.61762	39.64034	85.25715	0.008533	0.006906	0.006669	0.005573
578083.2	4137224	63.45012	40.10043	87.68194	0.008648	0.006999	0.006759	0.005648
578124.5	4137243	48.77004	33.03052	59.05351	0.00664	0.005375	0.005188	0.004337
578134.2	4137257	45.51575	31.73172	51.94308	0.006194	0.005015	0.004839	0.004046
578143.8	4137271	41.06444	29.61416	43.99833	0.005586	0.004523	0.004363	0.003649
578161.5	4137307	32.9302	24.04757	31.85559	0.004476	0.003625	0.003495	0.002924
578158.3	4137324	33.67402	24.21755	32.06119	0.004576	0.003707	0.003573	0.00299
578155.2	4137341	33.85034	24.38135	31.50464	0.004599	0.003726	0.003591	0.003005
578152.1	4137358	33.12854	24.66918	29.84772	0.004501	0.003646	0.003514	0.002941
578111.9	4137231	52.34193	34.5538	66.7487	0.007129	0.005771	0.005571	0.004657
578104.2	4137226	54.44926	35.53163	71.09917	0.007418	0.006004	0.005796	0.004845
578096.4	4137221	55.94578	36.24931	74.42264	0.007623	0.00617	0.005957	0.004979
578088.6	4137216	56.70223	36.67268	76.42562	0.007727	0.006254	0.006039	0.005047
578150.9	4137250	36.95727	26.65355	40.61568	0.005028	0.004072	0.003928	0.003285
578156	4137257	35.21601	25.73728	37.56083	0.00479	0.003879	0.003742	0.00313
578171.5	4137280	29.81136	22.29029	29.40638	0.004053	0.003283	0.003165	0.002648
578176.7	4137287	28.20312	21.03562	27.29344	0.003834	0.003105	0.002994	0.002505
578180.2	4137304	27.10429	19.87699	25.64158	0.003683	0.002984	0.002876	0.002407
578178.5	4137313	27.46195	19.93451	25.80582	0.003731	0.003023	0.002914	0.002438
578171.8	4137349	27.90336	20.297	25.12833	0.00379	0.003071	0.002959	0.002477
578170.1	4137358	27.57199	20.4511	24.43045	0.003745	0.003034	0.002924	0.002447
578168.4	4137367	27.01419	20.60876	23.50892	0.003669	0.002973	0.002865	0.002398
578099.1	4137199	46.55683	31.25034	60.27066	0.006343	0.005134	0.004957	0.004143
578091.3	4137194	46.65791	31.38524	60.80966	0.006357	0.005145	0.004968	0.004152
578145.7	4137211	34.88453	24.78443	40.88055	0.004749	0.003845	0.00371	0.003102
578155.7	4137225	33.38237	24.10533	37.67417	0.004543	0.003678	0.003549	0.002968
578199.1	4137300	22.7397	16.71619	21.1231	0.00309	0.002503	0.002413	0.002019
578195.8	4137317	23.29794	16.80574	21.38815	0.003165	0.002564	0.002471	0.002068
578189.3	4137352	23.54869	17.19687	20.77058	0.003198	0.002591	0.002497	0.00209
578186	4137369	22.85211	17.44927	19.57231	0.003104	0.002515	0.002423	0.002028
578132.9	4137198	36.62497	25.65266	44.29259	0.004987	0.004037	0.003897	0.003258
578125.1	4137193	37.70549	26.23589	46.27079	0.005135	0.004157	0.004012	0.003354
578117.4	4137188	38.50865	26.68157	47.8223	0.005245	0.004246	0.004098	0.003426
578109.6	4137183	38.99894	26.97851	48.87145	0.005312	0.0043	0.004151	0.00347

578101.8	4137178	39.15503	27.11961	49.36715	0.005334	0.004317	0.004168	0.003484
578156.1	4137195	30.15236	21.82171	34.81683	0.004105	0.003323	0.003207	0.002681
578165.8	4137209	29.17951	21.36064	32.72919	0.003971	0.003215	0.003102	0.002594
578175.6	4137223	27.65073	20.5497	29.85558	0.003762	0.003046	0.002939	0.002458
578195.1	4137251	23.66514	18.04664	23.41097	0.003218	0.002606	0.002513	0.002102
578214.7	4137312	19.88105	14.35356	17.99558	0.002701	0.002188	0.002109	0.001765
578211.6	4137329	20.23112	14.49232	18.06379	0.002748	0.002226	0.002145	0.001795
578205.2	4137363	19.97218	14.92757	17.09037	0.002712	0.002197	0.002118	0.001772
578202	4137380	19.16689	15.0817	15.98692	0.002603	0.002109	0.002033	0.001701
578143.4	4137182	31.37761	22.47432	37.15251	0.004272	0.003459	0.003338	0.002791
578135.6	4137177	32.18798	22.93706	38.57367	0.004383	0.003548	0.003425	0.002863
578166.8	4137179	26.3057	19.35644	29.94036	0.003581	0.002899	0.002797	0.002339
578187.2	4137209	24.41682	18.34887	26.21234	0.003322	0.00269	0.002595	0.00217
578202.5	4137231	22.02331	16.85841	22.22154	0.002995	0.002426	0.002339	0.001957
578212.8	4137246	20.26516	15.60368	19.63727	0.002755	0.002231	0.002152	0.0018
578217.9	4137253	19.421	14.93025	18.48646	0.00264	0.002138	0.002062	0.001725
578223	4137261	18.62527	14.24932	17.4548	0.002531	0.00205	0.001977	0.001654
578228.1	4137268	17.88721	13.57661	16.54198	0.002431	0.001969	0.001898	0.001588
578236.7	4137292	16.80836	12.34824	15.15553	0.002283	0.00185	0.001783	0.001492
578230	4137327	17.57231	12.57741	15.48562	0.002386	0.001933	0.001863	0.001559
578226.7	4137345	17.67285	12.77873	15.30151	0.0024	0.001944	0.001874	0.001568
578223.3	4137363	17.43586	12.98967	14.77718	0.002368	0.001918	0.001848	0.001547
578220	4137381	16.79627	13.12367	13.91693	0.002281	0.001848	0.001781	0.00149
578218.4	4137390	16.32498	13.13385	13.38243	0.002217	0.001796	0.001731	0.001449
578161.7	4137171	26.46833	19.4208	30.41007	0.003603	0.002917	0.002815	0.002354
578153.9	4137166	27.22242	19.86953	31.64352	0.003706	0.003	0.002896	0.002421
578146.1	4137161	27.85326	20.24656	32.70609	0.003792	0.00307	0.002963	0.002477
578138.3	4137156	28.34369	20.54658	33.56765	0.003859	0.003124	0.003015	0.002521
578130.6	4137151	28.6725	20.76035	34.19137	0.003904	0.003161	0.003051	0.00255
578122.8	4137146	28.83479	20.88747	34.56315	0.003927	0.003179	0.003068	0.002565
578177.1	4137162	23.18519	17.3048	26.05974	0.003156	0.002555	0.002465	0.002062
578187.1	4137177	22.7137	17.06063	25.02878	0.003091	0.002503	0.002415	0.002019
578197.1	4137192	21.89354	16.59207	23.48745	0.002979	0.002412	0.002327	0.001946
578202.1	4137199	21.36304	16.27361	22.55381	0.002906	0.002353	0.00227	0.001899
578232.1	4137243	17.34772	13.43452	16.4258	0.002358	0.00191	0.001842	0.001541
578242.1	4137257	16.08656	12.31718	14.81315	0.002186	0.001771	0.001707	0.001428
578252.1	4137272	15.00483	11.25764	13.53296	0.002039	0.001651	0.001592	0.001332
578255.5	4137288	14.7189	10.80151	13.11197	0.001999	0.00162	0.001561	0.001306
578249	4137323	15.3964	11.01281	13.43973	0.002091	0.001694	0.001632	0.001366
578245.7	4137340	15.54462	11.18799	13.36889	0.002111	0.00171	0.001648	0.001379
578239.2	4137375	15.0789	11.5165	12.50439	0.002048	0.001659	0.001599	0.001338
578236	4137392	14.3889	11.54589	11.7235	0.001954	0.001583	0.001526	0.001277
578232.7	4137409	13.42136	11.41787	10.78616	0.001823	0.001477	0.001424	0.001191
578164.4	4137150	23.87745	17.70998	27.30991	0.00325	0.002632	0.00254	0.002123
578156.6	4137145	24.37301	18.0186	28.12014	0.003318	0.002686	0.002592	0.002168
578148.8	4137140	24.76436	18.26755	28.7851	0.003372	0.00273	0.002634	0.002202
578141.1	4137135	25.037	18.45053	29.28133	0.003409	0.00276	0.002663	0.002227
578133.3	4137130	25.1773	18.56204	29.59031	0.003428	0.002775	0.002679	0.002239
578198.2	4137162	20.25248	15.38327	22.10803	0.002756	0.002232	0.002153	0.0018
578203.4	4137169	19.96808	15.21753	21.5601	0.002717	0.0022	0.002123	0.001775
578208.5	4137177	19.60738	15.00054	20.90577	0.002668	0.00216	0.002084	0.001743
578213.7	4137184	19.17762	14.73444	20.15742	0.002609	0.002113	0.002038	0.001704
578218.9	4137192	18.68549	14.42057	19.33219	0.002542	0.002058	0.001986	0.001661
578224.1	4137200	18.14947	14.06645	18.45827	0.002469	0.001999	0.001928	0.001613
578229.3	4137207	17.57537	13.67181	17.55485	0.00239	0.001936	0.001867	0.001562
578234.5	4137215	16.98146	13.24427	16.65319	0.002309	0.00187	0.001804	0.001509
578239.7	4137222	16.37856	12.787	15.7747	0.002227	0.001804	0.001739	0.001455
578270.8	4137268	13.24761	9.92525	11.81077	0.0018	0.001458	0.001405	0.001176
578274.3	4137284	13.02819	9.54252	11.47812	0.001769	0.001434	0.001382	0.001156
578272.6	4137293	13.20171	9.57923	11.58301	0.001793	0.001453	0.0014	0.001172

578270.9	4137302	13.36893	9.62744	11.67616	0.001815	0.001471	0.001417	0.001186
578264.1	4137338	13.7899	9.91895	11.74415	0.001872	0.001517	0.001462	0.001223
578262.5	4137347	13.78736	10.00348	11.6491	0.001872	0.001517	0.001461	0.001223
578260.8	4137356	13.73221	10.08658	11.50756	0.001864	0.001511	0.001456	0.001218
578259.1	4137365	13.61424	10.15796	11.31355	0.001848	0.001498	0.001443	0.001208
578254	4137392	12.86503	10.23774	10.44272	0.001747	0.001415	0.001364	0.001142
578252.3	4137401	12.4897	10.20257	10.07374	0.001696	0.001374	0.001324	0.001108
578250.6	4137410	12.0572	10.12873	9.6748	0.001638	0.001327	0.001279	0.00107
578249	4137419	11.57732	10.01724	9.25612	0.001573	0.001274	0.001228	0.001028
578233.8	4137182	16.64018	12.96419	17.01388	0.002264	0.001833	0.001768	0.001479
578243.9	4137197	15.73496	12.33136	15.58213	0.00214	0.001733	0.001671	0.001398
578249	4137204	15.24608	11.97	14.84781	0.002073	0.001679	0.001619	0.001354
578259.2	4137219	14.25904	11.1863	13.44288	0.001938	0.00157	0.001514	0.001266
578264.3	4137227	13.78136	10.77605	12.80217	0.001873	0.001517	0.001463	0.001224
578274.4	4137241	12.88883	9.94756	11.67945	0.001751	0.001419	0.001368	0.001144
578279.5	4137249	12.4888	9.54693	11.20222	0.001697	0.001375	0.001325	0.001109
578289.8	4137298	11.91781	8.58015	10.3138	0.001618	0.001311	0.001263	0.001057
578286.5	4137315	12.16842	8.69547	10.42542	0.001652	0.001339	0.00129	0.00108
578279.9	4137351	12.31969	8.98236	10.2826	0.001673	0.001355	0.001306	0.001093
578271.6	4137395	11.49686	9.14101	9.28399	0.001561	0.001265	0.001219	0.00102
578270	4137404	11.18428	9.10348	8.98762	0.001519	0.001231	0.001186	0.000993
578266.6	4137421	10.43648	8.94134	8.33344	0.001418	0.001149	0.001107	0.000926
578265	4137430	10.01092	8.81476	7.98501	0.00136	0.001102	0.001062	0.000889
578271.7	4137206	13.10368	10.34153	12.37266	0.001781	0.001443	0.001391	0.001164
578276.9	4137214	12.68018	9.98089	11.79397	0.001724	0.001396	0.001346	0.001126
578282.2	4137221	12.2704	9.61301	11.25562	0.001668	0.001351	0.001302	0.00109
578287.4	4137229	11.87928	9.24391	10.76294	0.001614	0.001308	0.001261	0.001055
578292.6	4137237	11.51212	8.88025	10.31842	0.001564	0.001267	0.001221	0.001022
578297.9	4137244	11.1729	8.52906	9.91986	0.001518	0.00123	0.001185	0.000992
578303.1	4137252	10.86197	8.19649	9.5636	0.001475	0.001195	0.001152	0.000964
578308.3	4137260	10.57705	7.88714	9.24259	0.001437	0.001164	0.001122	0.000939
578306.8	4137304	10.84415	7.76234	9.25697	0.001472	0.001193	0.001149	0.000962
578305.1	4137313	10.9501	7.82118	9.29914	0.001487	0.001205	0.001161	0.000971
578303.4	4137322	11.03409	7.88581	9.31801	0.001498	0.001214	0.001169	0.000979
578301.6	4137331	11.09023	7.95332	9.30913	0.001506	0.00122	0.001175	0.000984
578286.3	4137413	9.86409	8.14427	7.88553	0.00134	0.001085	0.001046	0.000875
578284.6	4137422	9.5291	8.06297	7.60273	0.001294	0.001049	0.001011	0.000846
578282.9	4137431	9.16423	7.95542	7.30674	0.001245	0.001009	0.000972	0.000813
578203.6	4137107	16.66003	12.84226	18.21743	0.002267	0.001836	0.001771	0.001481
578195.8	4137102	16.97224	13.05296	18.68112	0.00231	0.00187	0.001805	0.001509
578188	4137097	17.23685	13.23345	19.08547	0.002346	0.0019	0.001833	0.001533
578180.3	4137092	17.45066	13.38274	19.42515	0.002375	0.001923	0.001856	0.001552
578172.5	4137087	17.60749	13.49744	19.69099	0.002397	0.001941	0.001873	0.001566
578219.2	4137098	15.08317	11.7386	16.26901	0.002053	0.001662	0.001604	0.001341
578224.4	4137106	15.02816	11.70863	16.13102	0.002045	0.001656	0.001598	0.001336
578229.5	4137113	14.93232	11.65099	15.93846	0.002032	0.001645	0.001587	0.001327
578234.7	4137121	14.79884	11.56695	15.69401	0.002014	0.001631	0.001573	0.001316
578239.8	4137128	14.63051	11.45759	15.40058	0.001991	0.001612	0.001555	0.0013
578306.7	4137226	10.59687	8.22654	9.4776	0.00144	0.001166	0.001124	0.000941
578311.8	4137233	10.30153	7.92175	9.12766	0.0014	0.001134	0.001093	0.000914
578317	4137241	10.02884	7.62996	8.81232	0.001362	0.001104	0.001064	0.00089
578322.1	4137248	9.77925	7.35597	8.52874	0.001328	0.001076	0.001037	0.000868
578327.3	4137256	9.54812	7.10107	8.27032	0.001297	0.001051	0.001012	0.000847
578330.7	4137272	9.45304	6.89284	8.10685	0.001284	0.00104	0.001002	0.000839
578320.7	4137326	10.03592	7.18537	8.37712	0.001362	0.001104	0.001064	0.00089
578319	4137335	10.07113	7.24624	8.36036	0.001367	0.001108	0.001067	0.000893
578317.3	4137344	10.07759	7.30398	8.31882	0.001368	0.001108	0.001068	0.000894
578303.9	4137415	8.9682	7.37389	7.15614	0.001218	0.000987	0.000951	0.000796
578300.6	4137433	8.38794	7.21577	6.68553	0.001139	0.000923	0.00089	0.000745
578298.9	4137442	8.06347	7.10537	6.43454	0.001096	0.000887	0.000855	0.000716

578214.1	4137091	15.09744	11.74151	16.35244	0.002055	0.001664	0.001605	0.001342
578206.3	4137086	15.35937	11.92201	16.7335	0.00209	0.001693	0.001633	0.001366
578198.5	4137081	15.58164	12.07701	17.0664	0.002121	0.001717	0.001657	0.001385
578190.8	4137076	15.76246	12.20623	17.34806	0.002145	0.001737	0.001676	0.001402
578183	4137070	15.89601	12.30607	17.56991	0.002164	0.001752	0.00169	0.001413
578229.6	4137082	13.74426	10.7804	14.7051	0.00187	0.001514	0.001461	0.001222
578239.8	4137097	13.63691	10.71745	14.46051	0.001856	0.001503	0.00145	0.001212
578249.9	4137111	13.40791	10.56816	14.05286	0.001824	0.001477	0.001425	0.001192
578260	4137126	13.07726	10.34196	13.50059	0.001779	0.001441	0.00139	0.001162
578349.6	4137268	8.60302	6.26399	7.32317	0.001168	0.000946	0.000912	0.000763
578346.3	4137286	8.81373	6.33372	7.44792	0.001197	0.00097	0.000934	0.000782
578338	4137330	9.17125	6.58448	7.57685	0.001245	0.001009	0.000972	0.000813
578334.7	4137347	9.18498	6.68634	7.51401	0.001247	0.00101	0.000973	0.000815
578331.4	4137365	9.10296	6.76791	7.37933	0.001236	0.001001	0.000965	0.000807
578329.8	4137374	9.02095	6.79462	7.28282	0.001225	0.000992	0.000956	0.0008
578319.9	4137427	7.95154	6.64842	6.33093	0.00108	0.000875	0.000843	0.000706
578316.6	4137444	7.42336	6.47856	5.92212	0.001009	0.000817	0.000788	0.000659
578224.6	4137075	13.74852	10.77844	14.76314	0.001871	0.001515	0.001462	0.001222
578216.8	4137069	13.96873	10.9332	15.07848	0.001901	0.001539	0.001485	0.001242
578209	4137064	14.15639	11.06681	15.35508	0.001927	0.00156	0.001505	0.001259
578201.2	4137059	14.30853	11.17792	15.5888	0.001948	0.001577	0.001521	0.001272
578193.5	4137054	14.42307	11.26537	15.77602	0.001963	0.001589	0.001534	0.001282
578240.2	4137066	12.58279	9.93919	13.36041	0.001712	0.001386	0.001338	0.001119
578245.4	4137074	12.55691	9.92539	13.28256	0.001709	0.001384	0.001335	0.001116
578250.6	4137081	12.50046	9.89042	13.16612	0.001701	0.001377	0.001329	0.001111
578255.8	4137089	12.41689	9.83588	13.01415	0.00169	0.001368	0.00132	0.001104
578261	4137096	12.30845	9.76278	12.82859	0.001675	0.001356	0.001308	0.001094
578266.2	4137104	12.17712	9.6721	12.61132	0.001657	0.001342	0.001294	0.001082
578271.4	4137111	12.02667	9.56612	12.36587	0.001636	0.001325	0.001278	0.001069
578302.5	4137157	10.73288	8.59447	10.35099	0.001459	0.001182	0.00114	0.000954
578307.7	4137164	10.46625	8.3798	9.95964	0.001423	0.001153	0.001111	0.00093
578312.9	4137172	10.19323	8.15329	9.56974	0.001386	0.001122	0.001082	0.000905
578318.1	4137180	9.91827	7.91671	9.18831	0.001348	0.001092	0.001053	0.000881
578365	4137282	8.06753	5.79174	6.76953	0.001095	0.000887	0.000855	0.000716
578363.3	4137291	8.15696	5.83348	6.81751	0.001107	0.000897	0.000864	0.000724
578361.6	4137300	8.23797	5.87947	6.8564	0.001118	0.000906	0.000873	0.000731
578359.9	4137309	8.30799	5.92898	6.88459	0.001128	0.000914	0.00088	0.000737
578358.2	4137318	8.36364	5.97989	6.89951	0.001135	0.00092	0.000886	0.000742
578349.8	4137364	8.3531	6.1973	6.74253	0.001134	0.000919	0.000885	0.000741
578348.1	4137373	8.28369	6.22108	6.66224	0.001124	0.000911	0.000878	0.000735
578346.4	4137382	8.1885	6.23325	6.56437	0.001112	0.000901	0.000868	0.000726
578344.7	4137391	8.06775	6.23252	6.44944	0.001095	0.000887	0.000855	0.000716
578343	4137400	7.92294	6.21856	6.3192	0.001076	0.000872	0.00084	0.000703
578341.3	4137409	7.75496	6.1907	6.17477	0.001053	0.000853	0.000822	0.000688
578339.6	4137418	7.56756	6.1504	6.01979	0.001028	0.000833	0.000802	0.000672
578337.9	4137427	7.36131	6.0966	5.85451	0.001	0.00081	0.000781	0.000653
578336.2	4137436	7.13751	6.02932	5.6804	0.000969	0.000785	0.000757	0.000633
578334.6	4137445	6.89963	5.94954	5.5001	0.000937	0.000759	0.000732	0.000612
578332.9	4137454	6.64869	5.85693	5.31444	0.000903	0.000732	0.000705	0.00059
578235	4137058	12.57996	9.9335	13.40182	0.001712	0.001386	0.001337	0.001118
578227.3	4137053	12.76713	10.0674	13.66605	0.001738	0.001407	0.001357	0.001135
578219.5	4137048	12.92654	10.18308	13.89789	0.001759	0.001424	0.001374	0.001149
578211.7	4137043	13.05845	10.28105	14.09677	0.001777	0.001439	0.001388	0.001161
578204	4137038	13.1605	10.36014	14.25948	0.001791	0.00145	0.001399	0.00117
578250.6	4137050	11.56397	9.19324	12.19447	0.001574	0.001274	0.001229	0.001028
578255.8	4137057	11.54555	9.18357	12.13484	0.001571	0.001272	0.001227	0.001026
578260.9	4137065	11.50569	9.15878	12.04794	0.001566	0.001268	0.001223	0.001023
578266	4137072	11.44505	9.11889	11.93422	0.001557	0.001261	0.001217	0.001017
578276.2	4137087	11.25904	8.99034	11.62195	0.001532	0.00124	0.001197	0.001001
578281.4	4137095	11.13771	8.90377	11.42696	0.001515	0.001227	0.001184	0.00099

578286.5	4137102	10.99953	8.80346	11.20785	0.001496	0.001212	0.001169	0.000978
578291.6	4137109	10.84601	8.69026	10.96601	0.001475	0.001195	0.001153	0.000964
578296.7	4137117	10.67992	8.56594	10.70462	0.001453	0.001176	0.001135	0.000949
578301.8	4137124	10.4991	8.4288	10.42257	0.001428	0.001156	0.001115	0.000933
578312.1	4137139	10.09582	8.11531	9.80431	0.001373	0.001112	0.001072	0.000897
578317.2	4137147	9.87495	7.93894	9.47485	0.001343	0.001087	0.001049	0.000877
578322.3	4137154	9.64542	7.7511	9.13943	0.001311	0.001062	0.001024	0.000857
578327.4	4137162	9.41009	7.5533	8.80411	0.001279	0.001036	0.000999	0.000836
578332.5	4137169	9.17267	7.34706	8.4746	0.001247	0.00101	0.000974	0.000815
578337.7	4137177	8.93622	7.13402	8.15592	0.001215	0.000984	0.000949	0.000794
578347.9	4137192	8.48087	6.69836	7.56946	0.001152	0.000934	0.0009	0.000753
578353	4137199	8.26869	6.48201	7.30807	0.001123	0.00091	0.000877	0.000734
578378.9	4137305	7.62977	5.44292	6.29014	0.001036	0.000839	0.000808	0.000677
578375.5	4137322	7.72343	5.53483	6.31523	0.001048	0.000849	0.000818	0.000685
578372.2	4137340	7.7563	5.62049	6.2913	0.001053	0.000853	0.000822	0.000688
578355.5	4137429	6.78759	5.60104	5.39271	0.000922	0.000747	0.00072	0.000602
578352.2	4137447	6.38916	5.47088	5.09064	0.000868	0.000703	0.000678	0.000567
578350.5	4137456	6.17359	5.39098	4.9326	0.000839	0.000679	0.000655	0.000548
578245.5	4137042	11.56	9.18757	12.22612	0.001573	0.001274	0.001229	0.001028
578237.8	4137037	11.72185	9.30515	12.4511	0.001595	0.001292	0.001246	0.001042
578230	4137032	11.86049	9.40731	12.64944	0.001614	0.001307	0.001261	0.001054
578222.2	4137027	11.97652	9.49481	12.82121	0.00163	0.00132	0.001273	0.001065
578214.4	4137022	12.0676	9.56639	12.96333	0.001642	0.00133	0.001283	0.001073
578206.7	4137017	12.12996	9.61943	13.07095	0.001651	0.001337	0.00129	0.001078
578261.2	4137034	10.67165	8.53322	11.18096	0.001452	0.001176	0.001134	0.000949
578266.5	4137041	10.65667	8.52526	11.13135	0.00145	0.001174	0.001133	0.000947
578271.7	4137049	10.62266	8.5038	11.05814	0.001445	0.00117	0.001129	0.000944
578276.9	4137057	10.57222	8.47013	10.96358	0.001439	0.001165	0.001124	0.00094
578282.2	4137064	10.50366	8.42281	10.84574	0.001429	0.001157	0.001116	0.000934
578287.4	4137072	10.41854	8.36247	10.70571	0.001418	0.001148	0.001107	0.000926
578292.6	4137080	10.31644	8.28858	10.54273	0.001404	0.001137	0.001096	0.000917
578297.8	4137087	10.19695	8.20052	10.35604	0.001387	0.001123	0.001084	0.000906
578303.1	4137095	10.06409	8.10103	10.14949	0.001369	0.001109	0.001069	0.000894
578308.3	4137102	9.91776	7.98975	9.92291	0.001349	0.001092	0.001054	0.000881
578313.5	4137110	9.76016	7.86839	9.67933	0.001328	0.001075	0.001037	0.000867
578318.8	4137118	9.59141	7.7366	9.4194	0.001305	0.001056	0.001019	0.000852
578324	4137125	9.41101	7.59376	9.1445	0.00128	0.001036	0.001	0.000836
578329.2	4137133	9.22018	7.44008	8.85766	0.001254	0.001015	0.000979	0.000819
578334.4	4137141	9.0189	7.27482	8.56137	0.001226	0.000993	0.000958	0.000801
578339.7	4137148	8.80994	7.09905	8.26066	0.001198	0.00097	0.000935	0.000783
578344.9	4137156	8.59686	6.91466	7.9616	0.001169	0.000947	0.000913	0.000764
578350.1	4137163	8.38248	6.72304	7.66894	0.001139	0.000923	0.00089	0.000744
578355.4	4137171	8.17055	6.52658	7.38785	0.00111	0.000899	0.000867	0.000726
578360.6	4137179	7.96414	6.32746	7.12193	0.001082	0.000877	0.000845	0.000707
578365.8	4137186	7.76633	6.12871	6.87449	0.001055	0.000855	0.000824	0.00069
578371.1	4137194	7.57972	5.9331	6.64712	0.00103	0.000834	0.000804	0.000673
578376.3	4137202	7.40575	5.74353	6.44042	0.001006	0.000815	0.000786	0.000657
578381.5	4137209	7.24501	5.56205	6.2533	0.000984	0.000797	0.000768	0.000643
578386.7	4137217	7.09668	5.39045	6.08384	0.000964	0.000781	0.000753	0.00063
578406	4137256	6.68381	4.84408	5.5797	0.000907	0.000735	0.000708	0.000593
578394	4137320	7.13498	5.11205	5.80376	0.000968	0.000785	0.000756	0.000633
578392.3	4137329	7.16017	5.1537	5.80238	0.000972	0.000787	0.000759	0.000635
578390.6	4137338	7.17048	5.19251	5.78986	0.000973	0.000789	0.00076	0.000636
578388.9	4137347	7.16436	5.22668	5.76507	0.000972	0.000788	0.000759	0.000635
578387.2	4137356	7.14145	5.25549	5.72855	0.000969	0.000785	0.000757	0.000633
578385.5	4137365	7.10095	5.27765	5.67988	0.000964	0.000781	0.000752	0.00063
578383.8	4137375	7.0432	5.29246	5.6195	0.000956	0.000775	0.000746	0.000625
578382.1	4137384	6.96585	5.2978	5.5461	0.000946	0.000766	0.000738	0.000618
578365.1	4137475	5.37831	4.82881	4.32829	0.000731	0.000592	0.000571	0.000478
578363.4	4137484	5.16551	4.73369	4.18094	0.000702	0.000569	0.000548	0.000459

578361.7	4137493	4.94896	4.63182	4.03367	0.000673	0.000545	0.000525	0.00044
578360	4137502	4.73046	4.52397	3.8876	0.000643	0.000521	0.000502	0.00042
578256	4137026	10.66496	8.5262	11.20437	0.001451	0.001175	0.001134	0.000948
578248.2	4137021	10.80385	8.62861	11.39546	0.00147	0.00119	0.001149	0.00096
578240.5	4137016	10.92312	8.7179	11.56439	0.001487	0.001204	0.001161	0.000971
578232.7	4137011	11.02607	8.79658	11.7141	0.001501	0.001215	0.001172	0.00098
578224.9	4137006	11.10702	8.86111	11.8384	0.001512	0.001224	0.001181	0.000987
578217.1	4137001	11.16586	8.9112	11.9362	0.00152	0.00123	0.001187	0.000993
578015.9	4137279	158.72892	94.66529	296.9278	0.021719	0.017557	0.016993	0.014178
578004.4	4137291	158.13865	113.783	252.9458	0.021608	0.017475	0.0169	0.014108
577999.3	4137299	157.14462	128.4976	223.2307	0.021455	0.017355	0.016776	0.01401
577994.1	4137307	153.85863	144.5078	197.9522	0.021001	0.016989	0.01642	0.013714
577988.9	4137315	149.83742	160.6575	176.9575	0.020454	0.016546	0.015993	0.013357
577983.7	4137323	145.33835	174.6365	156.4284	0.019841	0.01605	0.015514	0.012956
577978.5	4137331	139.94762	183.2606	136.4042	0.019104	0.015454	0.014937	0.012475
577973.4	4137339	133.29867	184.5969	119.1492	0.018194	0.014718	0.014225	0.011881
577968.2	4137347	125.04309	178.787	105.5778	0.017065	0.013806	0.013342	0.011144
577963	4137354	115.15416	167.6416	95.3035	0.015716	0.012715	0.012288	0.010263
577957.8	4137362	103.34562	152.75	86.91053	0.014109	0.011413	0.011032	0.009213
577952.6	4137370	90.06908	136.1051	79.53188	0.012304	0.009951	0.009622	0.008034
577947.4	4137378	76.5279	119.6067	72.70179	0.010464	0.008461	0.008185	0.006832
577942.3	4137386	64.97492	105.1198	66.29517	0.008893	0.007188	0.006958	0.005805
577937.1	4137394	57.61399	93.37194	60.27401	0.007887	0.006375	0.006172	0.005149
577931.9	4137402	54.48048	84.30298	54.69545	0.007452	0.006025	0.00583	0.004865
578007.6	4137274	125.86482	86.55789	205.8825	0.017199	0.013909	0.013452	0.01123
578027.7	4137266	138.46688	78.01803	249.1927	0.018931	0.015307	0.014808	0.012359
577996.1	4137286	120.75642	100.2444	168.6988	0.016485	0.013335	0.01289	0.010765
577990.9	4137294	118.62985	110.2793	151.2287	0.01619	0.013098	0.012658	0.010572
577985.7	4137302	114.87852	120.1657	134.3171	0.015677	0.012683	0.012257	0.010238
577980.5	4137309	110.25066	128.8921	119.4172	0.015048	0.012174	0.011766	0.009827
577975.4	4137317	105.09775	135.1463	106.4179	0.014349	0.011607	0.011219	0.00937
577970.2	4137325	99.02278	137.2264	94.71787	0.013523	0.010938	0.010574	0.00883
577965	4137333	92.24655	134.9385	84.98998	0.012601	0.010191	0.009854	0.008228
577959.8	4137341	84.77397	128.7753	77.27174	0.011584	0.009368	0.00906	0.007563
577954.6	4137349	76.55536	119.5997	71.17631	0.010466	0.008463	0.008186	0.006833
577949.4	4137357	67.73871	108.5819	66.13745	0.009267	0.007492	0.00725	0.00605
577944.3	4137365	58.82894	96.93608	61.68473	0.008056	0.006511	0.006304	0.005258
577939.1	4137373	50.77277	85.83327	57.56644	0.00696	0.005623	0.005448	0.004542
577933.9	4137381	44.68255	76.26891	53.68677	0.006129	0.004951	0.004799	0.004
577928.7	4137388	41.06306	68.5966	49.96181	0.005632	0.00455	0.004409	0.003675
577923.5	4137396	39.54258	62.6736	46.37237	0.005418	0.004378	0.004241	0.003536
577999.2	4137268	100.51514	77.84035	146.1759	0.013723	0.011101	0.01073	0.008961
578011.8	4137259	106.22039	71.59341	169.5401	0.014509	0.011735	0.011346	0.009474
578025.6	4137257	114.5732	69.09586	192.0234	0.015652	0.012659	0.012241	0.01022
577987.7	4137280	94.11624	86.8893	119.1718	0.012843	0.01039	0.010041	0.008387
577982.5	4137288	91.54702	93.31381	107.6198	0.012491	0.010106	0.009766	0.008157
577977.4	4137296	87.8029	98.97298	96.13199	0.011982	0.009694	0.009368	0.007825
577972.2	4137304	83.28917	103.2278	85.82492	0.011369	0.009197	0.008889	0.007424
577967	4137312	78.21576	105.3992	76.93935	0.010681	0.008639	0.008352	0.006974
577961.8	4137320	72.56059	104.8669	69.37536	0.009913	0.008017	0.007753	0.006473
577956.6	4137328	66.39599	101.5636	63.14835	0.009076	0.007339	0.007099	0.005926
577951.4	4137336	59.95822	96.01908	58.27266	0.008202	0.006631	0.006417	0.005355
577946.3	4137343	53.38568	88.8593	54.45418	0.007309	0.005908	0.00572	0.004771
577941.1	4137351	46.85124	80.71573	51.26125	0.006421	0.005188	0.005026	0.004191
577935.9	4137359	40.77676	72.35894	48.41374	0.005595	0.00452	0.004381	0.003651
577930.7	4137367	35.79654	64.67788	45.84977	0.004917	0.00397	0.003851	0.003208
577925.5	4137375	32.25742	58.03829	43.43315	0.004433	0.003579	0.003473	0.002892
577920.4	4137383	30.23067	52.66776	41.12027	0.004153	0.003354	0.003253	0.00271
577915.2	4137391	29.42905	48.489	38.85128	0.004039	0.003262	0.003163	0.002636
577990.8	4137263	81.31525	69.23005	107.9185	0.011096	0.008977	0.008675	0.007246



578003.5	4137254	88.00234	65.34813	128.8274	0.012013	0.009718	0.009393	0.007844
578023.6	4137247	96.2666	61.42662	152.0569	0.013144	0.010632	0.010277	0.008583
578038.6	4137250	105.94553	62.02547	172.5472	0.014466	0.011701	0.011311	0.009446
577998.9	4137246	74.71762	58.21455	103.7035	0.010195	0.008249	0.007971	0.006658
578006.5	4137241	76.31896	56.05404	109.4143	0.010415	0.008426	0.008142	0.006801
578023	4137237	83.12501	55.02247	125.4824	0.011345	0.009178	0.00887	0.007408
578035.6	4137221	69.58234	45.98331	100.4861	0.009491	0.00768	0.007419	0.006198
578052.8	4137224	72.8507	45.88646	106.1984	0.009936	0.00804	0.007767	0.006489
578050.1	4137214	64.77455	42.20172	91.7928	0.008833	0.007147	0.006904	0.005769
578047.5	4137204	57.81181	38.82648	79.78665	0.007882	0.006378	0.006161	0.005148
578064.2	4137207	58.63817	38.3319	80.92997	0.007993	0.006469	0.006248	0.005221
577934.2	4137224	25.00377	28.97547	27.13763	0.003413	0.002761	0.002668	0.002228
578055.5	4137188	48.43583	33.36348	64.31462	0.006601	0.005343	0.005159	0.004312
578064.5	4137189	48.77806	33.19589	64.79878	0.006648	0.00538	0.005195	0.004342
578073.4	4137191	48.57787	32.79813	64.34243	0.00662	0.005358	0.005174	0.004324
578082.4	4137193	47.85104	32.18477	62.97282	0.00652	0.005277	0.005096	0.004259
577926.6	4137229	22.80673	27.8289	24.61477	0.003114	0.002519	0.002435	0.002033
577921.5	4137237	21.49052	27.59237	23.14569	0.002936	0.002374	0.002296	0.001917
577916.3	4137245	20.03001	27.12975	21.64489	0.002738	0.002214	0.002141	0.001787
577911.1	4137253	18.49226	26.47659	20.1977	0.002529	0.002045	0.001979	0.001651
577905.9	4137261	16.95927	25.71239	18.89993	0.002321	0.001876	0.001816	0.001515
577900.7	4137268	15.42644	24.79666	17.7298	0.002114	0.001708	0.001654	0.00138
577895.6	4137276	13.91197	23.71652	16.67137	0.001908	0.001541	0.001494	0.001245
577890.4	4137284	12.46199	22.51335	15.73109	0.001712	0.001382	0.00134	0.001117
577885.2	4137292	11.12896	21.2629	14.92623	0.001531	0.001235	0.001199	0.000999
577880	4137300	9.94231	20.01972	14.25242	0.00137	0.001105	0.001074	0.000893
577874.8	4137308	8.90408	18.79228	13.67412	0.001228	0.000991	0.000963	0.000801
577869.6	4137316	8.02427	17.61229	13.17215	0.001109	0.000894	0.00087	0.000723
577864.5	4137324	7.31929	16.54983	12.7575	0.001013	0.000816	0.000795	0.00066
577859.3	4137332	6.77139	15.5831	12.39125	0.000938	0.000755	0.000736	0.000611
577854.1	4137340	6.37261	14.71844	12.06227	0.000883	0.000711	0.000693	0.000576
577848.9	4137347	6.11386	13.96697	11.77125	0.000847	0.000682	0.000665	0.000552
577917.8	4137213	19.3389	23.44949	21.0424	0.002641	0.002136	0.002065	0.001724
577932.4	4137203	22.60991	25.08877	24.79103	0.003085	0.002496	0.002412	0.002015
577947	4137194	25.62794	26.16712	28.69199	0.003495	0.002828	0.002732	0.002283
578058.5	4137170	40.93545	29.02476	52.60227	0.005578	0.004515	0.004359	0.003643
578075.8	4137173	41.23115	28.71212	52.95072	0.005618	0.004547	0.00439	0.003669
577905.4	4137226	16.67436	22.18891	18.31554	0.002279	0.001843	0.001782	0.001488
577900.2	4137234	15.556	21.7569	17.28946	0.002127	0.00172	0.001664	0.001389
577895	4137242	14.37429	21.17716	16.27051	0.001967	0.00159	0.001539	0.001284
577889.8	4137250	13.16419	20.46696	15.29111	0.001803	0.001457	0.001411	0.001177
577884.7	4137258	11.96441	19.65396	14.3807	0.00164	0.001325	0.001284	0.001071
577879.5	4137266	10.82472	18.79782	13.58602	0.001486	0.0012	0.001164	0.00097
577874.3	4137274	9.74959	17.88762	12.87942	0.00134	0.001082	0.00105	0.000874
577869.1	4137282	8.75963	16.94645	12.25721	0.001206	0.000973	0.000945	0.000786
577863.9	4137289	7.87132	16.00389	11.71684	0.001085	0.000875	0.000851	0.000708
577858.7	4137297	7.10262	15.10713	11.26507	0.00098	0.000791	0.000769	0.000639
577853.6	4137305	6.44255	14.24172	10.8645	0.000891	0.000718	0.000699	0.000581
577848.4	4137313	5.89478	13.43437	10.51116	0.000816	0.000657	0.00064	0.000532
577843.2	4137321	5.45806	12.70409	10.20093	0.000756	0.000609	0.000594	0.000493
577838	4137329	5.12895	12.06523	9.9329	0.000711	0.000573	0.000559	0.000464
577832.8	4137337	4.89459	11.49965	9.68901	0.000679	0.000547	0.000533	0.000442
577902.1	4137203	15.41974	19.33331	16.93648	0.002106	0.001704	0.001647	0.001375
577909.8	4137197	16.78315	20.14812	18.362	0.002291	0.001854	0.001792	0.001496
577917.4	4137192	18.16058	20.89332	19.86582	0.002479	0.002005	0.001938	0.001619
577925.1	4137187	19.50405	21.53482	21.41202	0.002661	0.002153	0.00208	0.001738
577932.7	4137182	20.78409	22.0595	22.9665	0.002835	0.002294	0.002216	0.001852
577940.4	4137177	21.96976	22.45335	24.4839	0.002996	0.002424	0.002342	0.001957
577948	4137171	23.06936	22.74483	25.96371	0.003146	0.002546	0.002459	0.002054
577955.7	4137166	24.03484	22.90765	27.33382	0.003277	0.002652	0.002561	0.00214

577963.3	4137161	24.83911	22.93843	28.54225	0.003386	0.00274	0.002647	0.002212
577971	4137156	25.4629	22.8419	29.54276	0.003471	0.002809	0.002713	0.002267
577978.6	4137150	25.93811	22.65729	30.35686	0.003535	0.002861	0.002763	0.002309
578066.8	4137154	35.28477	25.48772	44.18439	0.004807	0.003891	0.003757	0.00314
578075.9	4137155	35.44584	25.38558	44.37962	0.004829	0.003909	0.003773	0.003154
578085	4137157	35.32123	25.14389	44.12448	0.004812	0.003895	0.00376	0.003143
578094.1	4137159	34.92365	24.77358	43.44141	0.004757	0.003851	0.003717	0.003107
577894.5	4137208	14.03118	18.44912	15.56052	0.001918	0.001551	0.0015	0.001252
577889.3	4137216	13.11374	18.08569	14.7268	0.001793	0.00145	0.001403	0.001171
577884.1	4137224	12.14009	17.57461	13.87075	0.001661	0.001343	0.0013	0.001084
577878.9	4137232	11.23197	17.07133	13.13808	0.001538	0.001243	0.001204	0.001004
577873.8	4137239	10.35695	16.54156	12.48119	0.00142	0.001147	0.001111	0.000927
577868.6	4137247	9.47878	15.92617	11.84939	0.0013	0.00105	0.001018	0.000849
577863.4	4137255	8.62486	15.26354	11.26217	0.001185	0.000957	0.000928	0.000773
577858.2	4137263	7.82485	14.57727	10.73775	0.001076	0.000869	0.000843	0.000702
577853	4137271	7.08844	13.87326	10.2747	0.000976	0.000788	0.000765	0.000637
577847.8	4137279	6.42273	13.17304	9.86783	0.000886	0.000714	0.000694	0.000578
577842.7	4137287	5.83663	12.50194	9.51	0.000806	0.00065	0.000632	0.000526
577837.5	4137295	5.33044	11.85638	9.19477	0.000737	0.000594	0.000578	0.000481
577832.3	4137303	4.90255	11.23547	8.91177	0.000679	0.000547	0.000533	0.000443
577827.1	4137311	4.54558	10.64597	8.63921	0.00063	0.000507	0.000495	0.000411
577821.9	4137318	4.2603	10.11044	8.38544	0.000591	0.000476	0.000464	0.000385
577816.8	4137326	4.05532	9.67966	8.18601	0.000563	0.000453	0.000442	0.000367
577885.8	4137192	12.24893	15.95803	13.6643	0.001674	0.001354	0.001309	0.001093
577900.7	4137182	14.49709	17.38262	15.92112	0.001979	0.001601	0.001548	0.001293
577915.6	4137172	16.72677	18.57413	18.33152	0.002282	0.001847	0.001784	0.00149
577923	4137167	17.73619	19.02237	19.52193	0.002419	0.001958	0.001891	0.00158
577937.9	4137157	19.53857	19.64563	21.76098	0.002664	0.002156	0.002083	0.00174
577945.4	4137152	20.33725	19.84381	22.81194	0.002773	0.002244	0.002167	0.001811
577960.2	4137141	21.61248	19.96622	24.60541	0.002946	0.002384	0.002302	0.001924
577975.1	4137131	22.39524	19.74475	25.83732	0.003052	0.00247	0.002385	0.001993
577873.2	4137205	10.4765	14.8357	12.0546	0.001433	0.001159	0.001121	0.000936
577868	4137213	9.74811	14.4291	11.45723	0.001335	0.001079	0.001044	0.000871
577862.9	4137221	9.00385	13.95999	10.86526	0.001234	0.000997	0.000966	0.000805
577857.7	4137229	8.27049	13.4533	10.30423	0.001134	0.000916	0.000888	0.00074
577852.5	4137237	7.59414	12.96705	9.82141	0.001042	0.000842	0.000816	0.00068
577847.3	4137245	6.95281	12.46781	9.38404	0.000956	0.000771	0.000748	0.000623
577842.1	4137253	6.33663	11.93427	8.97194	0.000872	0.000704	0.000683	0.000569
577836.9	4137261	5.77054	11.39807	8.6046	0.000795	0.000641	0.000623	0.000519
577831.8	4137268	5.26647	10.87863	8.28833	0.000727	0.000586	0.00057	0.000474
577826.6	4137276	4.81135	10.35696	7.99833	0.000665	0.000536	0.000521	0.000433
577821.4	4137284	4.4121	9.85046	7.73641	0.00061	0.000492	0.000479	0.000398
577816.2	4137292	4.09132	9.41352	7.53267	0.000567	0.000456	0.000445	0.000369
577811	4137300	3.82727	9.01528	7.35516	0.000531	0.000427	0.000417	0.000346
577805.9	4137308	3.60879	8.63908	7.18514	0.000501	0.000403	0.000393	0.000326
577800.7	4137316	3.4346	8.28666	7.02109	0.000477	0.000384	0.000375	0.000311
577870.1	4137181	10.03699	13.37118	11.39349	0.001372	0.00111	0.001073	0.000896
577877.8	4137176	10.93933	14.01998	12.24394	0.001495	0.001209	0.001169	0.000976
577885.5	4137171	11.86762	14.6386	13.1518	0.001621	0.001311	0.001268	0.001058
577893.3	4137166	12.81221	15.22043	14.11003	0.001749	0.001415	0.001368	0.001142
577901	4137160	13.75666	15.75622	15.10255	0.001878	0.001519	0.001468	0.001226
577908.7	4137155	14.68767	16.23671	16.1154	0.002004	0.001621	0.001567	0.001309
577916.5	4137150	15.56105	16.63422	17.10659	0.002123	0.001717	0.001659	0.001386
577924.2	4137145	16.35912	16.95481	18.05355	0.002231	0.001805	0.001744	0.001457
577931.9	4137139	17.10771	17.21651	18.96433	0.002333	0.001888	0.001823	0.001524
577939.7	4137134	17.79873	17.41805	19.83315	0.002427	0.001964	0.001897	0.001585
577947.4	4137129	18.39427	17.53559	20.61298	0.002507	0.002029	0.00196	0.001638
577955.1	4137123	18.88361	17.56805	21.28308	0.002574	0.002083	0.002012	0.001681
577962.9	4137118	19.27136	17.52632	21.84133	0.002626	0.002126	0.002053	0.001715
577970.6	4137113	19.55561	17.41831	22.27697	0.002665	0.002157	0.002083	0.001741

577978.3	4137108	19.73467	17.24973	22.57881	0.002689	0.002177	0.002102	0.001756
577995.3	4137104	20.78532	17.52355	24.0378	0.002832	0.002292	0.002213	0.00185
577862.3	4137187	9.16931	12.70466	10.59983	0.001254	0.001014	0.000981	0.000819
577857.1	4137195	8.6012	12.40112	10.13871	0.001177	0.000952	0.000921	0.000769
577852	4137203	8.0219	12.06568	9.68238	0.001099	0.000888	0.00086	0.000717
577846.8	4137210	7.43697	11.69497	9.23183	0.001019	0.000824	0.000798	0.000665
577841.6	4137218	6.86368	11.29663	8.80119	0.000942	0.000761	0.000737	0.000615
577836.4	4137226	6.31108	10.87991	8.39817	0.000867	0.0007	0.000679	0.000566
577831.2	4137234	5.79298	10.46179	8.03446	0.000796	0.000643	0.000624	0.00052
577826	4137242	5.30043	10.02773	7.69386	0.00073	0.000589	0.000572	0.000476
577820.9	4137250	4.84111	9.58407	7.37954	0.000667	0.000538	0.000523	0.000435
577815.7	4137258	4.42647	9.14789	7.10015	0.000611	0.000493	0.000479	0.000398
577810.5	4137266	4.07401	8.75355	6.8745	0.000563	0.000454	0.000442	0.000367
577805.3	4137274	3.75951	8.36446	6.66691	0.00052	0.000419	0.000408	0.000339
577800.1	4137282	3.4828	7.98504	6.47246	0.000482	0.000389	0.000379	0.000314
577795	4137289	3.25139	7.63778	6.30051	0.000451	0.000363	0.000354	0.000294
577789.8	4137297	3.07532	7.3534	6.1694	0.000427	0.000344	0.000335	0.000278
577784.6	4137305	2.92835	7.08303	6.03658	0.000407	0.000327	0.00032	0.000265
577853.8	4137171	8.27365	11.2731	9.5798	0.001132	0.000915	0.000885	0.000739
577861.3	4137166	8.9815	11.8083	10.22873	0.001228	0.000993	0.00096	0.000802
577868.9	4137161	9.71565	12.33216	10.91973	0.001328	0.001074	0.001038	0.000867
577876.4	4137156	10.46933	12.84126	11.65015	0.00143	0.001157	0.001118	0.000934
577884	4137150	11.22922	13.32626	12.4114	0.001533	0.00124	0.001199	0.001001
577891.5	4137145	11.98781	13.76285	13.19049	0.001636	0.001324	0.001279	0.001068
577899.1	4137140	12.72818	14.16065	13.9778	0.001737	0.001405	0.001358	0.001134
577906.6	4137135	13.44213	14.5164	14.76201	0.001834	0.001484	0.001434	0.001198
577914.2	4137130	14.12976	14.83241	15.5362	0.001927	0.001559	0.001506	0.001259
577921.7	4137125	14.76693	15.09147	16.27567	0.002014	0.001629	0.001574	0.001315
577929.3	4137120	15.35881	15.30231	16.97941	0.002094	0.001695	0.001637	0.001368
577936.8	4137114	15.89774	15.46184	17.63774	0.002167	0.001754	0.001694	0.001415
577944.4	4137109	16.36935	15.56237	18.23297	0.002231	0.001806	0.001744	0.001457
577951.9	4137104	16.73798	15.58441	18.72131	0.002281	0.001846	0.001783	0.00149
577959.5	4137099	17.03423	15.55343	19.1309	0.002321	0.001879	0.001814	0.001516
577967	4137094	17.25782	15.47383	19.45603	0.002352	0.001903	0.001838	0.001536
577974.6	4137089	17.40621	15.34891	19.68879	0.002372	0.00192	0.001853	0.001549
577846.2	4137176	7.5915	10.72513	8.96706	0.001039	0.00084	0.000813	0.000678
577841.1	4137184	7.12858	10.45645	8.60395	0.000976	0.000789	0.000764	0.000637
577835.9	4137192	6.66475	10.16598	8.24855	0.000913	0.000738	0.000715	0.000596
577830.7	4137200	6.20719	9.86172	7.90653	0.000851	0.000688	0.000666	0.000556
577825.5	4137208	5.76189	9.5489	7.58156	0.000791	0.000639	0.000619	0.000516
577820.3	4137216	5.32947	9.22463	7.2713	0.000732	0.000591	0.000573	0.000478
577815.1	4137224	4.91701	8.89548	6.98064	0.000676	0.000546	0.00053	0.000441
577810	4137232	4.5318	8.57023	6.71257	0.000624	0.000503	0.000489	0.000407
577804.8	4137239	4.16984	8.24211	6.46476	0.000575	0.000464	0.000451	0.000375
577799.6	4137247	3.8348	7.90283	6.23376	0.000529	0.000427	0.000415	0.000345
577794.4	4137255	3.53035	7.55748	6.02156	0.000488	0.000393	0.000383	0.000318
577789.2	4137263	3.26533	7.23144	5.83737	0.000452	0.000364	0.000355	0.000295
577784.1	4137271	3.03667	6.92535	5.67495	0.000421	0.000339	0.00033	0.000274
577778.9	4137279	2.84039	6.63773	5.52688	0.000394	0.000317	0.000309	0.000257
577773.7	4137287	2.67606	6.37388	5.39175	0.000371	0.000299	0.000292	0.000242
577768.5	4137295	2.5446	6.142	5.27226	0.000353	0.000284	0.000278	0.00023
577837.9	4137160	6.92618	9.62072	8.16598	0.000948	0.000766	0.000741	0.000619
577845.7	4137155	7.52221	10.09253	8.70366	0.001029	0.000832	0.000805	0.000672
577853.5	4137150	8.14401	10.55994	9.27826	0.001113	0.0009	0.000871	0.000727
577861.3	4137144	8.78143	11.01073	9.88165	0.0012	0.00097	0.000938	0.000783
577869.1	4137139	9.43546	11.4491	10.5183	0.001289	0.001042	0.001008	0.000841
577876.9	4137134	10.09627	11.86616	11.17746	0.001378	0.001115	0.001078	0.0009
577884.7	4137128	10.75068	12.25211	11.84689	0.001467	0.001187	0.001147	0.000958
577892.5	4137123	11.37851	12.59254	12.50815	0.001553	0.001256	0.001214	0.001014
577900.3	4137118	11.99383	12.90678	13.17042	0.001636	0.001324	0.001279	0.001068

577908	4137113	12.59028	13.19156	13.82441	0.001717	0.001389	0.001342	0.001121
577915.8	4137107	13.15104	13.43495	14.45252	0.001793	0.001451	0.001402	0.001171
577923.6	4137102	13.66018	13.6274	15.03856	0.001862	0.001507	0.001456	0.001216
577931.4	4137097	14.12338	13.77588	15.58404	0.001925	0.001558	0.001505	0.001257
577939.2	4137091	14.53432	13.87745	16.08079	0.001981	0.001603	0.001548	0.001294
577947	4137086	14.86985	13.91948	16.50357	0.002027	0.00164	0.001584	0.001324
577954.8	4137081	15.13048	13.9066	16.84605	0.002062	0.001669	0.001611	0.001347
577996.7	4137068	16.8819	14.34324	19.14507	0.0023	0.001862	0.001797	0.001502
578006	4137070	17.52291	14.67556	19.9604	0.002387	0.001932	0.001865	0.001559
578015.2	4137072	18.13392	14.98765	20.73576	0.00247	0.001999	0.00193	0.001613
578024.5	4137073	18.70598	15.26737	21.46081	0.002548	0.002062	0.001991	0.001664
577830.2	4137166	6.36065	9.15171	7.66655	0.000871	0.000704	0.000681	0.000568
577825	4137174	5.98254	8.91965	7.37866	0.00082	0.000662	0.000641	0.000535
577819.8	4137181	5.60375	8.66973	7.09344	0.000768	0.000621	0.000601	0.000501
577814.6	4137189	5.229	8.40604	6.81328	0.000717	0.000579	0.000562	0.000468
577809.4	4137197	4.86389	8.13454	6.54284	0.000668	0.000539	0.000523	0.000436
577804.2	4137205	4.51734	7.86841	6.29314	0.000621	0.000501	0.000486	0.000405
577799.1	4137213	4.18999	7.60478	6.06231	0.000576	0.000465	0.000452	0.000376
577793.9	4137221	3.88384	7.34434	5.85161	0.000535	0.000432	0.000419	0.000349
577788.7	4137229	3.60589	7.10236	5.67378	0.000497	0.000401	0.00039	0.000324
577783.5	4137237	3.34772	6.86663	5.50591	0.000462	0.000373	0.000362	0.000301
577778.3	4137245	3.09863	6.60491	5.33102	0.000428	0.000345	0.000336	0.000279
577773.2	4137253	2.8734	6.33134	5.16819	0.000398	0.00032	0.000312	0.000259
577768	4137260	2.67746	6.07279	5.02439	0.000371	0.000299	0.000291	0.000242
577762.8	4137268	2.51295	5.83913	4.90184	0.000348	0.000281	0.000274	0.000227
577757.6	4137276	2.37689	5.63056	4.7963	0.00033	0.000266	0.000259	0.000215
577752.4	4137284	2.26	5.43221	4.69182	0.000314	0.000253	0.000247	0.000205
577821.7	4137150	5.83537	8.25895	7.01382	0.000799	0.000646	0.000625	0.000521
577829.3	4137145	6.3111	8.64924	7.43402	0.000863	0.000698	0.000675	0.000564
577836.9	4137140	6.80981	9.04133	7.8839	0.000931	0.000753	0.000728	0.000608
577844.6	4137134	7.32848	9.43075	8.36294	0.001002	0.00081	0.000783	0.000654
577852.2	4137129	7.86087	9.81069	8.86672	0.001074	0.000869	0.00084	0.000701
577859.8	4137124	8.39618	10.17022	9.38489	0.001147	0.000927	0.000897	0.000749
577867.5	4137119	8.93718	10.5157	9.92149	0.00122	0.000987	0.000954	0.000797
577875.1	4137114	9.47769	10.84357	10.46962	0.001294	0.001047	0.001011	0.000845
577882.7	4137108	10.01373	11.15238	11.02389	0.001366	0.001106	0.001068	0.000892
577890.3	4137103	10.52734	11.42779	11.56432	0.001436	0.001162	0.001123	0.000938
577898	4137098	11.02835	11.68263	12.09984	0.001504	0.001217	0.001176	0.000982
577905.6	4137093	11.50947	11.91217	12.6211	0.00157	0.00127	0.001227	0.001025
577913.2	4137088	11.9668	12.11377	13.12154	0.001632	0.00132	0.001275	0.001066
577920.8	4137082	12.37144	12.26655	13.57629	0.001687	0.001365	0.001318	0.001102
577928.5	4137077	12.73987	12.38513	13.99788	0.001737	0.001405	0.001357	0.001134
577936.1	4137072	13.06246	12.46467	14.3769	0.00178	0.001441	0.001391	0.001163
577943.7	4137067	13.34137	12.50751	14.71289	0.001818	0.001472	0.001421	0.001188
577951.3	4137061	13.54692	12.49772	14.9758	0.001846	0.001494	0.001443	0.001206
577959	4137056	13.70742	12.45578	15.18665	0.001868	0.001512	0.00146	0.00122
577966.6	4137051	13.82111	12.38329	15.34365	0.001883	0.001524	0.001472	0.00123
577983.3	4137048	14.46182	12.60382	16.15587	0.00197	0.001595	0.00154	0.001287
577992.3	4137049	15.01978	12.90793	16.85108	0.002046	0.001656	0.001599	0.001336
578001.4	4137051	15.5554	13.19426	17.51849	0.002119	0.001715	0.001656	0.001384
578010.5	4137053	16.06651	13.46372	18.15353	0.002188	0.001771	0.00171	0.001429
578019.6	4137054	16.55	13.71658	18.75211	0.002254	0.001825	0.001761	0.001472
578028.6	4137056	17.00212	13.92147	19.31121	0.002316	0.001875	0.001809	0.001513
577814.1	4137155	5.38699	7.87718	6.6249	0.000738	0.000596	0.000577	0.000482
577808.9	4137163	5.07607	7.67817	6.39408	0.000696	0.000562	0.000544	0.000454
577803.7	4137171	4.76446	7.46436	6.16285	0.000653	0.000528	0.000512	0.000426
577798.5	4137179	4.45707	7.24106	5.93464	0.000612	0.000494	0.000479	0.000399
577793.3	4137187	4.15781	7.01266	5.7127	0.000571	0.000461	0.000447	0.000373
577788.2	4137195	3.88253	6.80497	5.51746	0.000534	0.000431	0.000418	0.000348
577783	4137203	3.62471	6.60657	5.34061	0.000499	0.000403	0.000391	0.000325

577777.8	4137210	3.38153	6.40963	5.17788	0.000466	0.000376	0.000365	0.000304
577772.6	4137218	3.15315	6.21216	5.02881	0.000435	0.000351	0.000341	0.000284
577767.4	4137226	2.94051	6.01583	4.89	0.000406	0.000327	0.000318	0.000265
577762.3	4137234	2.73979	5.81323	4.74982	0.000379	0.000305	0.000297	0.000247
577757.1	4137242	2.55915	5.60595	4.62382	0.000354	0.000285	0.000278	0.000231
577751.9	4137250	2.39951	5.40568	4.51141	0.000332	0.000268	0.000261	0.000217
577746.7	4137258	2.25996	5.21479	4.40988	0.000313	0.000252	0.000246	0.000204
577741.5	4137266	2.13938	5.03521	4.31628	0.000297	0.000239	0.000233	0.000193
577736.4	4137274	2.03504	4.86474	4.22498	0.000283	0.000227	0.000222	0.000184
577805.5	4137139	4.98188	7.17117	6.10588	0.000682	0.000551	0.000534	0.000445
577813	4137134	5.36081	7.4878	6.43291	0.000734	0.000593	0.000574	0.000479
577820.5	4137129	5.75591	7.80436	6.77897	0.000787	0.000637	0.000616	0.000514
577828	4137124	6.17458	8.1301	7.15531	0.000844	0.000683	0.00066	0.000551
577835.4	4137119	6.61066	8.45679	7.55715	0.000903	0.000731	0.000707	0.00059
577842.9	4137114	7.05663	8.77579	7.9776	0.000964	0.00078	0.000754	0.000629
577850.4	4137109	7.5083	9.08394	8.41314	0.001025	0.000829	0.000802	0.00067
577865.4	4137099	8.41608	9.66165	9.31605	0.001149	0.000929	0.000898	0.00075
577872.9	4137093	8.8661	9.92969	9.77578	0.00121	0.000979	0.000946	0.00079
577880.4	4137088	9.30768	10.18067	10.23308	0.00127	0.001027	0.000993	0.000829
577887.9	4137083	9.7322	10.40806	10.67783	0.001328	0.001074	0.001038	0.000867
577895.4	4137078	10.14078	10.61501	11.11017	0.001383	0.001119	0.001081	0.000903
577902.8	4137073	10.52715	10.79768	11.52344	0.001435	0.001162	0.001122	0.000938
577910.3	4137068	10.89334	10.9587	11.91895	0.001485	0.001202	0.001161	0.00097
577917.8	4137063	11.22195	11.08487	12.27943	0.00153	0.001238	0.001196	0.000999
577925.3	4137058	11.51701	11.18073	12.60847	0.00157	0.00127	0.001227	0.001025
577932.8	4137053	11.78353	11.2512	12.91066	0.001606	0.0013	0.001255	0.001049
577940.3	4137048	12.01821	11.29405	13.18124	0.001638	0.001326	0.00128	0.00107
577955.3	4137037	12.33161	11.26538	13.56719	0.00168	0.00136	0.001313	0.001097
577962.8	4137032	12.42689	11.20918	13.69227	0.001693	0.00137	0.001323	0.001106
577979.2	4137029	12.97383	11.41061	14.3679	0.001767	0.001431	0.001381	0.001154
577988.1	4137030	13.44721	11.67558	14.94639	0.001832	0.001483	0.001431	0.001196
577997	4137032	13.90338	11.92624	15.50449	0.001894	0.001533	0.00148	0.001237
578005.9	4137034	14.33828	12.16206	16.0352	0.001953	0.001581	0.001526	0.001276
578014.8	4137035	14.75305	12.38542	16.53893	0.002009	0.001627	0.00157	0.001313
578023.7	4137037	15.14334	12.59435	17.01102	0.002062	0.00167	0.001612	0.001347
578032.6	4137039	15.50881	12.71938	17.45284	0.002112	0.00171	0.00165	0.00138
577798	4137145	4.61873	6.85416	5.79449	0.000633	0.000511	0.000495	0.000413
577792.8	4137152	4.35745	6.67882	5.6029	0.000597	0.000483	0.000468	0.00039
577787.6	4137160	4.11315	6.51879	5.43148	0.000564	0.000456	0.000442	0.000368
577782.4	4137168	3.87117	6.35196	5.2609	0.000531	0.000429	0.000416	0.000347
577777.3	4137176	3.63393	6.17973	5.09217	0.000499	0.000403	0.000391	0.000326
577772.1	4137184	3.40411	6.00461	4.92794	0.000468	0.000378	0.000367	0.000305
577766.9	4137192	3.1838	5.82758	4.77013	0.000438	0.000354	0.000343	0.000286
577761.7	4137200	2.97638	5.6528	4.62341	0.00041	0.000331	0.000321	0.000267
577756.5	4137208	2.78184	5.478	4.48682	0.000384	0.000309	0.000301	0.00025
577751.4	4137216	2.60131	5.3037	4.361	0.000359	0.00029	0.000282	0.000234
577746.2	4137224	2.43563	5.13071	4.246	0.000337	0.000271	0.000264	0.000219
577741	4137231	2.28568	4.96201	4.14288	0.000316	0.000255	0.000248	0.000206
577735.8	4137239	2.1521	4.80072	4.05162	0.000298	0.00024	0.000234	0.000194
577730.6	4137247	2.0339	4.64594	3.96859	0.000282	0.000227	0.000221	0.000184
577725.5	4137255	1.93061	4.49882	3.89176	0.000268	0.000216	0.00021	0.000175
577720.3	4137263	1.84194	4.36155	3.81998	0.000256	0.000206	0.000201	0.000167
577789.6	4137129	4.32292	6.31062	5.39546	0.000592	0.000479	0.000463	0.000387
577797.3	4137124	4.63631	6.28849	5.65873	0.000634	0.000513	0.000496	0.000414
577805	4137118	4.97613	6.51548	5.95166	0.000681	0.00055	0.000532	0.000444
577812.6	4137113	5.32861	6.71051	6.26041	0.000728	0.000589	0.00057	0.000476
577820.3	4137108	5.69231	6.9338	6.58549	0.000778	0.000629	0.000608	0.000508
577828	4137103	6.07794	7.49546	6.94104	0.00083	0.000672	0.000649	0.000542
577835.7	4137097	6.4761	7.97266	7.31738	0.000885	0.000716	0.000692	0.000578
577843.4	4137092	6.87793	8.24662	7.70526	0.000939	0.00076	0.000734	0.000613

577851.1	4137087	7.27963	8.50861	8.10087	0.000994	0.000804	0.000777	0.000649
577858.7	4137082	7.67946	8.7582	8.50118	0.001048	0.000848	0.00082	0.000684
577866.4	4137076	8.07307	8.99378	8.90107	0.001102	0.000891	0.000861	0.000719
577874.1	4137071	8.45496	9.21141	9.29331	0.001154	0.000933	0.000902	0.000753
577881.8	4137066	8.82433	9.41231	9.67603	0.001204	0.000974	0.000941	0.000786
577889.5	4137061	9.17663	9.59367	10.04392	0.001252	0.001013	0.000978	0.000817
577897.2	4137055	9.51273	9.75764	10.39709	0.001297	0.00105	0.001014	0.000847
577904.8	4137050	9.83288	9.90514	10.73596	0.001341	0.001085	0.001048	0.000876
577912.5	4137045	10.13147	10.03078	11.05449	0.001381	0.001118	0.001079	0.000902
577920.2	4137040	10.38915	10.12012	11.33337	0.001416	0.001146	0.001107	0.000925
577927.9	4137034	10.62566	10.19021	11.59293	0.001448	0.001172	0.001132	0.000946
577935.6	4137029	10.84033	10.24013	11.832	0.001477	0.001196	0.001155	0.000965
577943.3	4137024	11.02906	10.26707	12.04395	0.001503	0.001216	0.001174	0.000982
577950.9	4137019	11.14808	10.24507	12.18875	0.001519	0.001229	0.001187	0.000992
577958.6	4137013	11.23525	10.20092	12.29735	0.001531	0.001239	0.001196	0.001
577975.4	4137010	11.7244	10.39114	12.88786	0.001597	0.001293	0.001248	0.001043
577984.6	4137012	12.14503	10.63187	13.39312	0.001654	0.001339	0.001293	0.001081
577993.7	4137013	12.55094	10.8598	13.88133	0.00171	0.001384	0.001336	0.001117
578002.9	4137015	12.94048	11.07604	14.34873	0.001763	0.001427	0.001377	0.001151
578012	4137017	13.31095	11.28028	14.79096	0.001813	0.001468	0.001417	0.001184
578021.2	4137019	13.66121	11.47271	15.20681	0.001861	0.001506	0.001454	0.001215
578030.3	4137020	13.98908	11.61518	15.59497	0.001905	0.001542	0.001489	0.001244
578039.4	4137022	14.30718	11.7282	15.89208	0.001948	0.001577	0.001522	0.001273
577781.9	4137134	4.03373	6.06628	5.15785	0.000553	0.000447	0.000433	0.000361
577776.7	4137142	3.82411	5.93191	5.01269	0.000524	0.000424	0.000411	0.000342
577771.5	4137150	3.61422	5.78932	4.86551	0.000496	0.000401	0.000388	0.000324
577766.4	4137158	3.40815	5.64352	4.71983	0.000468	0.000378	0.000367	0.000305
577761.2	4137166	3.20529	5.49163	4.57322	0.000441	0.000356	0.000345	0.000287
577756	4137174	3.00568	5.33059	4.42355	0.000413	0.000334	0.000324	0.00027
577750.8	4137181	2.816	5.17138	4.28109	0.000388	0.000313	0.000304	0.000253
577745.6	4137189	2.6376	5.01516	4.14791	0.000363	0.000293	0.000285	0.000237
577740.5	4137197	2.47137	4.86233	4.02535	0.000341	0.000275	0.000267	0.000222
577735.3	4137205	2.31856	4.71494	3.91554	0.00032	0.000258	0.000251	0.000209
577730.1	4137213	2.17686	4.5669	3.8136	0.000301	0.000242	0.000236	0.000196
577724.9	4137221	2.04825	4.42264	3.72203	0.000283	0.000228	0.000222	0.000185
577719.7	4137229	1.93328	4.28499	3.64136	0.000268	0.000216	0.00021	0.000175
577714.6	4137237	1.83123	4.15361	3.56911	0.000254	0.000204	0.000199	0.000165
577709.4	4137245	1.74129	4.02809	3.50248	0.000242	0.000194	0.00019	0.000157
577704.2	4137253	1.66304	3.90916	3.43964	0.000231	0.000186	0.000181	0.00015
577773.4	4137118	3.80899	5.63776	4.84156	0.000522	0.000422	0.000409	0.000341
577780.9	4137113	4.06207	5.84792	5.04838	0.000556	0.00045	0.000435	0.000363
577788.5	4137108	4.31927	5.47112	4.96033	0.00059	0.000477	0.000462	0.000385
577796.1	4137103	4.36824	5.56783	4.70578	0.000597	0.000483	0.000467	0.00039
577803.6	4137098	4.6775	5.84221	5.03113	0.000639	0.000517	0.0005	0.000417
577811.2	4137093	4.98659	6.09874	5.32144	0.000681	0.000551	0.000532	0.000445
577818.7	4137087	5.29285	6.33646	5.57609	0.000722	0.000584	0.000565	0.000472
577826.3	4137082	5.62049	6.59187	5.90983	0.000767	0.00062	0.0006	0.000501
577833.9	4137077	6.20841	6.87806	6.50198	0.000847	0.000685	0.000662	0.000553
577841.4	4137072	6.55065	7.36932	7.30444	0.000894	0.000723	0.000699	0.000584
577849	4137067	6.88714	7.78598	7.63793	0.00094	0.00076	0.000735	0.000614
577856.5	4137062	7.2187	8.08345	7.97083	0.000985	0.000797	0.00077	0.000643
577864.1	4137056	7.54423	8.27412	8.3012	0.001029	0.000833	0.000805	0.000672
577871.6	4137051	7.85963	8.45158	8.62385	0.001072	0.000867	0.000838	0.0007
577879.2	4137046	8.16474	8.61654	8.93757	0.001114	0.000901	0.00087	0.000727
577886.8	4137041	8.45648	8.76727	9.23891	0.001153	0.000933	0.000901	0.000753
577894.3	4137036	8.73443	8.90403	9.52696	0.001191	0.000964	0.000931	0.000778
577901.9	4137031	8.99516	9.02404	9.79824	0.001226	0.000992	0.000958	0.000801
577909.4	4137026	9.23765	9.12693	10.05213	0.001259	0.001019	0.000984	0.000822
577917	4137020	9.4592	9.21056	10.28593	0.001289	0.001043	0.001008	0.000842
577924.6	4137015	9.66416	9.27869	10.50477	0.001317	0.001066	0.001029	0.00086

577932.1	4137010	9.85454	9.33211	10.71023	0.001343	0.001087	0.001049	0.000877
577939.7	4137005	10.02675	9.36748	10.89744	0.001366	0.001106	0.001068	0.000892
577947.2	4137000	10.14724	9.36395	11.03245	0.001383	0.001119	0.00108	0.000903
577954.8	4136995	10.2177	9.32665	11.11883	0.001392	0.001127	0.001088	0.000909
577971.3	4136991	10.63109	9.49346	11.60854	0.001448	0.001172	0.001132	0.000946
577980.3	4136993	10.99223	9.70449	12.03532	0.001497	0.001212	0.00117	0.000978
577989.3	4136994	11.34174	9.90493	12.44941	0.001545	0.001251	0.001207	0.001009
577998.3	4136996	11.67739	10.09507	12.84638	0.001591	0.001287	0.001243	0.001039
578007.3	4136998	12.00038	10.27694	13.22647	0.001634	0.001323	0.001277	0.001068
578016.3	4137000	12.31049	10.45122	13.58901	0.001677	0.001357	0.00131	0.001095
578025.3	4137001	12.60365	10.61123	13.93011	0.001716	0.001389	0.001341	0.001121
578034.3	4137003	12.88022	10.71483	14.25108	0.001754	0.00142	0.001371	0.001146
578043.3	4137005	12.93105	10.83318	14.45027	0.001761	0.001426	0.001376	0.00115
578052.3	4137006	13.14556	10.96331	14.70339	0.00179	0.001449	0.001399	0.001169
577765.8	4137123	3.56357	5.42512	4.64019	0.000489	0.000395	0.000382	0.000319
577760.6	4137131	3.37736	5.29703	4.50864	0.000463	0.000374	0.000363	0.000302
577755.5	4137139	3.18971	5.15793	4.37103	0.000438	0.000354	0.000343	0.000286
577750.3	4137147	3.00811	5.01968	4.23678	0.000413	0.000334	0.000324	0.00027
577745.1	4137155	2.83305	4.88281	4.10621	0.000389	0.000314	0.000305	0.000254
577739.9	4137163	2.6659	4.74836	3.98068	0.000367	0.000296	0.000287	0.000239
577734.7	4137171	2.50651	4.61526	3.86027	0.000345	0.000278	0.000271	0.000225
577729.6	4137179	2.35404	4.48015	3.74348	0.000324	0.000262	0.000254	0.000212
577724.4	4137187	2.21027	4.34519	3.63315	0.000305	0.000246	0.000239	0.000199
577719.2	4137195	2.0767	4.21281	3.53184	0.000287	0.000231	0.000225	0.000187
577714	4137202	1.95517	4.0864	3.44217	0.00027	0.000218	0.000212	0.000176
577708.8	4137210	1.84539	3.96594	3.36351	0.000255	0.000206	0.0002	0.000166
577703.7	4137218	1.74677	3.85068	3.29412	0.000242	0.000195	0.00019	0.000158
577698.5	4137226	1.65727	3.73658	3.22926	0.00023	0.000185	0.00018	0.00015
577693.3	4137234	1.57736	3.62584	3.1686	0.000219	0.000176	0.000172	0.000143
577688.1	4137242	1.50803	3.52281	3.11346	0.000209	0.000169	0.000164	0.000136
577757.5	4137108	3.37907	5.06052	4.3677	0.000463	0.000374	0.000363	0.000302
577765.2	4137102	3.61558	5.26897	4.56582	0.000495	0.0004	0.000388	0.000323
577772.9	4137097	3.85073	5.46227	4.75827	0.000527	0.000426	0.000413	0.000344
577780.7	4137092	4.0931	5.65415	4.95876	0.00056	0.000453	0.000438	0.000366
577788.4	4137087	4.34167	5.24094	4.71715	0.000593	0.00048	0.000464	0.000387
577796.1	4137081	4.39428	5.41953	4.64844	0.0006	0.000485	0.000469	0.000392
577803.8	4137076	4.66762	5.63877	4.86827	0.000637	0.000515	0.000498	0.000416
577811.6	4137071	4.93947	5.84501	5.05734	0.000674	0.000545	0.000527	0.00044
577819.3	4137065	5.20284	6.03182	5.3134	0.00071	0.000574	0.000555	0.000463
577827	4137060	5.49163	6.2456	5.62184	0.000749	0.000606	0.000585	0.000489
577834.8	4137055	5.80146	6.47884	6.00286	0.000791	0.00064	0.000618	0.000517
577842.5	4137050	6.10093	6.69331	6.40059	0.000832	0.000673	0.00065	0.000543
577850.2	4137044	6.39049	6.89176	6.78234	0.000871	0.000705	0.000681	0.000569
577857.9	4137039	6.9133	7.09136	7.21544	0.000942	0.000763	0.000736	0.000615
577865.7	4137034	7.19236	7.44342	7.88606	0.000981	0.000794	0.000767	0.000641
577873.4	4137029	7.45918	7.76404	8.15735	0.001017	0.000823	0.000795	0.000664
577881.1	4137023	7.71377	7.99165	8.41682	0.001052	0.000851	0.000822	0.000687
577888.9	4137018	7.9567	8.11337	8.66469	0.001085	0.000878	0.000848	0.000709
577896.6	4137013	8.18518	8.22155	8.89835	0.001116	0.000903	0.000872	0.000729
577904.3	4137008	8.40225	8.31881	9.12113	0.001145	0.000927	0.000895	0.000748
577912	4137002	8.60516	8.4027	9.33053	0.001173	0.000949	0.000917	0.000766
577919.8	4136997	8.7972	8.47603	9.53045	0.001199	0.00097	0.000937	0.000783
577927.5	4136992	8.97365	8.53443	9.71589	0.001223	0.00099	0.000956	0.000799
577935.2	4136986	9.13411	8.57614	9.88599	0.001245	0.001007	0.000973	0.000813
577942.9	4136981	9.27011	8.59503	10.02781	0.001263	0.001022	0.000987	0.000825
577950.7	4136976	9.32658	8.56021	10.0974	0.001271	0.001028	0.000993	0.00083
577967.6	4136972	9.69372	8.713	10.52416	0.00132	0.001069	0.001032	0.000863
577976.8	4136974	10.01937	8.90686	10.90325	0.001365	0.001105	0.001066	0.000891
577986	4136976	10.33484	9.09125	11.27162	0.001408	0.001139	0.0011	0.000919
577995.2	4136977	10.63842	9.26634	11.62564	0.001449	0.001173	0.001132	0.000946

578004.4	4136979	10.92976	9.43325	11.96373	0.001489	0.001205	0.001163	0.000972
578013.6	4136981	11.21165	9.59476	12.28872	0.001527	0.001236	0.001193	0.000997
578022.8	4136983	11.47938	9.74628	12.59543	0.001563	0.001266	0.001222	0.001021
578032	4136984	11.73285	9.85281	12.88463	0.001598	0.001293	0.001248	0.001044
578041.2	4136986	11.97586	9.95859	13.08171	0.001631	0.00132	0.001274	0.001065
578050.4	4136988	11.99532	10.08278	13.30158	0.001634	0.001322	0.001276	0.001067
578059.5	4136990	12.17602	10.19526	13.51295	0.001658	0.001342	0.001296	0.001083
578169.9	4137010	12.89896	10.31553	14.11333	0.001756	0.001422	0.001372	0.001147
578179.1	4137012	12.74037	10.13655	13.89324	0.001734	0.001404	0.001355	0.001133
578188.3	4137014	12.55989	9.95534	13.64577	0.00171	0.001384	0.001336	0.001117
578197.5	4137015	12.35548	9.79385	13.37035	0.001682	0.001362	0.001314	0.001099
577749.8	4137113	3.15021	4.84892	4.17268	0.000432	0.000349	0.000338	0.000282
577744.6	4137121	2.98579	4.72834	4.05339	0.00041	0.000331	0.000321	0.000267
577739.4	4137129	2.82548	4.60724	3.93564	0.000388	0.000313	0.000304	0.000253
577734.2	4137137	2.66967	4.48579	3.8191	0.000367	0.000296	0.000287	0.000239
577729	4137145	2.5178	4.36271	3.70283	0.000346	0.000279	0.000271	0.000226
577723.8	4137152	2.37215	4.241	3.58979	0.000326	0.000263	0.000256	0.000213
577718.7	4137160	2.235	4.12406	3.48351	0.000308	0.000248	0.000241	0.000201
577713.5	4137168	2.10606	4.01069	3.384	0.00029	0.000234	0.000228	0.000189
577708.3	4137176	1.98308	3.79763	3.28826	0.000273	0.000221	0.000214	0.000178
577703.1	4137184	1.8687	3.30911	3.20014	0.000258	0.000208	0.000202	0.000168
577697.9	4137192	1.76217	2.87085	2.65193	0.000242	0.000196	0.00019	0.000158
577692.8	4137200	1.58057	2.73837	2.42498	0.000217	0.000176	0.00017	0.000142
577687.6	4137208	1.50062	2.63382	2.33504	0.000207	0.000167	0.000162	0.000135
577682.4	4137216	1.42831	2.53324	2.25215	0.000197	0.000159	0.000154	0.000128
577677.2	4137224	1.3636	2.43759	2.20303	0.000188	0.000152	0.000147	0.000123
577672	4137231	1.30511	2.34171	2.09719	0.00018	0.000145	0.000141	0.000117
577741.3	4137097	2.98694	4.52524	3.92609	0.00041	0.000331	0.000321	0.000267
577748.9	4137092	3.18956	4.70954	4.09728	0.000437	0.000353	0.000342	0.000285
577756.5	4137087	3.40504	4.90104	4.28	0.000466	0.000377	0.000365	0.000304
577764.1	4137082	3.62956	5.09369	4.4707	0.000497	0.000402	0.000389	0.000324
577771.7	4137076	3.84653	5.2651	4.65094	0.000526	0.000425	0.000412	0.000344
577779.3	4137071	4.06977	5.43529	4.83947	0.000557	0.00045	0.000435	0.000363
577787	4137066	4.29886	5.18658	5.03678	0.000587	0.000475	0.000459	0.000384
577794.6	4137061	4.35418	5.23625	4.65701	0.000594	0.000481	0.000465	0.000388
577802.2	4137056	4.58673	5.40776	4.81331	0.000626	0.000506	0.000489	0.000409
577809.8	4137050	4.81038	5.56172	4.93111	0.000656	0.000531	0.000513	0.000429
577817.4	4137045	5.02221	5.69793	5.13578	0.000685	0.000554	0.000535	0.000447
577825	4137040	5.23982	5.84032	5.36188	0.000715	0.000578	0.000559	0.000467
577832.6	4137035	5.49652	6.02756	5.65213	0.000749	0.000606	0.000586	0.000489
577840.3	4137030	5.74676	6.2037	5.93831	0.000784	0.000634	0.000612	0.000512
577847.9	4137024	5.98519	6.36412	6.21236	0.000816	0.00066	0.000638	0.000533
577855.5	4137019	6.21956	6.51891	6.48369	0.000848	0.000686	0.000663	0.000554
577863.1	4137014	6.45268	6.6723	6.77806	0.00088	0.000712	0.000687	0.000574
577870.7	4137009	6.67007	6.80994	7.04868	0.000909	0.000736	0.000711	0.000594
577878.3	4137004	6.87647	6.93814	7.32326	0.000937	0.000759	0.000733	0.000612
577885.9	4136999	7.08383	7.06969	7.59115	0.000966	0.000781	0.000755	0.000631
577893.5	4136993	7.53177	7.29504	8.16813	0.001027	0.000831	0.000802	0.00067
577901.2	4136988	7.71871	7.60268	8.35699	0.001052	0.000851	0.000822	0.000687
577908.8	4136983	7.89583	7.70904	8.53678	0.001076	0.000871	0.000841	0.000703
577916.4	4136978	8.06115	7.77554	8.70572	0.001099	0.000889	0.000859	0.000718
577924	4136973	8.21538	7.83109	8.86455	0.001119	0.000906	0.000875	0.000731
577931.6	4136967	8.35242	7.87061	9.00683	0.001138	0.000921	0.000889	0.000743
577939.2	4136962	8.47146	7.89321	9.13136	0.001154	0.000934	0.000902	0.000754
577946.8	4136957	8.54558	7.88159	9.21065	0.001164	0.000942	0.00091	0.00076
577963.5	4136953	8.86729	8.02054	9.57718	0.001208	0.000978	0.000944	0.000789
577972.6	4136955	9.14891	8.19101	9.90062	0.001246	0.001009	0.000974	0.000814
577981.6	4136957	9.42664	8.35636	10.22035	0.001284	0.001039	0.001003	0.000839
577990.7	4136959	9.69444	8.51371	10.52874	0.00132	0.001069	0.001032	0.000862
577999.7	4136960	9.95169	8.66359	10.82394	0.001355	0.001097	0.001059	0.000885



578008.8	4136962	10.20144	8.80905	11.10869	0.001389	0.001125	0.001086	0.000908
578017.9	4136964	10.44116	8.94888	11.38007	0.001422	0.001151	0.001111	0.000929
578026.9	4136965	10.66887	9.0652	11.63631	0.001453	0.001176	0.001135	0.000949
578036	4136967	10.88672	9.16072	11.8807	0.001482	0.0012	0.001158	0.000968
578045	4136969	10.92771	9.26382	12.0265	0.001488	0.001205	0.001163	0.000972
578054.1	4136970	11.09612	9.37134	12.21902	0.001511	0.001223	0.001181	0.000987
578063.2	4136972	11.25012	9.46945	12.39701	0.001532	0.00124	0.001197	0.001001
578162.8	4136991	11.87929	9.7496	13.21674	0.001618	0.00131	0.001264	0.001057
578171.9	4136992	11.7815	9.67291	13.09234	0.001604	0.001299	0.001254	0.001048
578180.9	4136994	11.66611	9.58399	12.94269	0.001589	0.001286	0.001241	0.001038
578190	4136996	11.68213	9.4936	12.72814	0.00159	0.001288	0.001243	0.001039
578199	4136998	11.53149	9.25429	12.42277	0.00157	0.001271	0.001226	0.001025
578208.1	4136999	11.36035	9.06352	12.19208	0.001546	0.001252	0.001208	0.00101
577733.7	4137102	2.79683	4.34848	3.76513	0.000384	0.00031	0.0003	0.00025
577728.5	4137110	2.65071	4.23529	3.65645	0.000364	0.000294	0.000285	0.000237
577723.3	4137118	2.50418	3.66087	3.54339	0.000344	0.000277	0.000269	0.000224
577718.1	4137126	2.21766	3.2541	2.79736	0.000304	0.000246	0.000238	0.000198
577712.9	4137134	2.07869	3.08662	2.53733	0.000285	0.00023	0.000223	0.000186
577707.8	4137142	1.95654	2.9493	2.41992	0.000268	0.000217	0.00021	0.000175
577702.6	4137150	1.84833	2.83596	2.32437	0.000253	0.000205	0.000198	0.000165
577697.4	4137158	1.75323	2.74634	2.25127	0.00024	0.000194	0.000188	0.000157
577692.2	4137166	1.66173	2.65343	2.17696	0.000228	0.000184	0.000178	0.000149
577687	4137173	1.56789	2.53641	2.08382	0.000215	0.000174	0.000168	0.00014
577681.9	4137181	1.47882	2.41544	1.992	0.000203	0.000164	0.000159	0.000132
577676.7	4137189	1.39736	2.2998	1.91017	0.000192	0.000155	0.00015	0.000125
577671.5	4137197	1.31961	2.1778	1.82708	0.000181	0.000146	0.000142	0.000118
577666.3	4137205	1.24302	2.04363	1.73586	0.000171	0.000138	0.000134	0.000111
577661.1	4137213	1.16963	1.90777	1.64374	0.000161	0.00013	0.000126	0.000105
577655.9	4137221	1.09841	1.77008	1.54931	0.000151	0.000122	0.000118	9.84E-05
577945.9	4137435	109.93159	181.7831	54.00093	0.014982	0.012126	0.011709	0.009786
577953.8	4137440	115.4261	242.5072	53.38006	0.015779	0.012759	0.012343	0.010302
577961.7	4137445	108.81735	279.0087	50.87921	0.014927	0.012058	0.011687	0.009742
577920.7	4137412	46.94402	66.37748	44.854	0.006412	0.005186	0.005014	0.004187
577940.5	4137443	91.18408	150.9297	47.02248	0.01243	0.010059	0.009715	0.008118
577948.4	4137448	93.87722	183.5668	46.31945	0.012823	0.010371	0.010028	0.008373
577956.3	4137453	88.36158	193.854	44.25753	0.012092	0.009775	0.009461	0.007894
577914	4137428	49.3574	64.55416	39.44465	0.006727	0.005445	0.005258	0.004394
577910.9	4137414	38.14464	52.63523	38.39594	0.005211	0.004215	0.004075	0.003403
577908.7	4137436	47.08901	60.44325	35.89091	0.006415	0.005193	0.005013	0.00419
577901.2	4137416	31.60319	42.89893	33.1609	0.004318	0.003492	0.003377	0.00282
577904	4137401	26.51581	40.24841	33.33081	0.003634	0.002936	0.002844	0.002372
577906	4137448	47.18449	60.77347	33.08542	0.006425	0.005201	0.00502	0.004197
577900.7	4137441	41.18039	51.86421	32.1968	0.00561	0.004541	0.004384	0.003664
577895.3	4137433	34.70354	43.77247	30.65202	0.004732	0.003829	0.003699	0.00309
577924.5	4137469	56.42965	85.33779	32.78978	0.007689	0.006223	0.006008	0.005022
577932.4	4137474	56.13758	90.10831	32.16287	0.007654	0.006194	0.005982	0.004999
577940.3	4137479	53.15969	89.00249	30.92727	0.007252	0.005868	0.005669	0.004736
577948.2	4137484	48.08647	82.08815	29.19739	0.006563	0.005309	0.005131	0.004286
577956.1	4137488	41.924	71.58339	27.14839	0.005724	0.00463	0.004475	0.003738
577901	4137457	43.6757	56.0121	30.16644	0.005946	0.004814	0.004646	0.003884
577890.6	4137442	34.31986	42.39821	28.57171	0.004677	0.003785	0.003655	0.003055
577885.4	4137435	29.14068	36.34751	27.05807	0.003974	0.003216	0.003107	0.002596
577919.2	4137477	49.29432	72.1532	29.54064	0.006715	0.005435	0.005247	0.004386
577927.1	4137482	48.74493	74.75162	28.95314	0.006643	0.005377	0.005192	0.004339
577935	4137487	46.23121	73.33965	27.87412	0.006304	0.005101	0.004927	0.004117
577942.9	4137492	42.22247	68.2358	26.4101	0.005759	0.00466	0.004502	0.003761
577890.8	4137459	37.10516	46.02302	27.28899	0.005052	0.00409	0.003947	0.0033
577880.6	4137444	29.01176	35.36105	25.44217	0.003954	0.0032	0.003091	0.002583
577913.9	4137486	43.49342	61.80199	26.78359	0.005924	0.004795	0.004629	0.003869
577921.8	4137490	42.82026	63.18501	26.23509	0.005834	0.004722	0.004559	0.003811

577929.7	4137495	40.68325	61.75563	25.2888	0.005545	0.004488	0.004334	0.003622
577937.6	4137500	37.44139	57.83864	24.03388	0.005105	0.004131	0.003991	0.003334
577945.5	4137505	33.57754	52.29073	22.57821	0.00458	0.003706	0.00358	0.002991
577885.7	4137468	34.70822	42.78799	25.17022	0.004725	0.003825	0.003692	0.003087
577875.7	4137453	28.40213	34.09137	23.86205	0.003869	0.003132	0.003024	0.002527
577908.6	4137494	38.69897	53.53973	24.41457	0.00527	0.004266	0.004118	0.003442
577916.5	4137499	37.99841	54.25503	23.91343	0.005176	0.00419	0.004045	0.003381
577924.4	4137504	36.17649	52.93145	23.08387	0.00493	0.00399	0.003853	0.00322
577932.3	4137509	33.51702	49.85954	22.00344	0.004569	0.003698	0.003571	0.002984
577880.5	4137476	32.34053	39.594	23.27204	0.004402	0.003564	0.003439	0.002876
577870.7	4137462	27.46023	32.62185	22.35695	0.00374	0.003028	0.002922	0.002443
577903.2	4137502	34.69583	46.86443	22.36492	0.004724	0.003825	0.003691	0.003086
577911.1	4137507	34.00591	47.19037	21.90808	0.004632	0.003749	0.003619	0.003025
577919	4137512	32.44133	46.00028	21.17802	0.00442	0.003577	0.003454	0.002887
577926.9	4137517	30.21466	43.51743	20.23475	0.004118	0.003333	0.003218	0.002689
577934.8	4137522	27.582	40.13546	19.14457	0.00376	0.003043	0.002939	0.002456
577874.5	4137499	28.75656	35.16425	20.08956	0.003914	0.003169	0.003057	0.002557
577869.2	4137491	27.82735	33.39908	20.14439	0.003787	0.003067	0.002959	0.002474
577863.9	4137484	26.296	31.03914	19.94759	0.00358	0.002898	0.002797	0.002338
577858.6	4137476	24.28785	28.31926	19.50421	0.003307	0.002677	0.002584	0.00216
577845.6	4137366	6.58844	13.94543	12.31216	0.000912	0.000735	0.000715	0.000594
577847.2	4137357	6.28713	13.93118	12.02376	0.000871	0.000701	0.000684	0.000568
577893	4137519	28.66869	37.22731	19.13695	0.003903	0.00316	0.003049	0.002549
577900.9	4137524	28.01378	37.14747	18.73967	0.003815	0.003088	0.00298	0.002492
577908.8	4137529	26.80889	36.1839	18.15436	0.003651	0.002956	0.002853	0.002385
577864.6	4137515	24.7779	29.73918	17.49378	0.003372	0.00273	0.002634	0.002203
577854.3	4137501	23.5311	27.4548	17.58044	0.003203	0.002593	0.002502	0.002092
577821.5	4137398	6.92824	11.78165	11.11908	0.000954	0.00077	0.000747	0.000622
577824.7	4137381	5.96344	11.53667	10.60288	0.000823	0.000664	0.000646	0.000537
577828	4137363	5.29438	11.42005	10.15655	0.000733	0.000591	0.000575	0.000478
577849.6	4137525	21.3622	24.89112	15.52632	0.002907	0.002354	0.002271	0.001899
577839.6	4137511	20.20086	23.03996	15.47812	0.002749	0.002226	0.002148	0.001796
577796.1	4137438	7.91855	10.64938	10.21356	0.001084	0.000876	0.000848	0.000708
577799.3	4137421	6.8663	10.24697	9.86301	0.000942	0.000761	0.000738	0.000615
577802.5	4137403	5.92619	9.9537	9.4631	0.000815	0.000658	0.000639	0.000532
577805.6	4137386	5.15507	9.75603	9.06601	0.000711	0.000574	0.000558	0.000464
577808.8	4137369	4.5785	9.6315	8.71793	0.000634	0.000511	0.000497	0.000413
577812	4137352	4.20948	9.5779	8.44467	0.000584	0.00047	0.000458	0.00038
577880.4	4137556	20.22458	25.10848	14.28471	0.002753	0.002229	0.002151	0.001798
577888.3	4137561	19.4415	24.45948	13.88069	0.002647	0.002143	0.002068	0.001729
577896.2	4137566	18.43857	23.47335	13.38401	0.002511	0.002033	0.001962	0.00164
577904.1	4137571	17.28936	22.24024	12.82081	0.002355	0.001906	0.00184	0.001538
577849.1	4137555	18.62017	21.76344	13.39346	0.002534	0.002052	0.001979	0.001655
577828.1	4137525	17.99393	20.24324	13.81556	0.002449	0.001983	0.001913	0.0016
577777.4	4137441	6.65524	9.07082	8.74622	0.000911	0.000737	0.000713	0.000595
577779.1	4137432	6.20642	8.89426	8.59297	0.000851	0.000687	0.000666	0.000555
577780.7	4137424	5.77506	8.74033	8.42771	0.000793	0.00064	0.000621	0.000517
577782.4	4137415	5.37115	8.61109	8.25691	0.000738	0.000596	0.000578	0.000482
577784.1	4137406	4.99797	8.50352	8.08344	0.000688	0.000555	0.000539	0.000449
577785.7	4137397	4.66176	8.41596	7.91424	0.000643	0.000518	0.000504	0.000419
577787.4	4137388	4.36407	8.34464	7.75359	0.000602	0.000486	0.000473	0.000393
577790.7	4137370	3.88998	8.24177	7.47504	0.000538	0.000434	0.000423	0.000351
577792.4	4137361	3.71357	8.20789	7.36109	0.000515	0.000414	0.000404	0.000335
577794	4137352	3.57725	8.18779	7.26441	0.000496	0.0004	0.00039	0.000323
577795.7	4137343	3.48266	8.18422	7.18535	0.000483	0.000389	0.00038	0.000315
577797.4	4137334	3.42803	8.19834	7.11995	0.000476	0.000383	0.000374	0.00031
577799	4137325	3.4133	8.2323	7.0667	0.000474	0.000382	0.000372	0.000309
577854.3	4137563	18.17742	21.43957	13.04842	0.002474	0.002003	0.001932	0.001616
577862.2	4137568	17.95751	21.46529	12.8872	0.002444	0.001979	0.001909	0.001596
577870.1	4137572	17.52075	21.21346	12.63692	0.002385	0.001931	0.001863	0.001558

577878	4137577	16.89357	20.70126	12.30665	0.0023	0.001862	0.001797	0.001502
577885.9	4137582	16.10136	19.95047	11.90282	0.002192	0.001775	0.001713	0.001432
577893.8	4137587	15.18507	19.0061	11.43843	0.002068	0.001674	0.001616	0.001351
577839	4137571	16.36431	18.80874	11.94268	0.002227	0.001803	0.001739	0.001455
577828.7	4137557	16.69818	18.88349	12.35394	0.002272	0.00184	0.001775	0.001484
577772.3	4137476	8.51488	10.02774	9.26066	0.001162	0.00094	0.000909	0.000759
577762.1	4137462	6.78213	8.56004	8.18632	0.000927	0.00075	0.000725	0.000605
577758.6	4137446	5.66005	7.76812	7.5405	0.000775	0.000627	0.000607	0.000506
577761.8	4137428	4.95796	7.50129	7.26878	0.000681	0.00055	0.000533	0.000444
577765.1	4137411	4.33752	7.31133	6.98955	0.000597	0.000482	0.000468	0.000389
577768.3	4137393	3.82292	7.18219	6.72475	0.000528	0.000425	0.000414	0.000344
577771.6	4137376	3.42438	7.09481	6.49856	0.000474	0.000382	0.000372	0.000309
577774.8	4137358	3.13986	7.03652	6.32456	0.000435	0.000351	0.000342	0.000284
577778.1	4137340	2.96423	7.00684	6.19866	0.000412	0.000331	0.000323	0.000268
577779.7	4137332	2.91662	7.00689	6.14985	0.000405	0.000326	0.000318	0.000264
577852	4137584	15.7359	18.43913	11.49087	0.002141	0.001734	0.001673	0.001399
577859.9	4137589	15.35226	18.19627	11.27102	0.002089	0.001692	0.001632	0.001365
577867.8	4137594	14.82401	17.76307	10.98704	0.002018	0.001634	0.001577	0.001318
577875.7	4137599	14.17528	17.1629	10.64745	0.00193	0.001562	0.001508	0.001261
577883.6	4137604	13.43935	16.43196	10.26466	0.00183	0.001482	0.00143	0.001195
577828.5	4137587	14.5221	16.43727	10.73725	0.001976	0.0016	0.001543	0.001291
577823.2	4137580	14.78141	16.61062	10.96294	0.002011	0.001628	0.001571	0.001314
577817.9	4137572	14.89892	16.62009	11.12915	0.002027	0.001641	0.001583	0.001324
577812.6	4137565	14.86219	16.4602	11.22903	0.002022	0.001637	0.001579	0.001321
577807.3	4137557	14.66499	16.13186	11.25663	0.001995	0.001616	0.001559	0.001303
577764.7	4137497	8.97333	10.10135	9.04451	0.001224	0.00099	0.000956	0.000799
577759.4	4137489	8.11215	9.34342	8.57521	0.001107	0.000896	0.000865	0.000723
577754.1	4137481	7.28565	8.6338	8.09025	0.000995	0.000805	0.000778	0.00065
577748.8	4137474	6.51595	7.9793	7.60724	0.00089	0.00072	0.000696	0.000581
577743.5	4137466	5.81063	7.38769	7.13531	0.000795	0.000643	0.000622	0.000519
577739.8	4137449	4.85398	6.71684	6.5614	0.000665	0.000537	0.000521	0.000434
577741.5	4137440	4.54555	6.59119	6.4369	0.000623	0.000504	0.000488	0.000407
577743.2	4137431	4.25369	6.48534	6.31273	0.000584	0.000472	0.000457	0.000381
577744.9	4137422	3.98183	6.39816	6.19045	0.000547	0.000442	0.000429	0.000357
577746.6	4137413	3.7304	6.32546	6.0696	0.000514	0.000414	0.000402	0.000335
577748.3	4137404	3.50171	6.26504	5.95249	0.000483	0.000389	0.000378	0.000315
577750	4137395	3.29656	6.21422	5.84115	0.000455	0.000367	0.000357	0.000297
577751.7	4137386	3.11688	6.17322	5.74016	0.000431	0.000347	0.000338	0.000281
577753.3	4137377	2.96152	6.1387	5.64997	0.00041	0.00033	0.000322	0.000267
577755	4137368	2.83088	6.11222	5.57413	0.000392	0.000316	0.000308	0.000256
577756.7	4137358	2.72267	6.09012	5.51019	0.000378	0.000304	0.000296	0.000246
577758.4	4137349	2.63522	6.07116	5.45593	0.000366	0.000294	0.000287	0.000238
577760.1	4137340	2.56623	6.05213	5.40619	0.000356	0.000287	0.00028	0.000232
577761.8	4137331	2.51575	6.03564	5.35983	0.00035	0.000281	0.000275	0.000228
577763.5	4137322	2.48576	6.02848	5.31923	0.000345	0.000278	0.000271	0.000225
577765.1	4137313	2.48332	6.04942	5.29692	0.000345	0.000278	0.000271	0.000225
577766.8	4137304	2.50561	6.09315	5.28633	0.000348	0.00028	0.000274	0.000227
577833.8	4137595	14.1362	16.112	10.45885	0.001923	0.001557	0.001503	0.001257
577841.7	4137600	13.92489	16.03801	10.32164	0.001895	0.001534	0.00148	0.001238
577849.6	4137605	13.58683	15.81137	10.12729	0.001849	0.001497	0.001445	0.001208
577857.5	4137610	13.13928	15.44517	9.88249	0.001788	0.001448	0.001397	0.001168
577865.4	4137615	12.59443	14.9497	9.59042	0.001715	0.001388	0.00134	0.00112
577873.3	4137620	11.9865	14.36285	9.26672	0.001632	0.001321	0.001275	0.001066
577818.4	4137604	12.97108	14.48784	9.70174	0.001765	0.001429	0.001378	0.001153
577813.2	4137596	13.22407	14.67803	9.90615	0.001799	0.001457	0.001405	0.001175
577808	4137589	13.36898	14.74573	10.06341	0.001819	0.001473	0.001421	0.001188
577802.7	4137582	13.40132	14.69015	10.17162	0.001823	0.001476	0.001424	0.001191
577792.3	4137567	13.10054	14.20008	10.21949	0.001782	0.001443	0.001392	0.001164
577787.1	4137559	12.77437	13.78505	10.15787	0.001738	0.001407	0.001358	0.001135
577766.3	4137530	10.49182	11.31088	9.33307	0.001429	0.001157	0.001116	0.000933

577755.8	4137515	9.02916	9.90753	8.65176	0.00123	0.000996	0.000962	0.000804
577750.6	4137507	8.28625	9.23078	8.27012	0.00113	0.000914	0.000883	0.000738
577745.4	4137500	7.55835	8.58707	7.87226	0.001031	0.000834	0.000806	0.000673
577735	4137485	6.18928	7.41188	7.05119	0.000845	0.000684	0.000661	0.000552
577729.8	4137478	5.57219	6.89497	6.64799	0.000762	0.000616	0.000596	0.000497
577724.6	4137470	5.01079	6.43207	6.26222	0.000685	0.000554	0.000536	0.000447
577721	4137454	4.23758	5.89715	5.7867	0.000581	0.000469	0.000455	0.000379
577722.7	4137445	3.98062	5.78826	5.67555	0.000546	0.000441	0.000428	0.000356
577726	4137427	3.50911	5.61343	5.45639	0.000482	0.000389	0.000378	0.000315
577727.6	4137418	3.2995	5.54799	5.3526	0.000454	0.000366	0.000356	0.000296
577730.9	4137400	2.93506	5.44767	5.15855	0.000405	0.000327	0.000318	0.000264
577732.6	4137391	2.77989	5.40631	5.06877	0.000384	0.00031	0.000301	0.00025
577734.2	4137382	2.64486	5.37307	4.98949	0.000366	0.000295	0.000287	0.000238
577737.6	4137365	2.4352	5.33259	4.87149	0.000337	0.000272	0.000265	0.00022
577739.2	4137356	2.35566	5.31813	4.8278	0.000327	0.000263	0.000257	0.000213
577742.5	4137338	2.2422	5.29983	4.76537	0.000311	0.000251	0.000245	0.000203
577744.2	4137329	2.20674	5.29661	4.74247	0.000307	0.000247	0.000241	0.0002
577745.8	4137320	2.18464	5.2975	4.72137	0.000304	0.000244	0.000239	0.000198
577749.1	4137302	2.19232	5.34433	4.70279	0.000305	0.000245	0.000239	0.000199
577831.5	4137616	12.42473	14.09581	9.33043	0.001691	0.001369	0.001321	0.001104
577839.4	4137621	12.12822	13.89037	9.15909	0.00165	0.001336	0.001289	0.001078
577847.3	4137626	11.74716	13.58097	8.94788	0.001599	0.001295	0.001249	0.001044
577855.2	4137631	11.29533	13.18005	8.70188	0.001538	0.001245	0.001201	0.001004
577863.1	4137636	10.79019	12.70557	8.42809	0.001469	0.001189	0.001148	0.00096
577808.2	4137620	11.67268	12.88306	8.82075	0.001588	0.001286	0.00124	0.001037
577798	4137606	12.07001	13.17437	9.1538	0.001642	0.00133	0.001283	0.001073
577792.8	4137598	12.13891	13.17794	9.2617	0.001651	0.001337	0.00129	0.001079
577782.6	4137584	11.99934	12.89748	9.34918	0.001632	0.001322	0.001275	0.001066
577772.3	4137569	11.48868	12.25726	9.25382	0.001563	0.001266	0.001221	0.001021
577767.2	4137562	11.10158	11.8158	9.13432	0.001511	0.001223	0.00118	0.000987
577736.5	4137518	7.66223	8.45421	7.58836	0.001044	0.000845	0.000816	0.000682
577726.2	4137503	6.44084	7.38541	6.90015	0.000879	0.000711	0.000687	0.000574
577716	4137489	5.3303	6.45079	6.20762	0.000728	0.000589	0.00057	0.000476
577705.7	4137474	4.37551	5.66948	5.55252	0.000599	0.000484	0.000468	0.000391
577702.2	4137458	3.7406	5.23595	5.15493	0.000513	0.000414	0.000401	0.000335
577705.5	4137440	3.3205	5.06095	4.96127	0.000456	0.000368	0.000357	0.000298
577708.7	4137423	2.94918	4.9283	4.77454	0.000406	0.000328	0.000318	0.000265
577712	4137405	2.63765	4.83507	4.60564	0.000364	0.000293	0.000285	0.000237
577715.2	4137388	2.39307	4.78016	4.47045	0.000331	0.000267	0.00026	0.000216
577718.5	4137370	2.20622	4.74117	4.36466	0.000306	0.000246	0.00024	0.000199
577721.7	4137353	2.0721	4.71426	4.29227	0.000288	0.000231	0.000226	0.000187
577723.3	4137344	2.02414	4.70812	4.27019	0.000281	0.000226	0.000221	0.000183
577726.6	4137326	1.96402	4.7146	4.25006	0.000273	0.00022	0.000214	0.000178
577729.8	4137309	1.94191	4.73163	4.23445	0.00027	0.000217	0.000212	0.000176
577733.1	4137291	1.9616	4.77304	4.21992	0.000273	0.000219	0.000214	0.000178
577821.2	4137633	11.16861	12.50315	8.48343	0.00152	0.001231	0.001187	0.000993
577829.1	4137638	10.90513	12.31552	8.33018	0.001484	0.001202	0.001159	0.000969
577837	4137643	10.57568	12.0491	8.14515	0.001439	0.001165	0.001124	0.00094
577844.9	4137648	10.19141	11.71392	7.93272	0.001387	0.001123	0.001084	0.000906
577852.8	4137653	9.75827	11.31421	7.6934	0.001328	0.001076	0.001038	0.000868
577797.8	4137636	10.57854	11.54819	8.06781	0.001439	0.001165	0.001124	0.00094
577792.5	4137629	10.80933	11.73818	8.24166	0.00147	0.001191	0.001149	0.000961
577787.3	4137621	10.96929	11.85055	8.38256	0.001492	0.001208	0.001166	0.000975
577782	4137614	11.05281	11.88093	8.4878	0.001504	0.001218	0.001174	0.000982
577776.7	4137606	11.05668	11.82873	8.55563	0.001504	0.001218	0.001175	0.000983
577771.4	4137599	10.98077	11.69638	8.58564	0.001494	0.00121	0.001167	0.000976
577766.2	4137591	10.82192	11.48335	8.57423	0.001472	0.001192	0.00115	0.000962
577760.9	4137584	10.58232	11.19555	8.52077	0.00144	0.001166	0.001125	0.000941
577755.6	4137576	10.26375	10.8366	8.42351	0.001397	0.001131	0.001091	0.000912
577750.3	4137569	9.87719	10.42039	8.28566	0.001344	0.001088	0.00105	0.000878

577745.1	4137561	9.43198	9.95966	8.10942	0.001284	0.001039	0.001003	0.000839
577739.8	4137554	8.93645	9.46777	7.8962	0.001217	0.000985	0.000951	0.000795
577718.7	4137524	6.7222	7.43055	6.77954	0.000917	0.000742	0.000716	0.000599
577713.4	4137516	6.17608	6.95639	6.46792	0.000842	0.000682	0.000659	0.00055
577708.2	4137508	5.65228	6.51128	6.15527	0.000771	0.000624	0.000603	0.000504
577702.9	4137501	5.15759	6.09879	5.84661	0.000704	0.00057	0.000551	0.00046
577697.6	4137493	4.69123	5.71488	5.54107	0.000641	0.000518	0.000501	0.000419
577692.3	4137486	4.25829	5.36226	5.24416	0.000582	0.000471	0.000456	0.00038
577687.1	4137478	3.86163	5.04171	4.95986	0.000529	0.000427	0.000414	0.000345
577683.5	4137462	3.31311	4.67244	4.61253	0.000454	0.000367	0.000356	0.000296
577685.1	4137453	3.12763	4.59558	4.52918	0.000429	0.000347	0.000336	0.00028
577686.8	4137444	2.94959	4.52516	4.44433	0.000405	0.000327	0.000317	0.000264
577688.5	4137435	2.78128	4.46243	4.36004	0.000382	0.000309	0.0003	0.000249
577690.2	4137426	2.626	4.4099	4.27991	0.000361	0.000292	0.000283	0.000236
577691.8	4137417	2.4826	4.36379	4.20198	0.000342	0.000276	0.000268	0.000223
577693.5	4137408	2.35182	4.32328	4.12745	0.000324	0.000262	0.000254	0.000212
577695.2	4137399	2.24049	4.2999	4.06821	0.000309	0.000249	0.000243	0.000202
577696.8	4137390	2.14162	4.28032	4.01431	0.000296	0.000239	0.000232	0.000193
577698.5	4137381	2.055	4.26346	3.96633	0.000284	0.000229	0.000223	0.000185
577700.2	4137371	1.98159	4.25219	3.92794	0.000274	0.000221	0.000215	0.000179
577701.9	4137362	1.91881	4.24184	3.89576	0.000266	0.000214	0.000209	0.000173
577703.5	4137353	1.86523	4.23083	3.8684	0.000259	0.000208	0.000203	0.000169
577705.2	4137344	1.82491	4.22999	3.85475	0.000253	0.000204	0.000199	0.000165
577706.9	4137335	1.79837	4.24274	3.8567	0.00025	0.000201	0.000196	0.000163
577708.6	4137326	1.77783	4.25246	3.85798	0.000247	0.000199	0.000194	0.000161
577710.2	4137317	1.76376	4.26115	3.85818	0.000245	0.000197	0.000193	0.00016
577711.9	4137308	1.75684	4.27118	3.85722	0.000244	0.000197	0.000192	0.000159
577713.6	4137299	1.75757	4.28397	3.85455	0.000244	0.000197	0.000192	0.000159
577715.3	4137290	1.76664	4.29866	3.85024	0.000246	0.000198	0.000193	0.00016
577716.9	4137281	1.78337	4.31577	3.8418	0.000248	0.000199	0.000195	0.000162
577718.6	4137272	1.80838	4.33715	3.83256	0.000251	0.000202	0.000197	0.000164
577803.1	4137644	10.28993	11.29256	7.86782	0.0014	0.001134	0.001094	0.000915
577811	4137649	10.11124	11.18623	7.75732	0.001376	0.001114	0.001075	0.000899
577818.9	4137654	9.8681	11.00651	7.61438	0.001343	0.001087	0.001049	0.000877
577826.8	4137659	9.57233	10.76529	7.44549	0.001303	0.001055	0.001018	0.000851
577834.7	4137664	9.23502	10.47303	7.25566	0.001257	0.001018	0.000982	0.000821
577842.6	4137669	8.86438	10.13373	7.04782	0.001207	0.000977	0.000943	0.000788
577787.6	4137653	9.62836	10.40953	7.40483	0.00131	0.001061	0.001023	0.000856
577782.4	4137645	9.83916	10.58648	7.56038	0.001338	0.001084	0.001045	0.000874
577772.1	4137631	10.09613	10.76335	7.79392	0.001373	0.001112	0.001073	0.000897
577766.9	4137623	10.13096	10.75415	7.8658	0.001378	0.001116	0.001076	0.0009
577756.5	4137608	10.00353	10.54015	7.91304	0.001361	0.001102	0.001063	0.000889
577746.1	4137593	9.61761	10.08317	7.82733	0.001309	0.00106	0.001022	0.000855
577740.9	4137586	9.33325	9.7737	7.7333	0.00127	0.001028	0.000992	0.00083
577730.5	4137571	8.60326	9.02623	7.44335	0.001171	0.000948	0.000915	0.000765
577725.3	4137564	8.17148	8.60749	7.24996	0.001113	0.000901	0.000869	0.000727
577699.3	4137527	5.78436	6.44632	5.99461	0.000789	0.000638	0.000617	0.000515
577689	4137512	4.89208	5.69484	5.45143	0.000668	0.00054	0.000522	0.000436
577683.8	4137505	4.48389	5.36039	5.18887	0.000613	0.000495	0.000479	0.0004
577673.4	4137490	3.74643	4.76581	4.68522	0.000512	0.000414	0.000401	0.000335
577668.2	4137482	3.41565	4.49975	4.44333	0.000468	0.000378	0.000366	0.000305
577664.6	4137466	2.95885	4.19595	4.15141	0.000406	0.000328	0.000318	0.000265
577667.9	4137448	2.65436	4.07579	4.01147	0.000365	0.000294	0.000286	0.000238
577669.6	4137439	2.51314	4.02449	3.94184	0.000346	0.000279	0.000271	0.000225
577672.9	4137422	2.26096	3.94493	3.81245	0.000311	0.000251	0.000244	0.000203
577676.2	4137404	2.05056	3.88795	3.69707	0.000283	0.000228	0.000222	0.000185
577677.8	4137395	1.9649	3.87301	3.65247	0.000272	0.000219	0.000213	0.000177
577681.1	4137377	1.82325	3.85082	3.5784	0.000252	0.000203	0.000198	0.000165
577684.4	4137359	1.72823	3.85812	3.54698	0.00024	0.000193	0.000188	0.000156
577687.7	4137341	1.65921	3.85932	3.528	0.00023	0.000185	0.000181	0.00015

577689.4	4137333	1.6351	3.86201	3.52556	0.000227	0.000183	0.000178	0.000148
577692.7	4137315	1.60156	3.85971	3.52012	0.000223	0.000179	0.000175	0.000145
577696	4137297	1.58436	3.84274	3.49757	0.00022	0.000177	0.000173	0.000144
577697.6	4137288	1.58428	3.83881	3.48057	0.00022	0.000177	0.000173	0.000144
577700.9	4137270	1.60863	3.86231	3.45845	0.000224	0.00018	0.000176	0.000146
577792.8	4137660	9.37001	10.17969	7.22667	0.001275	0.001032	0.000996	0.000833
577800.7	4137665	9.20372	10.07459	7.1242	0.001252	0.001014	0.000978	0.000818
577808.6	4137670	8.98414	9.90985	6.99415	0.001222	0.00099	0.000955	0.000799
577816.5	4137675	8.71869	9.69262	6.84045	0.001186	0.000961	0.000927	0.000775
577824.4	4137680	8.41797	9.433	6.66828	0.001146	0.000928	0.000895	0.000748
577832.3	4137685	8.10051	9.151	6.48834	0.001103	0.000893	0.000861	0.00072
577777.3	4137669	8.81995	9.45035	6.83373	0.0012	0.000972	0.000937	0.000784
577771.9	4137661	9.01895	9.61914	6.9789	0.001227	0.000993	0.000958	0.000801
577766.6	4137654	9.17186	9.7385	7.10176	0.001248	0.00101	0.000975	0.000815
577761.3	4137646	9.2708	9.80164	7.19795	0.001261	0.001021	0.000985	0.000824
577756	4137638	9.31029	9.8042	7.26434	0.001266	0.001026	0.000989	0.000827
577750.7	4137631	9.29592	9.75313	7.3045	0.001264	0.001024	0.000988	0.000826
577745.3	4137623	9.22613	9.64853	7.31726	0.001255	0.001016	0.00098	0.00082
577740	4137616	9.10116	9.49254	7.30198	0.001238	0.001003	0.000967	0.000809
577734.7	4137608	8.92138	9.2869	7.25756	0.001214	0.000983	0.000948	0.000793
577729.4	4137601	8.68833	9.03482	7.18308	0.001182	0.000957	0.000923	0.000772
577724	4137593	8.40238	8.73827	7.07645	0.001143	0.000926	0.000893	0.000747
577718.7	4137585	8.06949	8.4049	6.93918	0.001098	0.000889	0.000858	0.000717
577713.4	4137578	7.69454	8.04056	6.77133	0.001047	0.000848	0.000818	0.000684
577708.1	4137570	7.28877	7.65616	6.57822	0.000992	0.000803	0.000775	0.000648
577702.7	4137563	6.85954	7.25856	6.36218	0.000934	0.000756	0.00073	0.00061
577697.4	4137555	6.41844	6.85851	6.12941	0.000874	0.000708	0.000683	0.000571
577696.1	4137525	4.70282	5.3738	5.1266	0.000642	0.000519	0.000502	0.000419
577670.8	4137517	4.32953	5.06905	4.89206	0.000591	0.000478	0.000462	0.000386
577665.5	4137509	3.9795	4.78822	4.66491	0.000544	0.00044	0.000425	0.000355
577660.2	4137502	3.64887	4.52472	4.44109	0.000499	0.000403	0.00039	0.000326
577654.8	4137494	3.3375	4.27643	4.22043	0.000457	0.000369	0.000357	0.000298
577649.5	4137487	3.04796	4.04459	4.00578	0.000417	0.000337	0.000327	0.000272
577645.9	4137470	2.64688	3.77938	3.74642	0.000363	0.000293	0.000284	0.000237
577647.6	4137461	2.5117	3.72656	3.68622	0.000345	0.000278	0.00027	0.000225
577649.3	4137452	2.3812	3.67749	3.62485	0.000327	0.000264	0.000256	0.000213
577651	4137443	2.25756	3.63371	3.56425	0.00031	0.000251	0.000243	0.000203
577652.6	4137433	2.14344	3.59797	3.50766	0.000295	0.000238	0.000231	0.000192
577654.3	4137424	2.03978	3.57081	3.45646	0.000281	0.000227	0.00022	0.000183
577656	4137415	1.9446	3.54773	3.40757	0.000268	0.000216	0.00021	0.000175
577657.7	4137406	1.85927	3.53027	3.36356	0.000257	0.000207	0.000201	0.000167
577659.4	4137397	1.78875	3.5272	3.33343	0.000247	0.000199	0.000194	0.000161
577661.1	4137388	1.7253	3.52398	3.30524	0.000239	0.000192	0.000187	0.000156
577662.8	4137379	1.66892	3.52002	3.27941	0.000231	0.000186	0.000181	0.000151
577664.5	4137370	1.6231	3.52315	3.26378	0.000225	0.000181	0.000177	0.000147
577666.2	4137361	1.58436	3.52657	3.25275	0.00022	0.000177	0.000173	0.000143
577667.8	4137351	1.55078	3.52748	3.24377	0.000215	0.000173	0.000169	0.00014
577669.5	4137342	1.52191	3.52513	3.23628	0.000211	0.00017	0.000166	0.000138
577671.2	4137333	1.49675	3.51498	3.22837	0.000208	0.000167	0.000163	0.000135
577672.9	4137324	1.47362	3.49705	3.21455	0.000205	0.000165	0.000161	0.000133
577674.6	4137315	1.45494	3.48241	3.20024	0.000202	0.000163	0.000159	0.000132
577676.3	4137306	1.44203	3.47412	3.19023	0.000201	0.000161	0.000158	0.000131
577678	4137297	1.43414	3.46854	3.18023	0.000199	0.00016	0.000157	0.00013
577679.7	4137288	1.43145	3.46587	3.16934	0.000199	0.00016	0.000156	0.00013
577681.4	4137278	1.43432	3.46737	3.15782	0.000199	0.00016	0.000157	0.00013
577683	4137269	1.44333	3.47422	3.14631	0.000201	0.000161	0.000158	0.000131
577684.7	4137260	1.45875	3.4865	3.13512	0.000203	0.000163	0.000159	0.000132
577686.4	4137251	1.4803	3.50276	3.1238	0.000206	0.000165	0.000162	0.000134
577782.6	4137676	8.58053	9.23732	6.6689	0.001167	0.000945	0.000912	0.000763
577790.5	4137681	8.4262	9.1357	6.57392	0.001146	0.000928	0.000896	0.000749

577798.4	4137686	8.22966	8.98772	6.45693	0.00112	0.000907	0.000875	0.000732
577806.3	4137691	7.9966	8.7986	6.32087	0.001088	0.000881	0.00085	0.000711
577814.2	4137696	7.73214	8.57279	6.1678	0.001052	0.000852	0.000822	0.000687
577822.1	4137701	7.44347	8.31687	6.00091	0.001013	0.00082	0.000792	0.000662
577767.1	4137685	8.10865	8.61892	6.3256	0.001103	0.000893	0.000862	0.000721
577761.8	4137678	8.29204	8.77587	6.45773	0.001128	0.000913	0.000881	0.000737
577756.6	4137670	8.428	8.88302	6.56452	0.001146	0.000928	0.000895	0.000749
577751.3	4137663	8.52308	8.948	6.65104	0.001159	0.000939	0.000906	0.000757
577746.1	4137655	8.57451	8.969	6.71597	0.001166	0.000944	0.000911	0.000762
577740.9	4137648	8.57937	8.94378	6.75743	0.001167	0.000945	0.000912	0.000762
577735.6	4137640	8.54564	8.88174	6.78077	0.001162	0.000941	0.000908	0.000759
577730.4	4137633	8.47351	8.78423	6.78603	0.001153	0.000933	0.0009	0.000753
577725.1	4137625	8.35792	8.64693	6.76877	0.001137	0.000921	0.000888	0.000743
577719.9	4137618	8.19027	8.46247	6.72197	0.001114	0.000902	0.00087	0.000728
577714.6	4137610	7.97468	8.23648	6.64672	0.001085	0.000879	0.000848	0.000709
577704.1	4137595	7.42155	7.68584	6.41843	0.00101	0.000818	0.000789	0.00066
577698.9	4137588	7.09289	7.37155	6.26738	0.000966	0.000782	0.000754	0.000631
577693.6	4137580	6.73534	7.03708	6.09243	0.000917	0.000742	0.000717	0.000599
577688.4	4137573	6.35926	6.69217	5.89931	0.000866	0.000701	0.000677	0.000566
577683.1	4137565	5.97181	6.34299	5.69098	0.000814	0.000659	0.000636	0.000531
577677.9	4137558	5.57811	5.99384	5.46991	0.00076	0.000615	0.000594	0.000496
577672.6	4137550	5.19315	5.65904	5.24709	0.000708	0.000573	0.000553	0.000462
577656.9	4137528	4.12595	4.7643	4.59201	0.000563	0.000456	0.00044	0.000368
577651.6	4137521	3.81154	4.51142	4.38917	0.000521	0.000421	0.000407	0.00034
577646.4	4137513	3.51373	4.27393	4.18994	0.00048	0.000388	0.000376	0.000314
577641.2	4137506	3.23407	4.05231	3.99612	0.000442	0.000358	0.000346	0.000289
577635.9	4137498	2.97532	3.84891	3.81116	0.000407	0.000329	0.000319	0.000266
577630.7	4137491	2.73234	3.65623	3.6296	0.000374	0.000302	0.000293	0.000244
577627.1	4137474	2.38945	3.42937	3.40466	0.000328	0.000265	0.000257	0.000214
577628.7	4137465	2.27412	3.38496	3.3533	0.000312	0.000252	0.000244	0.000204
577630.4	4137456	2.16404	3.34567	3.30308	0.000297	0.00024	0.000233	0.000194
577632.1	4137447	2.05887	3.30978	3.25276	0.000283	0.000229	0.000222	0.000185
577633.7	4137438	1.96	3.27822	3.20372	0.00027	0.000218	0.000211	0.000176
577635.4	4137429	1.87223	3.25828	3.16325	0.000258	0.000208	0.000202	0.000168
577637.1	4137420	1.79152	3.24219	3.12506	0.000247	0.000199	0.000194	0.000161
577638.7	4137411	1.71726	3.22812	3.08827	0.000237	0.000191	0.000186	0.000155
577640.4	4137402	1.6544	3.22487	3.06179	0.000229	0.000184	0.000179	0.000149
577642.1	4137393	1.60153	3.22949	3.0439	0.000221	0.000178	0.000174	0.000144
577643.7	4137384	1.55435	3.23383	3.02809	0.000215	0.000173	0.000169	0.00014
577645.4	4137375	1.51188	3.23543	3.0128	0.000209	0.000169	0.000164	0.000137
577647.1	4137366	1.47418	3.23472	2.999	0.000204	0.000165	0.00016	0.000133
577648.7	4137357	1.44087	3.22807	2.98621	0.0002	0.000161	0.000157	0.00013
577650.4	4137348	1.40969	3.21378	2.9705	0.000196	0.000158	0.000154	0.000128
577652	4137339	1.38263	3.20117	2.95563	0.000192	0.000155	0.000151	0.000125
577653.7	4137330	1.35961	3.18868	2.94268	0.000189	0.000152	0.000148	0.000123
577655.4	4137321	1.34024	3.17587	2.93099	0.000186	0.00015	0.000146	0.000121
577657	4137312	1.32415	3.16274	2.91963	0.000184	0.000148	0.000145	0.00012
577658.7	4137303	1.31162	3.15115	2.90894	0.000182	0.000147	0.000143	0.000119
577660.4	4137294	1.30298	3.14239	2.89888	0.000181	0.000146	0.000142	0.000118
577662	4137285	1.29849	3.13693	2.88893	0.000181	0.000145	0.000142	0.000118
577665.4	4137267	1.30247	3.13628	2.86727	0.000181	0.000146	0.000142	0.000118
577667	4137258	1.3118	2.90595	2.85627	0.000182	0.000147	0.000143	0.000119
577668.7	4137249	1.32556	2.36546	2.48603	0.000183	0.000148	0.000144	0.000119
577670.4	4137240	1.28681	2.34396	2.21137	0.000177	0.000143	0.000139	0.000116
577772.3	4137693	7.89284	8.42681	6.17727	0.001074	0.000869	0.000839	0.000701
577780.2	4137698	7.75164	8.33175	6.0904	0.001055	0.000854	0.000824	0.000689
577788.1	4137703	7.57447	8.19799	5.98443	0.001031	0.000835	0.000805	0.000673
577796	4137708	7.36707	8.03064	5.86233	0.001002	0.000812	0.000783	0.000655
577803.9	4137713	7.13395	7.83381	5.72619	0.000971	0.000786	0.000758	0.000634
577811.8	4137718	6.87989	7.61154	5.57784	0.000936	0.000758	0.000732	0.000612

577756.9	4137702	7.48023	7.89275	5.87224	0.001018	0.000824	0.000795	0.000665
577746.5	4137687	7.77363	8.13768	6.08859	0.001057	0.000856	0.000826	0.000691
577736.2	4137672	7.92739	8.24005	6.23306	0.001078	0.000873	0.000842	0.000704
577731	4137665	7.95359	8.24122	6.28047	0.001082	0.000876	0.000845	0.000707
577720.6	4137650	7.91881	8.16139	6.33596	0.001077	0.000872	0.000841	0.000704
577710.3	4137635	7.72197	7.93075	6.30493	0.00105	0.000851	0.000821	0.000686
577699.9	4137620	7.35588	7.55015	6.17472	0.001001	0.00081	0.000782	0.000654
577689.5	4137605	6.84888	7.05651	5.95387	0.000932	0.000755	0.000728	0.000609
577684.4	4137598	6.55758	6.78191	5.81617	0.000893	0.000723	0.000697	0.000583
577674	4137583	5.91916	6.19755	5.49212	0.000806	0.000653	0.00063	0.000527
577663.6	4137569	5.2391	5.59514	5.1168	0.000714	0.000578	0.000558	0.000466
577653.3	4137554	4.57305	5.02456	4.72548	0.000624	0.000505	0.000487	0.000407
577627.3	4137517	3.13446	3.85303	3.79489	0.000428	0.000346	0.000335	0.00028
577617	4137502	2.67549	3.49272	3.46692	0.000366	0.000296	0.000287	0.000239
577611.8	4137495	2.46863	3.32964	3.31103	0.000338	0.000273	0.000265	0.000221
577608.3	4137478	2.17136	3.13207	3.1131	0.000298	0.000241	0.000233	0.000194
577611.6	4137461	1.97524	3.058	3.02321	0.000271	0.000219	0.000213	0.000177
577614.8	4137443	1.80246	3.00646	2.94394	0.000248	0.0002	0.000194	0.000162
577618.1	4137425	1.65943	2.98296	2.88362	0.000229	0.000185	0.000179	0.000149
577621.4	4137407	1.54008	2.97186	2.8328	0.000213	0.000171	0.000167	0.000139
577624.7	4137390	1.44513	2.97039	2.79457	0.0002	0.000161	0.000157	0.00013
577628	4137372	1.37031	2.96785	2.76511	0.00019	0.000153	0.000149	0.000124
577631.3	4137354	1.3091	2.94831	2.73561	0.000182	0.000146	0.000143	0.000118
577634.6	4137336	1.26083	2.9246	2.70763	0.000175	0.000141	0.000138	0.000114
577637.9	4137319	1.22544	2.9019	2.68796	0.00017	0.000137	0.000134	0.000111
577641.1	4137301	1.19734	2.86984	2.66209	0.000166	0.000134	0.000131	0.000108
577644.4	4137283	1.12912	2.0475	1.96753	0.000156	0.000126	0.000122	0.000102
577647.7	4137265	1.11223	1.95022	1.82631	0.000153	0.000124	0.00012	9.99E-05
577651	4137248	1.09437	1.84039	1.68472	0.000151	0.000121	0.000118	9.82E-05
577762.1	4137709	7.2886	7.72299	5.74065	0.000992	0.000803	0.000775	0.000648
577770	4137714	7.15917	7.63439	5.66099	0.000974	0.000789	0.000761	0.000636
577777.9	4137719	6.99983	7.5142	5.56531	0.000952	0.000771	0.000744	0.000622
577785.8	4137724	6.81415	7.36508	5.45512	0.000927	0.000751	0.000724	0.000606
577793.7	4137729	6.60704	7.19193	5.33316	0.000899	0.000728	0.000702	0.000587
577801.6	4137734	6.38199	6.99741	5.20061	0.000869	0.000703	0.000679	0.000567
578007.4	4137449	45.47171	100.6372	37.5841	0.006241	0.00504	0.004887	0.004072
578014.9	4137453	36.32312	77.17465	32.20922	0.004984	0.004026	0.003903	0.003253
578023.9	4137456	30.26932	62.24571	27.90795	0.004153	0.003354	0.003252	0.00271
578089.9	4137414	36.80066	45.70284	28.31772	0.005012	0.004057	0.003917	0.003274
578096.5	4137406	38.81162	44.04365	30.51786	0.005283	0.004277	0.004127	0.003451
578074.2	4137443	25.54106	40.62893	20.79731	0.003489	0.002822	0.002728	0.002278
578117.5	4137204	42.53514	29.01899	53.24101	0.005793	0.00469	0.004527	0.003784
578124.1	4137207	41.07609	28.23864	50.68794	0.005594	0.004528	0.004371	0.003654
578145.7	4137220	36.09371	25.61279	42.02183	0.004913	0.003978	0.003839	0.003209
578109.9	4137190	40.67949	27.93644	51.22074	0.005541	0.004485	0.00433	0.003619



Year 1

Updated

SCR ID	Stk ID	Pro ID	CAS	Name	Multiplier	Lbs Yr	% Reduction	Lbs Yr
Construction	0	0	9901	DieselExhPM	1	326.48	86.7%	43.32
Trk_Travel_S	0	0	9901	DieselExhPM	1	0.080878343		
Trk_Travel_N	0	0	9901	DieselExhPM	1	0.069918668		

Year 2

Updated

SCR ID	Stk ID	Pro ID	CAS	Name	Multiplier	Lbs Yr	% Reduction	Lbs Yr
Construction	0	0	9901	DieselExhPM	1	229.56	85.5%	33.22
Trk_Travel_S	0	0	9901	DieselExhPM	1	0.046189547		
Trk_Travel_N	0	0	9901	DieselExhPM	1	0.039930487		

Rec ID	X	Y	Max Cancer Risk 2.27E-04			Updated Max Cancer Risk 3.12E-05		
			1yr	2yr	Total	1yr	2yr	Total
1 ALL	578053.02	4137356.55	1.23E-04	7.99E-05	2.03E-04	1.63E-05	1.16E-05	2.79E-05
2 ALL	578010.01	4137440.77	4.00E-05	2.60E-05	6.60E-05	5.31E-06	3.76E-06	9.07E-06
3 ALL	578015.15	4137432.89	4.81E-05	3.12E-05	7.93E-05	6.38E-06	4.52E-06	1.09E-05
4 ALL	578020.29	4137425.02	5.63E-05	3.66E-05	9.29E-05	7.47E-06	5.29E-06	1.28E-05
5 ALL	578025.42	4137417.14	6.38E-05	4.14E-05	1.05E-04	8.46E-06	5.99E-06	1.45E-05
6 ALL	578030.56	4137409.27	7.02E-05	4.56E-05	1.16E-04	9.31E-06	6.60E-06	1.59E-05
7 ALL	578035.7	4137401.39	7.55E-05	4.90E-05	1.25E-04	1.00E-05	7.10E-06	1.71E-05
8 ALL	578040.84	4137393.52	7.99E-05	5.19E-05	1.32E-04	1.06E-05	7.51E-06	1.81E-05
9 ALL	578045.98	4137385.64	8.34E-05	5.42E-05	1.38E-04	1.11E-05	7.84E-06	1.89E-05
10 ALL	578051.12	4137377.77	8.61E-05	5.59E-05	1.42E-04	1.14E-05	8.10E-06	1.95E-05
11 ALL	578056.26	4137369.89	8.82E-05	5.73E-05	1.45E-04	1.17E-05	8.29E-06	2.00E-05
12 ALL	578061.39	4137362.02	8.96E-05	5.82E-05	1.48E-04	1.19E-05	8.42E-06	2.03E-05
13 ALL	577987.06	4137465.71	3.18E-05	2.07E-05	5.25E-05	4.22E-06	2.99E-06	7.21E-06
14 ALL	578018.38	4137446.23	2.98E-05	1.94E-05	4.92E-05	3.96E-06	2.80E-06	6.76E-06
15 ALL	578023.52	4137438.36	3.50E-05	2.27E-05	5.77E-05	4.64E-06	3.29E-06	7.93E-06
16 ALL	578028.66	4137430.48	4.07E-05	2.64E-05	6.71E-05	5.40E-06	3.83E-06	9.23E-06
17 ALL	578033.8	4137422.61	4.62E-05	3.00E-05	7.63E-05	6.14E-06	4.35E-06	1.05E-05
18 ALL	578038.94	4137414.73	5.12E-05	3.33E-05	8.45E-05	6.80E-06	4.81E-06	1.16E-05
19 ALL	578044.08	4137406.86	5.55E-05	3.60E-05	9.16E-05	7.36E-06	5.22E-06	1.26E-05
20 ALL	578049.21	4137398.98	5.92E-05	3.85E-05	9.77E-05	7.86E-06	5.57E-06	1.34E-05
21 ALL	578054.35	4137391.11	6.23E-05	4.05E-05	1.03E-04	8.27E-06	5.86E-06	1.41E-05
22 ALL	578059.49	4137383.23	6.50E-05	4.22E-05	1.07E-04	8.62E-06	6.11E-06	1.47E-05
23 ALL	578064.63	4137375.36	6.72E-05	4.36E-05	1.11E-04	8.91E-06	6.31E-06	1.52E-05
24 ALL	578069.77	4137367.48	6.89E-05	4.48E-05	1.14E-04	9.15E-06	6.48E-06	1.56E-05
25 ALL	578002.9	4137472.48	2.08E-05	1.35E-05	3.43E-05	2.76E-06	1.96E-06	4.72E-06
26 ALL	577989.2	4137475.48	2.49E-05	1.62E-05	4.11E-05	3.31E-06	2.34E-06	5.65E-06
27 ALL	577974.27	4137472.86	3.37E-05	2.19E-05	5.56E-05	4.47E-06	3.17E-06	7.64E-06
28 ALL	578026.76	4137451.7	2.32E-05	1.50E-05	3.82E-05	3.07E-06	2.18E-06	5.25E-06
29 ALL	578031.9	4137443.82	2.68E-05	1.74E-05	4.42E-05	3.55E-06	2.52E-06	6.07E-06
30 ALL	578037.03	4137435.95	3.09E-05	2.01E-05	5.10E-05	4.11E-06	2.91E-06	7.01E-06
31 ALL	578042.17	4137428.07	3.52E-05	2.29E-05	5.81E-05	4.67E-06	3.31E-06	7.98E-06
32 ALL	578047.31	4137420.2	3.92E-05	2.54E-05	6.46E-05	5.20E-06	3.68E-06	8.88E-06
33 ALL	578052.45	4137412.32	4.27E-05	2.78E-05	7.05E-05	5.67E-06	4.02E-06	9.69E-06
34 ALL	578057.59	4137404.45	4.59E-05	2.98E-05	7.57E-05	6.09E-06	4.31E-06	1.04E-05
35 ALL	578062.73	4137396.57	4.86E-05	3.16E-05	8.02E-05	6.46E-06	4.57E-06	1.10E-05
36 ALL	578067.87	4137388.7	5.12E-05	3.32E-05	8.44E-05	6.79E-06	4.81E-06	1.16E-05
37 ALL	578073.01	4137380.82	5.33E-05	3.46E-05	8.79E-05	7.07E-06	5.01E-06	1.21E-05
38 ALL	578078.14	4137372.95	5.49E-05	3.57E-05	9.06E-05	7.29E-06	5.16E-06	1.25E-05
39 ALL	578011.28	4137477.95	1.66E-05	1.08E-05	2.74E-05	2.20E-06	1.56E-06	3.76E-06
40 ALL	577991.33	4137485.25	2.01E-05	1.31E-05	3.32E-05	2.67E-06	1.89E-06	4.56E-06
41 ALL	577976.4	4137482.63	2.66E-05	1.73E-05	4.40E-05	3.54E-06	2.50E-06	6.04E-06
42 ALL	578015.91	4137485.99	1.37E-05	8.90E-06	2.26E-05	1.82E-06	1.29E-06	3.11E-06
43 ALL	578008.42	4137491.16	1.41E-05	9.14E-06	2.32E-05	1.87E-06	1.32E-06	3.19E-06
44 ALL	577991.98	4137494.76	1.70E-05	1.10E-05	2.81E-05	2.26E-06	1.60E-06	3.86E-06
45 ALL	577983.02	4137493.19	1.99E-05	1.30E-05	3.29E-05	2.65E-06	1.87E-06	4.52E-06
46 ALL	577974.06	4137491.62	2.32E-05	1.51E-05	3.83E-05	3.08E-06	2.18E-06	5.27E-06
47 ALL	577965.1	4137490.05	2.66E-05	1.73E-05	4.39E-05	3.53E-06	2.50E-06	6.04E-06
48 ALL	577994.36	4137504.57	1.42E-05	9.24E-06	2.35E-05	1.89E-06	1.34E-06	3.23E-06
49 ALL	577976.94	4137501.52	1.89E-05	1.23E-05	3.12E-05	2.51E-06	1.78E-06	4.29E-06
50 ALL	577959.52	4137498.47	2.42E-05	1.57E-05	3.99E-05	3.21E-06	2.27E-06	5.48E-06
51 ALL	578047.99	4137486.35	9.80E-06	6.36E-06	1.62E-05	1.30E-06	9.21E-07	2.22E-06
52 ALL	577996.68	4137514.37	1.21E-05	7.87E-06	2.00E-05	1.61E-06	1.14E-06	2.75E-06
53 ALL	577979.61	4137511.38	1.57E-05	1.02E-05	2.60E-05	2.09E-06	1.48E-06	3.57E-06
54 ALL	577962.55	4137508.39	2.00E-05	1.30E-05	3.29E-05	2.65E-06	1.88E-06	4.53E-06
55 ALL	578060.26	4137473.55	1.11E-05	7.23E-06	1.84E-05	1.48E-06	1.05E-06	2.52E-06
56 ALL	578065.39	4137465.68	1.25E-05	8.09E-06	2.05E-05	1.65E-06	1.17E-06	2.82E-06
57 ALL	578070.53	4137457.81	1.40E-05	9.11E-06	2.31E-05	1.86E-06	1.32E-06	3.18E-06
58 ALL	578075.67	4137449.93	1.58E-05	1.02E-05	2.60E-05	2.09E-06	1.48E-06	3.58E-06
59 ALL	578080.81	4137442.06	1.76E-05	1.15E-05	2.91E-05	2.34E-06	1.66E-06	4.00E-06
60 ALL	578085.95	4137434.18	1.95E-05	1.27E-05	3.22E-05	2.59E-06	1.83E-06	4.42E-06
61 ALL	578091.09	4137426.31	2.13E-05	1.39E-05	3.52E-05	2.83E-06	2.00E-06	4.83E-06
62 ALL	578096.23	4137418.43	2.31E-05	1.50E-05	3.80E-05	3.06E-06	2.17E-06	5.23E-06

63 ALL	578101.37	4137410.56	2.46E-05	1.60E-05	4.06E-05	3.27E-06	2.32E-06	5.59E-06
64 ALL	578106.5	4137402.68	2.60E-05	1.69E-05	4.29E-05	3.45E-06	2.45E-06	5.90E-06
65 ALL	578111.64	4137394.81	2.71E-05	1.76E-05	4.48E-05	3.60E-06	2.55E-06	6.15E-06
66 ALL	578056.47	4137491.74	8.54E-06	5.55E-06	1.41E-05	1.13E-06	8.03E-07	1.94E-06
67 ALL	578042.44	4137501.42	8.37E-06	5.44E-06	1.38E-05	1.11E-06	7.87E-07	1.90E-06
68 ALL	578028.4	4137511.11	8.58E-06	5.57E-06	1.42E-05	1.14E-06	8.06E-07	1.95E-06
69 ALL	577982.15	4137521.22	1.33E-05	8.66E-06	2.20E-05	1.77E-06	1.25E-06	3.02E-06
70 ALL	577965.35	4137518.28	1.67E-05	1.09E-05	2.76E-05	2.22E-06	1.57E-06	3.79E-06
71 ALL	577948.55	4137515.33	2.01E-05	1.31E-05	3.32E-05	2.67E-06	1.89E-06	4.56E-06
72 ALL	578068.63	4137479.02	9.69E-06	6.29E-06	1.60E-05	1.29E-06	9.11E-07	2.20E-06
73 ALL	578073.77	4137471.15	1.08E-05	7.01E-06	1.78E-05	1.43E-06	1.01E-06	2.45E-06
74 ALL	578078.91	4137463.27	1.21E-05	7.85E-06	1.99E-05	1.60E-06	1.14E-06	2.74E-06
75 ALL	578084.05	4137455.4	1.35E-05	8.79E-06	2.23E-05	1.80E-06	1.27E-06	3.07E-06
76 ALL	578089.19	4137447.52	1.51E-05	9.80E-06	2.49E-05	2.00E-06	1.42E-06	3.42E-06
77 ALL	578094.32	4137439.65	1.67E-05	1.08E-05	2.75E-05	2.21E-06	1.57E-06	3.78E-06
78 ALL	578099.46	4137431.77	1.83E-05	1.19E-05	3.02E-05	2.43E-06	1.72E-06	4.14E-06
79 ALL	578104.6	4137423.9	1.98E-05	1.29E-05	3.27E-05	2.63E-06	1.86E-06	4.49E-06
80 ALL	578109.74	4137416.02	2.12E-05	1.38E-05	3.50E-05	2.82E-06	1.99E-06	4.81E-06
81 ALL	578114.88	4137408.15	2.25E-05	1.46E-05	3.71E-05	2.98E-06	2.11E-06	5.09E-06
82 ALL	578120.02	4137400.27	2.35E-05	1.53E-05	3.88E-05	3.12E-06	2.21E-06	5.33E-06
83 ALL	578064.93	4137497.14	7.54E-06	4.90E-06	1.24E-05	1.00E-06	7.08E-07	1.71E-06
84 ALL	578051.07	4137506.71	7.33E-06	4.76E-06	1.21E-05	9.73E-07	6.89E-07	1.66E-06
85 ALL	578037.21	4137516.27	7.43E-06	4.83E-06	1.23E-05	9.86E-07	6.99E-07	1.68E-06
86 ALL	578023.34	4137525.84	7.75E-06	5.03E-06	1.28E-05	1.03E-06	7.28E-07	1.76E-06
87 ALL	577968	4137528.14	1.42E-05	9.23E-06	2.34E-05	1.88E-06	1.34E-06	3.22E-06
88 ALL	577951.41	4137525.23	1.71E-05	1.11E-05	2.82E-05	2.27E-06	1.61E-06	3.87E-06
89 ALL	578077.01	4137484.48	8.55E-06	5.55E-06	1.41E-05	1.13E-06	8.03E-07	1.94E-06
90 ALL	578082.14	4137476.61	9.47E-06	6.15E-06	1.56E-05	1.26E-06	8.90E-07	2.15E-06
91 ALL	578087.28	4137468.74	1.06E-05	6.85E-06	1.74E-05	1.40E-06	9.92E-07	2.39E-06
92 ALL	578092.42	4137460.86	1.18E-05	7.64E-06	1.94E-05	1.56E-06	1.11E-06	2.67E-06
93 ALL	578097.56	4137452.99	1.31E-05	8.50E-06	2.16E-05	1.74E-06	1.23E-06	2.97E-06
94 ALL	578102.7	4137445.11	1.45E-05	9.39E-06	2.39E-05	1.92E-06	1.36E-06	3.28E-06
95 ALL	578107.84	4137437.24	1.58E-05	1.03E-05	2.61E-05	2.10E-06	1.49E-06	3.59E-06
96 ALL	578112.98	4137429.36	1.72E-05	1.12E-05	2.83E-05	2.28E-06	1.61E-06	3.89E-06
97 ALL	578118.11	4137421.49	1.84E-05	1.20E-05	3.04E-05	2.45E-06	1.73E-06	4.18E-06
98 ALL	578123.25	4137413.61	1.96E-05	1.27E-05	3.23E-05	2.60E-06	1.84E-06	4.43E-06
99 ALL	578128.39	4137405.74	2.05E-05	1.33E-05	3.38E-05	2.72E-06	1.93E-06	4.65E-06
100 ALL	578133.53	4137397.86	2.13E-05	1.38E-05	3.51E-05	2.82E-06	2.00E-06	4.82E-06
101 ALL	578080.53	4137508	6.10E-06	3.96E-06	1.01E-05	8.10E-07	5.73E-07	1.38E-06
102 ALL	578073.09	4137513.13	5.95E-06	3.86E-06	9.81E-06	7.89E-07	5.59E-07	1.35E-06
103 ALL	578058.22	4137523.4	5.83E-06	3.79E-06	9.62E-06	7.74E-07	5.48E-07	1.32E-06
104 ALL	578043.34	4137533.66	5.95E-06	3.86E-06	9.81E-06	7.89E-07	5.59E-07	1.35E-06
105 ALL	578087.97	4137502.87	6.32E-06	4.10E-06	1.04E-05	8.39E-07	5.94E-07	1.43E-06
106 ALL	578093.11	4137494.99	6.90E-06	4.48E-06	1.14E-05	9.16E-07	6.49E-07	1.56E-06
107 ALL	578098.25	4137487.12	7.59E-06	4.93E-06	1.25E-05	1.01E-06	7.13E-07	1.72E-06
108 ALL	578103.39	4137479.24	8.39E-06	5.45E-06	1.38E-05	1.11E-06	7.88E-07	1.90E-06
109 ALL	578108.53	4137471.37	9.28E-06	6.03E-06	1.53E-05	1.23E-06	8.72E-07	2.10E-06
110 ALL	578113.66	4137463.5	1.03E-05	6.66E-06	1.69E-05	1.36E-06	9.64E-07	2.33E-06
111 ALL	578118.8	4137455.62	1.13E-05	7.33E-06	1.86E-05	1.50E-06	1.06E-06	2.56E-06
112 ALL	578123.94	4137447.75	1.23E-05	8.01E-06	2.04E-05	1.64E-06	1.16E-06	2.80E-06
113 ALL	578129.08	4137439.87	1.34E-05	8.68E-06	2.21E-05	1.77E-06	1.26E-06	3.03E-06
114 ALL	578134.22	4137432	1.44E-05	9.32E-06	2.37E-05	1.90E-06	1.35E-06	3.25E-06
115 ALL	578139.36	4137424.12	1.53E-05	9.92E-06	2.52E-05	2.03E-06	1.43E-06	3.46E-06
116 ALL	578144.5	4137416.25	1.61E-05	1.04E-05	2.65E-05	2.13E-06	1.51E-06	3.65E-06
117 ALL	578149.64	4137408.37	1.68E-05	1.09E-05	2.77E-05	2.23E-06	1.58E-06	3.80E-06
118 ALL	578096.88	4137518.34	5.09E-06	3.30E-06	8.39E-06	6.75E-07	4.78E-07	1.15E-06
119 ALL	578082.48	4137528.28	4.85E-06	3.15E-06	8.00E-06	6.43E-07	4.56E-07	1.10E-06
120 ALL	578039.29	4137558.08	5.03E-06	3.27E-06	8.29E-06	6.67E-07	4.73E-07	1.14E-06
121 ALL	578024.89	4137568.01	5.28E-06	3.43E-06	8.72E-06	7.01E-07	4.97E-07	1.20E-06
122 ALL	578009.08	4137571.47	5.96E-06	3.87E-06	9.83E-06	7.90E-07	5.60E-07	1.35E-06
123 ALL	577991.85	4137568.45	7.21E-06	4.68E-06	1.19E-05	9.56E-07	6.77E-07	1.63E-06
124 ALL	577974.63	4137565.43	8.69E-06	5.64E-06	1.43E-05	1.15E-06	8.17E-07	1.97E-06
125 ALL	577957.4	4137562.41	1.03E-05	6.70E-06	1.70E-05	1.37E-06	9.70E-07	2.34E-06

126 ALL	577940.17	4137559.39	1.20E-05	7.78E-06	1.98E-05	1.59E-06	1.13E-06	2.72E-06
127 ALL	577922.94	4137556.38	1.35E-05	8.77E-06	2.23E-05	1.79E-06	1.27E-06	3.06E-06
128 ALL	578109.22	4137505.5	5.72E-06	3.71E-06	9.43E-06	7.58E-07	5.37E-07	1.30E-06
129 ALL	578114.35	4137497.63	6.24E-06	4.06E-06	1.03E-05	8.28E-07	5.87E-07	1.42E-06
130 ALL	578119.49	4137489.75	6.85E-06	4.45E-06	1.13E-05	9.10E-07	6.44E-07	1.55E-06
131 ALL	578124.63	4137481.88	7.54E-06	4.90E-06	1.24E-05	1.00E-06	7.09E-07	1.71E-06
132 ALL	578129.77	4137474	8.28E-06	5.38E-06	1.37E-05	1.10E-06	7.78E-07	1.88E-06
133 ALL	578134.91	4137466.13	9.06E-06	5.88E-06	1.49E-05	1.20E-06	8.52E-07	2.05E-06
134 ALL	578140.05	4137458.26	9.87E-06	6.41E-06	1.63E-05	1.31E-06	9.27E-07	2.24E-06
135 ALL	578145.19	4137450.38	1.07E-05	6.93E-06	1.76E-05	1.42E-06	1.00E-06	2.42E-06
136 ALL	578150.32	4137442.51	1.15E-05	7.44E-06	1.89E-05	1.52E-06	1.08E-06	2.60E-06
137 ALL	578155.46	4137434.63	1.22E-05	7.93E-06	2.01E-05	1.62E-06	1.15E-06	2.77E-06
138 ALL	578160.6	4137426.76	1.29E-05	8.38E-06	2.13E-05	1.71E-06	1.21E-06	2.92E-06
139 ALL	578165.74	4137418.88	1.35E-05	8.77E-06	2.23E-05	1.79E-06	1.27E-06	3.06E-06
140 ALL	578105.05	4137534.33	4.18E-06	2.72E-06	6.90E-06	5.55E-07	3.93E-07	9.48E-07
141 ALL	578067.21	4137560.44	4.02E-06	2.61E-06	6.63E-06	5.33E-07	3.78E-07	9.11E-07
142 ALL	578059.64	4137565.66	4.07E-06	2.64E-06	6.71E-06	5.40E-07	3.82E-07	9.22E-07
143 ALL	578052.07	4137570.88	4.14E-06	2.69E-06	6.82E-06	5.49E-07	3.89E-07	9.37E-07
144 ALL	578044.51	4137576.1	4.22E-06	2.74E-06	6.96E-06	5.60E-07	3.97E-07	9.57E-07
145 ALL	578036.94	4137581.32	4.32E-06	2.81E-06	7.13E-06	5.73E-07	4.06E-07	9.79E-07
146 ALL	578029.37	4137586.54	4.43E-06	2.88E-06	7.31E-06	5.88E-07	4.17E-07	1.00E-06
147 ALL	578012.75	4137590.18	4.97E-06	3.23E-06	8.20E-06	6.60E-07	4.67E-07	1.13E-06
148 ALL	578003.69	4137588.59	5.45E-06	3.54E-06	8.99E-06	7.23E-07	5.12E-07	1.24E-06
149 ALL	577994.64	4137587	5.98E-06	3.88E-06	9.86E-06	7.93E-07	5.62E-07	1.36E-06
150 ALL	577985.58	4137585.42	6.55E-06	4.26E-06	1.08E-05	8.69E-07	6.16E-07	1.49E-06
151 ALL	577976.52	4137583.83	7.17E-06	4.66E-06	1.18E-05	9.51E-07	6.74E-07	1.63E-06
152 ALL	577967.47	4137582.24	7.82E-06	5.08E-06	1.29E-05	1.04E-06	7.35E-07	1.77E-06
153 ALL	577958.41	4137580.66	8.48E-06	5.51E-06	1.40E-05	1.13E-06	7.97E-07	1.92E-06
154 ALL	577949.36	4137579.07	9.16E-06	5.95E-06	1.51E-05	1.21E-06	8.60E-07	2.08E-06
155 ALL	577940.3	4137577.49	9.84E-06	6.39E-06	1.62E-05	1.31E-06	9.24E-07	2.23E-06
156 ALL	577931.24	4137575.9	1.05E-05	6.83E-06	1.73E-05	1.40E-06	9.88E-07	2.38E-06
157 ALL	577922.19	4137574.31	1.12E-05	7.25E-06	1.84E-05	1.48E-06	1.05E-06	2.53E-06
158 ALL	577913.13	4137572.73	1.18E-05	7.63E-06	1.94E-05	1.56E-06	1.10E-06	2.66E-06
159 ALL	578099.5	4137559.78	3.41E-06	2.22E-06	5.63E-06	4.53E-07	3.21E-07	7.73E-07
160 ALL	578084.78	4137569.93	3.39E-06	2.20E-06	5.59E-06	4.50E-07	3.19E-07	7.69E-07
161 ALL	578070.06	4137580.09	3.44E-06	2.24E-06	5.68E-06	4.57E-07	3.23E-07	7.80E-07
162 ALL	578062.7	4137585.17	3.49E-06	2.26E-06	5.75E-06	4.63E-07	3.28E-07	7.90E-07
163 ALL	578047.99	4137595.32	3.62E-06	2.35E-06	5.96E-06	4.80E-07	3.40E-07	8.20E-07
164 ALL	578040.63	4137600.4	3.69E-06	2.40E-06	6.09E-06	4.90E-07	3.47E-07	8.37E-07
165 ALL	578017.11	4137609.01	4.19E-06	2.72E-06	6.91E-06	5.55E-07	3.93E-07	9.49E-07
166 ALL	577999.49	4137605.92	4.94E-06	3.21E-06	8.14E-06	6.55E-07	4.64E-07	1.12E-06
167 ALL	577981.88	4137602.84	5.82E-06	3.78E-06	9.61E-06	7.73E-07	5.47E-07	1.32E-06
168 ALL	577964.27	4137599.75	6.81E-06	4.42E-06	1.12E-05	9.04E-07	6.40E-07	1.54E-06
169 ALL	577946.66	4137596.67	7.85E-06	5.10E-06	1.30E-05	1.04E-06	7.38E-07	1.78E-06
170 ALL	577929.05	4137593.58	8.92E-06	5.79E-06	1.47E-05	1.18E-06	8.38E-07	2.02E-06
171 ALL	577911.44	4137590.5	9.92E-06	6.44E-06	1.64E-05	1.32E-06	9.33E-07	2.25E-06
172 ALL	578151.7	4137510.77	4.89E-06	3.18E-06	8.07E-06	6.49E-07	4.60E-07	1.11E-06
173 ALL	578156.84	4137502.9	5.32E-06	3.45E-06	8.77E-06	7.05E-07	5.00E-07	1.20E-06
174 ALL	578161.98	4137495.02	5.78E-06	3.75E-06	9.53E-06	7.66E-07	5.43E-07	1.31E-06
175 ALL	578167.12	4137487.15	6.26E-06	4.07E-06	1.03E-05	8.31E-07	5.89E-07	1.42E-06
176 ALL	578172.26	4137479.27	6.77E-06	4.40E-06	1.12E-05	8.99E-07	6.36E-07	1.54E-06
177 ALL	578177.4	4137471.4	7.29E-06	4.73E-06	1.20E-05	9.67E-07	6.85E-07	1.65E-06
178 ALL	578182.53	4137463.53	7.80E-06	5.07E-06	1.29E-05	1.04E-06	7.33E-07	1.77E-06
179 ALL	578187.67	4137455.65	8.30E-06	5.39E-06	1.37E-05	1.10E-06	7.80E-07	1.88E-06
180 ALL	578192.81	4137447.78	8.77E-06	5.70E-06	1.45E-05	1.16E-06	8.24E-07	1.99E-06
181 ALL	578129.45	4137560.74	3.07E-06	1.99E-06	5.06E-06	4.07E-07	2.88E-07	6.96E-07
182 ALL	578121.8	4137566.01	3.00E-06	1.95E-06	4.96E-06	3.99E-07	2.82E-07	6.81E-07
183 ALL	578114.15	4137571.29	2.96E-06	1.92E-06	4.88E-06	3.93E-07	2.78E-07	6.71E-07
184 ALL	578106.5	4137576.57	2.93E-06	1.91E-06	4.84E-06	3.89E-07	2.76E-07	6.65E-07
185 ALL	578098.85	4137581.84	2.93E-06	1.90E-06	4.83E-06	3.88E-07	2.75E-07	6.63E-07
186 ALL	578091.21	4137587.12	2.93E-06	1.90E-06	4.83E-06	3.89E-07	2.75E-07	6.64E-07
187 ALL	578083.56	4137592.4	2.95E-06	1.92E-06	4.87E-06	3.91E-07	2.77E-07	6.69E-07
188 ALL	578075.91	4137597.68	2.98E-06	1.94E-06	4.92E-06	3.95E-07	2.80E-07	6.75E-07

189 ALL	578068.26	4137602.95	3.02E-06	1.96E-06	4.98E-06	4.01E-07	2.84E-07	6.85E-07
190 ALL	578060.61	4137608.23	3.07E-06	1.99E-06	5.06E-06	4.07E-07	2.89E-07	6.96E-07
191 ALL	578052.96	4137613.51	3.13E-06	2.03E-06	5.16E-06	4.15E-07	2.94E-07	7.09E-07
192 ALL	578045.32	4137618.78	3.19E-06	2.07E-06	5.26E-06	4.23E-07	3.00E-07	7.23E-07
193 ALL	578037.67	4137624.06	3.26E-06	2.12E-06	5.38E-06	4.33E-07	3.06E-07	7.39E-07
194 ALL	578020.87	4137627.73	3.60E-06	2.34E-06	5.94E-06	4.78E-07	3.38E-07	8.16E-07
195 ALL	578011.71	4137626.13	3.89E-06	2.53E-06	6.42E-06	5.17E-07	3.66E-07	8.83E-07
196 ALL	578002.56	4137624.53	4.22E-06	2.74E-06	6.96E-06	5.60E-07	3.97E-07	9.56E-07
197 ALL	577993.41	4137622.92	4.57E-06	2.97E-06	7.54E-06	6.07E-07	4.30E-07	1.04E-06
198 ALL	577984.26	4137621.32	4.95E-06	3.21E-06	8.16E-06	6.57E-07	4.65E-07	1.12E-06
199 ALL	577975.1	4137619.72	5.35E-06	3.47E-06	8.82E-06	7.10E-07	5.03E-07	1.21E-06
200 ALL	577965.95	4137618.11	5.77E-06	3.75E-06	9.52E-06	7.65E-07	5.42E-07	1.31E-06
201 ALL	577956.8	4137616.51	6.20E-06	4.03E-06	1.02E-05	8.23E-07	5.83E-07	1.41E-06
202 ALL	577947.65	4137614.91	6.64E-06	4.31E-06	1.10E-05	8.82E-07	6.24E-07	1.51E-06
203 ALL	577938.49	4137613.3	7.09E-06	4.61E-06	1.17E-05	9.41E-07	6.67E-07	1.61E-06
204 ALL	577929.34	4137611.7	7.54E-06	4.90E-06	1.24E-05	1.00E-06	7.09E-07	1.71E-06
205 ALL	577920.19	4137610.1	7.98E-06	5.19E-06	1.32E-05	1.06E-06	7.50E-07	1.81E-06
206 ALL	577911.04	4137608.49	8.42E-06	5.47E-06	1.39E-05	1.12E-06	7.91E-07	1.91E-06
207 ALL	577901.88	4137606.89	8.83E-06	5.74E-06	1.46E-05	1.17E-06	8.30E-07	2.00E-06
208 ALL	577892.73	4137605.29	9.21E-06	5.98E-06	1.52E-05	1.22E-06	8.66E-07	2.09E-06
209 ALL	578157.53	4137537.03	3.63E-06	2.36E-06	5.99E-06	4.82E-07	3.41E-07	8.23E-07
210 ALL	578162.67	4137529.16	3.91E-06	2.54E-06	6.45E-06	5.19E-07	3.68E-07	8.87E-07
211 ALL	578167.81	4137521.28	4.23E-06	2.75E-06	6.98E-06	5.61E-07	3.97E-07	9.59E-07
212 ALL	578172.95	4137513.41	4.58E-06	2.97E-06	7.55E-06	6.07E-07	4.30E-07	1.04E-06
213 ALL	578178.09	4137505.53	4.95E-06	3.22E-06	8.17E-06	6.57E-07	4.65E-07	1.12E-06
214 ALL	578183.22	4137497.66	5.35E-06	3.47E-06	8.82E-06	7.10E-07	5.03E-07	1.21E-06
215 ALL	578188.36	4137489.78	5.76E-06	3.74E-06	9.50E-06	7.65E-07	5.42E-07	1.31E-06
216 ALL	578193.5	4137481.91	6.18E-06	4.02E-06	1.02E-05	8.21E-07	5.81E-07	1.40E-06
217 ALL	578198.64	4137474.03	6.61E-06	4.29E-06	1.09E-05	8.77E-07	6.21E-07	1.50E-06
218 ALL	578203.78	4137466.16	7.02E-06	4.56E-06	1.16E-05	9.31E-07	6.60E-07	1.59E-06
219 ALL	578208.92	4137458.29	7.42E-06	4.82E-06	1.22E-05	9.84E-07	6.97E-07	1.68E-06
220 ALL	578161.03	4137560.57	2.88E-06	1.87E-06	4.76E-06	3.83E-07	2.71E-07	6.54E-07
221 ALL	578153.57	4137565.72	2.79E-06	1.81E-06	4.61E-06	3.71E-07	2.63E-07	6.33E-07
222 ALL	578138.64	4137576.02	2.66E-06	1.73E-06	4.38E-06	3.52E-07	2.50E-07	6.02E-07
223 ALL	578131.17	4137581.17	2.61E-06	1.70E-06	4.31E-06	3.46E-07	2.45E-07	5.92E-07
224 ALL	578123.71	4137586.32	2.58E-06	1.68E-06	4.26E-06	3.42E-07	2.42E-07	5.85E-07
225 ALL	578116.24	4137591.47	2.56E-06	1.66E-06	4.23E-06	3.40E-07	2.41E-07	5.81E-07
226 ALL	578108.78	4137596.62	2.56E-06	1.66E-06	4.22E-06	3.39E-07	2.40E-07	5.79E-07
227 ALL	578101.31	4137601.77	2.56E-06	1.66E-06	4.22E-06	3.40E-07	2.41E-07	5.80E-07
228 ALL	578093.85	4137606.92	2.57E-06	1.67E-06	4.25E-06	3.42E-07	2.42E-07	5.83E-07
229 ALL	578086.38	4137612.07	2.60E-06	1.69E-06	4.28E-06	3.44E-07	2.44E-07	5.88E-07
230 ALL	578078.92	4137617.22	2.62E-06	1.70E-06	4.33E-06	3.48E-07	2.47E-07	5.95E-07
231 ALL	578071.45	4137622.37	2.66E-06	1.73E-06	4.39E-06	3.53E-07	2.50E-07	6.03E-07
232 ALL	578063.99	4137627.52	2.70E-06	1.75E-06	4.45E-06	3.58E-07	2.54E-07	6.12E-07
233 ALL	578056.52	4137632.67	2.74E-06	1.78E-06	4.53E-06	3.64E-07	2.58E-07	6.22E-07
234 ALL	578041.59	4137642.97	2.85E-06	1.85E-06	4.70E-06	3.78E-07	2.68E-07	6.47E-07
235 ALL	578025.19	4137646.56	3.12E-06	2.03E-06	5.15E-06	4.14E-07	2.93E-07	7.08E-07
236 ALL	578016.26	4137644.99	3.35E-06	2.18E-06	5.53E-06	4.45E-07	3.15E-07	7.60E-07
237 ALL	578007.33	4137643.43	3.61E-06	2.34E-06	5.95E-06	4.78E-07	3.39E-07	8.17E-07
238 ALL	577998.39	4137641.86	3.88E-06	2.52E-06	6.40E-06	5.15E-07	3.65E-07	8.79E-07
239 ALL	577989.46	4137640.3	4.17E-06	2.71E-06	6.88E-06	5.54E-07	3.92E-07	9.46E-07
240 ALL	577980.53	4137638.73	4.48E-06	2.91E-06	7.40E-06	5.95E-07	4.21E-07	1.02E-06
241 ALL	577971.59	4137637.17	4.81E-06	3.12E-06	7.93E-06	6.38E-07	4.52E-07	1.09E-06
242 ALL	577962.66	4137635.6	5.15E-06	3.34E-06	8.49E-06	6.83E-07	4.84E-07	1.17E-06
243 ALL	577953.73	4137634.04	5.50E-06	3.57E-06	9.07E-06	7.29E-07	5.17E-07	1.25E-06
244 ALL	577944.79	4137632.47	5.85E-06	3.80E-06	9.65E-06	7.77E-07	5.50E-07	1.33E-06
245 ALL	577935.86	4137630.91	6.21E-06	4.03E-06	1.02E-05	8.24E-07	5.84E-07	1.41E-06
246 ALL	577926.93	4137629.34	6.57E-06	4.27E-06	1.08E-05	8.72E-07	6.18E-07	1.49E-06
247 ALL	577917.99	4137627.78	6.93E-06	4.50E-06	1.14E-05	9.20E-07	6.51E-07	1.57E-06
248 ALL	577909.06	4137626.22	7.28E-06	4.73E-06	1.20E-05	9.67E-07	6.85E-07	1.65E-06
249 ALL	577900.13	4137624.65	7.63E-06	4.96E-06	1.26E-05	1.01E-06	7.17E-07	1.73E-06
250 ALL	577891.19	4137623.09	7.96E-06	5.17E-06	1.31E-05	1.06E-06	7.48E-07	1.80E-06
251 ALL	577882.26	4137621.52	8.25E-06	5.36E-06	1.36E-05	1.10E-06	7.76E-07	1.87E-06

252 ALL	578183.91	4137531.79	3.70E-06	2.40E-06	6.11E-06	4.91E-07	3.48E-07	8.39E-07
253 ALL	578189.05	4137523.92	3.99E-06	2.59E-06	6.58E-06	5.29E-07	3.75E-07	9.05E-07
254 ALL	578194.19	4137516.04	4.30E-06	2.79E-06	7.09E-06	5.71E-07	4.04E-07	9.75E-07
255 ALL	578199.33	4137508.17	4.63E-06	3.01E-06	7.63E-06	6.14E-07	4.35E-07	1.05E-06
256 ALL	578204.47	4137500.29	4.97E-06	3.23E-06	8.20E-06	6.59E-07	4.67E-07	1.13E-06
257 ALL	578209.61	4137492.42	5.32E-06	3.45E-06	8.77E-06	7.06E-07	5.00E-07	1.21E-06
258 ALL	578214.74	4137484.54	5.67E-06	3.68E-06	9.35E-06	7.52E-07	5.33E-07	1.28E-06
259 ALL	578219.88	4137476.67	6.01E-06	3.91E-06	9.92E-06	7.98E-07	5.65E-07	1.36E-06
260 ALL	578225.02	4137468.79	6.35E-06	4.12E-06	1.05E-05	8.42E-07	5.97E-07	1.44E-06
261 ALL	578176.9	4137571.24	2.57E-06	1.67E-06	4.24E-06	3.41E-07	2.42E-07	5.83E-07
262 ALL	578169.19	4137576.56	2.49E-06	1.62E-06	4.10E-06	3.30E-07	2.34E-07	5.64E-07
263 ALL	578161.49	4137581.87	2.42E-06	1.57E-06	3.99E-06	3.21E-07	2.27E-07	5.48E-07
264 ALL	578153.79	4137587.19	2.36E-06	1.53E-06	3.89E-06	3.13E-07	2.22E-07	5.35E-07
265 ALL	578146.08	4137592.5	2.32E-06	1.50E-06	3.82E-06	3.07E-07	2.18E-07	5.25E-07
266 ALL	578138.38	4137597.82	2.28E-06	1.48E-06	3.77E-06	3.03E-07	2.15E-07	5.18E-07
267 ALL	578130.68	4137603.13	2.26E-06	1.47E-06	3.74E-06	3.01E-07	2.13E-07	5.13E-07
268 ALL	578122.97	4137608.45	2.26E-06	1.47E-06	3.72E-06	2.99E-07	2.12E-07	5.11E-07
269 ALL	578115.27	4137613.76	2.26E-06	1.47E-06	3.72E-06	2.99E-07	2.12E-07	5.11E-07
270 ALL	578107.57	4137619.08	2.26E-06	1.47E-06	3.73E-06	3.00E-07	2.13E-07	5.13E-07
271 ALL	578099.86	4137624.39	2.28E-06	1.48E-06	3.75E-06	3.02E-07	2.14E-07	5.16E-07
272 ALL	578092.16	4137629.71	2.30E-06	1.49E-06	3.79E-06	3.05E-07	2.16E-07	5.20E-07
273 ALL	578084.46	4137635.02	2.32E-06	1.51E-06	3.83E-06	3.08E-07	2.18E-07	5.26E-07
274 ALL	578076.75	4137640.34	2.35E-06	1.53E-06	3.88E-06	3.12E-07	2.21E-07	5.33E-07
275 ALL	578069.05	4137645.65	2.38E-06	1.55E-06	3.93E-06	3.16E-07	2.24E-07	5.40E-07
276 ALL	578061.35	4137650.97	2.42E-06	1.57E-06	4.00E-06	3.21E-07	2.28E-07	5.49E-07
277 ALL	578053.64	4137656.28	2.47E-06	1.60E-06	4.07E-06	3.27E-07	2.32E-07	5.59E-07
278 ALL	578045.94	4137661.6	2.52E-06	1.63E-06	4.15E-06	3.34E-07	2.36E-07	5.70E-07
279 ALL	578029.02	4137665.3	2.74E-06	1.78E-06	4.52E-06	3.64E-07	2.58E-07	6.21E-07
280 ALL	578019.8	4137663.68	2.94E-06	1.91E-06	4.84E-06	3.90E-07	2.76E-07	6.66E-07
281 ALL	578010.58	4137662.07	3.15E-06	2.05E-06	5.20E-06	4.18E-07	2.96E-07	7.14E-07
282 ALL	578001.36	4137660.45	3.38E-06	2.20E-06	5.58E-06	4.49E-07	3.18E-07	7.67E-07
283 ALL	577992.14	4137658.84	3.63E-06	2.36E-06	5.99E-06	4.82E-07	3.41E-07	8.23E-07
284 ALL	577982.92	4137657.22	3.90E-06	2.53E-06	6.43E-06	5.17E-07	3.66E-07	8.83E-07
285 ALL	577973.7	4137655.61	4.17E-06	2.71E-06	6.88E-06	5.54E-07	3.92E-07	9.46E-07
286 ALL	577964.49	4137653.99	4.46E-06	2.90E-06	7.36E-06	5.92E-07	4.19E-07	1.01E-06
287 ALL	577955.27	4137652.38	4.76E-06	3.09E-06	7.85E-06	6.31E-07	4.47E-07	1.08E-06
288 ALL	577946.05	4137650.76	5.06E-06	3.29E-06	8.35E-06	6.71E-07	4.76E-07	1.15E-06
289 ALL	577936.83	4137649.15	5.37E-06	3.49E-06	8.85E-06	7.12E-07	5.04E-07	1.22E-06
290 ALL	577927.61	4137647.53	5.68E-06	3.69E-06	9.37E-06	7.54E-07	5.34E-07	1.29E-06
291 ALL	577918.39	4137645.92	5.99E-06	3.89E-06	9.88E-06	7.95E-07	5.63E-07	1.36E-06
292 ALL	577909.17	4137644.3	6.30E-06	4.09E-06	1.04E-05	8.36E-07	5.92E-07	1.43E-06
293 ALL	577899.95	4137642.69	6.61E-06	4.30E-06	1.09E-05	8.78E-07	6.22E-07	1.50E-06
294 ALL	577890.74	4137641.07	6.91E-06	4.49E-06	1.14E-05	9.17E-07	6.50E-07	1.57E-06
295 ALL	577881.52	4137639.46	7.19E-06	4.67E-06	1.19E-05	9.54E-07	6.76E-07	1.63E-06
296 ALL	577872.3	4137637.84	7.44E-06	4.83E-06	1.23E-05	9.88E-07	6.99E-07	1.69E-06
297 ALL	578184.6	4137565.93	2.67E-06	1.73E-06	4.40E-06	3.54E-07	2.51E-07	6.05E-07
298 ALL	578189.74	4137558.05	2.85E-06	1.85E-06	4.70E-06	3.78E-07	2.68E-07	6.46E-07
299 ALL	578205.16	4137534.43	3.51E-06	2.28E-06	5.80E-06	4.66E-07	3.30E-07	7.97E-07
300 ALL	578210.3	4137526.55	3.78E-06	2.45E-06	6.23E-06	5.01E-07	3.55E-07	8.56E-07
301 ALL	578215.43	4137518.68	4.05E-06	2.63E-06	6.68E-06	5.37E-07	3.80E-07	9.18E-07
302 ALL	578220.57	4137510.8	4.33E-06	2.81E-06	7.15E-06	5.75E-07	4.07E-07	9.82E-07
303 ALL	578225.71	4137502.93	4.62E-06	3.00E-06	7.63E-06	6.14E-07	4.35E-07	1.05E-06
304 ALL	578230.85	4137495.05	4.92E-06	3.19E-06	8.11E-06	6.53E-07	4.62E-07	1.12E-06
305 ALL	578235.99	4137487.18	5.21E-06	3.38E-06	8.59E-06	6.91E-07	4.90E-07	1.18E-06
306 ALL	578241.13	4137479.3	5.50E-06	3.57E-06	9.06E-06	7.29E-07	5.16E-07	1.25E-06
307 ALL	578193.17	4137581.64	2.31E-06	1.50E-06	3.82E-06	3.07E-07	2.17E-07	5.24E-07
308 ALL	578185.62	4137586.84	2.24E-06	1.45E-06	3.69E-06	2.97E-07	2.10E-07	5.07E-07
309 ALL	578178.08	4137592.04	2.18E-06	1.41E-06	3.59E-06	2.89E-07	2.04E-07	4.93E-07
310 ALL	578170.54	4137597.25	2.12E-06	1.38E-06	3.50E-06	2.82E-07	1.99E-07	4.81E-07
311 ALL	578163	4137602.45	2.08E-06	1.35E-06	3.43E-06	2.76E-07	1.95E-07	4.71E-07
312 ALL	578155.46	4137607.65	2.05E-06	1.33E-06	3.38E-06	2.72E-07	1.92E-07	4.64E-07
313 ALL	578147.92	4137612.86	2.02E-06	1.31E-06	3.34E-06	2.68E-07	1.90E-07	4.59E-07
314 ALL	578140.38	4137618.06	2.01E-06	1.31E-06	3.32E-06	2.67E-07	1.89E-07	4.56E-07

315 ALL	578132.84	4137623.26	2.00E-06	1.30E-06	3.31E-06	2.66E-07	1.88E-07	4.54E-07
316 ALL	578125.3	4137628.46	2.00E-06	1.30E-06	3.31E-06	2.66E-07	1.88E-07	4.54E-07
317 ALL	578117.75	4137633.67	2.01E-06	1.31E-06	3.32E-06	2.67E-07	1.89E-07	4.56E-07
318 ALL	578110.21	4137638.87	2.02E-06	1.31E-06	3.33E-06	2.68E-07	1.90E-07	4.58E-07
319 ALL	578102.67	4137644.07	2.04E-06	1.32E-06	3.36E-06	2.70E-07	1.91E-07	4.61E-07
320 ALL	578095.13	4137649.28	2.05E-06	1.33E-06	3.39E-06	2.73E-07	1.93E-07	4.66E-07
321 ALL	578087.59	4137654.48	2.08E-06	1.35E-06	3.43E-06	2.76E-07	1.95E-07	4.71E-07
322 ALL	578080.05	4137659.68	2.10E-06	1.37E-06	3.47E-06	2.79E-07	1.98E-07	4.77E-07
323 ALL	578072.51	4137664.89	2.13E-06	1.39E-06	3.52E-06	2.83E-07	2.01E-07	4.84E-07
324 ALL	578064.97	4137670.09	2.17E-06	1.41E-06	3.57E-06	2.87E-07	2.04E-07	4.91E-07
325 ALL	578057.43	4137675.29	2.20E-06	1.43E-06	3.63E-06	2.92E-07	2.07E-07	4.99E-07
326 ALL	578049.88	4137680.49	2.24E-06	1.45E-06	3.69E-06	2.97E-07	2.10E-07	5.08E-07
327 ALL	578033.32	4137684.12	2.42E-06	1.57E-06	3.99E-06	3.21E-07	2.27E-07	5.49E-07
328 ALL	578024.29	4137682.54	2.58E-06	1.67E-06	4.25E-06	3.42E-07	2.42E-07	5.84E-07
329 ALL	578015.27	4137680.95	2.75E-06	1.79E-06	4.53E-06	3.65E-07	2.58E-07	6.23E-07
330 ALL	578006.25	4137679.37	2.94E-06	1.91E-06	4.84E-06	3.89E-07	2.76E-07	6.65E-07
331 ALL	577997.22	4137677.79	3.13E-06	2.04E-06	5.17E-06	4.16E-07	2.95E-07	7.10E-07
332 ALL	577988.2	4137676.21	3.35E-06	2.17E-06	5.52E-06	4.44E-07	3.14E-07	7.58E-07
333 ALL	577979.17	4137674.63	3.57E-06	2.32E-06	5.88E-06	4.73E-07	3.35E-07	8.09E-07
334 ALL	577970.15	4137673.05	3.80E-06	2.47E-06	6.26E-06	5.04E-07	3.57E-07	8.61E-07
335 ALL	577961.12	4137671.47	4.04E-06	2.62E-06	6.66E-06	5.36E-07	3.79E-07	9.15E-07
336 ALL	577952.1	4137669.89	4.28E-06	2.78E-06	7.06E-06	5.68E-07	4.02E-07	9.70E-07
337 ALL	577943.07	4137668.31	4.53E-06	2.94E-06	7.47E-06	6.01E-07	4.26E-07	1.03E-06
338 ALL	577934.05	4137666.73	4.78E-06	3.11E-06	7.89E-06	6.35E-07	4.50E-07	1.08E-06
339 ALL	577925.03	4137665.15	5.04E-06	3.27E-06	8.31E-06	6.69E-07	4.74E-07	1.14E-06
340 ALL	577916	4137663.57	5.30E-06	3.44E-06	8.74E-06	7.03E-07	4.98E-07	1.20E-06
341 ALL	577906.98	4137661.98	5.56E-06	3.61E-06	9.17E-06	7.38E-07	5.22E-07	1.26E-06
342 ALL	577897.95	4137660.4	5.82E-06	3.78E-06	9.60E-06	7.72E-07	5.47E-07	1.32E-06
343 ALL	577888.93	4137658.82	6.07E-06	3.94E-06	1.00E-05	8.06E-07	5.71E-07	1.38E-06
344 ALL	577879.9	4137657.24	6.32E-06	4.10E-06	1.04E-05	8.38E-07	5.94E-07	1.43E-06
345 ALL	577870.88	4137655.66	6.54E-06	4.25E-06	1.08E-05	8.68E-07	6.15E-07	1.48E-06
346 ALL	577861.85	4137654.08	6.75E-06	4.38E-06	1.11E-05	8.95E-07	6.34E-07	1.53E-06
347 ALL	578200.71	4137576.44	2.40E-06	1.56E-06	3.95E-06	3.18E-07	2.25E-07	5.43E-07
348 ALL	578205.85	4137568.56	2.55E-06	1.66E-06	4.21E-06	3.39E-07	2.40E-07	5.79E-07
349 ALL	578210.98	4137560.69	2.72E-06	1.77E-06	4.49E-06	3.62E-07	2.56E-07	6.18E-07
350 ALL	578226.4	4137537.06	3.34E-06	2.17E-06	5.51E-06	4.43E-07	3.14E-07	7.57E-07
351 ALL	578231.54	4137529.19	3.57E-06	2.32E-06	5.89E-06	4.74E-07	3.36E-07	8.09E-07
352 ALL	578236.68	4137521.31	3.81E-06	2.47E-06	6.29E-06	5.06E-07	3.58E-07	8.64E-07
353 ALL	578241.82	4137513.44	4.06E-06	2.64E-06	6.69E-06	5.38E-07	3.81E-07	9.20E-07
354 ALL	578246.95	4137505.56	4.31E-06	2.80E-06	7.11E-06	5.72E-07	4.05E-07	9.77E-07
355 ALL	578252.09	4137497.69	4.56E-06	2.96E-06	7.52E-06	6.05E-07	4.29E-07	1.03E-06
356 ALL	578257.23	4137489.81	4.80E-06	3.12E-06	7.92E-06	6.37E-07	4.51E-07	1.09E-06
357 ALL	578209.41	4137592.05	2.10E-06	1.36E-06	3.46E-06	2.78E-07	1.97E-07	4.76E-07
358 ALL	578202	4137597.17	2.03E-06	1.32E-06	3.35E-06	2.70E-07	1.91E-07	4.61E-07
359 ALL	578187.18	4137607.39	1.92E-06	1.25E-06	3.17E-06	2.55E-07	1.81E-07	4.36E-07
360 ALL	578172.37	4137617.61	1.85E-06	1.20E-06	3.05E-06	2.46E-07	1.74E-07	4.19E-07
361 ALL	578164.96	4137622.72	1.83E-06	1.19E-06	3.01E-06	2.42E-07	1.72E-07	4.14E-07
362 ALL	578150.15	4137632.94	1.80E-06	1.17E-06	2.97E-06	2.39E-07	1.69E-07	4.07E-07
363 ALL	578135.33	4137643.16	1.79E-06	1.17E-06	2.96E-06	2.38E-07	1.69E-07	4.07E-07
364 ALL	578120.52	4137653.38	1.81E-06	1.17E-06	2.98E-06	2.40E-07	1.70E-07	4.10E-07
365 ALL	578105.71	4137663.6	1.84E-06	1.19E-06	3.03E-06	2.44E-07	1.73E-07	4.16E-07
366 ALL	578098.3	4137668.71	1.85E-06	1.20E-06	3.06E-06	2.46E-07	1.74E-07	4.20E-07
367 ALL	578083.49	4137678.93	1.90E-06	1.23E-06	3.13E-06	2.52E-07	1.78E-07	4.30E-07
368 ALL	578068.67	4137689.15	1.95E-06	1.27E-06	3.21E-06	2.59E-07	1.83E-07	4.42E-07
369 ALL	578053.86	4137699.37	2.01E-06	1.30E-06	3.31E-06	2.66E-07	1.89E-07	4.55E-07
370 ALL	578037.59	4137702.93	2.16E-06	1.40E-06	3.56E-06	2.86E-07	2.03E-07	4.89E-07
371 ALL	578019.86	4137699.83	2.42E-06	1.57E-06	4.00E-06	3.22E-07	2.28E-07	5.49E-07
372 ALL	578011	4137698.27	2.57E-06	1.67E-06	4.25E-06	3.42E-07	2.42E-07	5.84E-07
373 ALL	578002.13	4137696.72	2.74E-06	1.78E-06	4.51E-06	3.63E-07	2.57E-07	6.20E-07
374 ALL	577993.27	4137695.17	2.91E-06	1.89E-06	4.80E-06	3.86E-07	2.73E-07	6.59E-07
375 ALL	577984.4	4137693.62	3.09E-06	2.01E-06	5.10E-06	4.10E-07	2.90E-07	7.00E-07
376 ALL	577966.68	4137690.51	3.47E-06	2.25E-06	5.73E-06	4.61E-07	3.26E-07	7.87E-07
377 ALL	577957.81	4137688.96	3.67E-06	2.38E-06	6.06E-06	4.87E-07	3.45E-07	8.32E-07

378 ALL	577948.95	4137687.4	3.88E-06	2.52E-06	6.39E-06	5.14E-07	3.64E-07	8.78E-07
379 ALL	577940.08	4137685.85	4.08E-06	2.65E-06	6.73E-06	5.42E-07	3.84E-07	9.25E-07
380 ALL	577922.36	4137682.75	4.51E-06	2.93E-06	7.43E-06	5.98E-07	4.24E-07	1.02E-06
381 ALL	577913.49	4137681.19	4.72E-06	3.07E-06	7.79E-06	6.27E-07	4.44E-07	1.07E-06
382 ALL	577904.63	4137679.64	4.94E-06	3.21E-06	8.15E-06	6.55E-07	4.64E-07	1.12E-06
383 ALL	577895.76	4137678.09	5.16E-06	3.35E-06	8.51E-06	6.84E-07	4.85E-07	1.17E-06
384 ALL	577886.9	4137676.53	5.37E-06	3.49E-06	8.86E-06	7.13E-07	5.05E-07	1.22E-06
385 ALL	577869.17	4137673.43	5.78E-06	3.76E-06	9.54E-06	7.67E-07	5.43E-07	1.31E-06
386 ALL	577860.31	4137671.88	5.97E-06	3.88E-06	9.85E-06	7.92E-07	5.61E-07	1.35E-06
387 ALL	577851.44	4137670.32	6.14E-06	3.99E-06	1.01E-05	8.15E-07	5.77E-07	1.39E-06
388 ALL	578221.95	4137579.07	2.31E-06	1.50E-06	3.81E-06	3.06E-07	2.17E-07	5.23E-07
389 ALL	578227.09	4137571.2	2.46E-06	1.60E-06	4.05E-06	3.26E-07	2.31E-07	5.57E-07
390 ALL	578232.23	4137563.32	2.62E-06	1.70E-06	4.32E-06	3.48E-07	2.46E-07	5.94E-07
391 ALL	578252.78	4137531.82	3.38E-06	2.20E-06	5.58E-06	4.49E-07	3.18E-07	7.67E-07
392 ALL	578257.92	4137523.95	3.60E-06	2.34E-06	5.93E-06	4.77E-07	3.38E-07	8.15E-07
393 ALL	578263.06	4137516.07	3.81E-06	2.47E-06	6.29E-06	5.06E-07	3.58E-07	8.64E-07
394 ALL	578268.2	4137508.2	4.02E-06	2.61E-06	6.64E-06	5.34E-07	3.78E-07	9.12E-07
395 ALL	578273.34	4137500.32	4.23E-06	2.75E-06	6.98E-06	5.62E-07	3.98E-07	9.60E-07
396 ALL	578225.32	4137602.7	1.91E-06	1.24E-06	3.15E-06	2.54E-07	1.80E-07	4.34E-07
397 ALL	578217.72	4137607.94	1.85E-06	1.20E-06	3.05E-06	2.46E-07	1.74E-07	4.20E-07
398 ALL	578210.12	4137613.18	1.80E-06	1.17E-06	2.96E-06	2.38E-07	1.69E-07	4.07E-07
399 ALL	578202.52	4137618.42	1.75E-06	1.14E-06	2.89E-06	2.32E-07	1.65E-07	3.97E-07
400 ALL	578194.93	4137623.67	1.71E-06	1.11E-06	2.82E-06	2.27E-07	1.61E-07	3.88E-07
401 ALL	578187.33	4137628.91	1.68E-06	1.09E-06	2.77E-06	2.23E-07	1.58E-07	3.81E-07
402 ALL	578179.73	4137634.15	1.65E-06	1.07E-06	2.73E-06	2.19E-07	1.55E-07	3.75E-07
403 ALL	578172.13	4137639.39	1.64E-06	1.06E-06	2.70E-06	2.17E-07	1.54E-07	3.71E-07
404 ALL	578164.53	4137644.64	1.62E-06	1.06E-06	2.68E-06	2.16E-07	1.53E-07	3.68E-07
405 ALL	578156.93	4137649.88	1.62E-06	1.05E-06	2.67E-06	2.15E-07	1.52E-07	3.67E-07
406 ALL	578149.34	4137655.12	1.62E-06	1.05E-06	2.67E-06	2.14E-07	1.52E-07	3.66E-07
407 ALL	578141.74	4137660.36	1.62E-06	1.05E-06	2.67E-06	2.15E-07	1.52E-07	3.67E-07
408 ALL	578134.14	4137665.6	1.62E-06	1.06E-06	2.68E-06	2.16E-07	1.53E-07	3.68E-07
409 ALL	578126.54	4137670.85	1.63E-06	1.06E-06	2.70E-06	2.17E-07	1.54E-07	3.70E-07
410 ALL	578118.94	4137676.09	1.65E-06	1.07E-06	2.72E-06	2.18E-07	1.55E-07	3.73E-07
411 ALL	578111.34	4137681.33	1.66E-06	1.08E-06	2.74E-06	2.20E-07	1.56E-07	3.77E-07
412 ALL	578103.75	4137686.57	1.68E-06	1.09E-06	2.77E-06	2.23E-07	1.58E-07	3.80E-07
413 ALL	578096.15	4137691.82	1.70E-06	1.10E-06	2.80E-06	2.25E-07	1.59E-07	3.85E-07
414 ALL	578088.55	4137697.06	1.72E-06	1.11E-06	2.83E-06	2.28E-07	1.61E-07	3.89E-07
415 ALL	578080.95	4137702.3	1.74E-06	1.13E-06	2.87E-06	2.30E-07	1.63E-07	3.94E-07
416 ALL	578073.35	4137707.54	1.76E-06	1.14E-06	2.90E-06	2.33E-07	1.65E-07	3.99E-07
417 ALL	578065.76	4137712.79	1.78E-06	1.16E-06	2.94E-06	2.37E-07	1.68E-07	4.05E-07
418 ALL	578058.16	4137718.03	1.81E-06	1.18E-06	2.99E-06	2.40E-07	1.70E-07	4.11E-07
419 ALL	578041.47	4137721.68	1.94E-06	1.26E-06	3.20E-06	2.58E-07	1.82E-07	4.40E-07
420 ALL	578032.37	4137720.09	2.05E-06	1.33E-06	3.38E-06	2.72E-07	1.93E-07	4.65E-07
421 ALL	578023.28	4137718.49	2.17E-06	1.41E-06	3.58E-06	2.88E-07	2.04E-07	4.92E-07
422 ALL	578014.19	4137716.9	2.30E-06	1.50E-06	3.80E-06	3.05E-07	2.16E-07	5.22E-07
423 ALL	578005.09	4137715.31	2.44E-06	1.59E-06	4.03E-06	3.24E-07	2.30E-07	5.54E-07
424 ALL	577996	4137713.71	2.59E-06	1.68E-06	4.27E-06	3.44E-07	2.44E-07	5.87E-07
425 ALL	577986.91	4137712.12	2.75E-06	1.78E-06	4.53E-06	3.65E-07	2.58E-07	6.23E-07
426 ALL	577977.82	4137710.53	2.91E-06	1.89E-06	4.80E-06	3.86E-07	2.74E-07	6.60E-07
427 ALL	577968.72	4137708.94	3.08E-06	2.00E-06	5.08E-06	4.09E-07	2.90E-07	6.98E-07
428 ALL	577959.63	4137707.34	3.25E-06	2.11E-06	5.37E-06	4.32E-07	3.06E-07	7.38E-07
429 ALL	577950.54	4137705.75	3.43E-06	2.23E-06	5.66E-06	4.55E-07	3.23E-07	7.78E-07
430 ALL	577941.45	4137704.16	3.61E-06	2.35E-06	5.96E-06	4.79E-07	3.40E-07	8.19E-07
431 ALL	577932.35	4137702.56	3.80E-06	2.47E-06	6.26E-06	5.04E-07	3.57E-07	8.61E-07
432 ALL	577923.26	4137700.97	3.98E-06	2.59E-06	6.57E-06	5.28E-07	3.74E-07	9.03E-07
433 ALL	577914.17	4137699.38	4.17E-06	2.71E-06	6.88E-06	5.54E-07	3.92E-07	9.46E-07
434 ALL	577905.07	4137697.79	4.36E-06	2.83E-06	7.20E-06	5.79E-07	4.10E-07	9.89E-07
435 ALL	577895.98	4137696.19	4.56E-06	2.96E-06	7.51E-06	6.05E-07	4.28E-07	1.03E-06
436 ALL	577886.89	4137694.6	4.75E-06	3.08E-06	7.83E-06	6.30E-07	4.46E-07	1.08E-06
437 ALL	577877.8	4137693.01	4.94E-06	3.21E-06	8.15E-06	6.55E-07	4.64E-07	1.12E-06
438 ALL	577868.7	4137691.41	5.12E-06	3.33E-06	8.45E-06	6.80E-07	4.82E-07	1.16E-06
439 ALL	577859.61	4137689.82	5.30E-06	3.44E-06	8.74E-06	7.03E-07	4.98E-07	1.20E-06
440 ALL	577850.52	4137688.23	5.47E-06	3.55E-06	9.02E-06	7.25E-07	5.14E-07	1.24E-06



441 ALL	577841.42	4137686.64	5.62E-06	3.65E-06	9.27E-06	7.45E-07	5.28E-07	1.27E-06
442 ALL	578232.92	4137597.45	1.98E-06	1.29E-06	3.27E-06	2.63E-07	1.86E-07	4.49E-07
443 ALL	578238.06	4137589.58	2.10E-06	1.36E-06	3.46E-06	2.78E-07	1.97E-07	4.76E-07
444 ALL	578243.19	4137581.7	2.23E-06	1.45E-06	3.68E-06	2.96E-07	2.10E-07	5.05E-07
445 ALL	578248.33	4137573.83	2.37E-06	1.54E-06	3.91E-06	3.15E-07	2.23E-07	5.37E-07
446 ALL	578253.47	4137565.96	2.52E-06	1.64E-06	4.16E-06	3.35E-07	2.37E-07	5.72E-07
447 ALL	578274.03	4137534.46	3.21E-06	2.09E-06	5.30E-06	4.26E-07	3.02E-07	7.28E-07
448 ALL	578279.17	4137526.58	3.40E-06	2.21E-06	5.60E-06	4.51E-07	3.19E-07	7.70E-07
449 ALL	578284.3	4137518.71	3.58E-06	2.33E-06	5.91E-06	4.75E-07	3.36E-07	8.12E-07
450 ALL	578289.44	4137510.83	3.76E-06	2.44E-06	6.20E-06	4.99E-07	3.54E-07	8.53E-07
451 ALL	578241.55	4137613.12	1.75E-06	1.14E-06	2.89E-06	2.33E-07	1.65E-07	3.98E-07
452 ALL	578234.07	4137618.28	1.70E-06	1.10E-06	2.80E-06	2.26E-07	1.60E-07	3.85E-07
453 ALL	578226.6	4137623.44	1.65E-06	1.07E-06	2.72E-06	2.19E-07	1.55E-07	3.74E-07
454 ALL	578219.12	4137628.59	1.61E-06	1.04E-06	2.65E-06	2.13E-07	1.51E-07	3.64E-07
455 ALL	578211.65	4137633.75	1.57E-06	1.02E-06	2.59E-06	2.08E-07	1.48E-07	3.56E-07
456 ALL	578204.17	4137638.91	1.54E-06	1.00E-06	2.54E-06	2.04E-07	1.45E-07	3.49E-07
457 ALL	578196.7	4137644.07	1.51E-06	9.83E-07	2.50E-06	2.01E-07	1.42E-07	3.43E-07
458 ALL	578189.22	4137649.22	1.49E-06	9.71E-07	2.46E-06	1.98E-07	1.40E-07	3.39E-07
459 ALL	578181.75	4137654.38	1.48E-06	9.61E-07	2.44E-06	1.96E-07	1.39E-07	3.35E-07
460 ALL	578174.27	4137659.54	1.47E-06	9.55E-07	2.43E-06	1.95E-07	1.38E-07	3.33E-07
461 ALL	578166.79	4137664.7	1.47E-06	9.52E-07	2.42E-06	1.94E-07	1.38E-07	3.32E-07
462 ALL	578159.32	4137669.85	1.46E-06	9.51E-07	2.42E-06	1.94E-07	1.38E-07	3.32E-07
463 ALL	578151.84	4137675.01	1.47E-06	9.53E-07	2.42E-06	1.95E-07	1.38E-07	3.33E-07
464 ALL	578144.37	4137680.17	1.47E-06	9.57E-07	2.43E-06	1.95E-07	1.38E-07	3.34E-07
465 ALL	578136.89	4137685.33	1.48E-06	9.62E-07	2.44E-06	1.97E-07	1.39E-07	3.36E-07
466 ALL	578129.42	4137690.48	1.49E-06	9.69E-07	2.46E-06	1.98E-07	1.40E-07	3.38E-07
467 ALL	578121.94	4137695.64	1.50E-06	9.77E-07	2.48E-06	2.00E-07	1.41E-07	3.41E-07
468 ALL	578114.47	4137700.8	1.52E-06	9.86E-07	2.50E-06	2.01E-07	1.43E-07	3.44E-07
469 ALL	578106.99	4137705.96	1.53E-06	9.95E-07	2.53E-06	2.03E-07	1.44E-07	3.47E-07
470 ALL	578099.52	4137711.11	1.55E-06	1.01E-06	2.55E-06	2.05E-07	1.45E-07	3.51E-07
471 ALL	578092.04	4137716.27	1.56E-06	1.02E-06	2.58E-06	2.08E-07	1.47E-07	3.55E-07
472 ALL	578084.57	4137721.43	1.58E-06	1.03E-06	2.61E-06	2.10E-07	1.49E-07	3.59E-07
473 ALL	578077.09	4137726.59	1.60E-06	1.04E-06	2.64E-06	2.13E-07	1.51E-07	3.63E-07
474 ALL	578069.62	4137731.74	1.62E-06	1.05E-06	2.68E-06	2.15E-07	1.53E-07	3.68E-07
475 ALL	578062.14	4137736.9	1.65E-06	1.07E-06	2.72E-06	2.19E-07	1.55E-07	3.73E-07
476 ALL	578045.72	4137740.49	1.76E-06	1.14E-06	2.90E-06	2.33E-07	1.65E-07	3.98E-07
477 ALL	578036.78	4137738.92	1.85E-06	1.20E-06	3.05E-06	2.45E-07	1.74E-07	4.19E-07
478 ALL	578027.83	4137737.36	1.95E-06	1.26E-06	3.21E-06	2.58E-07	1.83E-07	4.41E-07
479 ALL	578018.88	4137735.79	2.05E-06	1.33E-06	3.39E-06	2.73E-07	1.93E-07	4.66E-07
480 ALL	578009.94	4137734.22	2.17E-06	1.41E-06	3.58E-06	2.88E-07	2.04E-07	4.92E-07
481 ALL	578000.99	4137732.66	2.29E-06	1.49E-06	3.78E-06	3.04E-07	2.15E-07	5.20E-07
482 ALL	577992.05	4137731.09	2.42E-06	1.57E-06	4.00E-06	3.21E-07	2.28E-07	5.49E-07
483 ALL	577983.1	4137729.52	2.56E-06	1.66E-06	4.22E-06	3.40E-07	2.40E-07	5.80E-07
484 ALL	577974.16	4137727.95	2.70E-06	1.75E-06	4.45E-06	3.58E-07	2.54E-07	6.12E-07
485 ALL	577965.21	4137726.39	2.84E-06	1.85E-06	4.69E-06	3.77E-07	2.67E-07	6.45E-07
486 ALL	577956.27	4137724.82	2.99E-06	1.94E-06	4.93E-06	3.97E-07	2.81E-07	6.78E-07
487 ALL	577947.32	4137723.25	3.14E-06	2.04E-06	5.18E-06	4.17E-07	2.95E-07	7.12E-07
488 ALL	577938.37	4137721.69	3.29E-06	2.14E-06	5.43E-06	4.37E-07	3.09E-07	7.46E-07
489 ALL	577929.43	4137720.12	3.45E-06	2.24E-06	5.69E-06	4.58E-07	3.24E-07	7.82E-07
490 ALL	577920.48	4137718.55	3.61E-06	2.34E-06	5.95E-06	4.79E-07	3.39E-07	8.18E-07
491 ALL	577911.54	4137716.99	3.77E-06	2.45E-06	6.22E-06	5.00E-07	3.54E-07	8.55E-07
492 ALL	577902.59	4137715.42	3.93E-06	2.56E-06	6.49E-06	5.22E-07	3.70E-07	8.92E-07
493 ALL	577893.65	4137713.85	4.10E-06	2.66E-06	6.76E-06	5.44E-07	3.85E-07	9.29E-07
494 ALL	577884.7	4137712.28	4.26E-06	2.77E-06	7.03E-06	5.66E-07	4.01E-07	9.67E-07
495 ALL	577875.76	4137710.72	4.43E-06	2.88E-06	7.30E-06	5.88E-07	4.16E-07	1.00E-06
496 ALL	577866.81	4137709.15	4.59E-06	2.98E-06	7.57E-06	6.09E-07	4.31E-07	1.04E-06
497 ALL	577857.86	4137707.58	4.75E-06	3.08E-06	7.83E-06	6.30E-07	4.46E-07	1.08E-06
498 ALL	577848.92	4137706.02	4.90E-06	3.18E-06	8.08E-06	6.50E-07	4.60E-07	1.11E-06
499 ALL	577839.97	4137704.45	5.04E-06	3.27E-06	8.32E-06	6.69E-07	4.74E-07	1.14E-06
500 ALL	577831.03	4137702.88	5.17E-06	3.36E-06	8.53E-06	6.86E-07	4.86E-07	1.17E-06
501 ALL	578254.16	4137600.09	1.92E-06	1.25E-06	3.17E-06	2.55E-07	1.80E-07	4.35E-07
502 ALL	578259.3	4137592.21	2.03E-06	1.32E-06	3.36E-06	2.70E-07	1.91E-07	4.61E-07
503 ALL	578264.44	4137584.34	2.16E-06	1.40E-06	3.56E-06	2.86E-07	2.03E-07	4.89E-07

504 ALL	578269.58	4137576.46	2.29E-06	1.49E-06	3.78E-06	3.04E-07	2.15E-07	5.19E-07
505 ALL	578274.72	4137568.59	2.43E-06	1.58E-06	4.01E-06	3.22E-07	2.28E-07	5.51E-07
506 ALL	578279.85	4137560.72	2.58E-06	1.67E-06	4.25E-06	3.42E-07	2.42E-07	5.84E-07
507 ALL	578295.27	4137537.09	3.05E-06	1.98E-06	5.03E-06	4.04E-07	2.86E-07	6.91E-07
508 ALL	578300.41	4137529.22	3.21E-06	2.08E-06	5.29E-06	4.25E-07	3.01E-07	7.27E-07
509 ALL	578257.48	4137623.75	1.62E-06	1.05E-06	2.67E-06	2.14E-07	1.52E-07	3.66E-07
510 ALL	578249.84	4137629.02	1.57E-06	1.02E-06	2.58E-06	2.08E-07	1.47E-07	3.55E-07
511 ALL	578242.2	4137634.29	1.52E-06	9.87E-07	2.51E-06	2.02E-07	1.43E-07	3.44E-07
512 ALL	578234.56	4137639.57	1.48E-06	9.60E-07	2.44E-06	1.96E-07	1.39E-07	3.35E-07
513 ALL	578226.91	4137644.84	1.44E-06	9.37E-07	2.38E-06	1.91E-07	1.36E-07	3.27E-07
514 ALL	578219.27	4137650.11	1.41E-06	9.17E-07	2.33E-06	1.87E-07	1.33E-07	3.20E-07
515 ALL	578211.63	4137655.38	1.39E-06	9.01E-07	2.29E-06	1.84E-07	1.30E-07	3.14E-07
516 ALL	578203.99	4137660.66	1.37E-06	8.88E-07	2.25E-06	1.81E-07	1.28E-07	3.10E-07
517 ALL	578196.34	4137665.93	1.35E-06	8.78E-07	2.23E-06	1.79E-07	1.27E-07	3.06E-07
518 ALL	578188.7	4137671.2	1.34E-06	8.71E-07	2.21E-06	1.78E-07	1.26E-07	3.04E-07
519 ALL	578181.06	4137676.48	1.34E-06	8.67E-07	2.20E-06	1.77E-07	1.26E-07	3.03E-07
520 ALL	578173.41	4137681.75	1.33E-06	8.66E-07	2.20E-06	1.77E-07	1.25E-07	3.02E-07
521 ALL	578165.77	4137687.02	1.34E-06	8.67E-07	2.20E-06	1.77E-07	1.26E-07	3.03E-07
522 ALL	578158.13	4137692.3	1.34E-06	8.70E-07	2.21E-06	1.78E-07	1.26E-07	3.04E-07
523 ALL	578150.49	4137697.57	1.35E-06	8.75E-07	2.22E-06	1.79E-07	1.27E-07	3.05E-07
524 ALL	578142.84	4137702.84	1.36E-06	8.80E-07	2.24E-06	1.80E-07	1.27E-07	3.07E-07
525 ALL	578135.2	4137708.11	1.37E-06	8.87E-07	2.25E-06	1.81E-07	1.28E-07	3.10E-07
526 ALL	578127.56	4137713.39	1.38E-06	8.94E-07	2.27E-06	1.83E-07	1.29E-07	3.12E-07
527 ALL	578119.92	4137718.66	1.39E-06	9.02E-07	2.29E-06	1.84E-07	1.31E-07	3.15E-07
528 ALL	578112.27	4137723.93	1.40E-06	9.10E-07	2.31E-06	1.86E-07	1.32E-07	3.18E-07
529 ALL	578104.63	4137729.21	1.42E-06	9.19E-07	2.33E-06	1.88E-07	1.33E-07	3.21E-07
530 ALL	578096.99	4137734.48	1.43E-06	9.28E-07	2.36E-06	1.90E-07	1.34E-07	3.24E-07
531 ALL	578089.35	4137739.75	1.45E-06	9.39E-07	2.38E-06	1.92E-07	1.36E-07	3.28E-07
532 ALL	578081.7	4137745.03	1.46E-06	9.50E-07	2.41E-06	1.94E-07	1.38E-07	3.32E-07
533 ALL	578074.06	4137750.3	1.48E-06	9.63E-07	2.44E-06	1.97E-07	1.39E-07	3.36E-07
534 ALL	578066.42	4137755.57	1.50E-06	9.75E-07	2.48E-06	1.99E-07	1.41E-07	3.40E-07
535 ALL	578049.63	4137759.24	1.60E-06	1.04E-06	2.64E-06	2.12E-07	1.50E-07	3.62E-07
536 ALL	578040.48	4137757.64	1.68E-06	1.09E-06	2.77E-06	2.23E-07	1.58E-07	3.81E-07
537 ALL	578031.34	4137756.04	1.77E-06	1.15E-06	2.92E-06	2.35E-07	1.66E-07	4.01E-07
538 ALL	578022.19	4137754.44	1.86E-06	1.21E-06	3.07E-06	2.47E-07	1.75E-07	4.22E-07
539 ALL	578013.04	4137752.83	1.96E-06	1.28E-06	3.24E-06	2.61E-07	1.85E-07	4.45E-07
540 ALL	578003.9	4137751.23	2.07E-06	1.35E-06	3.42E-06	2.75E-07	1.95E-07	4.70E-07
541 ALL	577994.75	4137749.63	2.19E-06	1.42E-06	3.60E-06	2.90E-07	2.05E-07	4.95E-07
542 ALL	577985.61	4137748.03	2.30E-06	1.50E-06	3.80E-06	3.06E-07	2.17E-07	5.22E-07
543 ALL	577976.46	4137746.43	2.43E-06	1.58E-06	4.00E-06	3.22E-07	2.28E-07	5.50E-07
544 ALL	577967.31	4137744.82	2.55E-06	1.66E-06	4.21E-06	3.39E-07	2.40E-07	5.79E-07
545 ALL	577958.17	4137743.22	2.68E-06	1.74E-06	4.43E-06	3.56E-07	2.52E-07	6.08E-07
546 ALL	577949.02	4137741.62	2.81E-06	1.83E-06	4.64E-06	3.73E-07	2.64E-07	6.38E-07
547 ALL	577939.88	4137740.02	2.95E-06	1.91E-06	4.86E-06	3.91E-07	2.77E-07	6.68E-07
548 ALL	577930.73	4137738.41	3.09E-06	2.00E-06	5.09E-06	4.10E-07	2.90E-07	7.00E-07
549 ALL	577921.58	4137736.81	3.23E-06	2.10E-06	5.32E-06	4.28E-07	3.03E-07	7.32E-07
550 ALL	577912.44	4137735.21	3.37E-06	2.19E-06	5.56E-06	4.48E-07	3.17E-07	7.65E-07
551 ALL	577903.29	4137733.61	3.52E-06	2.28E-06	5.80E-06	4.67E-07	3.30E-07	7.97E-07
552 ALL	577894.15	4137732.01	3.66E-06	2.38E-06	6.04E-06	4.86E-07	3.44E-07	8.30E-07
553 ALL	577885	4137730.4	3.81E-06	2.47E-06	6.28E-06	5.06E-07	3.58E-07	8.64E-07
554 ALL	577875.85	4137728.8	3.96E-06	2.57E-06	6.53E-06	5.25E-07	3.72E-07	8.97E-07
555 ALL	577866.71	4137727.2	4.11E-06	2.67E-06	6.77E-06	5.45E-07	3.86E-07	9.31E-07
556 ALL	577857.56	4137725.6	4.25E-06	2.76E-06	7.01E-06	5.64E-07	4.00E-07	9.64E-07
557 ALL	577848.42	4137724	4.39E-06	2.85E-06	7.25E-06	5.83E-07	4.13E-07	9.96E-07
558 ALL	577839.27	4137722.39	4.53E-06	2.94E-06	7.47E-06	6.01E-07	4.26E-07	1.03E-06
559 ALL	577830.12	4137720.79	4.66E-06	3.02E-06	7.68E-06	6.18E-07	4.38E-07	1.06E-06
560 ALL	577820.98	4137719.19	4.77E-06	3.10E-06	7.88E-06	6.34E-07	4.49E-07	1.08E-06
561 ALL	578265.13	4137618.47	1.67E-06	1.09E-06	2.76E-06	2.22E-07	1.57E-07	3.79E-07
562 ALL	578270.27	4137610.6	1.76E-06	1.15E-06	2.91E-06	2.34E-07	1.66E-07	4.00E-07
563 ALL	578275.4	4137602.72	1.87E-06	1.21E-06	3.08E-06	2.48E-07	1.75E-07	4.23E-07
564 ALL	578280.54	4137594.85	1.98E-06	1.28E-06	3.26E-06	2.62E-07	1.86E-07	4.48E-07
565 ALL	578285.68	4137586.97	2.09E-06	1.36E-06	3.45E-06	2.78E-07	1.97E-07	4.74E-07
566 ALL	578290.82	4137579.1	2.21E-06	1.44E-06	3.65E-06	2.94E-07	2.08E-07	5.02E-07

567 ALL	578295.96	4137571.22	2.34E-06	1.52E-06	3.87E-06	3.11E-07	2.20E-07	5.31E-07
568 ALL	578301.1	4137563.35	2.48E-06	1.61E-06	4.09E-06	3.29E-07	2.33E-07	5.61E-07
569 ALL	578337.07	4137508.23	3.43E-06	2.22E-06	5.65E-06	4.54E-07	3.22E-07	7.76E-07
570 ALL	578342.21	4137500.35	3.55E-06	2.30E-06	5.85E-06	4.71E-07	3.33E-07	8.04E-07
571 ALL	578273.7	4137634.18	1.50E-06	9.72E-07	2.47E-06	1.99E-07	1.41E-07	3.39E-07
572 ALL	578266.17	4137639.37	1.45E-06	9.42E-07	2.39E-06	1.92E-07	1.36E-07	3.29E-07
573 ALL	578258.64	4137644.57	1.41E-06	9.15E-07	2.32E-06	1.87E-07	1.32E-07	3.19E-07
574 ALL	578251.12	4137649.76	1.37E-06	8.90E-07	2.26E-06	1.82E-07	1.29E-07	3.11E-07
575 ALL	578243.59	4137654.96	1.34E-06	8.68E-07	2.21E-06	1.77E-07	1.26E-07	3.03E-07
576 ALL	578236.06	4137660.15	1.31E-06	8.49E-07	2.16E-06	1.74E-07	1.23E-07	2.96E-07
577 ALL	578228.53	4137665.35	1.28E-06	8.33E-07	2.12E-06	1.70E-07	1.21E-07	2.91E-07
578 ALL	578221	4137670.54	1.26E-06	8.20E-07	2.08E-06	1.67E-07	1.19E-07	2.86E-07
579 ALL	578213.47	4137675.74	1.25E-06	8.09E-07	2.06E-06	1.65E-07	1.17E-07	2.82E-07
580 ALL	578205.94	4137680.93	1.23E-06	8.02E-07	2.04E-06	1.64E-07	1.16E-07	2.80E-07
581 ALL	578198.41	4137686.13	1.23E-06	7.97E-07	2.02E-06	1.63E-07	1.15E-07	2.78E-07
582 ALL	578190.88	4137691.32	1.22E-06	7.94E-07	2.02E-06	1.62E-07	1.15E-07	2.77E-07
583 ALL	578183.35	4137696.51	1.22E-06	7.93E-07	2.01E-06	1.62E-07	1.15E-07	2.77E-07
584 ALL	578175.82	4137701.71	1.22E-06	7.94E-07	2.02E-06	1.62E-07	1.15E-07	2.77E-07
585 ALL	578168.29	4137706.9	1.23E-06	7.97E-07	2.02E-06	1.63E-07	1.15E-07	2.78E-07
586 ALL	578160.76	4137712.1	1.23E-06	8.01E-07	2.03E-06	1.64E-07	1.16E-07	2.79E-07
587 ALL	578153.23	4137717.29	1.24E-06	8.06E-07	2.05E-06	1.65E-07	1.17E-07	2.81E-07
588 ALL	578145.7	4137722.49	1.25E-06	8.11E-07	2.06E-06	1.66E-07	1.17E-07	2.83E-07
589 ALL	578138.18	4137727.68	1.26E-06	8.17E-07	2.08E-06	1.67E-07	1.18E-07	2.85E-07
590 ALL	578130.65	4137732.88	1.27E-06	8.24E-07	2.09E-06	1.68E-07	1.19E-07	2.87E-07
591 ALL	578123.12	4137738.07	1.28E-06	8.31E-07	2.11E-06	1.70E-07	1.20E-07	2.90E-07
592 ALL	578115.59	4137743.27	1.29E-06	8.39E-07	2.13E-06	1.71E-07	1.21E-07	2.93E-07
593 ALL	578108.06	4137748.46	1.30E-06	8.47E-07	2.15E-06	1.73E-07	1.23E-07	2.95E-07
594 ALL	578100.53	4137753.66	1.32E-06	8.55E-07	2.17E-06	1.75E-07	1.24E-07	2.98E-07
595 ALL	578093	4137758.85	1.33E-06	8.64E-07	2.19E-06	1.77E-07	1.25E-07	3.02E-07
596 ALL	578085.47	4137764.05	1.35E-06	8.74E-07	2.22E-06	1.78E-07	1.26E-07	3.05E-07
597 ALL	578077.94	4137769.24	1.36E-06	8.84E-07	2.24E-06	1.81E-07	1.28E-07	3.08E-07
598 ALL	578070.41	4137774.44	1.38E-06	8.94E-07	2.27E-06	1.83E-07	1.29E-07	3.12E-07
599 ALL	578053.87	4137778.05	1.46E-06	9.48E-07	2.41E-06	1.94E-07	1.37E-07	3.31E-07
600 ALL	578044.86	4137776.48	1.53E-06	9.93E-07	2.52E-06	2.03E-07	1.44E-07	3.46E-07
601 ALL	578035.85	4137774.9	1.60E-06	1.04E-06	2.65E-06	2.13E-07	1.51E-07	3.63E-07
602 ALL	578026.84	4137773.32	1.68E-06	1.09E-06	2.78E-06	2.23E-07	1.58E-07	3.82E-07
603 ALL	578017.83	4137771.74	1.77E-06	1.15E-06	2.92E-06	2.35E-07	1.66E-07	4.01E-07
604 ALL	578008.82	4137770.16	1.86E-06	1.21E-06	3.07E-06	2.47E-07	1.75E-07	4.22E-07
605 ALL	577999.81	4137768.58	1.96E-06	1.27E-06	3.23E-06	2.60E-07	1.84E-07	4.44E-07
606 ALL	577990.8	4137767	2.06E-06	1.34E-06	3.39E-06	2.73E-07	1.93E-07	4.66E-07
607 ALL	577981.79	4137765.43	2.16E-06	1.40E-06	3.56E-06	2.87E-07	2.03E-07	4.90E-07
608 ALL	577972.78	4137763.85	2.27E-06	1.47E-06	3.74E-06	3.01E-07	2.13E-07	5.14E-07
609 ALL	577963.77	4137762.27	2.38E-06	1.55E-06	3.92E-06	3.16E-07	2.24E-07	5.39E-07
610 ALL	577954.76	4137760.69	2.49E-06	1.62E-06	4.11E-06	3.31E-07	2.34E-07	5.65E-07
611 ALL	577945.75	4137759.11	2.61E-06	1.69E-06	4.30E-06	3.46E-07	2.45E-07	5.91E-07
612 ALL	577936.74	4137757.53	2.72E-06	1.77E-06	4.49E-06	3.61E-07	2.56E-07	6.17E-07
613 ALL	577927.73	4137755.96	2.84E-06	1.85E-06	4.69E-06	3.77E-07	2.67E-07	6.44E-07
614 ALL	577918.72	4137754.38	2.97E-06	1.93E-06	4.89E-06	3.93E-07	2.79E-07	6.72E-07
615 ALL	577909.71	4137752.8	3.09E-06	2.01E-06	5.09E-06	4.10E-07	2.90E-07	7.00E-07
616 ALL	577900.7	4137751.22	3.21E-06	2.09E-06	5.30E-06	4.26E-07	3.02E-07	7.28E-07
617 ALL	577891.69	4137749.64	3.33E-06	2.17E-06	5.50E-06	4.42E-07	3.13E-07	7.56E-07
618 ALL	577882.68	4137748.06	3.46E-06	2.25E-06	5.71E-06	4.59E-07	3.25E-07	7.85E-07
619 ALL	577873.67	4137746.49	3.59E-06	2.33E-06	5.92E-06	4.76E-07	3.37E-07	8.14E-07
620 ALL	577864.66	4137744.91	3.72E-06	2.42E-06	6.14E-06	4.94E-07	3.50E-07	8.43E-07
621 ALL	577855.65	4137743.33	3.85E-06	2.50E-06	6.35E-06	5.11E-07	3.62E-07	8.72E-07
622 ALL	577846.64	4137741.75	3.98E-06	2.58E-06	6.56E-06	5.28E-07	3.74E-07	9.01E-07
623 ALL	577837.62	4137740.17	4.10E-06	2.66E-06	6.76E-06	5.44E-07	3.85E-07	9.29E-07
624 ALL	577828.61	4137738.59	4.22E-06	2.74E-06	6.95E-06	5.59E-07	3.96E-07	9.56E-07
625 ALL	577819.6	4137737.02	4.33E-06	2.81E-06	7.14E-06	5.74E-07	4.07E-07	9.81E-07
626 ALL	577810.59	4137735.44	4.44E-06	2.88E-06	7.32E-06	5.88E-07	4.17E-07	1.01E-06
627 ALL	578281.23	4137628.98	1.55E-06	1.00E-06	2.55E-06	2.05E-07	1.45E-07	3.50E-07
628 ALL	578286.37	4137621.11	1.63E-06	1.06E-06	2.69E-06	2.16E-07	1.53E-07	3.69E-07
629 ALL	578291.51	4137613.23	1.72E-06	1.12E-06	2.84E-06	2.28E-07	1.62E-07	3.90E-07

630 ALL	578296.65	4137605.36	1.82E-06	1.18E-06	3.00E-06	2.41E-07	1.71E-07	4.12E-07
631 ALL	578301.79	4137597.48	1.92E-06	1.25E-06	3.17E-06	2.55E-07	1.80E-07	4.35E-07
632 ALL	578306.93	4137589.61	2.03E-06	1.32E-06	3.34E-06	2.69E-07	1.91E-07	4.60E-07
633 ALL	578312.06	4137581.73	2.14E-06	1.39E-06	3.53E-06	2.84E-07	2.01E-07	4.85E-07
634 ALL	578317.2	4137573.86	2.26E-06	1.47E-06	3.72E-06	2.99E-07	2.12E-07	5.11E-07
635 ALL	578322.34	4137565.99	2.38E-06	1.54E-06	3.92E-06	3.15E-07	2.23E-07	5.38E-07
636 ALL	578342.9	4137534.49	2.86E-06	1.86E-06	4.72E-06	3.80E-07	2.69E-07	6.49E-07
637 ALL	578348.04	4137526.61	2.98E-06	1.93E-06	4.91E-06	3.95E-07	2.80E-07	6.75E-07
638 ALL	578353.17	4137518.74	3.09E-06	2.01E-06	5.10E-06	4.10E-07	2.91E-07	7.01E-07
639 ALL	578358.31	4137510.86	3.20E-06	2.08E-06	5.28E-06	4.25E-07	3.01E-07	7.26E-07
640 ALL	578080.44	4137309.14	8.88E-05	5.76E-05	1.46E-04	1.18E-05	8.34E-06	2.01E-05
641 ALL	578068.33	4137297.77	1.16E-04	7.51E-05	1.91E-04	1.53E-05	1.09E-05	2.62E-05
642 ALL	578060.56	4137292.72	1.30E-04	8.44E-05	2.14E-04	1.72E-05	1.22E-05	2.95E-05
643 ALL	578052.79	4137287.66	1.37E-04	8.93E-05	2.27E-04	1.82E-05	1.29E-05	3.12E-05
644 ALL	578045.02	4137282.61	1.36E-04	8.84E-05	2.24E-04	1.81E-05	1.28E-05	3.08E-05
645 ALL	578085.89	4137300.76	7.74E-05	5.03E-05	1.28E-04	1.03E-05	7.28E-06	1.76E-05
646 ALL	578093.14	4137320.92	6.49E-05	4.21E-05	1.07E-04	8.61E-06	6.10E-06	1.47E-05
647 ALL	578073.78	4137289.39	9.58E-05	6.22E-05	1.58E-04	1.27E-05	9.00E-06	2.17E-05
648 ALL	578066.01	4137284.33	1.06E-04	6.85E-05	1.74E-04	1.40E-05	9.92E-06	2.39E-05
649 ALL	578058.24	4137279.28	1.11E-04	7.20E-05	1.83E-04	1.47E-05	1.04E-05	2.51E-05
650 ALL	578050.47	4137274.22	1.11E-04	7.19E-05	1.83E-04	1.47E-05	1.04E-05	2.51E-05
651 ALL	578091.34	4137292.37	6.79E-05	4.41E-05	1.12E-04	9.00E-06	6.38E-06	1.54E-05
652 ALL	578100	4137305.01	5.76E-05	3.74E-05	9.50E-05	7.65E-06	5.42E-06	1.31E-05
653 ALL	578102.93	4137318.86	5.36E-05	3.48E-05	8.83E-05	7.11E-06	5.03E-06	1.21E-05
654 ALL	578079.23	4137281	8.08E-05	5.25E-05	1.33E-04	1.07E-05	7.60E-06	1.83E-05
655 ALL	578071.46	4137275.95	8.76E-05	5.69E-05	1.44E-04	1.16E-05	8.23E-06	1.99E-05
656 ALL	578063.69	4137270.89	9.15E-05	5.94E-05	1.51E-04	1.21E-05	8.60E-06	2.07E-05
657 ALL	578055.92	4137265.84	9.20E-05	5.97E-05	1.52E-04	1.22E-05	8.64E-06	2.08E-05
658 ALL	578096.79	4137283.99	5.98E-05	3.89E-05	9.87E-05	7.94E-06	5.62E-06	1.36E-05
659 ALL	578105.46	4137296.63	5.21E-05	3.38E-05	8.59E-05	6.91E-06	4.90E-06	1.18E-05
660 ALL	578112.71	4137316.79	4.51E-05	2.93E-05	7.44E-05	5.99E-06	4.24E-06	1.02E-05
661 ALL	578109.89	4137331.85	4.58E-05	2.97E-05	7.55E-05	6.07E-06	4.30E-06	1.04E-05
662 ALL	578118.71	4137299.62	4.16E-05	2.70E-05	6.85E-05	5.51E-06	3.91E-06	9.42E-06
663 ALL	578122.21	4137316.23	3.87E-05	2.51E-05	6.39E-05	5.14E-06	3.64E-06	8.78E-06
664 ALL	578120.52	4137325.27	3.92E-05	2.54E-05	6.46E-05	5.20E-06	3.68E-06	8.88E-06
665 ALL	578108.42	4137268.28	4.71E-05	3.06E-05	7.76E-05	6.25E-06	4.42E-06	1.07E-05
666 ALL	578095.59	4137255.85	5.26E-05	3.41E-05	8.67E-05	6.97E-06	4.94E-06	1.19E-05
667 ALL	578087.82	4137250.8	5.54E-05	3.60E-05	9.14E-05	7.35E-06	5.21E-06	1.26E-05
668 ALL	578080.04	4137245.74	5.72E-05	3.72E-05	9.44E-05	7.59E-06	5.38E-06	1.30E-05
669 ALL	578072.27	4137240.69	5.79E-05	3.76E-05	9.55E-05	7.68E-06	5.44E-06	1.31E-05
670 ALL	578113.76	4137259.74	4.24E-05	2.75E-05	6.99E-05	5.62E-06	3.98E-06	9.60E-06
671 ALL	578123.67	4137274.19	3.82E-05	2.48E-05	6.31E-05	5.07E-06	3.59E-06	8.67E-06
672 ALL	578138.64	4137328.89	3.01E-05	1.96E-05	4.97E-05	4.00E-06	2.83E-06	6.83E-06
673 ALL	578135.42	4137346.1	2.99E-05	1.94E-05	4.94E-05	3.97E-06	2.81E-06	6.79E-06
674 ALL	578101.04	4137247.47	4.64E-05	3.02E-05	7.66E-05	6.16E-06	4.37E-06	1.05E-05
675 ALL	578093.27	4137242.42	4.87E-05	3.16E-05	8.03E-05	6.46E-06	4.58E-06	1.10E-05
676 ALL	578085.5	4137237.36	5.02E-05	3.26E-05	8.28E-05	6.66E-06	4.72E-06	1.14E-05
677 ALL	578077.72	4137232.31	5.08E-05	3.30E-05	8.39E-05	6.75E-06	4.78E-06	1.15E-05
678 ALL	578119.14	4137251.25	3.82E-05	2.48E-05	6.30E-05	5.07E-06	3.59E-06	8.66E-06
679 ALL	578128.89	4137265.46	3.51E-05	2.28E-05	5.79E-05	4.66E-06	3.30E-06	7.96E-06
680 ALL	578138.64	4137279.68	3.12E-05	2.03E-05	5.15E-05	4.14E-06	2.93E-06	7.08E-06
681 ALL	578148.5	4137326.42	2.67E-05	1.74E-05	4.41E-05	3.55E-06	2.51E-06	6.06E-06
682 ALL	578145.33	4137343.36	2.67E-05	1.74E-05	4.41E-05	3.55E-06	2.51E-06	6.06E-06
683 ALL	578106.49	4137239.09	4.14E-05	2.69E-05	6.83E-05	5.49E-06	3.89E-06	9.38E-06
684 ALL	578098.72	4137234.03	4.32E-05	2.81E-05	7.13E-05	5.73E-06	4.06E-06	9.80E-06
685 ALL	578090.95	4137228.98	4.45E-05	2.89E-05	7.33E-05	5.90E-06	4.18E-06	1.01E-05
686 ALL	578083.18	4137223.92	4.51E-05	2.93E-05	7.43E-05	5.98E-06	4.23E-06	1.02E-05
687 ALL	578124.53	4137242.78	3.46E-05	2.25E-05	5.71E-05	4.59E-06	3.25E-06	7.85E-06
688 ALL	578134.16	4137256.82	3.23E-05	2.10E-05	5.33E-05	4.29E-06	3.04E-06	7.33E-06
689 ALL	578143.79	4137270.86	2.92E-05	1.89E-05	4.81E-05	3.87E-06	2.74E-06	6.61E-06
690 ALL	578161.48	4137307.3	2.34E-05	1.52E-05	3.86E-05	3.10E-06	2.20E-06	5.30E-06
691 ALL	578158.34	4137324.04	2.39E-05	1.55E-05	3.94E-05	3.17E-06	2.25E-06	5.42E-06
692 ALL	578155.21	4137340.77	2.40E-05	1.56E-05	3.96E-05	3.19E-06	2.26E-06	5.45E-06

693 ALL	578152.08	4137357.51	2.35E-05	1.53E-05	3.88E-05	3.12E-06	2.21E-06	5.33E-06
694 ALL	578111.94	4137230.7	3.72E-05	2.41E-05	6.13E-05	4.93E-06	3.49E-06	8.42E-06
695 ALL	578104.17	4137225.65	3.87E-05	2.51E-05	6.38E-05	5.13E-06	3.63E-06	8.76E-06
696 ALL	578096.4	4137220.59	3.97E-05	2.58E-05	6.55E-05	5.27E-06	3.73E-06	9.00E-06
697 ALL	578088.63	4137215.54	4.03E-05	2.61E-05	6.64E-05	5.34E-06	3.78E-06	9.13E-06
698 ALL	578150.86	4137249.77	2.62E-05	1.70E-05	4.33E-05	3.48E-06	2.47E-06	5.95E-06
699 ALL	578156.03	4137257.3	2.50E-05	1.62E-05	4.12E-05	3.32E-06	2.35E-06	5.67E-06
700 ALL	578171.53	4137279.9	2.12E-05	1.37E-05	3.49E-05	2.81E-06	1.99E-06	4.80E-06
701 ALL	578176.69	4137287.43	2.00E-05	1.30E-05	3.30E-05	2.66E-06	1.88E-06	4.54E-06
702 ALL	578180.18	4137303.94	1.92E-05	1.25E-05	3.17E-05	2.55E-06	1.81E-06	4.36E-06
703 ALL	578178.5	4137312.92	1.95E-05	1.27E-05	3.22E-05	2.59E-06	1.83E-06	4.42E-06
704 ALL	578171.77	4137348.84	1.98E-05	1.29E-05	3.27E-05	2.63E-06	1.86E-06	4.49E-06
705 ALL	578170.09	4137357.81	1.96E-05	1.27E-05	3.23E-05	2.60E-06	1.84E-06	4.44E-06
706 ALL	578168.41	4137366.79	1.92E-05	1.25E-05	3.16E-05	2.55E-06	1.80E-06	4.35E-06
707 ALL	578099.11	4137199.42	3.31E-05	2.15E-05	5.45E-05	4.39E-06	3.11E-06	7.49E-06
708 ALL	578091.34	4137194.36	3.31E-05	2.15E-05	5.46E-05	4.40E-06	3.11E-06	7.51E-06
709 ALL	578145.68	4137210.8	2.48E-05	1.61E-05	4.09E-05	3.29E-06	2.33E-06	5.61E-06
710 ALL	578155.68	4137225.38	2.37E-05	1.54E-05	3.91E-05	3.15E-06	2.23E-06	5.37E-06
711 ALL	578199.05	4137299.68	1.61E-05	1.05E-05	2.66E-05	2.14E-06	1.52E-06	3.66E-06
712 ALL	578195.8	4137317.06	1.65E-05	1.07E-05	2.73E-05	2.19E-06	1.55E-06	3.75E-06
713 ALL	578189.29	4137351.81	1.67E-05	1.09E-05	2.76E-05	2.22E-06	1.57E-06	3.79E-06
714 ALL	578186.04	4137369.19	1.62E-05	1.05E-05	2.68E-05	2.15E-06	1.52E-06	3.68E-06
715 ALL	578132.91	4137198.46	2.60E-05	1.69E-05	4.29E-05	3.45E-06	2.44E-06	5.89E-06
716 ALL	578125.14	4137193.4	2.68E-05	1.74E-05	4.42E-05	3.55E-06	2.52E-06	6.07E-06
717 ALL	578117.37	4137188.35	2.73E-05	1.78E-05	4.51E-05	3.63E-06	2.57E-06	6.20E-06
718 ALL	578109.6	4137183.3	2.77E-05	1.80E-05	4.57E-05	3.67E-06	2.60E-06	6.28E-06
719 ALL	578101.82	4137178.24	2.78E-05	1.81E-05	4.59E-05	3.69E-06	2.61E-06	6.30E-06
720 ALL	578156.05	4137194.51	2.14E-05	1.39E-05	3.53E-05	2.84E-06	2.01E-06	4.85E-06
721 ALL	578165.81	4137208.74	2.07E-05	1.35E-05	3.42E-05	2.75E-06	1.95E-06	4.70E-06
722 ALL	578175.57	4137222.97	1.96E-05	1.28E-05	3.24E-05	2.61E-06	1.85E-06	4.45E-06
723 ALL	578195.09	4137251.44	1.68E-05	1.09E-05	2.77E-05	2.23E-06	1.58E-06	3.81E-06
724 ALL	578214.73	4137312.47	1.41E-05	9.17E-06	2.33E-05	1.87E-06	1.33E-06	3.20E-06
725 ALL	578211.55	4137329.43	1.44E-05	9.33E-06	2.37E-05	1.91E-06	1.35E-06	3.26E-06
726 ALL	578205.2	4137363.36	1.42E-05	9.21E-06	2.34E-05	1.88E-06	1.33E-06	3.21E-06
727 ALL	578202.03	4137380.32	1.36E-05	8.84E-06	2.24E-05	1.81E-06	1.28E-06	3.08E-06
728 ALL	578143.39	4137182.34	2.23E-05	1.45E-05	3.67E-05	2.96E-06	2.09E-06	5.05E-06
729 ALL	578135.62	4137177.28	2.29E-05	1.48E-05	3.77E-05	3.03E-06	2.15E-06	5.18E-06
730 ALL	578166.76	4137178.72	1.87E-05	1.21E-05	3.08E-05	2.48E-06	1.76E-06	4.23E-06
731 ALL	578187.2	4137208.53	1.73E-05	1.13E-05	2.86E-05	2.30E-06	1.63E-06	3.93E-06
732 ALL	578202.53	4137230.89	1.56E-05	1.02E-05	2.58E-05	2.07E-06	1.47E-06	3.54E-06
733 ALL	578212.76	4137245.79	1.44E-05	9.34E-06	2.37E-05	1.91E-06	1.35E-06	3.26E-06
734 ALL	578217.87	4137253.24	1.38E-05	8.96E-06	2.27E-05	1.83E-06	1.30E-06	3.13E-06
735 ALL	578222.98	4137260.69	1.32E-05	8.59E-06	2.18E-05	1.75E-06	1.24E-06	3.00E-06
736 ALL	578228.09	4137268.15	1.27E-05	8.25E-06	2.09E-05	1.69E-06	1.19E-06	2.88E-06
737 ALL	578236.65	4137291.93	1.19E-05	7.75E-06	1.97E-05	1.58E-06	1.12E-06	2.71E-06
738 ALL	578229.99	4137327.46	1.25E-05	8.10E-06	2.06E-05	1.66E-06	1.17E-06	2.83E-06
739 ALL	578226.67	4137345.22	1.25E-05	8.15E-06	2.07E-05	1.66E-06	1.18E-06	2.84E-06
740 ALL	578223.34	4137362.99	1.24E-05	8.04E-06	2.04E-05	1.64E-06	1.16E-06	2.81E-06
741 ALL	578220.02	4137380.75	1.19E-05	7.74E-06	1.97E-05	1.58E-06	1.12E-06	2.70E-06
742 ALL	578218.36	4137389.63	1.16E-05	7.53E-06	1.91E-05	1.54E-06	1.09E-06	2.63E-06
743 ALL	578161.65	4137171.27	1.88E-05	1.22E-05	3.10E-05	2.49E-06	1.77E-06	4.26E-06
744 ALL	578153.88	4137166.22	1.93E-05	1.26E-05	3.19E-05	2.56E-06	1.82E-06	4.38E-06
745 ALL	578146.11	4137161.16	1.98E-05	1.28E-05	3.26E-05	2.62E-06	1.86E-06	4.48E-06
746 ALL	578138.33	4137156.11	2.01E-05	1.31E-05	3.32E-05	2.67E-06	1.89E-06	4.56E-06
747 ALL	578130.56	4137151.05	2.04E-05	1.32E-05	3.36E-05	2.70E-06	1.91E-06	4.61E-06
748 ALL	578122.79	4137146	2.05E-05	1.33E-05	3.38E-05	2.72E-06	1.92E-06	4.64E-06
749 ALL	578177.13	4137162.44	1.65E-05	1.07E-05	2.72E-05	2.18E-06	1.55E-06	3.73E-06
750 ALL	578187.13	4137177.02	1.61E-05	1.05E-05	2.66E-05	2.14E-06	1.52E-06	3.66E-06
751 ALL	578197.13	4137191.6	1.55E-05	1.01E-05	2.56E-05	2.06E-06	1.46E-06	3.52E-06
752 ALL	578202.13	4137198.89	1.52E-05	9.85E-06	2.50E-05	2.01E-06	1.43E-06	3.44E-06
753 ALL	578232.13	4137242.63	1.23E-05	8.00E-06	2.03E-05	1.63E-06	1.16E-06	2.79E-06
754 ALL	578242.13	4137257.21	1.14E-05	7.42E-06	1.88E-05	1.52E-06	1.07E-06	2.59E-06
755 ALL	578252.13	4137271.79	1.07E-05	6.92E-06	1.76E-05	1.41E-06	1.00E-06	2.41E-06

756 ALL	578255.5	4137287.77	1.05E-05	6.79E-06	1.72E-05	1.39E-06	9.82E-07	2.37E-06
757 ALL	578248.99	4137322.52	1.09E-05	7.10E-06	1.80E-05	1.45E-06	1.03E-06	2.48E-06
758 ALL	578245.74	4137339.9	1.10E-05	7.17E-06	1.82E-05	1.46E-06	1.04E-06	2.50E-06
759 ALL	578239.23	4137374.65	1.07E-05	6.95E-06	1.77E-05	1.42E-06	1.01E-06	2.43E-06
760 ALL	578235.98	4137392.03	1.02E-05	6.63E-06	1.69E-05	1.36E-06	9.60E-07	2.32E-06
761 ALL	578232.73	4137409.41	9.53E-06	6.19E-06	1.57E-05	1.26E-06	8.96E-07	2.16E-06
762 ALL	578164.36	4137150.09	1.70E-05	1.10E-05	2.80E-05	2.25E-06	1.59E-06	3.84E-06
763 ALL	578156.59	4137145.04	1.73E-05	1.12E-05	2.85E-05	2.30E-06	1.63E-06	3.92E-06
764 ALL	578148.82	4137139.99	1.76E-05	1.14E-05	2.90E-05	2.33E-06	1.65E-06	3.99E-06
765 ALL	578141.05	4137134.93	1.78E-05	1.15E-05	2.93E-05	2.36E-06	1.67E-06	4.03E-06
766 ALL	578133.27	4137129.88	1.79E-05	1.16E-05	2.95E-05	2.37E-06	1.68E-06	4.05E-06
767 ALL	578198.17	4137161.71	1.44E-05	9.34E-06	2.37E-05	1.91E-06	1.35E-06	3.26E-06
768 ALL	578203.36	4137169.27	1.42E-05	9.21E-06	2.34E-05	1.88E-06	1.33E-06	3.21E-06
769 ALL	578208.54	4137176.83	1.39E-05	9.04E-06	2.30E-05	1.85E-06	1.31E-06	3.16E-06
770 ALL	578213.73	4137184.39	1.36E-05	8.84E-06	2.25E-05	1.81E-06	1.28E-06	3.09E-06
771 ALL	578218.91	4137191.95	1.33E-05	8.62E-06	2.19E-05	1.76E-06	1.25E-06	3.01E-06
772 ALL	578224.09	4137199.51	1.29E-05	8.37E-06	2.13E-05	1.71E-06	1.21E-06	2.92E-06
773 ALL	578229.28	4137207.07	1.25E-05	8.10E-06	2.06E-05	1.66E-06	1.17E-06	2.83E-06
774 ALL	578234.46	4137214.63	1.21E-05	7.83E-06	1.99E-05	1.60E-06	1.13E-06	2.73E-06
775 ALL	578239.65	4137222.19	1.16E-05	7.55E-06	1.92E-05	1.54E-06	1.09E-06	2.64E-06
776 ALL	578270.76	4137267.55	9.41E-06	6.11E-06	1.55E-05	1.25E-06	8.84E-07	2.13E-06
777 ALL	578274.25	4137284.12	9.25E-06	6.01E-06	1.53E-05	1.23E-06	8.69E-07	2.10E-06
778 ALL	578272.57	4137293.13	9.37E-06	6.09E-06	1.55E-05	1.24E-06	8.81E-07	2.12E-06
779 ALL	578270.88	4137302.14	9.49E-06	6.16E-06	1.57E-05	1.26E-06	8.92E-07	2.15E-06
780 ALL	578264.13	4137338.18	9.79E-06	6.36E-06	1.61E-05	1.30E-06	9.20E-07	2.22E-06
781 ALL	578262.45	4137347.19	9.79E-06	6.36E-06	1.61E-05	1.30E-06	9.20E-07	2.22E-06
782 ALL	578260.76	4137356.2	9.75E-06	6.33E-06	1.61E-05	1.29E-06	9.16E-07	2.21E-06
783 ALL	578259.07	4137365.21	9.67E-06	6.28E-06	1.59E-05	1.28E-06	9.08E-07	2.19E-06
784 ALL	578254.01	4137392.24	9.13E-06	5.93E-06	1.51E-05	1.21E-06	8.58E-07	2.07E-06
785 ALL	578252.32	4137401.25	8.87E-06	5.76E-06	1.46E-05	1.18E-06	8.33E-07	2.01E-06
786 ALL	578250.64	4137410.26	8.56E-06	5.56E-06	1.41E-05	1.14E-06	8.05E-07	1.94E-06
787 ALL	578248.95	4137419.28	8.22E-06	5.34E-06	1.36E-05	1.09E-06	7.73E-07	1.86E-06
788 ALL	578233.76	4137182.2	1.18E-05	7.67E-06	1.95E-05	1.57E-06	1.11E-06	2.68E-06
789 ALL	578243.93	4137197.02	1.12E-05	7.26E-06	1.84E-05	1.48E-06	1.05E-06	2.53E-06
790 ALL	578249.01	4137204.43	1.08E-05	7.03E-06	1.79E-05	1.44E-06	1.02E-06	2.45E-06
791 ALL	578259.18	4137219.25	1.01E-05	6.58E-06	1.67E-05	1.34E-06	9.51E-07	2.29E-06
792 ALL	578264.26	4137226.67	9.79E-06	6.35E-06	1.61E-05	1.30E-06	9.20E-07	2.22E-06
793 ALL	578274.43	4137241.49	9.15E-06	5.94E-06	1.51E-05	1.21E-06	8.60E-07	2.07E-06
794 ALL	578279.51	4137248.9	8.87E-06	5.76E-06	1.46E-05	1.18E-06	8.33E-07	2.01E-06
795 ALL	578289.8	4137297.64	8.46E-06	5.50E-06	1.40E-05	1.12E-06	7.95E-07	1.92E-06
796 ALL	578286.49	4137315.3	8.64E-06	5.61E-06	1.43E-05	1.15E-06	8.12E-07	1.96E-06
797 ALL	578279.87	4137350.64	8.75E-06	5.68E-06	1.44E-05	1.16E-06	8.22E-07	1.98E-06
798 ALL	578271.6	4137394.8	8.16E-06	5.30E-06	1.35E-05	1.08E-06	7.67E-07	1.85E-06
799 ALL	578269.95	4137403.64	7.94E-06	5.16E-06	1.31E-05	1.05E-06	7.46E-07	1.80E-06
800 ALL	578266.64	4137421.31	7.41E-06	4.81E-06	1.22E-05	9.83E-07	6.96E-07	1.68E-06
801 ALL	578264.99	4137430.14	7.11E-06	4.62E-06	1.17E-05	9.43E-07	6.68E-07	1.61E-06
802 ALL	578271.67	4137206.07	9.30E-06	6.04E-06	1.53E-05	1.23E-06	8.74E-07	2.11E-06
803 ALL	578276.91	4137213.7	9.00E-06	5.85E-06	1.49E-05	1.19E-06	8.46E-07	2.04E-06
804 ALL	578282.15	4137221.34	8.71E-06	5.66E-06	1.44E-05	1.16E-06	8.19E-07	1.97E-06
805 ALL	578287.39	4137228.98	8.43E-06	5.48E-06	1.39E-05	1.12E-06	7.93E-07	1.91E-06
806 ALL	578292.62	4137236.61	8.17E-06	5.31E-06	1.35E-05	1.08E-06	7.68E-07	1.85E-06
807 ALL	578297.86	4137244.25	7.93E-06	5.15E-06	1.31E-05	1.05E-06	7.46E-07	1.80E-06
808 ALL	578303.1	4137251.89	7.71E-06	5.01E-06	1.27E-05	1.02E-06	7.25E-07	1.75E-06
809 ALL	578308.34	4137259.53	7.51E-06	4.88E-06	1.24E-05	9.96E-07	7.06E-07	1.70E-06
810 ALL	578306.76	4137303.57	7.70E-06	5.00E-06	1.27E-05	1.02E-06	7.24E-07	1.75E-06
811 ALL	578305.05	4137312.68	7.77E-06	5.05E-06	1.28E-05	1.03E-06	7.31E-07	1.76E-06
812 ALL	578303.35	4137321.78	7.83E-06	5.09E-06	1.29E-05	1.04E-06	7.36E-07	1.78E-06
813 ALL	578301.64	4137330.88	7.87E-06	5.11E-06	1.30E-05	1.04E-06	7.40E-07	1.78E-06
814 ALL	578286.31	4137412.8	7.00E-06	4.55E-06	1.16E-05	9.29E-07	6.58E-07	1.59E-06
815 ALL	578284.6	4137421.91	6.77E-06	4.39E-06	1.12E-05	8.98E-07	6.36E-07	1.53E-06
816 ALL	578282.9	4137431.01	6.51E-06	4.23E-06	1.07E-05	8.63E-07	6.12E-07	1.47E-06
817 ALL	578203.59	4137106.78	1.18E-05	7.68E-06	1.95E-05	1.57E-06	1.11E-06	2.68E-06
818 ALL	578195.81	4137101.73	1.21E-05	7.83E-06	1.99E-05	1.60E-06	1.13E-06	2.73E-06

819 ALL	578188.04	4137096.67	1.22E-05	7.95E-06	2.02E-05	1.62E-06	1.15E-06	2.77E-06
820 ALL	578180.27	4137091.62	1.24E-05	8.05E-06	2.04E-05	1.64E-06	1.16E-06	2.81E-06
821 ALL	578172.5	4137086.57	1.25E-05	8.12E-06	2.06E-05	1.66E-06	1.17E-06	2.83E-06
822 ALL	578219.21	4137098.16	1.07E-05	6.96E-06	1.77E-05	1.42E-06	1.01E-06	2.43E-06
823 ALL	578224.36	4137105.66	1.07E-05	6.93E-06	1.76E-05	1.42E-06	1.00E-06	2.42E-06
824 ALL	578229.5	4137113.16	1.06E-05	6.89E-06	1.75E-05	1.41E-06	9.96E-07	2.40E-06
825 ALL	578234.65	4137120.67	1.05E-05	6.82E-06	1.73E-05	1.39E-06	9.88E-07	2.38E-06
826 ALL	578239.79	4137128.17	1.04E-05	6.75E-06	1.71E-05	1.38E-06	9.76E-07	2.35E-06
827 ALL	578306.67	4137225.68	7.52E-06	4.89E-06	1.24E-05	9.98E-07	7.07E-07	1.71E-06
828 ALL	578311.81	4137233.19	7.31E-06	4.75E-06	1.21E-05	9.71E-07	6.87E-07	1.66E-06
829 ALL	578316.96	4137240.69	7.12E-06	4.62E-06	1.17E-05	9.45E-07	6.69E-07	1.61E-06
830 ALL	578322.1	4137248.19	6.94E-06	4.51E-06	1.15E-05	9.21E-07	6.53E-07	1.57E-06
831 ALL	578327.25	4137255.69	6.78E-06	4.40E-06	1.12E-05	9.00E-07	6.37E-07	1.54E-06
832 ALL	578330.72	4137272.13	6.71E-06	4.36E-06	1.11E-05	8.91E-07	6.31E-07	1.52E-06
833 ALL	578320.67	4137325.78	7.13E-06	4.63E-06	1.18E-05	9.45E-07	6.70E-07	1.62E-06
834 ALL	578319	4137334.72	7.15E-06	4.64E-06	1.18E-05	9.49E-07	6.72E-07	1.62E-06
835 ALL	578317.33	4137343.66	7.16E-06	4.65E-06	1.18E-05	9.49E-07	6.72E-07	1.62E-06
836 ALL	578303.93	4137415.18	6.37E-06	4.14E-06	1.05E-05	8.45E-07	5.98E-07	1.44E-06
837 ALL	578300.59	4137433.06	5.96E-06	3.87E-06	9.82E-06	7.90E-07	5.60E-07	1.35E-06
838 ALL	578298.91	4137442	5.73E-06	3.72E-06	9.44E-06	7.60E-07	5.38E-07	1.30E-06
839 ALL	578214.07	4137090.66	1.07E-05	6.96E-06	1.77E-05	1.42E-06	1.01E-06	2.43E-06
840 ALL	578206.3	4137085.61	1.09E-05	7.08E-06	1.80E-05	1.45E-06	1.02E-06	2.47E-06
841 ALL	578198.53	4137080.55	1.11E-05	7.19E-06	1.82E-05	1.47E-06	1.04E-06	2.51E-06
842 ALL	578190.75	4137075.5	1.12E-05	7.27E-06	1.85E-05	1.49E-06	1.05E-06	2.54E-06
843 ALL	578182.98	4137070.44	1.13E-05	7.33E-06	1.86E-05	1.50E-06	1.06E-06	2.56E-06
844 ALL	578229.62	4137081.93	9.76E-06	6.34E-06	1.61E-05	1.29E-06	9.17E-07	2.21E-06
845 ALL	578239.75	4137096.7	9.68E-06	6.29E-06	1.60E-05	1.28E-06	9.10E-07	2.19E-06
846 ALL	578249.88	4137111.47	9.52E-06	6.18E-06	1.57E-05	1.26E-06	8.95E-07	2.16E-06
847 ALL	578260.02	4137126.25	9.29E-06	6.03E-06	1.53E-05	1.23E-06	8.73E-07	2.10E-06
848 ALL	578349.56	4137268.02	6.11E-06	3.97E-06	1.01E-05	8.10E-07	5.74E-07	1.38E-06
849 ALL	578346.26	4137285.63	6.26E-06	4.06E-06	1.03E-05	8.30E-07	5.88E-07	1.42E-06
850 ALL	578338.02	4137329.66	6.51E-06	4.23E-06	1.07E-05	8.64E-07	6.12E-07	1.48E-06
851 ALL	578334.72	4137347.27	6.52E-06	4.24E-06	1.08E-05	8.65E-07	6.13E-07	1.48E-06
852 ALL	578331.43	4137364.87	6.46E-06	4.20E-06	1.07E-05	8.58E-07	6.07E-07	1.47E-06
853 ALL	578329.78	4137373.68	6.41E-06	4.16E-06	1.06E-05	8.50E-07	6.02E-07	1.45E-06
854 ALL	578319.89	4137426.51	5.65E-06	3.67E-06	9.31E-06	7.49E-07	5.31E-07	1.28E-06
855 ALL	578316.59	4137444.12	5.27E-06	3.42E-06	8.69E-06	6.99E-07	4.95E-07	1.19E-06
856 ALL	578224.55	4137074.54	9.76E-06	6.34E-06	1.61E-05	1.30E-06	9.17E-07	2.21E-06
857 ALL	578216.78	4137069.48	9.92E-06	6.44E-06	1.64E-05	1.32E-06	9.32E-07	2.25E-06
858 ALL	578209.01	4137064.43	1.01E-05	6.53E-06	1.66E-05	1.33E-06	9.45E-07	2.28E-06
859 ALL	578201.24	4137059.38	1.02E-05	6.60E-06	1.68E-05	1.35E-06	9.55E-07	2.30E-06
860 ALL	578193.47	4137054.32	1.02E-05	6.65E-06	1.69E-05	1.36E-06	9.62E-07	2.32E-06
861 ALL	578240.23	4137065.99	8.93E-06	5.80E-06	1.47E-05	1.19E-06	8.40E-07	2.03E-06
862 ALL	578245.42	4137073.56	8.92E-06	5.79E-06	1.47E-05	1.18E-06	8.38E-07	2.02E-06
863 ALL	578250.61	4137081.13	8.88E-06	5.76E-06	1.46E-05	1.18E-06	8.34E-07	2.01E-06
864 ALL	578255.8	4137088.7	8.82E-06	5.73E-06	1.45E-05	1.17E-06	8.29E-07	2.00E-06
865 ALL	578261	4137096.27	8.74E-06	5.68E-06	1.44E-05	1.16E-06	8.21E-07	1.98E-06
866 ALL	578266.19	4137103.84	8.65E-06	5.62E-06	1.43E-05	1.15E-06	8.13E-07	1.96E-06
867 ALL	578271.38	4137111.41	8.54E-06	5.55E-06	1.41E-05	1.13E-06	8.03E-07	1.94E-06
868 ALL	578302.53	4137156.83	7.62E-06	4.95E-06	1.26E-05	1.01E-06	7.16E-07	1.73E-06
869 ALL	578307.72	4137164.4	7.43E-06	4.83E-06	1.23E-05	9.86E-07	6.98E-07	1.68E-06
870 ALL	578312.91	4137171.97	7.24E-06	4.70E-06	1.19E-05	9.60E-07	6.80E-07	1.64E-06
871 ALL	578318.1	4137179.54	7.04E-06	4.57E-06	1.16E-05	9.34E-07	6.62E-07	1.60E-06
872 ALL	578364.95	4137282.32	5.73E-06	3.72E-06	9.45E-06	7.60E-07	5.38E-07	1.30E-06
873 ALL	578363.26	4137291.34	5.79E-06	3.76E-06	9.55E-06	7.68E-07	5.44E-07	1.31E-06
874 ALL	578361.58	4137300.36	5.85E-06	3.80E-06	9.65E-06	7.76E-07	5.50E-07	1.33E-06
875 ALL	578359.89	4137309.39	5.90E-06	3.83E-06	9.73E-06	7.83E-07	5.54E-07	1.34E-06
876 ALL	578358.2	4137318.41	5.94E-06	3.86E-06	9.79E-06	7.88E-07	5.58E-07	1.35E-06
877 ALL	578349.75	4137363.52	5.93E-06	3.85E-06	9.78E-06	7.87E-07	5.57E-07	1.34E-06
878 ALL	578348.06	4137372.55	5.88E-06	3.82E-06	9.70E-06	7.80E-07	5.53E-07	1.33E-06
879 ALL	578346.37	4137381.57	5.81E-06	3.78E-06	9.59E-06	7.71E-07	5.46E-07	1.32E-06
880 ALL	578344.68	4137390.59	5.73E-06	3.72E-06	9.45E-06	7.60E-07	5.38E-07	1.30E-06
881 ALL	578342.99	4137399.61	5.63E-06	3.65E-06	9.28E-06	7.46E-07	5.29E-07	1.28E-06

882 ALL	578341.31	4137408.64	5.51E-06	3.58E-06	9.08E-06	7.31E-07	5.17E-07	1.25E-06
883 ALL	578339.62	4137417.66	5.37E-06	3.49E-06	8.86E-06	7.13E-07	5.05E-07	1.22E-06
884 ALL	578337.93	4137426.68	5.23E-06	3.39E-06	8.62E-06	6.94E-07	4.91E-07	1.18E-06
885 ALL	578336.24	4137435.71	5.07E-06	3.29E-06	8.36E-06	6.72E-07	4.76E-07	1.15E-06
886 ALL	578334.55	4137444.73	4.90E-06	3.18E-06	8.08E-06	6.50E-07	4.60E-07	1.11E-06
887 ALL	578332.86	4137453.75	4.72E-06	3.07E-06	7.79E-06	6.26E-07	4.44E-07	1.07E-06
888 ALL	578235.04	4137058.42	8.93E-06	5.80E-06	1.47E-05	1.19E-06	8.39E-07	2.02E-06
889 ALL	578227.26	4137053.36	9.07E-06	5.89E-06	1.50E-05	1.20E-06	8.52E-07	2.05E-06
890 ALL	578219.49	4137048.31	9.18E-06	5.96E-06	1.51E-05	1.22E-06	8.63E-07	2.08E-06
891 ALL	578211.72	4137043.25	9.27E-06	6.02E-06	1.53E-05	1.23E-06	8.71E-07	2.10E-06
892 ALL	578203.95	4137038.2	9.34E-06	6.07E-06	1.54E-05	1.24E-06	8.78E-07	2.12E-06
893 ALL	578250.64	4137049.76	8.21E-06	5.33E-06	1.35E-05	1.09E-06	7.72E-07	1.86E-06
894 ALL	578255.76	4137057.22	8.20E-06	5.32E-06	1.35E-05	1.09E-06	7.70E-07	1.86E-06
895 ALL	578260.88	4137064.69	8.17E-06	5.31E-06	1.35E-05	1.08E-06	7.68E-07	1.85E-06
896 ALL	578265.99	4137072.15	8.13E-06	5.28E-06	1.34E-05	1.08E-06	7.64E-07	1.84E-06
897 ALL	578276.23	4137087.08	7.99E-06	5.19E-06	1.32E-05	1.06E-06	7.51E-07	1.81E-06
898 ALL	578281.35	4137094.54	7.91E-06	5.14E-06	1.30E-05	1.05E-06	7.43E-07	1.79E-06
899 ALL	578286.47	4137102	7.81E-06	5.07E-06	1.29E-05	1.04E-06	7.34E-07	1.77E-06
900 ALL	578291.59	4137109.47	7.70E-06	5.00E-06	1.27E-05	1.02E-06	7.24E-07	1.75E-06
901 ALL	578296.71	4137116.93	7.58E-06	4.92E-06	1.25E-05	1.01E-06	7.13E-07	1.72E-06
902 ALL	578301.82	4137124.39	7.45E-06	4.84E-06	1.23E-05	9.89E-07	7.01E-07	1.69E-06
903 ALL	578312.06	4137139.32	7.17E-06	4.66E-06	1.18E-05	9.51E-07	6.74E-07	1.62E-06
904 ALL	578317.18	4137146.79	7.01E-06	4.55E-06	1.16E-05	9.30E-07	6.59E-07	1.59E-06
905 ALL	578322.3	4137154.25	6.85E-06	4.45E-06	1.13E-05	9.09E-07	6.44E-07	1.55E-06
906 ALL	578327.42	4137161.71	6.68E-06	4.34E-06	1.10E-05	8.87E-07	6.28E-07	1.51E-06
907 ALL	578332.53	4137169.18	6.51E-06	4.23E-06	1.07E-05	8.64E-07	6.12E-07	1.48E-06
908 ALL	578337.65	4137176.64	6.35E-06	4.12E-06	1.05E-05	8.42E-07	5.96E-07	1.44E-06
909 ALL	578347.89	4137191.57	6.02E-06	3.91E-06	9.93E-06	7.99E-07	5.66E-07	1.36E-06
910 ALL	578353.01	4137199.03	5.87E-06	3.81E-06	9.68E-06	7.79E-07	5.52E-07	1.33E-06
911 ALL	578378.85	4137304.65	5.42E-06	3.52E-06	8.94E-06	7.19E-07	5.09E-07	1.23E-06
912 ALL	578375.51	4137322.44	5.48E-06	3.56E-06	9.05E-06	7.28E-07	5.15E-07	1.24E-06
913 ALL	578372.18	4137340.23	5.51E-06	3.58E-06	9.08E-06	7.31E-07	5.18E-07	1.25E-06
914 ALL	578355.53	4137429.19	4.82E-06	3.13E-06	7.95E-06	6.39E-07	4.53E-07	1.09E-06
915 ALL	578352.2	4137446.98	4.54E-06	2.95E-06	7.48E-06	6.02E-07	4.26E-07	1.03E-06
916 ALL	578350.53	4137455.88	4.38E-06	2.85E-06	7.23E-06	5.82E-07	4.12E-07	9.94E-07
917 ALL	578245.52	4137042.29	8.21E-06	5.33E-06	1.35E-05	1.09E-06	7.71E-07	1.86E-06
918 ALL	578237.75	4137037.24	8.32E-06	5.41E-06	1.37E-05	1.10E-06	7.82E-07	1.89E-06
919 ALL	578229.98	4137032.19	8.42E-06	5.47E-06	1.39E-05	1.12E-06	7.91E-07	1.91E-06
920 ALL	578222.2	4137027.13	8.50E-06	5.52E-06	1.40E-05	1.13E-06	7.99E-07	1.93E-06
921 ALL	578214.43	4137022.08	8.57E-06	5.56E-06	1.41E-05	1.14E-06	8.05E-07	1.94E-06
922 ALL	578206.66	4137017.02	8.61E-06	5.59E-06	1.42E-05	1.14E-06	8.09E-07	1.95E-06
923 ALL	578261.23	4137033.8	7.58E-06	4.92E-06	1.25E-05	1.01E-06	7.12E-07	1.72E-06
924 ALL	578266.46	4137041.42	7.57E-06	4.91E-06	1.25E-05	1.00E-06	7.11E-07	1.72E-06
925 ALL	578271.69	4137049.05	7.54E-06	4.90E-06	1.24E-05	1.00E-06	7.09E-07	1.71E-06
926 ALL	578276.92	4137056.67	7.51E-06	4.88E-06	1.24E-05	9.96E-07	7.05E-07	1.70E-06
927 ALL	578282.15	4137064.3	7.46E-06	4.84E-06	1.23E-05	9.90E-07	7.01E-07	1.69E-06
928 ALL	578287.38	4137071.92	7.40E-06	4.80E-06	1.22E-05	9.82E-07	6.95E-07	1.68E-06
929 ALL	578292.61	4137079.55	7.33E-06	4.76E-06	1.21E-05	9.72E-07	6.88E-07	1.66E-06
930 ALL	578297.84	4137087.17	7.24E-06	4.70E-06	1.19E-05	9.61E-07	6.80E-07	1.64E-06
931 ALL	578303.07	4137094.8	7.15E-06	4.64E-06	1.18E-05	9.48E-07	6.72E-07	1.62E-06
932 ALL	578308.3	4137102.43	7.04E-06	4.57E-06	1.16E-05	9.34E-07	6.62E-07	1.60E-06
933 ALL	578313.53	4137110.05	6.93E-06	4.50E-06	1.14E-05	9.20E-07	6.51E-07	1.57E-06
934 ALL	578318.76	4137117.68	6.81E-06	4.42E-06	1.12E-05	9.04E-07	6.40E-07	1.54E-06
935 ALL	578323.99	4137125.3	6.68E-06	4.34E-06	1.10E-05	8.87E-07	6.28E-07	1.51E-06
936 ALL	578329.21	4137132.93	6.55E-06	4.25E-06	1.08E-05	8.69E-07	6.15E-07	1.48E-06
937 ALL	578334.44	4137140.55	6.40E-06	4.16E-06	1.06E-05	8.50E-07	6.02E-07	1.45E-06
938 ALL	578339.67	4137148.18	6.26E-06	4.06E-06	1.03E-05	8.30E-07	5.88E-07	1.42E-06
939 ALL	578344.9	4137155.8	6.10E-06	3.96E-06	1.01E-05	8.10E-07	5.74E-07	1.38E-06
940 ALL	578350.13	4137163.43	5.95E-06	3.87E-06	9.82E-06	7.90E-07	5.59E-07	1.35E-06
941 ALL	578355.36	4137171.05	5.80E-06	3.77E-06	9.57E-06	7.70E-07	5.45E-07	1.31E-06
942 ALL	578360.59	4137178.68	5.65E-06	3.67E-06	9.33E-06	7.50E-07	5.31E-07	1.28E-06
943 ALL	578365.82	4137186.3	5.51E-06	3.58E-06	9.10E-06	7.32E-07	5.18E-07	1.25E-06
944 ALL	578371.05	4137193.93	5.38E-06	3.50E-06	8.88E-06	7.14E-07	5.06E-07	1.22E-06



945 ALL	578376.28	4137201.55	5.26E-06	3.41E-06	8.67E-06	6.98E-07	4.94E-07	1.19E-06
946 ALL	578381.51	4137209.18	5.14E-06	3.34E-06	8.48E-06	6.83E-07	4.83E-07	1.17E-06
947 ALL	578386.74	4137216.8	5.04E-06	3.27E-06	8.31E-06	6.69E-07	4.74E-07	1.14E-06
948 ALL	578405.95	4137256.39	4.75E-06	3.08E-06	7.83E-06	6.30E-07	4.46E-07	1.08E-06
949 ALL	578394.04	4137320.01	5.07E-06	3.29E-06	8.36E-06	6.72E-07	4.76E-07	1.15E-06
950 ALL	578392.34	4137329.1	5.08E-06	3.30E-06	8.39E-06	6.75E-07	4.78E-07	1.15E-06
951 ALL	578390.64	4137338.19	5.09E-06	3.31E-06	8.40E-06	6.76E-07	4.78E-07	1.15E-06
952 ALL	578388.94	4137347.28	5.09E-06	3.30E-06	8.39E-06	6.75E-07	4.78E-07	1.15E-06
953 ALL	578387.24	4137356.36	5.07E-06	3.29E-06	8.36E-06	6.73E-07	4.77E-07	1.15E-06
954 ALL	578385.54	4137365.45	5.04E-06	3.27E-06	8.32E-06	6.69E-07	4.74E-07	1.14E-06
955 ALL	578383.83	4137374.54	5.00E-06	3.25E-06	8.25E-06	6.64E-07	4.70E-07	1.13E-06
956 ALL	578382.13	4137383.63	4.95E-06	3.21E-06	8.16E-06	6.56E-07	4.65E-07	1.12E-06
957 ALL	578365.12	4137474.51	3.82E-06	2.48E-06	6.30E-06	5.07E-07	3.59E-07	8.66E-07
958 ALL	578363.42	4137483.6	3.67E-06	2.38E-06	6.05E-06	4.87E-07	3.45E-07	8.31E-07
959 ALL	578361.72	4137492.69	3.51E-06	2.28E-06	5.80E-06	4.66E-07	3.30E-07	7.96E-07
960 ALL	578360.01	4137501.77	3.36E-06	2.18E-06	5.54E-06	4.46E-07	3.16E-07	7.61E-07
961 ALL	578256	4137026.17	7.57E-06	4.92E-06	1.25E-05	1.00E-06	7.12E-07	1.72E-06
962 ALL	578248.23	4137021.12	7.67E-06	4.98E-06	1.27E-05	1.02E-06	7.21E-07	1.74E-06
963 ALL	578240.46	4137016.06	7.76E-06	5.04E-06	1.28E-05	1.03E-06	7.29E-07	1.76E-06
964 ALL	578232.69	4137011.01	7.83E-06	5.08E-06	1.29E-05	1.04E-06	7.36E-07	1.77E-06
965 ALL	578224.92	4137005.96	7.89E-06	5.12E-06	1.30E-05	1.05E-06	7.41E-07	1.79E-06
966 ALL	578217.14	4137000.9	7.93E-06	5.15E-06	1.31E-05	1.05E-06	7.45E-07	1.80E-06
967 ALL	578015.92	4137279.05	1.13E-04	7.32E-05	1.86E-04	1.50E-05	1.06E-05	2.55E-05
968 ALL	578004.43	4137291.25	1.12E-04	7.29E-05	1.85E-04	1.49E-05	1.06E-05	2.55E-05
969 ALL	577999.25	4137299.15	1.12E-04	7.25E-05	1.84E-04	1.48E-05	1.05E-05	2.53E-05
970 ALL	577994.07	4137307.05	1.09E-04	7.10E-05	1.80E-04	1.45E-05	1.03E-05	2.48E-05
971 ALL	577988.89	4137314.95	1.06E-04	6.91E-05	1.75E-04	1.41E-05	1.00E-05	2.41E-05
972 ALL	577983.71	4137322.86	1.03E-04	6.70E-05	1.70E-04	1.37E-05	9.70E-06	2.34E-05
973 ALL	577978.53	4137330.76	9.94E-05	6.45E-05	1.64E-04	1.32E-05	9.34E-06	2.25E-05
974 ALL	577973.35	4137338.66	9.47E-05	6.15E-05	1.56E-04	1.26E-05	8.90E-06	2.15E-05
975 ALL	577968.16	4137346.56	8.88E-05	5.77E-05	1.46E-04	1.18E-05	8.34E-06	2.01E-05
976 ALL	577962.98	4137354.46	8.18E-05	5.31E-05	1.35E-04	1.08E-05	7.68E-06	1.85E-05
977 ALL	577957.8	4137362.36	7.34E-05	4.77E-05	1.21E-04	9.74E-06	6.90E-06	1.66E-05
978 ALL	577952.62	4137370.26	6.40E-05	4.15E-05	1.05E-04	8.49E-06	6.01E-06	1.45E-05
979 ALL	577947.44	4137378.16	5.43E-05	3.53E-05	8.96E-05	7.21E-06	5.11E-06	1.23E-05
980 ALL	577942.26	4137386.06	4.61E-05	3.00E-05	7.61E-05	6.12E-06	4.34E-06	1.05E-05
981 ALL	577937.08	4137393.96	4.09E-05	2.66E-05	6.75E-05	5.43E-06	3.85E-06	9.27E-06
982 ALL	577931.9	4137401.86	3.87E-05	2.51E-05	6.38E-05	5.13E-06	3.64E-06	8.77E-06
983 ALL	578007.56	4137273.57	8.94E-05	5.80E-05	1.47E-04	1.19E-05	8.40E-06	2.03E-05
984 ALL	578027.68	4137266.36	9.83E-05	6.39E-05	1.62E-04	1.30E-05	9.24E-06	2.23E-05
985 ALL	577996.07	4137285.77	8.57E-05	5.57E-05	1.41E-04	1.14E-05	8.06E-06	1.94E-05
986 ALL	577990.89	4137293.67	8.42E-05	5.47E-05	1.39E-04	1.12E-05	7.92E-06	1.91E-05
987 ALL	577985.71	4137301.57	8.16E-05	5.30E-05	1.35E-04	1.08E-05	7.67E-06	1.85E-05
988 ALL	577980.53	4137309.47	7.83E-05	5.08E-05	1.29E-04	1.04E-05	7.36E-06	1.77E-05
989 ALL	577975.35	4137317.37	7.46E-05	4.85E-05	1.23E-04	9.90E-06	7.01E-06	1.69E-05
990 ALL	577970.17	4137325.27	7.03E-05	4.57E-05	1.16E-04	9.33E-06	6.61E-06	1.59E-05
991 ALL	577964.98	4137333.17	6.55E-05	4.25E-05	1.08E-04	8.69E-06	6.16E-06	1.48E-05
992 ALL	577959.8	4137341.07	6.02E-05	3.91E-05	9.93E-05	7.99E-06	5.66E-06	1.36E-05
993 ALL	577954.62	4137348.97	5.44E-05	3.53E-05	8.97E-05	7.21E-06	5.11E-06	1.23E-05
994 ALL	577949.44	4137356.87	4.81E-05	3.12E-05	7.93E-05	6.38E-06	4.52E-06	1.09E-05
995 ALL	577944.26	4137364.78	4.18E-05	2.71E-05	6.89E-05	5.54E-06	3.93E-06	9.47E-06
996 ALL	577939.08	4137372.68	3.61E-05	2.34E-05	5.95E-05	4.78E-06	3.39E-06	8.17E-06
997 ALL	577933.9	4137380.58	3.17E-05	2.06E-05	5.23E-05	4.21E-06	2.98E-06	7.19E-06
998 ALL	577928.71	4137388.48	2.92E-05	1.89E-05	4.81E-05	3.87E-06	2.74E-06	6.61E-06
999 ALL	577923.53	4137396.38	2.81E-05	1.82E-05	4.63E-05	3.73E-06	2.64E-06	6.36E-06
1000 ALL	577999.2	4137268.08	7.14E-05	4.64E-05	1.18E-04	9.47E-06	6.71E-06	1.62E-05
1001 ALL	578011.82	4137259.48	7.54E-05	4.90E-05	1.24E-04	1.00E-05	7.09E-06	1.71E-05
1002 ALL	578025.63	4137256.58	8.14E-05	5.28E-05	1.34E-04	1.08E-05	7.65E-06	1.84E-05
1003 ALL	577987.71	4137280.28	6.68E-05	4.34E-05	1.10E-04	8.87E-06	6.28E-06	1.51E-05
1004 ALL	577982.53	4137288.19	6.50E-05	4.22E-05	1.07E-04	8.63E-06	6.11E-06	1.47E-05
1005 ALL	577977.35	4137296.09	6.23E-05	4.05E-05	1.03E-04	8.27E-06	5.86E-06	1.41E-05
1006 ALL	577972.17	4137303.99	5.91E-05	3.84E-05	9.76E-05	7.85E-06	5.56E-06	1.34E-05
1007 ALL	577966.98	4137311.89	5.55E-05	3.61E-05	9.16E-05	7.37E-06	5.22E-06	1.26E-05

1008 ALL	577961.8	4137319.79	5.15E-05	3.35E-05	8.50E-05	6.84E-06	4.84E-06	1.17E-05
1009 ALL	577956.62	4137327.69	4.71E-05	3.06E-05	7.78E-05	6.26E-06	4.43E-06	1.07E-05
1010 ALL	577951.44	4137335.59	4.26E-05	2.77E-05	7.02E-05	5.65E-06	4.00E-06	9.65E-06
1011 ALL	577946.26	4137343.49	3.79E-05	2.46E-05	6.25E-05	5.03E-06	3.56E-06	8.59E-06
1012 ALL	577941.08	4137351.39	3.33E-05	2.16E-05	5.49E-05	4.41E-06	3.13E-06	7.54E-06
1013 ALL	577935.9	4137359.29	2.90E-05	1.88E-05	4.78E-05	3.84E-06	2.72E-06	6.56E-06
1014 ALL	577930.72	4137367.19	2.54E-05	1.65E-05	4.19E-05	3.37E-06	2.39E-06	5.76E-06
1015 ALL	577925.53	4137375.09	2.29E-05	1.49E-05	3.78E-05	3.04E-06	2.15E-06	5.19E-06
1016 ALL	577920.35	4137382.99	2.15E-05	1.39E-05	3.54E-05	2.85E-06	2.02E-06	4.87E-06
1017 ALL	577915.17	4137390.89	2.09E-05	1.36E-05	3.45E-05	2.77E-06	1.96E-06	4.74E-06
1018 ALL	577990.84	4137262.6	5.77E-05	3.75E-05	9.52E-05	7.66E-06	5.43E-06	1.31E-05
1019 ALL	578003.45	4137253.99	6.25E-05	4.06E-05	1.03E-04	8.29E-06	5.87E-06	1.42E-05
1020 ALL	578023.57	4137246.79	6.84E-05	4.44E-05	1.13E-04	9.07E-06	6.42E-06	1.55E-05
1021 ALL	578038.59	4137249.6	7.52E-05	4.89E-05	1.24E-04	9.98E-06	7.07E-06	1.71E-05
1022 ALL	577998.88	4137245.93	5.31E-05	3.45E-05	8.75E-05	7.04E-06	4.99E-06	1.20E-05
1023 ALL	578006.45	4137240.76	5.42E-05	3.52E-05	8.94E-05	7.19E-06	5.09E-06	1.23E-05
1024 ALL	578023.02	4137237.28	5.90E-05	3.83E-05	9.74E-05	7.83E-06	5.55E-06	1.34E-05
1025 ALL	578035.64	4137220.84	4.94E-05	3.21E-05	8.15E-05	6.56E-06	4.64E-06	1.12E-05
1026 ALL	578052.8	4137224.05	5.17E-05	3.36E-05	8.53E-05	6.86E-06	4.86E-06	1.17E-05
1027 ALL	578050.07	4137214.13	4.60E-05	2.99E-05	7.59E-05	6.10E-06	4.32E-06	1.04E-05
1028 ALL	578047.5	4137204.25	4.11E-05	2.67E-05	6.77E-05	5.45E-06	3.86E-06	9.30E-06
1029 ALL	578064.18	4137207.37	4.16E-05	2.70E-05	6.87E-05	5.52E-06	3.91E-06	9.44E-06
1030 ALL	577934.16	4137223.8	1.78E-05	1.15E-05	2.93E-05	2.36E-06	1.67E-06	4.02E-06
1031 ALL	578055.54	4137187.67	3.44E-05	2.23E-05	5.67E-05	4.56E-06	3.23E-06	7.80E-06
1032 ALL	578064.49	4137189.34	3.46E-05	2.25E-05	5.71E-05	4.60E-06	3.26E-06	7.85E-06
1033 ALL	578073.44	4137191.02	3.45E-05	2.24E-05	5.69E-05	4.58E-06	3.24E-06	7.82E-06
1034 ALL	578082.39	4137192.69	3.40E-05	2.21E-05	5.60E-05	4.51E-06	3.19E-06	7.70E-06
1035 ALL	577926.64	4137228.93	1.62E-05	1.05E-05	2.67E-05	2.15E-06	1.52E-06	3.67E-06
1036 ALL	577921.46	4137236.83	1.53E-05	9.91E-06	2.52E-05	2.02E-06	1.43E-06	3.46E-06
1037 ALL	577916.27	4137244.74	1.42E-05	9.24E-06	2.35E-05	1.89E-06	1.34E-06	3.22E-06
1038 ALL	577911.09	4137252.64	1.31E-05	8.53E-06	2.17E-05	1.74E-06	1.23E-06	2.98E-06
1039 ALL	577905.91	4137260.54	1.20E-05	7.82E-06	1.99E-05	1.60E-06	1.13E-06	2.73E-06
1040 ALL	577900.73	4137268.44	1.10E-05	7.11E-06	1.81E-05	1.45E-06	1.03E-06	2.48E-06
1041 ALL	577895.55	4137276.34	9.88E-06	6.42E-06	1.63E-05	1.31E-06	9.29E-07	2.24E-06
1042 ALL	577890.37	4137284.24	8.85E-06	5.75E-06	1.46E-05	1.17E-06	8.32E-07	2.01E-06
1043 ALL	577885.19	4137292.14	7.90E-06	5.13E-06	1.30E-05	1.05E-06	7.43E-07	1.79E-06
1044 ALL	577880.01	4137300.04	7.06E-06	4.59E-06	1.16E-05	9.37E-07	6.64E-07	1.60E-06
1045 ALL	577874.82	4137307.94	6.32E-06	4.11E-06	1.04E-05	8.39E-07	5.94E-07	1.43E-06
1046 ALL	577869.64	4137315.84	5.70E-06	3.70E-06	9.40E-06	7.56E-07	5.36E-07	1.29E-06
1047 ALL	577864.46	4137323.74	5.20E-06	3.38E-06	8.57E-06	6.90E-07	4.89E-07	1.18E-06
1048 ALL	577859.28	4137331.64	4.81E-06	3.12E-06	7.93E-06	6.38E-07	4.52E-07	1.09E-06
1049 ALL	577854.1	4137339.54	4.53E-06	2.94E-06	7.47E-06	6.01E-07	4.25E-07	1.03E-06
1050 ALL	577848.92	4137347.44	4.34E-06	2.82E-06	7.16E-06	5.76E-07	4.08E-07	9.84E-07
1051 ALL	577917.83	4137213.42	1.37E-05	8.92E-06	2.27E-05	1.82E-06	1.29E-06	3.11E-06
1052 ALL	577932.39	4137203.49	1.61E-05	1.04E-05	2.65E-05	2.13E-06	1.51E-06	3.64E-06
1053 ALL	577946.95	4137193.56	1.82E-05	1.18E-05	3.00E-05	2.41E-06	1.71E-06	4.12E-06
1054 ALL	578058.52	4137170.15	2.91E-05	1.89E-05	4.79E-05	3.86E-06	2.73E-06	6.59E-06
1055 ALL	578075.84	4137173.38	2.93E-05	1.90E-05	4.83E-05	3.88E-06	2.75E-06	6.64E-06
1056 ALL	577905.37	4137226.29	1.18E-05	7.69E-06	1.95E-05	1.57E-06	1.11E-06	2.68E-06
1057 ALL	577900.19	4137234.19	1.10E-05	7.17E-06	1.82E-05	1.47E-06	1.04E-06	2.50E-06
1058 ALL	577895.01	4137242.09	1.02E-05	6.63E-06	1.68E-05	1.35E-06	9.59E-07	2.31E-06
1059 ALL	577889.83	4137249.99	9.35E-06	6.07E-06	1.54E-05	1.24E-06	8.79E-07	2.12E-06
1060 ALL	577884.65	4137257.89	8.50E-06	5.52E-06	1.40E-05	1.13E-06	7.99E-07	1.93E-06
1061 ALL	577879.47	4137265.79	7.69E-06	4.99E-06	1.27E-05	1.02E-06	7.22E-07	1.74E-06
1062 ALL	577874.29	4137273.69	6.92E-06	4.50E-06	1.14E-05	9.19E-07	6.51E-07	1.57E-06
1063 ALL	577869.11	4137281.59	6.22E-06	4.04E-06	1.03E-05	8.25E-07	5.85E-07	1.41E-06
1064 ALL	577863.92	4137289.49	5.59E-06	3.63E-06	9.22E-06	7.42E-07	5.25E-07	1.27E-06
1065 ALL	577858.74	4137297.39	5.04E-06	3.28E-06	8.32E-06	6.69E-07	4.74E-07	1.14E-06
1066 ALL	577853.56	4137305.3	4.58E-06	2.97E-06	7.55E-06	6.07E-07	4.30E-07	1.04E-06
1067 ALL	577848.38	4137313.2	4.19E-06	2.72E-06	6.91E-06	5.56E-07	3.94E-07	9.49E-07
1068 ALL	577843.2	4137321.1	3.88E-06	2.52E-06	6.39E-06	5.14E-07	3.64E-07	8.79E-07
1069 ALL	577838.02	4137329	3.64E-06	2.37E-06	6.01E-06	4.83E-07	3.42E-07	8.26E-07
1070 ALL	577832.84	4137336.9	3.48E-06	2.26E-06	5.73E-06	4.61E-07	3.27E-07	7.88E-07

1071 ALL	577902.13	4137202.62	1.09E-05	7.11E-06	1.81E-05	1.45E-06	1.03E-06	2.48E-06
1072 ALL	577909.78	4137197.4	1.19E-05	7.74E-06	1.97E-05	1.58E-06	1.12E-06	2.70E-06
1073 ALL	577917.43	4137192.18	1.29E-05	8.37E-06	2.13E-05	1.71E-06	1.21E-06	2.92E-06
1074 ALL	577925.08	4137186.96	1.38E-05	8.99E-06	2.28E-05	1.84E-06	1.30E-06	3.14E-06
1075 ALL	577932.73	4137181.75	1.48E-05	9.58E-06	2.43E-05	1.96E-06	1.39E-06	3.35E-06
1076 ALL	577940.39	4137176.53	1.56E-05	1.01E-05	2.57E-05	2.07E-06	1.47E-06	3.54E-06
1077 ALL	577948.04	4137171.31	1.64E-05	1.06E-05	2.70E-05	2.17E-06	1.54E-06	3.71E-06
1078 ALL	577955.69	4137166.09	1.71E-05	1.11E-05	2.82E-05	2.26E-06	1.60E-06	3.87E-06
1079 ALL	577963.34	4137160.87	1.76E-05	1.15E-05	2.91E-05	2.34E-06	1.66E-06	4.00E-06
1080 ALL	577970.99	4137155.65	1.81E-05	1.17E-05	2.98E-05	2.40E-06	1.70E-06	4.10E-06
1081 ALL	577978.64	4137150.43	1.84E-05	1.20E-05	3.04E-05	2.44E-06	1.73E-06	4.17E-06
1082 ALL	578066.78	4137153.61	2.51E-05	1.63E-05	4.13E-05	3.32E-06	2.35E-06	5.68E-06
1083 ALL	578075.89	4137155.31	2.52E-05	1.63E-05	4.15E-05	3.34E-06	2.37E-06	5.70E-06
1084 ALL	578084.99	4137157.01	2.51E-05	1.63E-05	4.14E-05	3.33E-06	2.36E-06	5.68E-06
1085 ALL	578094.1	4137158.72	2.48E-05	1.61E-05	4.09E-05	3.29E-06	2.33E-06	5.62E-06
1086 ALL	577894.48	4137207.84	9.96E-06	6.47E-06	1.64E-05	1.32E-06	9.36E-07	2.26E-06
1087 ALL	577889.29	4137215.74	9.31E-06	6.05E-06	1.54E-05	1.24E-06	8.75E-07	2.11E-06
1088 ALL	577884.11	4137223.64	8.62E-06	5.60E-06	1.42E-05	1.14E-06	8.10E-07	1.95E-06
1089 ALL	577878.93	4137231.54	7.98E-06	5.18E-06	1.32E-05	1.06E-06	7.50E-07	1.81E-06
1090 ALL	577873.75	4137239.44	7.35E-06	4.78E-06	1.21E-05	9.76E-07	6.91E-07	1.67E-06
1091 ALL	577868.57	4137247.35	6.73E-06	4.37E-06	1.11E-05	8.93E-07	6.33E-07	1.53E-06
1092 ALL	577863.39	4137255.25	6.12E-06	3.98E-06	1.01E-05	8.13E-07	5.76E-07	1.39E-06
1093 ALL	577858.21	4137263.15	5.56E-06	3.61E-06	9.17E-06	7.37E-07	5.22E-07	1.26E-06
1094 ALL	577853.02	4137271.05	5.03E-06	3.27E-06	8.30E-06	6.68E-07	4.73E-07	1.14E-06
1095 ALL	577847.84	4137278.95	4.56E-06	2.96E-06	7.52E-06	6.05E-07	4.29E-07	1.03E-06
1096 ALL	577842.66	4137286.85	4.15E-06	2.69E-06	6.84E-06	5.50E-07	3.90E-07	9.40E-07
1097 ALL	577837.48	4137294.75	3.79E-06	2.46E-06	6.24E-06	5.02E-07	3.56E-07	8.58E-07
1098 ALL	577832.3	4137302.65	3.48E-06	2.26E-06	5.74E-06	4.62E-07	3.27E-07	7.89E-07
1099 ALL	577827.12	4137310.55	3.23E-06	2.10E-06	5.33E-06	4.28E-07	3.03E-07	7.32E-07
1100 ALL	577821.94	4137318.45	3.03E-06	1.97E-06	4.99E-06	4.02E-07	2.84E-07	6.86E-07
1101 ALL	577816.76	4137326.35	2.88E-06	1.87E-06	4.75E-06	3.82E-07	2.71E-07	6.53E-07
1102 ALL	577885.83	4137192.22	8.70E-06	5.65E-06	1.43E-05	1.15E-06	8.17E-07	1.97E-06
1103 ALL	577900.71	4137182.07	1.03E-05	6.69E-06	1.70E-05	1.37E-06	9.67E-07	2.33E-06
1104 ALL	577915.6	4137171.92	1.19E-05	7.71E-06	1.96E-05	1.58E-06	1.12E-06	2.69E-06
1105 ALL	577923.04	4137166.85	1.26E-05	8.18E-06	2.08E-05	1.67E-06	1.18E-06	2.85E-06
1106 ALL	577937.92	4137156.7	1.39E-05	9.01E-06	2.29E-05	1.84E-06	1.30E-06	3.14E-06
1107 ALL	577945.36	4137151.62	1.44E-05	9.38E-06	2.38E-05	1.92E-06	1.36E-06	3.27E-06
1108 ALL	577960.24	4137141.47	1.53E-05	9.97E-06	2.53E-05	2.04E-06	1.44E-06	3.48E-06
1109 ALL	577975.12	4137131.32	1.59E-05	1.03E-05	2.62E-05	2.11E-06	1.49E-06	3.60E-06
1110 ALL	577873.21	4137205.2	7.44E-06	4.83E-06	1.23E-05	9.87E-07	6.99E-07	1.69E-06
1111 ALL	577868.03	4137213.1	6.92E-06	4.50E-06	1.14E-05	9.19E-07	6.51E-07	1.57E-06
1112 ALL	577862.85	4137221	6.39E-06	4.15E-06	1.05E-05	8.48E-07	6.01E-07	1.45E-06
1113 ALL	577857.67	4137228.9	5.87E-06	3.81E-06	9.69E-06	7.79E-07	5.52E-07	1.33E-06
1114 ALL	577852.49	4137236.8	5.39E-06	3.50E-06	8.90E-06	7.16E-07	5.07E-07	1.22E-06
1115 ALL	577847.31	4137244.7	4.94E-06	3.21E-06	8.14E-06	6.55E-07	4.64E-07	1.12E-06
1116 ALL	577842.12	4137252.6	4.50E-06	2.92E-06	7.42E-06	5.97E-07	4.23E-07	1.02E-06
1117 ALL	577836.94	4137260.5	4.10E-06	2.66E-06	6.76E-06	5.44E-07	3.85E-07	9.29E-07
1118 ALL	577831.76	4137268.4	3.74E-06	2.43E-06	6.17E-06	4.96E-07	3.52E-07	8.48E-07
1119 ALL	577826.58	4137276.3	3.42E-06	2.22E-06	5.64E-06	4.53E-07	3.21E-07	7.75E-07
1120 ALL	577821.4	4137284.2	3.13E-06	2.04E-06	5.17E-06	4.16E-07	2.95E-07	7.10E-07
1121 ALL	577816.22	4137292.1	2.91E-06	1.89E-06	4.79E-06	3.86E-07	2.73E-07	6.59E-07
1122 ALL	577811.04	4137300	2.72E-06	1.77E-06	4.48E-06	3.61E-07	2.56E-07	6.16E-07
1123 ALL	577805.86	4137307.9	2.56E-06	1.66E-06	4.23E-06	3.40E-07	2.41E-07	5.81E-07
1124 ALL	577800.67	4137315.81	2.44E-06	1.58E-06	4.02E-06	3.24E-07	2.29E-07	5.53E-07
1125 ALL	577870.05	4137181.47	7.13E-06	4.63E-06	1.18E-05	9.46E-07	6.70E-07	1.62E-06
1126 ALL	577877.78	4137176.2	7.77E-06	5.04E-06	1.28E-05	1.03E-06	7.30E-07	1.76E-06
1127 ALL	577885.51	4137170.92	8.43E-06	5.47E-06	1.39E-05	1.12E-06	7.92E-07	1.91E-06
1128 ALL	577893.25	4137165.65	9.10E-06	5.91E-06	1.50E-05	1.21E-06	8.55E-07	2.06E-06
1129 ALL	577900.98	4137160.37	9.77E-06	6.34E-06	1.61E-05	1.30E-06	9.18E-07	2.21E-06
1130 ALL	577908.71	4137155.1	1.04E-05	6.77E-06	1.72E-05	1.38E-06	9.80E-07	2.36E-06
1131 ALL	577916.45	4137149.82	1.10E-05	7.18E-06	1.82E-05	1.47E-06	1.04E-06	2.50E-06
1132 ALL	577924.18	4137144.55	1.16E-05	7.54E-06	1.92E-05	1.54E-06	1.09E-06	2.63E-06
1133 ALL	577931.91	4137139.27	1.21E-05	7.89E-06	2.00E-05	1.61E-06	1.14E-06	2.75E-06

1134 ALL	577939.65	4137134	1.26E-05	8.21E-06	2.08E-05	1.68E-06	1.19E-06	2.86E-06
1135 ALL	577947.38	4137128.72	1.31E-05	8.48E-06	2.15E-05	1.73E-06	1.23E-06	2.96E-06
1136 ALL	577955.11	4137123.45	1.34E-05	8.71E-06	2.21E-05	1.78E-06	1.26E-06	3.04E-06
1137 ALL	577962.85	4137118.17	1.37E-05	8.89E-06	2.26E-05	1.82E-06	1.29E-06	3.10E-06
1138 ALL	577970.58	4137112.9	1.39E-05	9.02E-06	2.29E-05	1.84E-06	1.30E-06	3.15E-06
1139 ALL	577978.31	4137107.62	1.40E-05	9.10E-06	2.31E-05	1.86E-06	1.32E-06	3.18E-06
1140 ALL	577995.25	4137104.07	1.48E-05	9.58E-06	2.43E-05	1.96E-06	1.39E-06	3.35E-06
1141 ALL	577862.31	4137186.75	6.51E-06	4.23E-06	1.07E-05	8.64E-07	6.12E-07	1.48E-06
1142 ALL	577857.13	4137194.65	6.11E-06	3.97E-06	1.01E-05	8.10E-07	5.74E-07	1.38E-06
1143 ALL	577851.95	4137202.55	5.70E-06	3.70E-06	9.40E-06	7.56E-07	5.35E-07	1.29E-06
1144 ALL	577846.77	4137210.45	5.28E-06	3.43E-06	8.71E-06	7.01E-07	4.96E-07	1.20E-06
1145 ALL	577841.59	4137218.35	4.87E-06	3.17E-06	8.04E-06	6.47E-07	4.58E-07	1.10E-06
1146 ALL	577836.41	4137226.25	4.48E-06	2.91E-06	7.39E-06	5.95E-07	4.21E-07	1.02E-06
1147 ALL	577831.22	4137234.15	4.11E-06	2.67E-06	6.79E-06	5.46E-07	3.87E-07	9.33E-07
1148 ALL	577826.04	4137242.05	3.76E-06	2.44E-06	6.21E-06	4.99E-07	3.54E-07	8.53E-07
1149 ALL	577820.86	4137249.95	3.44E-06	2.23E-06	5.67E-06	4.56E-07	3.23E-07	7.79E-07
1150 ALL	577815.68	4137257.86	3.14E-06	2.04E-06	5.19E-06	4.17E-07	2.95E-07	7.13E-07
1151 ALL	577810.5	4137265.76	2.89E-06	1.88E-06	4.77E-06	3.84E-07	2.72E-07	6.56E-07
1152 ALL	577805.32	4137273.66	2.67E-06	1.73E-06	4.40E-06	3.54E-07	2.51E-07	6.05E-07
1153 ALL	577800.14	4137281.56	2.47E-06	1.61E-06	4.08E-06	3.28E-07	2.33E-07	5.61E-07
1154 ALL	577794.96	4137289.46	2.31E-06	1.50E-06	3.81E-06	3.06E-07	2.17E-07	5.23E-07
1155 ALL	577789.77	4137297.36	2.18E-06	1.42E-06	3.60E-06	2.90E-07	2.05E-07	4.95E-07
1156 ALL	577784.59	4137305.26	2.08E-06	1.35E-06	3.43E-06	2.76E-07	1.96E-07	4.71E-07
1157 ALL	577853.78	4137171.05	5.88E-06	3.82E-06	9.69E-06	7.80E-07	5.52E-07	1.33E-06
1158 ALL	577861.33	4137165.91	6.38E-06	4.14E-06	1.05E-05	8.46E-07	5.99E-07	1.45E-06
1159 ALL	577868.88	4137160.76	6.90E-06	4.48E-06	1.14E-05	9.15E-07	6.48E-07	1.56E-06
1160 ALL	577876.42	4137155.61	7.43E-06	4.83E-06	1.23E-05	9.86E-07	6.99E-07	1.69E-06
1161 ALL	577883.97	4137150.46	7.97E-06	5.18E-06	1.32E-05	1.06E-06	7.49E-07	1.81E-06
1162 ALL	577891.52	4137145.31	8.51E-06	5.53E-06	1.40E-05	1.13E-06	8.00E-07	1.93E-06
1163 ALL	577899.07	4137140.16	9.04E-06	5.87E-06	1.49E-05	1.20E-06	8.49E-07	2.05E-06
1164 ALL	577906.62	4137135.01	9.54E-06	6.20E-06	1.57E-05	1.27E-06	8.97E-07	2.16E-06
1165 ALL	577914.16	4137129.87	1.00E-05	6.52E-06	1.65E-05	1.33E-06	9.43E-07	2.27E-06
1166 ALL	577921.71	4137124.72	1.05E-05	6.81E-06	1.73E-05	1.39E-06	9.85E-07	2.38E-06
1167 ALL	577929.26	4137119.57	1.09E-05	7.08E-06	1.80E-05	1.45E-06	1.02E-06	2.47E-06
1168 ALL	577936.81	4137114.42	1.13E-05	7.33E-06	1.86E-05	1.50E-06	1.06E-06	2.56E-06
1169 ALL	577944.36	4137109.27	1.16E-05	7.55E-06	1.92E-05	1.54E-06	1.09E-06	2.63E-06
1170 ALL	577951.9	4137104.12	1.19E-05	7.72E-06	1.96E-05	1.58E-06	1.12E-06	2.69E-06
1171 ALL	577959.45	4137098.97	1.21E-05	7.86E-06	2.00E-05	1.60E-06	1.14E-06	2.74E-06
1172 ALL	577967	4137093.83	1.23E-05	7.96E-06	2.02E-05	1.63E-06	1.15E-06	2.78E-06
1173 ALL	577974.55	4137088.68	1.24E-05	8.03E-06	2.04E-05	1.64E-06	1.16E-06	2.80E-06
1174 ALL	577846.23	4137176.2	5.39E-06	3.50E-06	8.89E-06	7.15E-07	5.07E-07	1.22E-06
1175 ALL	577841.05	4137184.1	5.06E-06	3.29E-06	8.35E-06	6.72E-07	4.76E-07	1.15E-06
1176 ALL	577835.87	4137192	4.73E-06	3.07E-06	7.81E-06	6.28E-07	4.45E-07	1.07E-06
1177 ALL	577830.69	4137199.91	4.41E-06	2.86E-06	7.27E-06	5.85E-07	4.14E-07	9.99E-07
1178 ALL	577825.51	4137207.81	4.09E-06	2.66E-06	6.75E-06	5.43E-07	3.85E-07	9.28E-07
1179 ALL	577820.33	4137215.71	3.78E-06	2.46E-06	6.24E-06	5.02E-07	3.56E-07	8.58E-07
1180 ALL	577815.14	4137223.61	3.49E-06	2.27E-06	5.76E-06	4.63E-07	3.28E-07	7.92E-07
1181 ALL	577809.96	4137231.51	3.22E-06	2.09E-06	5.31E-06	4.27E-07	3.02E-07	7.30E-07
1182 ALL	577804.78	4137239.41	2.96E-06	1.92E-06	4.88E-06	3.93E-07	2.78E-07	6.71E-07
1183 ALL	577799.6	4137247.31	2.72E-06	1.77E-06	4.49E-06	3.61E-07	2.56E-07	6.17E-07
1184 ALL	577794.42	4137255.21	2.51E-06	1.63E-06	4.14E-06	3.33E-07	2.36E-07	5.68E-07
1185 ALL	577789.24	4137263.11	2.32E-06	1.51E-06	3.83E-06	3.08E-07	2.18E-07	5.26E-07
1186 ALL	577784.06	4137271.01	2.16E-06	1.40E-06	3.56E-06	2.86E-07	2.03E-07	4.89E-07
1187 ALL	577778.87	4137278.91	2.02E-06	1.31E-06	3.33E-06	2.68E-07	1.90E-07	4.57E-07
1188 ALL	577773.69	4137286.81	1.90E-06	1.23E-06	3.14E-06	2.52E-07	1.79E-07	4.31E-07
1189 ALL	577768.51	4137294.71	1.81E-06	1.17E-06	2.98E-06	2.40E-07	1.70E-07	4.10E-07
1190 ALL	577837.94	4137160.34	4.92E-06	3.19E-06	8.11E-06	6.53E-07	4.62E-07	1.11E-06
1191 ALL	577845.73	4137155.03	5.34E-06	3.47E-06	8.81E-06	7.09E-07	5.02E-07	1.21E-06
1192 ALL	577853.52	4137149.72	5.78E-06	3.76E-06	9.54E-06	7.67E-07	5.44E-07	1.31E-06
1193 ALL	577861.31	4137144.4	6.24E-06	4.05E-06	1.03E-05	8.27E-07	5.86E-07	1.41E-06
1194 ALL	577869.1	4137139.09	6.70E-06	4.35E-06	1.11E-05	8.89E-07	6.30E-07	1.52E-06
1195 ALL	577876.89	4137133.78	7.17E-06	4.66E-06	1.18E-05	9.51E-07	6.74E-07	1.63E-06
1196 ALL	577884.68	4137128.47	7.63E-06	4.96E-06	1.26E-05	1.01E-06	7.17E-07	1.73E-06

1197 ALL	577892.46	4137123.15	8.08E-06	5.25E-06	1.33E-05	1.07E-06	7.59E-07	1.83E-06
1198 ALL	577900.25	4137117.84	8.52E-06	5.53E-06	1.40E-05	1.13E-06	8.00E-07	1.93E-06
1199 ALL	577908.04	4137112.53	8.94E-06	5.81E-06	1.47E-05	1.19E-06	8.40E-07	2.03E-06
1200 ALL	577915.83	4137107.21	9.34E-06	6.06E-06	1.54E-05	1.24E-06	8.78E-07	2.12E-06
1201 ALL	577923.62	4137101.9	9.70E-06	6.30E-06	1.60E-05	1.29E-06	9.12E-07	2.20E-06
1202 ALL	577931.41	4137096.59	1.00E-05	6.51E-06	1.65E-05	1.33E-06	9.42E-07	2.27E-06
1203 ALL	577939.2	4137091.27	1.03E-05	6.70E-06	1.70E-05	1.37E-06	9.70E-07	2.34E-06
1204 ALL	577946.99	4137085.96	1.06E-05	6.86E-06	1.74E-05	1.40E-06	9.92E-07	2.39E-06
1205 ALL	577954.78	4137080.65	1.07E-05	6.98E-06	1.77E-05	1.43E-06	1.01E-06	2.44E-06
1206 ALL	577996.68	4137068.17	1.20E-05	7.78E-06	1.98E-05	1.59E-06	1.13E-06	2.72E-06
1207 ALL	578005.95	4137069.91	1.24E-05	8.08E-06	2.05E-05	1.65E-06	1.17E-06	2.82E-06
1208 ALL	578015.22	4137071.64	1.29E-05	8.36E-06	2.12E-05	1.71E-06	1.21E-06	2.92E-06
1209 ALL	578024.49	4137073.37	1.33E-05	8.63E-06	2.19E-05	1.76E-06	1.25E-06	3.01E-06
1210 ALL	577830.15	4137165.66	4.52E-06	2.93E-06	7.45E-06	5.99E-07	4.25E-07	1.02E-06
1211 ALL	577824.97	4137173.56	4.25E-06	2.76E-06	7.01E-06	5.64E-07	3.99E-07	9.63E-07
1212 ALL	577819.79	4137181.46	3.98E-06	2.58E-06	6.56E-06	5.28E-07	3.74E-07	9.02E-07
1213 ALL	577814.61	4137189.36	3.71E-06	2.41E-06	6.13E-06	4.93E-07	3.49E-07	8.42E-07
1214 ALL	577809.43	4137197.26	3.45E-06	2.24E-06	5.70E-06	4.58E-07	3.25E-07	7.83E-07
1215 ALL	577804.24	4137205.16	3.21E-06	2.08E-06	5.29E-06	4.26E-07	3.02E-07	7.27E-07
1216 ALL	577799.06	4137213.06	2.98E-06	1.93E-06	4.91E-06	3.95E-07	2.80E-07	6.74E-07
1217 ALL	577793.88	4137220.96	2.76E-06	1.79E-06	4.55E-06	3.66E-07	2.59E-07	6.25E-07
1218 ALL	577788.7	4137228.86	2.56E-06	1.66E-06	4.22E-06	3.40E-07	2.41E-07	5.80E-07
1219 ALL	577783.52	4137236.76	2.38E-06	1.54E-06	3.92E-06	3.15E-07	2.23E-07	5.39E-07
1220 ALL	577778.34	4137244.66	2.20E-06	1.43E-06	3.63E-06	2.92E-07	2.07E-07	4.99E-07
1221 ALL	577773.16	4137252.56	2.04E-06	1.33E-06	3.37E-06	2.71E-07	1.92E-07	4.63E-07
1222 ALL	577767.97	4137260.47	1.90E-06	1.24E-06	3.14E-06	2.52E-07	1.79E-07	4.31E-07
1223 ALL	577762.79	4137268.37	1.78E-06	1.16E-06	2.94E-06	2.37E-07	1.68E-07	4.05E-07
1224 ALL	577757.61	4137276.27	1.69E-06	1.10E-06	2.78E-06	2.24E-07	1.59E-07	3.83E-07
1225 ALL	577752.43	4137284.17	1.61E-06	1.04E-06	2.65E-06	2.13E-07	1.51E-07	3.64E-07
1226 ALL	577821.69	4137149.91	4.14E-06	2.69E-06	6.84E-06	5.50E-07	3.89E-07	9.39E-07
1227 ALL	577829.32	4137144.71	4.48E-06	2.91E-06	7.39E-06	5.95E-07	4.21E-07	1.02E-06
1228 ALL	577836.94	4137139.51	4.84E-06	3.14E-06	7.98E-06	6.42E-07	4.54E-07	1.10E-06
1229 ALL	577844.57	4137134.31	5.20E-06	3.38E-06	8.58E-06	6.90E-07	4.89E-07	1.18E-06
1230 ALL	577852.2	4137129.11	5.58E-06	3.63E-06	9.21E-06	7.41E-07	5.25E-07	1.27E-06
1231 ALL	577859.82	4137123.9	5.96E-06	3.87E-06	9.83E-06	7.91E-07	5.60E-07	1.35E-06
1232 ALL	577867.45	4137118.7	6.35E-06	4.12E-06	1.05E-05	8.42E-07	5.96E-07	1.44E-06
1233 ALL	577875.07	4137113.5	6.73E-06	4.37E-06	1.11E-05	8.93E-07	6.32E-07	1.53E-06
1234 ALL	577882.7	4137108.3	7.11E-06	4.62E-06	1.17E-05	9.43E-07	6.68E-07	1.61E-06
1235 ALL	577890.32	4137103.1	7.48E-06	4.85E-06	1.23E-05	9.92E-07	7.03E-07	1.69E-06
1236 ALL	577897.95	4137097.9	7.83E-06	5.09E-06	1.29E-05	1.04E-06	7.36E-07	1.78E-06
1237 ALL	577905.57	4137092.7	8.17E-06	5.31E-06	1.35E-05	1.08E-06	7.68E-07	1.85E-06
1238 ALL	577913.2	4137087.5	8.50E-06	5.52E-06	1.40E-05	1.13E-06	7.99E-07	1.93E-06
1239 ALL	577920.82	4137082.3	8.78E-06	5.71E-06	1.45E-05	1.17E-06	8.26E-07	1.99E-06
1240 ALL	577928.45	4137077.09	9.05E-06	5.87E-06	1.49E-05	1.20E-06	8.50E-07	2.05E-06
1241 ALL	577936.07	4137071.89	9.28E-06	6.02E-06	1.53E-05	1.23E-06	8.72E-07	2.10E-06
1242 ALL	577943.7	4137066.69	9.47E-06	6.15E-06	1.56E-05	1.26E-06	8.90E-07	2.15E-06
1243 ALL	577951.32	4137061.49	9.62E-06	6.25E-06	1.59E-05	1.28E-06	9.04E-07	2.18E-06
1244 ALL	577958.95	4137056.29	9.73E-06	6.32E-06	1.61E-05	1.29E-06	9.15E-07	2.21E-06
1245 ALL	577966.57	4137051.09	9.81E-06	6.37E-06	1.62E-05	1.30E-06	9.22E-07	2.22E-06
1246 ALL	577983.27	4137047.58	1.03E-05	6.67E-06	1.69E-05	1.36E-06	9.65E-07	2.33E-06
1247 ALL	577992.34	4137049.28	1.07E-05	6.93E-06	1.76E-05	1.42E-06	1.00E-06	2.42E-06
1248 ALL	578001.41	4137050.98	1.10E-05	7.17E-06	1.82E-05	1.47E-06	1.04E-06	2.50E-06
1249 ALL	578010.49	4137052.67	1.14E-05	7.41E-06	1.88E-05	1.51E-06	1.07E-06	2.59E-06
1250 ALL	578019.56	4137054.37	1.18E-05	7.63E-06	1.94E-05	1.56E-06	1.10E-06	2.66E-06
1251 ALL	578028.63	4137056.07	1.21E-05	7.84E-06	1.99E-05	1.60E-06	1.13E-06	2.74E-06
1252 ALL	577814.07	4137155.11	3.83E-06	2.48E-06	6.31E-06	5.08E-07	3.60E-07	8.67E-07
1253 ALL	577808.89	4137163.01	3.60E-06	2.34E-06	5.95E-06	4.78E-07	3.39E-07	8.17E-07
1254 ALL	577803.71	4137170.91	3.38E-06	2.20E-06	5.58E-06	4.49E-07	3.18E-07	7.67E-07
1255 ALL	577798.53	4137178.81	3.17E-06	2.06E-06	5.22E-06	4.20E-07	2.97E-07	7.17E-07
1256 ALL	577793.34	4137186.71	2.95E-06	1.92E-06	4.87E-06	3.92E-07	2.78E-07	6.69E-07
1257 ALL	577788.16	4137194.61	2.76E-06	1.79E-06	4.55E-06	3.66E-07	2.59E-07	6.25E-07
1258 ALL	577782.98	4137202.52	2.57E-06	1.67E-06	4.25E-06	3.42E-07	2.42E-07	5.84E-07
1259 ALL	577777.8	4137210.42	2.40E-06	1.56E-06	3.96E-06	3.19E-07	2.26E-07	5.44E-07

1260 ALL	577772.62	4137218.32	2.24E-06	1.45E-06	3.69E-06	2.97E-07	2.10E-07	5.08E-07
1261 ALL	577767.44	4137226.22	2.09E-06	1.36E-06	3.44E-06	2.77E-07	1.96E-07	4.73E-07
1262 ALL	577762.26	4137234.12	1.95E-06	1.26E-06	3.21E-06	2.58E-07	1.83E-07	4.41E-07
1263 ALL	577757.07	4137242.02	1.82E-06	1.18E-06	3.00E-06	2.41E-07	1.71E-07	4.12E-07
1264 ALL	577751.89	4137249.92	1.70E-06	1.11E-06	2.81E-06	2.26E-07	1.60E-07	3.86E-07
1265 ALL	577746.71	4137257.82	1.61E-06	1.04E-06	2.65E-06	2.13E-07	1.51E-07	3.64E-07
1266 ALL	577741.53	4137265.72	1.52E-06	9.87E-07	2.51E-06	2.02E-07	1.43E-07	3.44E-07
1267 ALL	577736.35	4137273.62	1.45E-06	9.39E-07	2.38E-06	1.92E-07	1.36E-07	3.28E-07
1268 ALL	577805.48	4137139.46	3.54E-06	2.30E-06	5.84E-06	4.69E-07	3.32E-07	8.02E-07
1269 ALL	577812.97	4137134.35	3.81E-06	2.47E-06	6.28E-06	5.05E-07	3.58E-07	8.63E-07
1270 ALL	577820.46	4137129.24	4.09E-06	2.65E-06	6.74E-06	5.42E-07	3.84E-07	9.26E-07
1271 ALL	577827.95	4137124.13	4.38E-06	2.85E-06	7.23E-06	5.82E-07	4.12E-07	9.94E-07
1272 ALL	577835.44	4137119.02	4.69E-06	3.05E-06	7.74E-06	6.23E-07	4.41E-07	1.06E-06
1273 ALL	577842.93	4137113.91	5.01E-06	3.25E-06	8.27E-06	6.65E-07	4.71E-07	1.14E-06
1274 ALL	577850.41	4137108.8	5.33E-06	3.46E-06	8.79E-06	7.07E-07	5.01E-07	1.21E-06
1275 ALL	577865.39	4137098.59	5.98E-06	3.88E-06	9.86E-06	7.93E-07	5.62E-07	1.35E-06
1276 ALL	577872.88	4137093.48	6.30E-06	4.09E-06	1.04E-05	8.35E-07	5.92E-07	1.43E-06
1277 ALL	577880.37	4137088.37	6.61E-06	4.29E-06	1.09E-05	8.77E-07	6.21E-07	1.50E-06
1278 ALL	577887.86	4137083.26	6.91E-06	4.49E-06	1.14E-05	9.17E-07	6.49E-07	1.57E-06
1279 ALL	577895.35	4137078.15	7.20E-06	4.68E-06	1.19E-05	9.55E-07	6.77E-07	1.63E-06
1280 ALL	577902.84	4137073.04	7.48E-06	4.85E-06	1.23E-05	9.92E-07	7.03E-07	1.69E-06
1281 ALL	577910.33	4137067.94	7.74E-06	5.02E-06	1.28E-05	1.03E-06	7.27E-07	1.75E-06
1282 ALL	577917.82	4137062.83	7.97E-06	5.18E-06	1.31E-05	1.06E-06	7.49E-07	1.81E-06
1283 ALL	577925.31	4137057.72	8.18E-06	5.31E-06	1.35E-05	1.09E-06	7.69E-07	1.85E-06
1284 ALL	577932.8	4137052.61	8.37E-06	5.43E-06	1.38E-05	1.11E-06	7.86E-07	1.90E-06
1285 ALL	577940.29	4137047.5	8.53E-06	5.54E-06	1.41E-05	1.13E-06	8.02E-07	1.93E-06
1286 ALL	577955.27	4137037.28	8.76E-06	5.69E-06	1.44E-05	1.16E-06	8.23E-07	1.98E-06
1287 ALL	577962.76	4137032.18	8.82E-06	5.73E-06	1.46E-05	1.17E-06	8.29E-07	2.00E-06
1288 ALL	577979.16	4137028.73	9.21E-06	5.98E-06	1.52E-05	1.22E-06	8.66E-07	2.09E-06
1289 ALL	577988.07	4137030.4	9.55E-06	6.20E-06	1.57E-05	1.27E-06	8.97E-07	2.16E-06
1290 ALL	577996.98	4137032.07	9.87E-06	6.41E-06	1.63E-05	1.31E-06	9.28E-07	2.24E-06
1291 ALL	578005.89	4137033.73	1.02E-05	6.61E-06	1.68E-05	1.35E-06	9.57E-07	2.31E-06
1292 ALL	578014.8	4137035.4	1.05E-05	6.80E-06	1.73E-05	1.39E-06	9.85E-07	2.37E-06
1293 ALL	578023.71	4137037.06	1.08E-05	6.98E-06	1.77E-05	1.43E-06	1.01E-06	2.44E-06
1294 ALL	578032.63	4137038.73	1.10E-05	7.15E-06	1.82E-05	1.46E-06	1.03E-06	2.50E-06
1295 ALL	577797.99	4137144.56	3.28E-06	2.13E-06	5.41E-06	4.35E-07	3.08E-07	7.43E-07
1296 ALL	577792.81	4137152.47	3.09E-06	2.01E-06	5.10E-06	4.11E-07	2.91E-07	7.01E-07
1297 ALL	577787.63	4137160.37	2.92E-06	1.90E-06	4.82E-06	3.88E-07	2.75E-07	6.62E-07
1298 ALL	577782.44	4137168.27	2.75E-06	1.79E-06	4.53E-06	3.65E-07	2.58E-07	6.23E-07
1299 ALL	577777.26	4137176.17	2.58E-06	1.68E-06	4.26E-06	3.42E-07	2.43E-07	5.85E-07
1300 ALL	577772.08	4137184.07	2.42E-06	1.57E-06	3.99E-06	3.21E-07	2.27E-07	5.48E-07
1301 ALL	577766.9	4137191.97	2.26E-06	1.47E-06	3.73E-06	3.00E-07	2.13E-07	5.13E-07
1302 ALL	577761.72	4137199.87	2.11E-06	1.37E-06	3.49E-06	2.80E-07	1.99E-07	4.79E-07
1303 ALL	577756.54	4137207.77	1.98E-06	1.28E-06	3.26E-06	2.62E-07	1.86E-07	4.48E-07
1304 ALL	577751.36	4137215.67	1.85E-06	1.20E-06	3.05E-06	2.45E-07	1.74E-07	4.19E-07
1305 ALL	577746.18	4137223.57	1.73E-06	1.12E-06	2.85E-06	2.30E-07	1.63E-07	3.92E-07
1306 ALL	577740.99	4137231.47	1.62E-06	1.05E-06	2.68E-06	2.15E-07	1.53E-07	3.68E-07
1307 ALL	577735.81	4137239.37	1.53E-06	9.93E-07	2.52E-06	2.03E-07	1.44E-07	3.46E-07
1308 ALL	577730.63	4137247.27	1.44E-06	9.38E-07	2.38E-06	1.92E-07	1.36E-07	3.27E-07
1309 ALL	577725.45	4137255.17	1.37E-06	8.91E-07	2.26E-06	1.82E-07	1.29E-07	3.11E-07
1310 ALL	577720.27	4137263.07	1.31E-06	8.50E-07	2.16E-06	1.74E-07	1.23E-07	2.97E-07
1311 ALL	577789.59	4137128.78	3.07E-06	1.99E-06	5.06E-06	4.07E-07	2.89E-07	6.96E-07
1312 ALL	577797.27	4137123.54	3.29E-06	2.14E-06	5.43E-06	4.37E-07	3.09E-07	7.46E-07
1313 ALL	577804.96	4137118.3	3.53E-06	2.29E-06	5.83E-06	4.69E-07	3.32E-07	8.01E-07
1314 ALL	577812.64	4137113.06	3.78E-06	2.46E-06	6.24E-06	5.02E-07	3.56E-07	8.58E-07
1315 ALL	577820.32	4137107.82	4.04E-06	2.63E-06	6.67E-06	5.36E-07	3.80E-07	9.16E-07
1316 ALL	577828	4137102.58	4.32E-06	2.80E-06	7.12E-06	5.73E-07	4.06E-07	9.78E-07
1317 ALL	577835.69	4137097.33	4.60E-06	2.99E-06	7.59E-06	6.10E-07	4.32E-07	1.04E-06
1318 ALL	577843.37	4137092.09	4.88E-06	3.17E-06	8.06E-06	6.48E-07	4.59E-07	1.11E-06
1319 ALL	577851.05	4137086.85	5.17E-06	3.36E-06	8.53E-06	6.86E-07	4.86E-07	1.17E-06
1320 ALL	577858.74	4137081.61	5.45E-06	3.54E-06	8.99E-06	7.24E-07	5.12E-07	1.24E-06
1321 ALL	577866.42	4137076.37	5.73E-06	3.72E-06	9.46E-06	7.61E-07	5.39E-07	1.30E-06
1322 ALL	577874.1	4137071.13	6.00E-06	3.90E-06	9.90E-06	7.97E-07	5.64E-07	1.36E-06

1323 ALL	577881.78	4137065.89	6.27E-06	4.07E-06	1.03E-05	8.31E-07	5.89E-07	1.42E-06
1324 ALL	577889.47	4137060.65	6.52E-06	4.23E-06	1.07E-05	8.65E-07	6.12E-07	1.48E-06
1325 ALL	577897.15	4137055.41	6.75E-06	4.39E-06	1.11E-05	8.96E-07	6.35E-07	1.53E-06
1326 ALL	577904.83	4137050.17	6.98E-06	4.53E-06	1.15E-05	9.26E-07	6.56E-07	1.58E-06
1327 ALL	577912.52	4137044.93	7.19E-06	4.67E-06	1.19E-05	9.55E-07	6.76E-07	1.63E-06
1328 ALL	577920.2	4137039.69	7.38E-06	4.79E-06	1.22E-05	9.79E-07	6.93E-07	1.67E-06
1329 ALL	577927.88	4137034.45	7.54E-06	4.90E-06	1.24E-05	1.00E-06	7.09E-07	1.71E-06
1330 ALL	577935.56	4137029.21	7.70E-06	5.00E-06	1.27E-05	1.02E-06	7.23E-07	1.74E-06
1331 ALL	577943.25	4137023.97	7.83E-06	5.09E-06	1.29E-05	1.04E-06	7.36E-07	1.78E-06
1332 ALL	577950.93	4137018.73	7.92E-06	5.14E-06	1.31E-05	1.05E-06	7.44E-07	1.79E-06
1333 ALL	577958.61	4137013.49	7.98E-06	5.18E-06	1.32E-05	1.06E-06	7.50E-07	1.81E-06
1334 ALL	577975.44	4137009.95	8.32E-06	5.41E-06	1.37E-05	1.10E-06	7.82E-07	1.89E-06
1335 ALL	577984.58	4137011.66	8.62E-06	5.60E-06	1.42E-05	1.14E-06	8.10E-07	1.95E-06
1336 ALL	577993.72	4137013.37	8.91E-06	5.79E-06	1.47E-05	1.18E-06	8.38E-07	2.02E-06
1337 ALL	578002.86	4137015.08	9.19E-06	5.97E-06	1.52E-05	1.22E-06	8.64E-07	2.08E-06
1338 ALL	578012	4137016.79	9.45E-06	6.14E-06	1.56E-05	1.25E-06	8.88E-07	2.14E-06
1339 ALL	578021.15	4137018.5	9.70E-06	6.30E-06	1.60E-05	1.29E-06	9.12E-07	2.20E-06
1340 ALL	578030.29	4137020.21	9.93E-06	6.45E-06	1.64E-05	1.32E-06	9.34E-07	2.25E-06
1341 ALL	578039.43	4137021.92	1.02E-05	6.60E-06	1.68E-05	1.35E-06	9.55E-07	2.30E-06
1342 ALL	577781.91	4137134.02	2.86E-06	1.86E-06	4.72E-06	3.80E-07	2.69E-07	6.49E-07
1343 ALL	577776.73	4137141.92	2.72E-06	1.76E-06	4.48E-06	3.60E-07	2.55E-07	6.16E-07
1344 ALL	577771.54	4137149.82	2.57E-06	1.67E-06	4.23E-06	3.41E-07	2.41E-07	5.82E-07
1345 ALL	577766.36	4137157.72	2.42E-06	1.57E-06	3.99E-06	3.21E-07	2.27E-07	5.49E-07
1346 ALL	577761.18	4137165.62	2.28E-06	1.48E-06	3.75E-06	3.02E-07	2.14E-07	5.16E-07
1347 ALL	577756	4137173.52	2.13E-06	1.39E-06	3.52E-06	2.83E-07	2.01E-07	4.84E-07
1348 ALL	577750.82	4137181.42	2.00E-06	1.30E-06	3.30E-06	2.65E-07	1.88E-07	4.53E-07
1349 ALL	577745.64	4137189.32	1.87E-06	1.22E-06	3.09E-06	2.49E-07	1.76E-07	4.25E-07
1350 ALL	577740.46	4137197.22	1.76E-06	1.14E-06	2.90E-06	2.33E-07	1.65E-07	3.98E-07
1351 ALL	577735.28	4137205.12	1.65E-06	1.07E-06	2.72E-06	2.18E-07	1.55E-07	3.73E-07
1352 ALL	577730.09	4137213.03	1.55E-06	1.00E-06	2.55E-06	2.05E-07	1.45E-07	3.50E-07
1353 ALL	577724.91	4137220.93	1.45E-06	9.45E-07	2.40E-06	1.93E-07	1.37E-07	3.30E-07
1354 ALL	577719.73	4137228.83	1.37E-06	8.92E-07	2.26E-06	1.82E-07	1.29E-07	3.11E-07
1355 ALL	577714.55	4137236.73	1.30E-06	8.45E-07	2.15E-06	1.73E-07	1.22E-07	2.95E-07
1356 ALL	577709.37	4137244.63	1.24E-06	8.03E-07	2.04E-06	1.64E-07	1.16E-07	2.80E-07
1357 ALL	577704.19	4137252.53	1.18E-06	7.67E-07	1.95E-06	1.57E-07	1.11E-07	2.68E-07
1358 ALL	577773.38	4137118.32	2.70E-06	1.76E-06	4.46E-06	3.59E-07	2.54E-07	6.13E-07
1359 ALL	577780.94	4137113.16	2.88E-06	1.87E-06	4.76E-06	3.83E-07	2.71E-07	6.54E-07
1360 ALL	577788.5	4137108.01	3.07E-06	1.99E-06	5.06E-06	4.07E-07	2.88E-07	6.95E-07
1361 ALL	577796.06	4137102.85	3.10E-06	2.01E-06	5.12E-06	4.12E-07	2.92E-07	7.03E-07
1362 ALL	577803.62	4137097.69	3.32E-06	2.16E-06	5.48E-06	4.41E-07	3.12E-07	7.53E-07
1363 ALL	577811.18	4137092.54	3.54E-06	2.30E-06	5.84E-06	4.70E-07	3.33E-07	8.03E-07
1364 ALL	577818.74	4137087.38	3.76E-06	2.44E-06	6.20E-06	4.99E-07	3.53E-07	8.52E-07
1365 ALL	577826.29	4137082.23	3.99E-06	2.59E-06	6.58E-06	5.30E-07	3.75E-07	9.05E-07
1366 ALL	577833.85	4137077.07	4.41E-06	2.86E-06	7.27E-06	5.85E-07	4.14E-07	9.99E-07
1367 ALL	577841.41	4137071.92	4.65E-06	3.02E-06	7.67E-06	6.17E-07	4.37E-07	1.05E-06
1368 ALL	577848.97	4137066.76	4.89E-06	3.18E-06	8.07E-06	6.49E-07	4.60E-07	1.11E-06
1369 ALL	577856.53	4137061.6	5.13E-06	3.33E-06	8.45E-06	6.80E-07	4.82E-07	1.16E-06
1370 ALL	577864.09	4137056.45	5.36E-06	3.48E-06	8.84E-06	7.11E-07	5.03E-07	1.21E-06
1371 ALL	577871.64	4137051.29	5.58E-06	3.62E-06	9.21E-06	7.41E-07	5.25E-07	1.27E-06
1372 ALL	577879.2	4137046.14	5.80E-06	3.77E-06	9.56E-06	7.69E-07	5.45E-07	1.31E-06
1373 ALL	577886.76	4137040.98	6.00E-06	3.90E-06	9.90E-06	7.97E-07	5.64E-07	1.36E-06
1374 ALL	577894.32	4137035.83	6.20E-06	4.03E-06	1.02E-05	8.23E-07	5.83E-07	1.41E-06
1375 ALL	577901.88	4137030.67	6.39E-06	4.15E-06	1.05E-05	8.47E-07	6.00E-07	1.45E-06
1376 ALL	577909.44	4137025.51	6.56E-06	4.26E-06	1.08E-05	8.70E-07	6.16E-07	1.49E-06
1377 ALL	577916.99	4137020.36	6.72E-06	4.36E-06	1.11E-05	8.91E-07	6.31E-07	1.52E-06
1378 ALL	577924.55	4137015.2	6.86E-06	4.46E-06	1.13E-05	9.11E-07	6.45E-07	1.56E-06
1379 ALL	577932.11	4137010.05	7.00E-06	4.54E-06	1.15E-05	9.28E-07	6.58E-07	1.59E-06
1380 ALL	577939.67	4137004.89	7.12E-06	4.62E-06	1.17E-05	9.45E-07	6.69E-07	1.61E-06
1381 ALL	577947.23	4136999.74	7.21E-06	4.68E-06	1.19E-05	9.56E-07	6.77E-07	1.63E-06
1382 ALL	577954.79	4136994.58	7.26E-06	4.71E-06	1.20E-05	9.63E-07	6.82E-07	1.64E-06
1383 ALL	577971.34	4136991.11	7.55E-06	4.90E-06	1.25E-05	1.00E-06	7.09E-07	1.71E-06
1384 ALL	577980.33	4136992.79	7.81E-06	5.07E-06	1.29E-05	1.04E-06	7.34E-07	1.77E-06
1385 ALL	577989.33	4136994.47	8.05E-06	5.23E-06	1.33E-05	1.07E-06	7.57E-07	1.83E-06

1386 ALL	577998.32	4136996.15	8.29E-06	5.38E-06	1.37E-05	1.10E-06	7.79E-07	1.88E-06
1387 ALL	578007.31	4136997.83	8.52E-06	5.53E-06	1.41E-05	1.13E-06	8.01E-07	1.93E-06
1388 ALL	578016.31	4136999.51	8.74E-06	5.68E-06	1.44E-05	1.16E-06	8.21E-07	1.98E-06
1389 ALL	578025.3	4137001.2	8.95E-06	5.81E-06	1.48E-05	1.19E-06	8.41E-07	2.03E-06
1390 ALL	578034.29	4137002.88	9.15E-06	5.94E-06	1.51E-05	1.21E-06	8.60E-07	2.07E-06
1391 ALL	578043.29	4137004.56	9.18E-06	5.96E-06	1.51E-05	1.22E-06	8.63E-07	2.08E-06
1392 ALL	578052.28	4137006.24	9.33E-06	6.06E-06	1.54E-05	1.24E-06	8.77E-07	2.12E-06
1393 ALL	577765.83	4137123.47	2.53E-06	1.64E-06	4.17E-06	3.36E-07	2.38E-07	5.74E-07
1394 ALL	577760.64	4137131.37	2.40E-06	1.56E-06	3.96E-06	3.18E-07	2.25E-07	5.44E-07
1395 ALL	577755.46	4137139.27	2.27E-06	1.47E-06	3.74E-06	3.01E-07	2.13E-07	5.13E-07
1396 ALL	577750.28	4137147.17	2.14E-06	1.39E-06	3.52E-06	2.83E-07	2.01E-07	4.84E-07
1397 ALL	577745.1	4137155.08	2.01E-06	1.31E-06	3.32E-06	2.67E-07	1.89E-07	4.56E-07
1398 ALL	577739.92	4137162.98	1.89E-06	1.23E-06	3.12E-06	2.51E-07	1.78E-07	4.29E-07
1399 ALL	577734.74	4137170.88	1.78E-06	1.16E-06	2.94E-06	2.36E-07	1.67E-07	4.03E-07
1400 ALL	577729.56	4137178.78	1.67E-06	1.09E-06	2.76E-06	2.22E-07	1.57E-07	3.79E-07
1401 ALL	577724.38	4137186.68	1.57E-06	1.02E-06	2.59E-06	2.08E-07	1.48E-07	3.56E-07
1402 ALL	577719.19	4137194.58	1.47E-06	9.58E-07	2.43E-06	1.96E-07	1.39E-07	3.34E-07
1403 ALL	577714.01	4137202.48	1.39E-06	9.02E-07	2.29E-06	1.84E-07	1.31E-07	3.15E-07
1404 ALL	577708.83	4137210.38	1.31E-06	8.51E-07	2.16E-06	1.74E-07	1.23E-07	2.97E-07
1405 ALL	577703.65	4137218.28	1.24E-06	8.06E-07	2.05E-06	1.65E-07	1.17E-07	2.81E-07
1406 ALL	577698.47	4137226.18	1.18E-06	7.65E-07	1.94E-06	1.56E-07	1.11E-07	2.67E-07
1407 ALL	577693.29	4137234.08	1.12E-06	7.28E-07	1.85E-06	1.49E-07	1.05E-07	2.54E-07
1408 ALL	577688.11	4137241.98	1.07E-06	6.96E-07	1.77E-06	1.42E-07	1.01E-07	2.43E-07
1409 ALL	577757.47	4137107.66	2.40E-06	1.56E-06	3.96E-06	3.18E-07	2.26E-07	5.44E-07
1410 ALL	577765.2	4137102.38	2.57E-06	1.67E-06	4.24E-06	3.41E-07	2.41E-07	5.82E-07
1411 ALL	577772.93	4137097.11	2.73E-06	1.78E-06	4.51E-06	3.63E-07	2.57E-07	6.20E-07
1412 ALL	577780.66	4137091.84	2.91E-06	1.89E-06	4.79E-06	3.86E-07	2.73E-07	6.59E-07
1413 ALL	577788.38	4137086.57	3.08E-06	2.00E-06	5.09E-06	4.09E-07	2.90E-07	6.99E-07
1414 ALL	577796.11	4137081.3	3.12E-06	2.03E-06	5.15E-06	4.14E-07	2.93E-07	7.07E-07
1415 ALL	577803.84	4137076.03	3.31E-06	2.15E-06	5.47E-06	4.40E-07	3.11E-07	7.51E-07
1416 ALL	577811.57	4137070.76	3.51E-06	2.28E-06	5.79E-06	4.65E-07	3.30E-07	7.95E-07
1417 ALL	577819.3	4137065.49	3.69E-06	2.40E-06	6.09E-06	4.90E-07	3.47E-07	8.37E-07
1418 ALL	577827.02	4137060.21	3.90E-06	2.53E-06	6.43E-06	5.17E-07	3.66E-07	8.84E-07
1419 ALL	577834.75	4137054.94	4.12E-06	2.68E-06	6.79E-06	5.47E-07	3.87E-07	9.34E-07
1420 ALL	577842.48	4137049.67	4.33E-06	2.81E-06	7.15E-06	5.75E-07	4.07E-07	9.82E-07
1421 ALL	577850.21	4137044.4	4.54E-06	2.95E-06	7.48E-06	6.02E-07	4.26E-07	1.03E-06
1422 ALL	577857.93	4137039.13	4.91E-06	3.19E-06	8.10E-06	6.51E-07	4.61E-07	1.11E-06
1423 ALL	577865.66	4137033.86	5.11E-06	3.32E-06	8.42E-06	6.78E-07	4.80E-07	1.16E-06
1424 ALL	577873.39	4137028.59	5.30E-06	3.44E-06	8.74E-06	7.03E-07	4.98E-07	1.20E-06
1425 ALL	577881.12	4137023.32	5.48E-06	3.56E-06	9.03E-06	7.27E-07	5.15E-07	1.24E-06
1426 ALL	577888.85	4137018.05	5.65E-06	3.67E-06	9.32E-06	7.50E-07	5.31E-07	1.28E-06
1427 ALL	577896.57	4137012.77	5.81E-06	3.77E-06	9.59E-06	7.71E-07	5.46E-07	1.32E-06
1428 ALL	577904.3	4137007.5	5.97E-06	3.87E-06	9.84E-06	7.92E-07	5.61E-07	1.35E-06
1429 ALL	577912.03	4137002.23	6.11E-06	3.97E-06	1.01E-05	8.11E-07	5.74E-07	1.38E-06
1430 ALL	577919.76	4136996.96	6.25E-06	4.06E-06	1.03E-05	8.29E-07	5.87E-07	1.42E-06
1431 ALL	577927.48	4136991.69	6.37E-06	4.14E-06	1.05E-05	8.45E-07	5.99E-07	1.44E-06
1432 ALL	577935.21	4136986.42	6.49E-06	4.21E-06	1.07E-05	8.61E-07	6.10E-07	1.47E-06
1433 ALL	577942.94	4136981.15	6.58E-06	4.27E-06	1.09E-05	8.73E-07	6.19E-07	1.49E-06
1434 ALL	577950.67	4136975.88	6.62E-06	4.30E-06	1.09E-05	8.79E-07	6.22E-07	1.50E-06
1435 ALL	577967.59	4136972.32	6.88E-06	4.47E-06	1.14E-05	9.13E-07	6.47E-07	1.56E-06
1436 ALL	577976.79	4136974.04	7.11E-06	4.62E-06	1.17E-05	9.44E-07	6.69E-07	1.61E-06
1437 ALL	577985.98	4136975.76	7.34E-06	4.77E-06	1.21E-05	9.74E-07	6.90E-07	1.66E-06
1438 ALL	577995.18	4136977.48	7.55E-06	4.91E-06	1.25E-05	1.00E-06	7.10E-07	1.71E-06
1439 ALL	578004.37	4136979.2	7.76E-06	5.04E-06	1.28E-05	1.03E-06	7.29E-07	1.76E-06
1440 ALL	578013.57	4136980.92	7.96E-06	5.17E-06	1.31E-05	1.06E-06	7.48E-07	1.80E-06
1441 ALL	578022.76	4136982.64	8.15E-06	5.29E-06	1.34E-05	1.08E-06	7.66E-07	1.85E-06
1442 ALL	578031.96	4136984.36	8.33E-06	5.41E-06	1.37E-05	1.11E-06	7.83E-07	1.89E-06
1443 ALL	578041.15	4136986.08	8.50E-06	5.52E-06	1.40E-05	1.13E-06	7.99E-07	1.93E-06
1444 ALL	578050.35	4136987.8	8.52E-06	5.53E-06	1.40E-05	1.13E-06	8.00E-07	1.93E-06
1445 ALL	578059.54	4136989.52	8.65E-06	5.61E-06	1.43E-05	1.15E-06	8.13E-07	1.96E-06
1446 ALL	578169.88	4137010.15	9.16E-06	5.95E-06	1.51E-05	1.22E-06	8.61E-07	2.08E-06
1447 ALL	578179.08	4137011.87	9.05E-06	5.88E-06	1.49E-05	1.20E-06	8.50E-07	2.05E-06
1448 ALL	578188.27	4137013.59	8.92E-06	5.79E-06	1.47E-05	1.18E-06	8.38E-07	2.02E-06



1449 ALL	578197.47	4137015.31	8.77E-06	5.70E-06	1.45E-05	1.16E-06	8.24E-07	1.99E-06
1450 ALL	577749.75	4137112.93	2.24E-06	1.45E-06	3.69E-06	2.97E-07	2.10E-07	5.07E-07
1451 ALL	577744.56	4137120.83	2.12E-06	1.38E-06	3.50E-06	2.81E-07	1.99E-07	4.81E-07
1452 ALL	577739.38	4137128.73	2.01E-06	1.30E-06	3.31E-06	2.66E-07	1.89E-07	4.55E-07
1453 ALL	577734.2	4137136.63	1.90E-06	1.23E-06	3.13E-06	2.52E-07	1.78E-07	4.30E-07
1454 ALL	577729.02	4137144.53	1.79E-06	1.16E-06	2.95E-06	2.37E-07	1.68E-07	4.05E-07
1455 ALL	577723.84	4137152.43	1.68E-06	1.09E-06	2.78E-06	2.24E-07	1.58E-07	3.82E-07
1456 ALL	577718.66	4137160.33	1.59E-06	1.03E-06	2.62E-06	2.11E-07	1.49E-07	3.60E-07
1457 ALL	577713.48	4137168.23	1.50E-06	9.71E-07	2.47E-06	1.98E-07	1.41E-07	3.39E-07
1458 ALL	577708.29	4137176.13	1.41E-06	9.15E-07	2.32E-06	1.87E-07	1.32E-07	3.19E-07
1459 ALL	577703.11	4137184.03	1.33E-06	8.62E-07	2.19E-06	1.76E-07	1.25E-07	3.01E-07
1460 ALL	577697.93	4137191.93	1.25E-06	8.13E-07	2.06E-06	1.66E-07	1.18E-07	2.84E-07
1461 ALL	577692.75	4137199.83	1.12E-06	7.29E-07	1.85E-06	1.49E-07	1.05E-07	2.54E-07
1462 ALL	577687.57	4137207.73	1.07E-06	6.92E-07	1.76E-06	1.41E-07	1.00E-07	2.42E-07
1463 ALL	577682.39	4137215.64	1.01E-06	6.59E-07	1.67E-06	1.35E-07	9.53E-08	2.30E-07
1464 ALL	577677.21	4137223.54	9.68E-07	6.29E-07	1.60E-06	1.28E-07	9.10E-08	2.20E-07
1465 ALL	577672.03	4137231.44	9.27E-07	6.02E-07	1.53E-06	1.23E-07	8.71E-08	2.10E-07
1466 ALL	577741.28	4137097.19	2.12E-06	1.38E-06	3.50E-06	2.81E-07	1.99E-07	4.81E-07
1467 ALL	577748.89	4137091.99	2.27E-06	1.47E-06	3.74E-06	3.01E-07	2.13E-07	5.13E-07
1468 ALL	577756.5	4137086.8	2.42E-06	1.57E-06	3.99E-06	3.21E-07	2.27E-07	5.48E-07
1469 ALL	577764.12	4137081.61	2.58E-06	1.67E-06	4.25E-06	3.42E-07	2.42E-07	5.84E-07
1470 ALL	577771.73	4137076.42	2.73E-06	1.77E-06	4.51E-06	3.62E-07	2.57E-07	6.19E-07
1471 ALL	577779.34	4137071.22	2.89E-06	1.88E-06	4.77E-06	3.83E-07	2.72E-07	6.55E-07
1472 ALL	577786.96	4137066.03	3.05E-06	1.98E-06	5.04E-06	4.05E-07	2.87E-07	6.92E-07
1473 ALL	577794.57	4137060.84	3.09E-06	2.01E-06	5.10E-06	4.10E-07	2.91E-07	7.01E-07
1474 ALL	577802.18	4137055.64	3.26E-06	2.12E-06	5.37E-06	4.32E-07	3.06E-07	7.38E-07
1475 ALL	577809.8	4137050.45	3.42E-06	2.22E-06	5.63E-06	4.53E-07	3.21E-07	7.74E-07
1476 ALL	577817.41	4137045.26	3.57E-06	2.32E-06	5.88E-06	4.73E-07	3.35E-07	8.08E-07
1477 ALL	577825.02	4137040.06	3.72E-06	2.42E-06	6.14E-06	4.94E-07	3.50E-07	8.43E-07
1478 ALL	577832.63	4137034.87	3.90E-06	2.53E-06	6.44E-06	5.18E-07	3.67E-07	8.85E-07
1479 ALL	577840.25	4137029.68	4.08E-06	2.65E-06	6.73E-06	5.41E-07	3.84E-07	9.25E-07
1480 ALL	577847.86	4137024.49	4.25E-06	2.76E-06	7.01E-06	5.64E-07	3.99E-07	9.63E-07
1481 ALL	577855.47	4137019.29	4.42E-06	2.87E-06	7.28E-06	5.86E-07	4.15E-07	1.00E-06
1482 ALL	577863.09	4137014.1	4.58E-06	2.98E-06	7.56E-06	6.08E-07	4.31E-07	1.04E-06
1483 ALL	577870.7	4137008.91	4.74E-06	3.08E-06	7.81E-06	6.28E-07	4.45E-07	1.07E-06
1484 ALL	577878.31	4137003.71	4.88E-06	3.17E-06	8.05E-06	6.48E-07	4.59E-07	1.11E-06
1485 ALL	577885.93	4136998.52	5.03E-06	3.27E-06	8.30E-06	6.67E-07	4.73E-07	1.14E-06
1486 ALL	577893.54	4136993.33	5.35E-06	3.47E-06	8.82E-06	7.10E-07	5.03E-07	1.21E-06
1487 ALL	577901.15	4136988.13	5.48E-06	3.56E-06	9.04E-06	7.27E-07	5.15E-07	1.24E-06
1488 ALL	577908.77	4136982.94	5.61E-06	3.64E-06	9.25E-06	7.44E-07	5.27E-07	1.27E-06
1489 ALL	577916.38	4136977.75	5.72E-06	3.72E-06	9.44E-06	7.59E-07	5.38E-07	1.30E-06
1490 ALL	577923.99	4136972.56	5.83E-06	3.79E-06	9.62E-06	7.74E-07	5.48E-07	1.32E-06
1491 ALL	577931.61	4136967.36	5.93E-06	3.85E-06	9.78E-06	7.87E-07	5.57E-07	1.34E-06
1492 ALL	577939.22	4136962.17	6.02E-06	3.91E-06	9.92E-06	7.98E-07	5.65E-07	1.36E-06
1493 ALL	577946.83	4136956.98	6.07E-06	3.94E-06	1.00E-05	8.05E-07	5.70E-07	1.38E-06
1494 ALL	577963.5	4136953.48	6.30E-06	4.09E-06	1.04E-05	8.35E-07	5.92E-07	1.43E-06
1495 ALL	577972.56	4136955.17	6.50E-06	4.22E-06	1.07E-05	8.62E-07	6.11E-07	1.47E-06
1496 ALL	577981.62	4136956.86	6.69E-06	4.35E-06	1.10E-05	8.88E-07	6.29E-07	1.52E-06
1497 ALL	577990.68	4136958.56	6.88E-06	4.47E-06	1.14E-05	9.13E-07	6.47E-07	1.56E-06
1498 ALL	577999.74	4136960.25	7.07E-06	4.59E-06	1.17E-05	9.38E-07	6.64E-07	1.60E-06
1499 ALL	578008.8	4136961.95	7.24E-06	4.70E-06	1.19E-05	9.61E-07	6.81E-07	1.64E-06
1500 ALL	578017.86	4136963.64	7.41E-06	4.81E-06	1.22E-05	9.84E-07	6.97E-07	1.68E-06
1501 ALL	578026.91	4136965.33	7.58E-06	4.92E-06	1.25E-05	1.01E-06	7.12E-07	1.72E-06
1502 ALL	578035.97	4136967.03	7.73E-06	5.02E-06	1.28E-05	1.03E-06	7.26E-07	1.75E-06
1503 ALL	578045.03	4136968.72	7.76E-06	5.04E-06	1.28E-05	1.03E-06	7.29E-07	1.76E-06
1504 ALL	578054.09	4136970.42	7.88E-06	5.12E-06	1.30E-05	1.05E-06	7.40E-07	1.79E-06
1505 ALL	578063.15	4136972.11	7.99E-06	5.19E-06	1.32E-05	1.06E-06	7.51E-07	1.81E-06
1506 ALL	578162.79	4136990.74	8.43E-06	5.48E-06	1.39E-05	1.12E-06	7.93E-07	1.91E-06
1507 ALL	578171.85	4136992.43	8.37E-06	5.43E-06	1.38E-05	1.11E-06	7.86E-07	1.90E-06
1508 ALL	578180.91	4136994.13	8.28E-06	5.38E-06	1.37E-05	1.10E-06	7.78E-07	1.88E-06
1509 ALL	578189.97	4136995.82	8.29E-06	5.39E-06	1.37E-05	1.10E-06	7.80E-07	1.88E-06
1510 ALL	578199.03	4136997.52	8.19E-06	5.32E-06	1.35E-05	1.09E-06	7.70E-07	1.86E-06
1511 ALL	578208.09	4136999.21	8.07E-06	5.24E-06	1.33E-05	1.07E-06	7.58E-07	1.83E-06

1512 ALL	577733.66	4137102.38	1.99E-06	1.29E-06	3.28E-06	2.64E-07	1.87E-07	4.50E-07
1513 ALL	577728.48	4137110.28	1.88E-06	1.22E-06	3.11E-06	2.50E-07	1.77E-07	4.27E-07
1514 ALL	577723.3	4137118.18	1.78E-06	1.16E-06	2.93E-06	2.36E-07	1.67E-07	4.03E-07
1515 ALL	577718.12	4137126.08	1.57E-06	1.02E-06	2.60E-06	2.09E-07	1.48E-07	3.57E-07
1516 ALL	577712.94	4137133.98	1.48E-06	9.59E-07	2.43E-06	1.96E-07	1.39E-07	3.35E-07
1517 ALL	577707.76	4137141.88	1.39E-06	9.02E-07	2.29E-06	1.84E-07	1.31E-07	3.15E-07
1518 ALL	577702.58	4137149.78	1.31E-06	8.52E-07	2.16E-06	1.74E-07	1.23E-07	2.98E-07
1519 ALL	577697.39	4137157.69	1.25E-06	8.09E-07	2.05E-06	1.65E-07	1.17E-07	2.82E-07
1520 ALL	577692.21	4137165.59	1.18E-06	7.66E-07	1.95E-06	1.57E-07	1.11E-07	2.67E-07
1521 ALL	577687.03	4137173.49	1.11E-06	7.23E-07	1.84E-06	1.48E-07	1.05E-07	2.52E-07
1522 ALL	577681.85	4137181.39	1.05E-06	6.82E-07	1.73E-06	1.39E-07	9.87E-08	2.38E-07
1523 ALL	577676.67	4137189.29	9.92E-07	6.45E-07	1.64E-06	1.32E-07	9.33E-08	2.25E-07
1524 ALL	577671.49	4137197.19	9.37E-07	6.09E-07	1.55E-06	1.24E-07	8.81E-08	2.12E-07
1525 ALL	577666.31	4137205.09	8.83E-07	5.73E-07	1.46E-06	1.17E-07	8.30E-08	2.00E-07
1526 ALL	577661.13	4137212.99	8.31E-07	5.39E-07	1.37E-06	1.10E-07	7.81E-08	1.88E-07
1527 ALL	577655.94	4137220.89	7.80E-07	5.07E-07	1.29E-06	1.04E-07	7.33E-08	1.77E-07
1528 ALL	577945.86	4137434.73	7.81E-05	5.07E-05	1.29E-04	1.04E-05	7.34E-06	1.77E-05
1529 ALL	577953.76	4137439.7	8.20E-05	5.32E-05	1.35E-04	1.09E-05	7.70E-06	1.86E-05
1530 ALL	577961.66	4137444.68	7.73E-05	5.02E-05	1.27E-04	1.03E-05	7.26E-06	1.75E-05
1531 ALL	577920.71	4137411.6	3.33E-05	2.16E-05	5.50E-05	4.42E-06	3.13E-06	7.56E-06
1532 ALL	577940.53	4137443.19	6.47E-05	4.20E-05	1.07E-04	8.59E-06	6.08E-06	1.47E-05
1533 ALL	577948.43	4137448.17	6.67E-05	4.33E-05	1.10E-04	8.85E-06	6.27E-06	1.51E-05
1534 ALL	577956.33	4137453.14	6.27E-05	4.08E-05	1.03E-04	8.33E-06	5.90E-06	1.42E-05
1535 ALL	577913.98	4137427.67	3.50E-05	2.28E-05	5.78E-05	4.65E-06	3.29E-06	7.94E-06
1536 ALL	577910.94	4137413.72	2.71E-05	1.76E-05	4.47E-05	3.59E-06	2.55E-06	6.14E-06
1537 ALL	577908.65	4137436.13	3.34E-05	2.17E-05	5.52E-05	4.44E-06	3.14E-06	7.58E-06
1538 ALL	577901.17	4137415.85	2.24E-05	1.46E-05	3.70E-05	2.98E-06	2.11E-06	5.09E-06
1539 ALL	577903.99	4137400.63	1.88E-05	1.22E-05	3.11E-05	2.50E-06	1.77E-06	4.27E-06
1540 ALL	577905.98	4137448.39	3.35E-05	2.18E-05	5.53E-05	4.45E-06	3.15E-06	7.59E-06
1541 ALL	577900.65	4137440.79	2.92E-05	1.90E-05	4.82E-05	3.88E-06	2.75E-06	6.63E-06
1542 ALL	577895.32	4137433.18	2.46E-05	1.60E-05	4.06E-05	3.27E-06	2.32E-06	5.59E-06
1543 ALL	577924.54	4137468.57	4.01E-05	2.60E-05	6.61E-05	5.32E-06	3.77E-06	9.08E-06
1544 ALL	577932.44	4137473.55	3.99E-05	2.59E-05	6.57E-05	5.29E-06	3.75E-06	9.04E-06
1545 ALL	577940.34	4137478.53	3.77E-05	2.45E-05	6.23E-05	5.01E-06	3.55E-06	8.56E-06
1546 ALL	577948.24	4137483.5	3.41E-05	2.22E-05	5.63E-05	4.53E-06	3.21E-06	7.74E-06
1547 ALL	577956.14	4137488.48	2.98E-05	1.93E-05	4.91E-05	3.95E-06	2.80E-06	6.75E-06
1548 ALL	577900.95	4137457.27	3.10E-05	2.01E-05	5.12E-05	4.11E-06	2.91E-06	7.03E-06
1549 ALL	577890.58	4137442.49	2.44E-05	1.58E-05	4.02E-05	3.23E-06	2.29E-06	5.52E-06
1550 ALL	577885.4	4137435.1	2.07E-05	1.34E-05	3.41E-05	2.75E-06	1.94E-06	4.69E-06
1551 ALL	577919.21	4137477.04	3.50E-05	2.27E-05	5.77E-05	4.64E-06	3.29E-06	7.93E-06
1552 ALL	577927.11	4137482.01	3.46E-05	2.25E-05	5.71E-05	4.59E-06	3.25E-06	7.85E-06
1553 ALL	577935.01	4137486.99	3.28E-05	2.13E-05	5.41E-05	4.36E-06	3.09E-06	7.44E-06
1554 ALL	577942.91	4137491.96	3.00E-05	1.95E-05	4.95E-05	3.98E-06	2.82E-06	6.80E-06
1555 ALL	577890.75	4137458.8	2.63E-05	1.71E-05	4.35E-05	3.50E-06	2.48E-06	5.97E-06
1556 ALL	577880.6	4137444.31	2.06E-05	1.34E-05	3.40E-05	2.73E-06	1.94E-06	4.67E-06
1557 ALL	577913.88	4137485.5	3.09E-05	2.01E-05	5.09E-05	4.10E-06	2.90E-06	7.00E-06
1558 ALL	577921.78	4137490.47	3.04E-05	1.97E-05	5.02E-05	4.03E-06	2.86E-06	6.89E-06
1559 ALL	577929.68	4137495.45	2.89E-05	1.88E-05	4.76E-05	3.83E-06	2.71E-06	6.55E-06
1560 ALL	577937.58	4137500.43	2.66E-05	1.73E-05	4.39E-05	3.53E-06	2.50E-06	6.03E-06
1561 ALL	577945.48	4137505.4	2.38E-05	1.55E-05	3.93E-05	3.16E-06	2.24E-06	5.40E-06
1562 ALL	577885.66	4137467.6	2.46E-05	1.60E-05	4.06E-05	3.27E-06	2.32E-06	5.59E-06
1563 ALL	577875.67	4137453.34	2.02E-05	1.31E-05	3.33E-05	2.68E-06	1.90E-06	4.57E-06
1564 ALL	577908.55	4137493.96	2.75E-05	1.78E-05	4.53E-05	3.65E-06	2.58E-06	6.23E-06
1565 ALL	577916.45	4137498.93	2.70E-05	1.75E-05	4.45E-05	3.58E-06	2.54E-06	6.12E-06
1566 ALL	577924.35	4137503.91	2.57E-05	1.67E-05	4.24E-05	3.41E-06	2.41E-06	5.82E-06
1567 ALL	577932.25	4137508.89	2.38E-05	1.55E-05	3.93E-05	3.16E-06	2.24E-06	5.39E-06
1568 ALL	577880.52	4137476.32	2.30E-05	1.49E-05	3.79E-05	3.05E-06	2.16E-06	5.21E-06
1569 ALL	577870.65	4137462.24	1.95E-05	1.27E-05	3.22E-05	2.59E-06	1.83E-06	4.42E-06
1570 ALL	577903.22	4137502.42	2.46E-05	1.60E-05	4.06E-05	3.27E-06	2.32E-06	5.58E-06
1571 ALL	577911.12	4137507.4	2.41E-05	1.57E-05	3.98E-05	3.20E-06	2.27E-06	5.47E-06
1572 ALL	577919.02	4137512.37	2.30E-05	1.50E-05	3.80E-05	3.06E-06	2.16E-06	5.22E-06
1573 ALL	577926.92	4137517.35	2.15E-05	1.39E-05	3.54E-05	2.85E-06	2.02E-06	4.86E-06
1574 ALL	577934.82	4137522.32	1.96E-05	1.27E-05	3.23E-05	2.60E-06	1.84E-06	4.44E-06

1575 ALL	577874.48	4137498.61	2.04E-05	1.33E-05	3.37E-05	2.71E-06	1.92E-06	4.63E-06
1576 ALL	577869.19	4137491.05	1.98E-05	1.28E-05	3.26E-05	2.62E-06	1.86E-06	4.48E-06
1577 ALL	577863.89	4137483.5	1.87E-05	1.21E-05	3.08E-05	2.48E-06	1.75E-06	4.23E-06
1578 ALL	577858.59	4137475.94	1.72E-05	1.12E-05	2.84E-05	2.29E-06	1.62E-06	3.91E-06
1579 ALL	577845.56	4137365.59	4.68E-06	3.04E-06	7.72E-06	6.21E-07	4.40E-07	1.06E-06
1580 ALL	577847.24	4137356.52	4.47E-06	2.90E-06	7.37E-06	5.93E-07	4.20E-07	1.01E-06
1581 ALL	577892.97	4137518.69	2.04E-05	1.32E-05	3.36E-05	2.70E-06	1.91E-06	4.61E-06
1582 ALL	577900.87	4137523.67	1.99E-05	1.29E-05	3.28E-05	2.64E-06	1.87E-06	4.51E-06
1583 ALL	577908.77	4137528.64	1.90E-05	1.24E-05	3.14E-05	2.53E-06	1.79E-06	4.31E-06
1584 ALL	577864.57	4137515.37	1.76E-05	1.14E-05	2.90E-05	2.33E-06	1.65E-06	3.99E-06
1585 ALL	577854.32	4137500.74	1.67E-05	1.09E-05	2.76E-05	2.22E-06	1.57E-06	3.79E-06
1586 ALL	577821.45	4137398.35	4.92E-06	3.20E-06	8.12E-06	6.53E-07	4.62E-07	1.12E-06
1587 ALL	577824.7	4137380.8	4.24E-06	2.75E-06	6.99E-06	5.62E-07	3.98E-07	9.60E-07
1588 ALL	577827.96	4137363.24	3.76E-06	2.44E-06	6.20E-06	4.99E-07	3.53E-07	8.52E-07
1589 ALL	577849.57	4137524.85	1.52E-05	9.85E-06	2.50E-05	2.01E-06	1.43E-06	3.44E-06
1590 ALL	577839.56	4137510.57	1.43E-05	9.32E-06	2.37E-05	1.90E-06	1.35E-06	3.25E-06
1591 ALL	577796.12	4137437.77	5.62E-06	3.65E-06	9.28E-06	7.46E-07	5.28E-07	1.27E-06
1592 ALL	577799.29	4137420.63	4.88E-06	3.17E-06	8.04E-06	6.47E-07	4.58E-07	1.11E-06
1593 ALL	577802.47	4137403.49	4.21E-06	2.73E-06	6.94E-06	5.58E-07	3.96E-07	9.54E-07
1594 ALL	577805.64	4137386.35	3.66E-06	2.38E-06	6.04E-06	4.86E-07	3.44E-07	8.30E-07
1595 ALL	577808.82	4137369.2	3.25E-06	2.11E-06	5.36E-06	4.31E-07	3.06E-07	7.37E-07
1596 ALL	577811.99	4137352.06	2.99E-06	1.94E-06	4.93E-06	3.97E-07	2.81E-07	6.78E-07
1597 ALL	577880.38	4137556.21	1.44E-05	9.33E-06	2.37E-05	1.91E-06	1.35E-06	3.26E-06
1598 ALL	577888.28	4137561.19	1.38E-05	8.97E-06	2.28E-05	1.83E-06	1.30E-06	3.13E-06
1599 ALL	577896.18	4137566.16	1.31E-05	8.50E-06	2.16E-05	1.74E-06	1.23E-06	2.97E-06
1600 ALL	577904.08	4137571.14	1.23E-05	7.97E-06	2.02E-05	1.63E-06	1.15E-06	2.78E-06
1601 ALL	577849.09	4137555.06	1.32E-05	8.59E-06	2.18E-05	1.75E-06	1.24E-06	3.00E-06
1602 ALL	577828.13	4137525.16	1.28E-05	8.30E-06	2.11E-05	1.70E-06	1.20E-06	2.90E-06
1603 ALL	577777.4	4137441.45	4.73E-06	3.07E-06	7.80E-06	6.27E-07	4.44E-07	1.07E-06
1604 ALL	577779.06	4137432.48	4.41E-06	2.86E-06	7.27E-06	5.85E-07	4.14E-07	9.99E-07
1605 ALL	577780.72	4137423.5	4.10E-06	2.66E-06	6.76E-06	5.44E-07	3.85E-07	9.30E-07
1606 ALL	577782.39	4137414.53	3.81E-06	2.48E-06	6.29E-06	5.06E-07	3.59E-07	8.65E-07
1607 ALL	577784.05	4137405.55	3.55E-06	2.31E-06	5.85E-06	4.71E-07	3.34E-07	8.05E-07
1608 ALL	577785.71	4137396.58	3.31E-06	2.15E-06	5.46E-06	4.39E-07	3.11E-07	7.50E-07
1609 ALL	577787.37	4137387.6	3.10E-06	2.01E-06	5.11E-06	4.11E-07	2.91E-07	7.03E-07
1610 ALL	577790.7	4137369.65	2.76E-06	1.79E-06	4.56E-06	3.67E-07	2.60E-07	6.26E-07
1611 ALL	577792.36	4137360.68	2.64E-06	1.71E-06	4.35E-06	3.50E-07	2.48E-07	5.98E-07
1612 ALL	577794.02	4137351.7	2.54E-06	1.65E-06	4.19E-06	3.37E-07	2.39E-07	5.76E-07
1613 ALL	577795.69	4137342.73	2.47E-06	1.61E-06	4.08E-06	3.28E-07	2.33E-07	5.61E-07
1614 ALL	577797.35	4137333.75	2.43E-06	1.58E-06	4.02E-06	3.23E-07	2.29E-07	5.52E-07
1615 ALL	577799.01	4137324.78	2.42E-06	1.57E-06	4.00E-06	3.22E-07	2.28E-07	5.50E-07
1616 ALL	577854.33	4137562.53	1.29E-05	8.38E-06	2.13E-05	1.71E-06	1.21E-06	2.93E-06
1617 ALL	577862.23	4137567.51	1.28E-05	8.28E-06	2.10E-05	1.69E-06	1.20E-06	2.89E-06
1618 ALL	577870.13	4137572.48	1.24E-05	8.08E-06	2.05E-05	1.65E-06	1.17E-06	2.82E-06
1619 ALL	577878.03	4137577.46	1.20E-05	7.79E-06	1.98E-05	1.59E-06	1.13E-06	2.72E-06
1620 ALL	577885.93	4137582.44	1.14E-05	7.42E-06	1.89E-05	1.52E-06	1.07E-06	2.59E-06
1621 ALL	577893.83	4137587.41	1.08E-05	7.00E-06	1.78E-05	1.43E-06	1.01E-06	2.44E-06
1622 ALL	577838.95	4137571.49	1.16E-05	7.55E-06	1.92E-05	1.54E-06	1.09E-06	2.63E-06
1623 ALL	577828.7	4137556.87	1.19E-05	7.70E-06	1.96E-05	1.57E-06	1.11E-06	2.69E-06
1624 ALL	577772.32	4137476.45	6.05E-06	3.93E-06	9.97E-06	8.02E-07	5.68E-07	1.37E-06
1625 ALL	577762.07	4137461.82	4.82E-06	3.13E-06	7.94E-06	6.39E-07	4.53E-07	1.09E-06
1626 ALL	577758.57	4137445.73	4.02E-06	2.61E-06	6.63E-06	5.33E-07	3.78E-07	9.11E-07
1627 ALL	577761.82	4137428.17	3.52E-06	2.29E-06	5.81E-06	4.67E-07	3.31E-07	7.98E-07
1628 ALL	577765.08	4137410.61	3.08E-06	2.00E-06	5.08E-06	4.09E-07	2.90E-07	6.98E-07
1629 ALL	577768.33	4137393.05	2.72E-06	1.76E-06	4.48E-06	3.60E-07	2.55E-07	6.15E-07
1630 ALL	577771.58	4137375.5	2.43E-06	1.58E-06	4.01E-06	3.23E-07	2.29E-07	5.51E-07
1631 ALL	577774.84	4137357.94	2.23E-06	1.45E-06	3.68E-06	2.96E-07	2.10E-07	5.06E-07
1632 ALL	577778.09	4137340.38	2.11E-06	1.37E-06	3.47E-06	2.79E-07	1.98E-07	4.77E-07
1633 ALL	577779.71	4137331.6	2.07E-06	1.35E-06	3.42E-06	2.75E-07	1.95E-07	4.70E-07
1634 ALL	577851.98	4137583.78	1.12E-05	7.26E-06	1.84E-05	1.48E-06	1.05E-06	2.53E-06
1635 ALL	577859.88	4137588.76	1.09E-05	7.08E-06	1.80E-05	1.45E-06	1.02E-06	2.47E-06
1636 ALL	577867.78	4137593.73	1.05E-05	6.84E-06	1.74E-05	1.40E-06	9.89E-07	2.39E-06
1637 ALL	577875.68	4137598.71	1.01E-05	6.54E-06	1.66E-05	1.34E-06	9.46E-07	2.28E-06

1638 ALL	577883.58	4137603.68	9.54E-06	6.20E-06	1.57E-05	1.27E-06	8.97E-07	2.16E-06
1639 ALL	577828.51	4137587.49	1.03E-05	6.70E-06	1.70E-05	1.37E-06	9.69E-07	2.34E-06
1640 ALL	577823.2	4137579.91	1.05E-05	6.82E-06	1.73E-05	1.39E-06	9.86E-07	2.38E-06
1641 ALL	577817.88	4137572.33	1.06E-05	6.87E-06	1.74E-05	1.40E-06	9.94E-07	2.40E-06
1642 ALL	577812.57	4137564.75	1.06E-05	6.85E-06	1.74E-05	1.40E-06	9.92E-07	2.39E-06
1643 ALL	577807.25	4137557.17	1.04E-05	6.76E-06	1.72E-05	1.38E-06	9.79E-07	2.36E-06
1644 ALL	577764.73	4137496.51	6.37E-06	4.14E-06	1.05E-05	8.45E-07	5.99E-07	1.44E-06
1645 ALL	577759.42	4137488.93	5.76E-06	3.74E-06	9.50E-06	7.64E-07	5.41E-07	1.31E-06
1646 ALL	577754.1	4137481.34	5.17E-06	3.36E-06	8.53E-06	6.86E-07	4.86E-07	1.17E-06
1647 ALL	577748.78	4137473.76	4.63E-06	3.01E-06	7.63E-06	6.14E-07	4.35E-07	1.05E-06
1648 ALL	577743.47	4137466.18	4.13E-06	2.68E-06	6.81E-06	5.47E-07	3.88E-07	9.35E-07
1649 ALL	577739.84	4137449.49	3.45E-06	2.24E-06	5.69E-06	4.57E-07	3.24E-07	7.81E-07
1650 ALL	577741.53	4137440.39	3.23E-06	2.10E-06	5.32E-06	4.28E-07	3.03E-07	7.32E-07
1651 ALL	577743.21	4137431.28	3.02E-06	1.96E-06	4.98E-06	4.01E-07	2.84E-07	6.85E-07
1652 ALL	577744.9	4137422.18	2.83E-06	1.84E-06	4.66E-06	3.75E-07	2.66E-07	6.41E-07
1653 ALL	577746.59	4137413.07	2.65E-06	1.72E-06	4.37E-06	3.52E-07	2.49E-07	6.01E-07
1654 ALL	577748.27	4137403.97	2.49E-06	1.62E-06	4.10E-06	3.30E-07	2.34E-07	5.64E-07
1655 ALL	577749.96	4137394.86	2.34E-06	1.52E-06	3.86E-06	3.11E-07	2.20E-07	5.31E-07
1656 ALL	577751.65	4137385.76	2.21E-06	1.44E-06	3.65E-06	2.94E-07	2.08E-07	5.02E-07
1657 ALL	577753.33	4137376.66	2.10E-06	1.37E-06	3.47E-06	2.79E-07	1.98E-07	4.77E-07
1658 ALL	577755.02	4137367.55	2.01E-06	1.31E-06	3.32E-06	2.67E-07	1.89E-07	4.56E-07
1659 ALL	577756.71	4137358.45	1.93E-06	1.26E-06	3.19E-06	2.57E-07	1.82E-07	4.38E-07
1660 ALL	577758.39	4137349.34	1.87E-06	1.22E-06	3.09E-06	2.48E-07	1.76E-07	4.24E-07
1661 ALL	577760.08	4137340.24	1.82E-06	1.18E-06	3.01E-06	2.42E-07	1.71E-07	4.13E-07
1662 ALL	577761.77	4137331.13	1.79E-06	1.16E-06	2.95E-06	2.37E-07	1.68E-07	4.05E-07
1663 ALL	577763.45	4137322.03	1.77E-06	1.15E-06	2.91E-06	2.34E-07	1.66E-07	4.00E-07
1664 ALL	577765.14	4137312.92	1.76E-06	1.15E-06	2.91E-06	2.34E-07	1.66E-07	4.00E-07
1665 ALL	577766.83	4137303.82	1.78E-06	1.16E-06	2.94E-06	2.36E-07	1.67E-07	4.03E-07
1666 ALL	577833.83	4137595.08	1.00E-05	6.52E-06	1.66E-05	1.33E-06	9.43E-07	2.28E-06
1667 ALL	577841.73	4137600.05	9.89E-06	6.42E-06	1.63E-05	1.31E-06	9.29E-07	2.24E-06
1668 ALL	577849.63	4137605.03	9.65E-06	6.27E-06	1.59E-05	1.28E-06	9.07E-07	2.19E-06
1669 ALL	577857.53	4137610	9.33E-06	6.06E-06	1.54E-05	1.24E-06	8.77E-07	2.11E-06
1670 ALL	577865.43	4137614.98	8.94E-06	5.81E-06	1.48E-05	1.19E-06	8.40E-07	2.03E-06
1671 ALL	577873.33	4137619.96	8.51E-06	5.53E-06	1.40E-05	1.13E-06	8.00E-07	1.93E-06
1672 ALL	577818.37	4137603.91	9.21E-06	5.98E-06	1.52E-05	1.22E-06	8.66E-07	2.09E-06
1673 ALL	577813.16	4137596.48	9.39E-06	6.10E-06	1.55E-05	1.25E-06	8.82E-07	2.13E-06
1674 ALL	577807.95	4137589.05	9.49E-06	6.16E-06	1.57E-05	1.26E-06	8.92E-07	2.15E-06
1675 ALL	577802.74	4137581.61	9.52E-06	6.18E-06	1.57E-05	1.26E-06	8.94E-07	2.16E-06
1676 ALL	577792.31	4137566.75	9.30E-06	6.04E-06	1.53E-05	1.23E-06	8.74E-07	2.11E-06
1677 ALL	577787.1	4137559.32	9.07E-06	5.89E-06	1.50E-05	1.20E-06	8.52E-07	2.06E-06
1678 ALL	577766.26	4137529.58	7.45E-06	4.84E-06	1.23E-05	9.88E-07	7.00E-07	1.69E-06
1679 ALL	577755.84	4137514.72	6.41E-06	4.16E-06	1.06E-05	8.51E-07	6.03E-07	1.45E-06
1680 ALL	577750.63	4137507.28	5.88E-06	3.82E-06	9.71E-06	7.81E-07	5.53E-07	1.33E-06
1681 ALL	577745.42	4137499.85	5.37E-06	3.49E-06	8.85E-06	7.12E-07	5.04E-07	1.22E-06
1682 ALL	577735	4137484.98	4.39E-06	2.85E-06	7.25E-06	5.83E-07	4.13E-07	9.96E-07
1683 ALL	577729.78	4137477.55	3.96E-06	2.57E-06	6.53E-06	5.25E-07	3.72E-07	8.97E-07
1684 ALL	577724.57	4137470.12	3.56E-06	2.31E-06	5.87E-06	4.72E-07	3.34E-07	8.07E-07
1685 ALL	577721.02	4137453.76	3.01E-06	1.95E-06	4.96E-06	3.99E-07	2.83E-07	6.82E-07
1686 ALL	577722.67	4137444.83	2.83E-06	1.84E-06	4.66E-06	3.75E-07	2.66E-07	6.41E-07
1687 ALL	577725.98	4137426.98	2.49E-06	1.62E-06	4.11E-06	3.31E-07	2.34E-07	5.65E-07
1688 ALL	577727.63	4137418.05	2.34E-06	1.52E-06	3.87E-06	3.11E-07	2.20E-07	5.31E-07
1689 ALL	577730.94	4137400.2	2.08E-06	1.35E-06	3.44E-06	2.77E-07	1.96E-07	4.73E-07
1690 ALL	577732.59	4137391.28	1.97E-06	1.28E-06	3.26E-06	2.62E-07	1.86E-07	4.48E-07
1691 ALL	577734.24	4137382.35	1.88E-06	1.22E-06	3.10E-06	2.49E-07	1.77E-07	4.26E-07
1692 ALL	577737.55	4137364.5	1.73E-06	1.12E-06	2.85E-06	2.29E-07	1.63E-07	3.92E-07
1693 ALL	577739.2	4137355.57	1.67E-06	1.09E-06	2.76E-06	2.22E-07	1.57E-07	3.79E-07
1694 ALL	577742.51	4137337.72	1.59E-06	1.03E-06	2.63E-06	2.11E-07	1.50E-07	3.61E-07
1695 ALL	577744.16	4137328.8	1.57E-06	1.02E-06	2.59E-06	2.08E-07	1.47E-07	3.55E-07
1696 ALL	577745.82	4137319.87	1.55E-06	1.01E-06	2.56E-06	2.06E-07	1.46E-07	3.52E-07
1697 ALL	577749.12	4137302.02	1.56E-06	1.01E-06	2.57E-06	2.07E-07	1.46E-07	3.53E-07
1698 ALL	577831.48	4137616.32	8.82E-06	5.73E-06	1.46E-05	1.17E-06	8.29E-07	2.00E-06
1699 ALL	577839.38	4137621.3	8.61E-06	5.59E-06	1.42E-05	1.14E-06	8.09E-07	1.95E-06
1700 ALL	577847.28	4137626.28	8.34E-06	5.42E-06	1.38E-05	1.11E-06	7.84E-07	1.89E-06

1701 ALL	577855.18	4137631.25	8.02E-06	5.21E-06	1.32E-05	1.06E-06	7.54E-07	1.82E-06
1702 ALL	577863.08	4137636.23	7.66E-06	4.98E-06	1.26E-05	1.02E-06	7.20E-07	1.74E-06
1703 ALL	577808.2	4137620.31	8.29E-06	5.38E-06	1.37E-05	1.10E-06	7.79E-07	1.88E-06
1704 ALL	577797.95	4137605.69	8.57E-06	5.57E-06	1.41E-05	1.14E-06	8.05E-07	1.94E-06
1705 ALL	577792.83	4137598.37	8.62E-06	5.60E-06	1.42E-05	1.14E-06	8.10E-07	1.95E-06
1706 ALL	577782.58	4137583.75	8.52E-06	5.53E-06	1.41E-05	1.13E-06	8.01E-07	1.93E-06
1707 ALL	577772.33	4137569.13	8.16E-06	5.30E-06	1.35E-05	1.08E-06	7.67E-07	1.85E-06
1708 ALL	577767.2	4137561.82	7.88E-06	5.12E-06	1.30E-05	1.05E-06	7.41E-07	1.79E-06
1709 ALL	577736.45	4137517.95	5.44E-06	3.53E-06	8.97E-06	7.22E-07	5.11E-07	1.23E-06
1710 ALL	577726.2	4137503.33	4.57E-06	2.97E-06	7.54E-06	6.07E-07	4.30E-07	1.04E-06
1711 ALL	577715.95	4137488.7	3.79E-06	2.46E-06	6.24E-06	5.02E-07	3.56E-07	8.58E-07
1712 ALL	577705.7	4137474.08	3.11E-06	2.02E-06	5.13E-06	4.12E-07	2.92E-07	7.04E-07
1713 ALL	577702.2	4137457.99	2.66E-06	1.73E-06	4.38E-06	3.52E-07	2.50E-07	6.02E-07
1714 ALL	577705.45	4137440.43	2.36E-06	1.53E-06	3.89E-06	3.13E-07	2.22E-07	5.35E-07
1715 ALL	577708.7	4137422.87	2.09E-06	1.36E-06	3.45E-06	2.78E-07	1.97E-07	4.75E-07
1716 ALL	577711.96	4137405.31	1.87E-06	1.22E-06	3.09E-06	2.49E-07	1.76E-07	4.25E-07
1717 ALL	577715.21	4137387.75	1.70E-06	1.10E-06	2.80E-06	2.26E-07	1.60E-07	3.85E-07
1718 ALL	577718.46	4137370.2	1.57E-06	1.02E-06	2.58E-06	2.08E-07	1.47E-07	3.55E-07
1719 ALL	577721.71	4137352.64	1.47E-06	9.56E-07	2.43E-06	1.95E-07	1.38E-07	3.34E-07
1720 ALL	577723.34	4137343.86	1.44E-06	9.34E-07	2.37E-06	1.91E-07	1.35E-07	3.26E-07
1721 ALL	577726.59	4137326.3	1.40E-06	9.06E-07	2.30E-06	1.85E-07	1.31E-07	3.16E-07
1722 ALL	577729.84	4137308.74	1.38E-06	8.96E-07	2.28E-06	1.83E-07	1.30E-07	3.13E-07
1723 ALL	577733.1	4137291.18	1.39E-06	9.05E-07	2.30E-06	1.85E-07	1.31E-07	3.16E-07
1724 ALL	577821.23	4137632.6	7.93E-06	5.15E-06	1.31E-05	1.05E-06	7.45E-07	1.80E-06
1725 ALL	577829.13	4137637.57	7.74E-06	5.03E-06	1.28E-05	1.03E-06	7.28E-07	1.76E-06
1726 ALL	577837.03	4137642.55	7.51E-06	4.88E-06	1.24E-05	9.96E-07	7.06E-07	1.70E-06
1727 ALL	577844.93	4137647.52	7.24E-06	4.70E-06	1.19E-05	9.60E-07	6.80E-07	1.64E-06
1728 ALL	577852.83	4137652.5	6.93E-06	4.50E-06	1.14E-05	9.19E-07	6.51E-07	1.57E-06
1729 ALL	577797.81	4137636.37	7.51E-06	4.88E-06	1.24E-05	9.97E-07	7.06E-07	1.70E-06
1730 ALL	577792.53	4137628.84	7.68E-06	4.98E-06	1.27E-05	1.02E-06	7.21E-07	1.74E-06
1731 ALL	577787.26	4137621.32	7.79E-06	5.06E-06	1.28E-05	1.03E-06	7.32E-07	1.77E-06
1732 ALL	577781.98	4137613.8	7.85E-06	5.10E-06	1.29E-05	1.04E-06	7.38E-07	1.78E-06
1733 ALL	577776.71	4137606.28	7.85E-06	5.10E-06	1.29E-05	1.04E-06	7.38E-07	1.78E-06
1734 ALL	577771.44	4137598.75	7.80E-06	5.06E-06	1.29E-05	1.03E-06	7.33E-07	1.77E-06
1735 ALL	577766.16	4137591.23	7.68E-06	4.99E-06	1.27E-05	1.02E-06	7.22E-07	1.74E-06
1736 ALL	577760.89	4137583.71	7.51E-06	4.88E-06	1.24E-05	9.97E-07	7.06E-07	1.70E-06
1737 ALL	577755.61	4137576.18	7.29E-06	4.73E-06	1.20E-05	9.67E-07	6.85E-07	1.65E-06
1738 ALL	577750.34	4137568.66	7.01E-06	4.55E-06	1.16E-05	9.31E-07	6.59E-07	1.59E-06
1739 ALL	577745.07	4137561.14	6.70E-06	4.35E-06	1.10E-05	8.89E-07	6.29E-07	1.52E-06
1740 ALL	577739.79	4137553.61	6.35E-06	4.12E-06	1.05E-05	8.42E-07	5.96E-07	1.44E-06
1741 ALL	577718.7	4137523.52	4.77E-06	3.10E-06	7.87E-06	6.33E-07	4.49E-07	1.08E-06
1742 ALL	577713.42	4137516	4.39E-06	2.85E-06	7.23E-06	5.82E-07	4.12E-07	9.94E-07
1743 ALL	577708.15	4137508.47	4.01E-06	2.61E-06	6.62E-06	5.33E-07	3.77E-07	9.10E-07
1744 ALL	577702.88	4137500.95	3.66E-06	2.38E-06	6.04E-06	4.86E-07	3.44E-07	8.30E-07
1745 ALL	577697.6	4137493.43	3.33E-06	2.16E-06	5.49E-06	4.42E-07	3.13E-07	7.55E-07
1746 ALL	577692.33	4137485.9	3.02E-06	1.96E-06	4.99E-06	4.01E-07	2.84E-07	6.85E-07
1747 ALL	577687.05	4137478.38	2.74E-06	1.78E-06	4.52E-06	3.64E-07	2.58E-07	6.22E-07
1748 ALL	577683.45	4137461.82	2.35E-06	1.53E-06	3.88E-06	3.12E-07	2.21E-07	5.33E-07
1749 ALL	577685.13	4137452.79	2.22E-06	1.44E-06	3.66E-06	2.95E-07	2.09E-07	5.03E-07
1750 ALL	577686.8	4137443.76	2.09E-06	1.36E-06	3.46E-06	2.78E-07	1.97E-07	4.75E-07
1751 ALL	577688.47	4137434.72	1.98E-06	1.28E-06	3.26E-06	2.62E-07	1.86E-07	4.48E-07
1752 ALL	577690.15	4137425.69	1.86E-06	1.21E-06	3.08E-06	2.47E-07	1.75E-07	4.23E-07
1753 ALL	577691.82	4137416.65	1.76E-06	1.15E-06	2.91E-06	2.34E-07	1.66E-07	4.00E-07
1754 ALL	577693.49	4137407.62	1.67E-06	1.08E-06	2.76E-06	2.22E-07	1.57E-07	3.79E-07
1755 ALL	577695.17	4137398.58	1.59E-06	1.03E-06	2.62E-06	2.11E-07	1.50E-07	3.61E-07
1756 ALL	577696.84	4137389.55	1.52E-06	9.88E-07	2.51E-06	2.02E-07	1.43E-07	3.45E-07
1757 ALL	577698.51	4137380.52	1.46E-06	9.48E-07	2.41E-06	1.94E-07	1.37E-07	3.31E-07
1758 ALL	577700.19	4137371.48	1.41E-06	9.14E-07	2.32E-06	1.87E-07	1.32E-07	3.19E-07
1759 ALL	577701.86	4137362.45	1.36E-06	8.85E-07	2.25E-06	1.81E-07	1.28E-07	3.09E-07
1760 ALL	577703.53	4137353.41	1.32E-06	8.61E-07	2.19E-06	1.76E-07	1.25E-07	3.00E-07
1761 ALL	577705.21	4137344.38	1.30E-06	8.42E-07	2.14E-06	1.72E-07	1.22E-07	2.94E-07
1762 ALL	577706.88	4137335.35	1.28E-06	8.30E-07	2.11E-06	1.69E-07	1.20E-07	2.90E-07
1763 ALL	577708.55	4137326.31	1.26E-06	8.20E-07	2.08E-06	1.68E-07	1.19E-07	2.86E-07

1764 ALL	577710.23	4137317.28	1.25E-06	8.14E-07	2.07E-06	1.66E-07	1.18E-07	2.84E-07
1765 ALL	577711.9	4137308.24	1.25E-06	8.11E-07	2.06E-06	1.66E-07	1.17E-07	2.83E-07
1766 ALL	577713.57	4137299.21	1.25E-06	8.11E-07	2.06E-06	1.66E-07	1.17E-07	2.83E-07
1767 ALL	577715.25	4137290.18	1.25E-06	8.15E-07	2.07E-06	1.66E-07	1.18E-07	2.84E-07
1768 ALL	577716.92	4137281.14	1.27E-06	8.23E-07	2.09E-06	1.68E-07	1.19E-07	2.87E-07
1769 ALL	577718.6	4137272.11	1.28E-06	8.34E-07	2.12E-06	1.70E-07	1.21E-07	2.91E-07
1770 ALL	577803.08	4137643.89	7.31E-06	4.74E-06	1.21E-05	9.69E-07	6.87E-07	1.66E-06
1771 ALL	577810.98	4137648.87	7.18E-06	4.66E-06	1.18E-05	9.53E-07	6.75E-07	1.63E-06
1772 ALL	577818.88	4137653.84	7.01E-06	4.55E-06	1.16E-05	9.30E-07	6.58E-07	1.59E-06
1773 ALL	577826.78	4137658.82	6.80E-06	4.41E-06	1.12E-05	9.02E-07	6.39E-07	1.54E-06
1774 ALL	577834.68	4137663.8	6.56E-06	4.26E-06	1.08E-05	8.70E-07	6.16E-07	1.49E-06
1775 ALL	577842.58	4137668.77	6.29E-06	4.09E-06	1.04E-05	8.35E-07	5.92E-07	1.43E-06
1776 ALL	577787.64	4137652.75	6.84E-06	4.44E-06	1.13E-05	9.07E-07	6.43E-07	1.55E-06
1777 ALL	577782.44	4137645.35	6.99E-06	4.54E-06	1.15E-05	9.27E-07	6.57E-07	1.58E-06
1778 ALL	577772.06	4137630.53	7.17E-06	4.66E-06	1.18E-05	9.51E-07	6.74E-07	1.62E-06
1779 ALL	577766.86	4137623.12	7.19E-06	4.67E-06	1.19E-05	9.54E-07	6.76E-07	1.63E-06
1780 ALL	577756.48	4137608.3	7.10E-06	4.61E-06	1.17E-05	9.42E-07	6.68E-07	1.61E-06
1781 ALL	577746.09	4137593.48	6.83E-06	4.43E-06	1.13E-05	9.06E-07	6.42E-07	1.55E-06
1782 ALL	577740.89	4137586.08	6.63E-06	4.30E-06	1.09E-05	8.79E-07	6.23E-07	1.50E-06
1783 ALL	577730.51	4137571.26	6.11E-06	3.97E-06	1.01E-05	8.11E-07	5.74E-07	1.38E-06
1784 ALL	577725.31	4137563.85	5.80E-06	3.77E-06	9.57E-06	7.70E-07	5.45E-07	1.32E-06
1785 ALL	577699.34	4137526.8	4.11E-06	2.67E-06	6.77E-06	5.45E-07	3.86E-07	9.31E-07
1786 ALL	577688.96	4137511.99	3.47E-06	2.26E-06	5.73E-06	4.61E-07	3.26E-07	7.87E-07
1787 ALL	577683.76	4137504.58	3.18E-06	2.07E-06	5.25E-06	4.22E-07	2.99E-07	7.22E-07
1788 ALL	577673.38	4137489.76	2.66E-06	1.73E-06	4.39E-06	3.53E-07	2.50E-07	6.03E-07
1789 ALL	577668.18	4137482.35	2.43E-06	1.58E-06	4.00E-06	3.22E-07	2.28E-07	5.50E-07
1790 ALL	577664.64	4137466.05	2.10E-06	1.36E-06	3.47E-06	2.79E-07	1.97E-07	4.76E-07
1791 ALL	577667.93	4137448.25	1.89E-06	1.22E-06	3.11E-06	2.50E-07	1.77E-07	4.27E-07
1792 ALL	577669.58	4137439.36	1.78E-06	1.16E-06	2.94E-06	2.37E-07	1.68E-07	4.05E-07
1793 ALL	577672.88	4137421.56	1.61E-06	1.04E-06	2.65E-06	2.13E-07	1.51E-07	3.64E-07
1794 ALL	577676.17	4137403.77	1.46E-06	9.46E-07	2.40E-06	1.93E-07	1.37E-07	3.30E-07
1795 ALL	577677.82	4137394.87	1.40E-06	9.06E-07	2.30E-06	1.85E-07	1.31E-07	3.16E-07
1796 ALL	577681.12	4137377.08	1.30E-06	8.41E-07	2.14E-06	1.72E-07	1.22E-07	2.94E-07
1797 ALL	577684.41	4137359.29	1.23E-06	7.97E-07	2.02E-06	1.63E-07	1.15E-07	2.78E-07
1798 ALL	577687.71	4137341.49	1.18E-06	7.65E-07	1.94E-06	1.56E-07	1.11E-07	2.67E-07
1799 ALL	577689.36	4137332.6	1.16E-06	7.54E-07	1.92E-06	1.54E-07	1.09E-07	2.63E-07
1800 ALL	577692.65	4137314.8	1.14E-06	7.39E-07	1.88E-06	1.51E-07	1.07E-07	2.58E-07
1801 ALL	577695.95	4137297.01	1.13E-06	7.31E-07	1.86E-06	1.49E-07	1.06E-07	2.55E-07
1802 ALL	577697.6	4137288.12	1.13E-06	7.31E-07	1.86E-06	1.49E-07	1.06E-07	2.55E-07
1803 ALL	577700.89	4137270.32	1.14E-06	7.42E-07	1.88E-06	1.52E-07	1.07E-07	2.59E-07
1804 ALL	577792.83	4137660.16	6.65E-06	4.32E-06	1.10E-05	8.83E-07	6.25E-07	1.51E-06
1805 ALL	577800.73	4137665.14	6.54E-06	4.24E-06	1.08E-05	8.67E-07	6.14E-07	1.48E-06
1806 ALL	577808.63	4137670.12	6.38E-06	4.14E-06	1.05E-05	8.46E-07	6.00E-07	1.45E-06
1807 ALL	577816.53	4137675.09	6.19E-06	4.02E-06	1.02E-05	8.21E-07	5.82E-07	1.40E-06
1808 ALL	577824.43	4137680.07	5.98E-06	3.88E-06	9.86E-06	7.93E-07	5.62E-07	1.35E-06
1809 ALL	577832.33	4137685.04	5.75E-06	3.74E-06	9.49E-06	7.63E-07	5.41E-07	1.30E-06
1810 ALL	577777.26	4137668.84	6.26E-06	4.07E-06	1.03E-05	8.31E-07	5.89E-07	1.42E-06
1811 ALL	577771.94	4137661.25	6.40E-06	4.16E-06	1.06E-05	8.50E-07	6.02E-07	1.45E-06
1812 ALL	577766.61	4137653.66	6.51E-06	4.23E-06	1.07E-05	8.64E-07	6.12E-07	1.48E-06
1813 ALL	577761.29	4137646.07	6.58E-06	4.28E-06	1.09E-05	8.73E-07	6.19E-07	1.49E-06
1814 ALL	577755.97	4137638.47	6.61E-06	4.29E-06	1.09E-05	8.77E-07	6.21E-07	1.50E-06
1815 ALL	577750.65	4137630.88	6.60E-06	4.29E-06	1.09E-05	8.76E-07	6.20E-07	1.50E-06
1816 ALL	577745.32	4137623.29	6.55E-06	4.25E-06	1.08E-05	8.69E-07	6.16E-07	1.48E-06
1817 ALL	577740	4137615.7	6.46E-06	4.20E-06	1.07E-05	8.57E-07	6.07E-07	1.46E-06
1818 ALL	577734.68	4137608.1	6.33E-06	4.11E-06	1.04E-05	8.41E-07	5.95E-07	1.44E-06
1819 ALL	577729.36	4137600.51	6.17E-06	4.01E-06	1.02E-05	8.19E-07	5.80E-07	1.40E-06
1820 ALL	577724.03	4137592.92	5.97E-06	3.87E-06	9.84E-06	7.92E-07	5.61E-07	1.35E-06
1821 ALL	577718.71	4137585.32	5.73E-06	3.72E-06	9.45E-06	7.60E-07	5.38E-07	1.30E-06
1822 ALL	577713.39	4137577.73	5.46E-06	3.55E-06	9.01E-06	7.25E-07	5.13E-07	1.24E-06
1823 ALL	577708.07	4137570.14	5.18E-06	3.36E-06	8.54E-06	6.87E-07	4.86E-07	1.17E-06
1824 ALL	577702.74	4137562.55	4.87E-06	3.16E-06	8.03E-06	6.46E-07	4.58E-07	1.10E-06
1825 ALL	577697.42	4137554.95	4.56E-06	2.96E-06	7.52E-06	6.05E-07	4.28E-07	1.03E-06
1826 ALL	577676.13	4137524.58	3.34E-06	2.17E-06	5.51E-06	4.43E-07	3.14E-07	7.57E-07

1827 ALL	577670.81	4137516.99	3.07E-06	2.00E-06	5.07E-06	4.08E-07	2.89E-07	6.97E-07
1828 ALL	577665.49	4137509.4	2.83E-06	1.84E-06	4.66E-06	3.75E-07	2.66E-07	6.41E-07
1829 ALL	577660.16	4137501.81	2.59E-06	1.68E-06	4.27E-06	3.44E-07	2.44E-07	5.87E-07
1830 ALL	577654.84	4137494.21	2.37E-06	1.54E-06	3.91E-06	3.14E-07	2.23E-07	5.37E-07
1831 ALL	577649.52	4137486.62	2.16E-06	1.41E-06	3.57E-06	2.87E-07	2.03E-07	4.91E-07
1832 ALL	577645.89	4137469.91	1.88E-06	1.22E-06	3.10E-06	2.49E-07	1.77E-07	4.26E-07
1833 ALL	577647.57	4137460.8	1.78E-06	1.16E-06	2.94E-06	2.37E-07	1.68E-07	4.04E-07
1834 ALL	577649.26	4137451.68	1.69E-06	1.10E-06	2.79E-06	2.24E-07	1.59E-07	3.83E-07
1835 ALL	577650.95	4137442.56	1.60E-06	1.04E-06	2.64E-06	2.13E-07	1.51E-07	3.63E-07
1836 ALL	577652.64	4137433.44	1.52E-06	9.89E-07	2.51E-06	2.02E-07	1.43E-07	3.45E-07
1837 ALL	577654.33	4137424.33	1.45E-06	9.41E-07	2.39E-06	1.92E-07	1.36E-07	3.28E-07
1838 ALL	577656.02	4137415.21	1.38E-06	8.97E-07	2.28E-06	1.83E-07	1.30E-07	3.13E-07
1839 ALL	577657.71	4137406.09	1.32E-06	8.58E-07	2.18E-06	1.75E-07	1.24E-07	2.99E-07
1840 ALL	577659.4	4137396.98	1.27E-06	8.25E-07	2.10E-06	1.69E-07	1.19E-07	2.88E-07
1841 ALL	577661.08	4137387.86	1.23E-06	7.96E-07	2.02E-06	1.63E-07	1.15E-07	2.78E-07
1842 ALL	577662.77	4137378.74	1.19E-06	7.70E-07	1.96E-06	1.57E-07	1.11E-07	2.69E-07
1843 ALL	577664.46	4137369.62	1.15E-06	7.49E-07	1.90E-06	1.53E-07	1.08E-07	2.61E-07
1844 ALL	577666.15	4137360.51	1.13E-06	7.31E-07	1.86E-06	1.49E-07	1.06E-07	2.55E-07
1845 ALL	577667.84	4137351.39	1.10E-06	7.15E-07	1.82E-06	1.46E-07	1.04E-07	2.50E-07
1846 ALL	577669.53	4137342.27	1.08E-06	7.02E-07	1.78E-06	1.43E-07	1.02E-07	2.45E-07
1847 ALL	577671.22	4137333.15	1.06E-06	6.91E-07	1.75E-06	1.41E-07	9.99E-08	2.41E-07
1848 ALL	577672.91	4137324.04	1.05E-06	6.80E-07	1.73E-06	1.39E-07	9.84E-08	2.37E-07
1849 ALL	577674.6	4137314.92	1.03E-06	6.71E-07	1.70E-06	1.37E-07	9.71E-08	2.34E-07
1850 ALL	577676.28	4137305.8	1.02E-06	6.65E-07	1.69E-06	1.36E-07	9.63E-08	2.32E-07
1851 ALL	577677.97	4137296.69	1.02E-06	6.62E-07	1.68E-06	1.35E-07	9.57E-08	2.31E-07
1852 ALL	577679.66	4137287.57	1.02E-06	6.60E-07	1.68E-06	1.35E-07	9.56E-08	2.30E-07
1853 ALL	577681.35	4137278.45	1.02E-06	6.62E-07	1.68E-06	1.35E-07	9.58E-08	2.31E-07
1854 ALL	577683.04	4137269.33	1.03E-06	6.66E-07	1.69E-06	1.36E-07	9.64E-08	2.32E-07
1855 ALL	577684.73	4137260.22	1.04E-06	6.73E-07	1.71E-06	1.37E-07	9.74E-08	2.35E-07
1856 ALL	577686.42	4137251.1	1.05E-06	6.83E-07	1.73E-06	1.40E-07	9.88E-08	2.38E-07
1857 ALL	577782.58	4137676.44	6.09E-06	3.96E-06	1.00E-05	8.08E-07	5.73E-07	1.38E-06
1858 ALL	577790.48	4137681.41	5.98E-06	3.89E-06	9.87E-06	7.94E-07	5.62E-07	1.36E-06
1859 ALL	577798.38	4137686.39	5.84E-06	3.79E-06	9.64E-06	7.75E-07	5.49E-07	1.32E-06
1860 ALL	577806.28	4137691.36	5.68E-06	3.69E-06	9.37E-06	7.53E-07	5.34E-07	1.29E-06
1861 ALL	577814.18	4137696.34	5.49E-06	3.57E-06	9.06E-06	7.28E-07	5.16E-07	1.24E-06
1862 ALL	577822.08	4137701.32	5.29E-06	3.43E-06	8.72E-06	7.01E-07	4.97E-07	1.20E-06
1863 ALL	577767.09	4137685.22	5.76E-06	3.74E-06	9.50E-06	7.64E-07	5.41E-07	1.31E-06
1864 ALL	577761.84	4137677.74	5.89E-06	3.82E-06	9.71E-06	7.81E-07	5.53E-07	1.33E-06
1865 ALL	577756.59	4137670.25	5.98E-06	3.89E-06	9.87E-06	7.94E-07	5.62E-07	1.36E-06
1866 ALL	577751.34	4137662.77	6.05E-06	3.93E-06	9.98E-06	8.03E-07	5.69E-07	1.37E-06
1867 ALL	577746.1	4137655.28	6.09E-06	3.95E-06	1.00E-05	8.08E-07	5.72E-07	1.38E-06
1868 ALL	577740.85	4137647.79	6.09E-06	3.96E-06	1.00E-05	8.08E-07	5.72E-07	1.38E-06
1869 ALL	577735.6	4137640.31	6.07E-06	3.94E-06	1.00E-05	8.05E-07	5.70E-07	1.38E-06
1870 ALL	577730.35	4137632.82	6.02E-06	3.91E-06	9.92E-06	7.98E-07	5.65E-07	1.36E-06
1871 ALL	577725.11	4137625.34	5.93E-06	3.85E-06	9.79E-06	7.87E-07	5.58E-07	1.35E-06
1872 ALL	577719.86	4137617.85	5.82E-06	3.78E-06	9.59E-06	7.72E-07	5.47E-07	1.32E-06
1873 ALL	577714.61	4137610.37	5.66E-06	3.68E-06	9.34E-06	7.51E-07	5.32E-07	1.28E-06
1874 ALL	577704.12	4137595.4	5.27E-06	3.42E-06	8.69E-06	6.99E-07	4.95E-07	1.19E-06
1875 ALL	577698.87	4137587.91	5.04E-06	3.27E-06	8.31E-06	6.68E-07	4.73E-07	1.14E-06
1876 ALL	577693.62	4137580.43	4.78E-06	3.11E-06	7.89E-06	6.35E-07	4.49E-07	1.08E-06
1877 ALL	577688.37	4137572.94	4.52E-06	2.93E-06	7.45E-06	5.99E-07	4.24E-07	1.02E-06
1878 ALL	577683.13	4137565.46	4.24E-06	2.75E-06	6.99E-06	5.63E-07	3.99E-07	9.61E-07
1879 ALL	577677.88	4137557.97	3.96E-06	2.57E-06	6.53E-06	5.26E-07	3.72E-07	8.98E-07
1880 ALL	577672.63	4137550.48	3.69E-06	2.39E-06	6.08E-06	4.89E-07	3.47E-07	8.36E-07
1881 ALL	577656.89	4137528.03	2.93E-06	1.90E-06	4.83E-06	3.89E-07	2.75E-07	6.64E-07
1882 ALL	577651.64	4137520.54	2.71E-06	1.76E-06	4.46E-06	3.59E-07	2.54E-07	6.13E-07
1883 ALL	577646.39	4137513.06	2.50E-06	1.62E-06	4.12E-06	3.31E-07	2.34E-07	5.66E-07
1884 ALL	577641.15	4137505.57	2.30E-06	1.49E-06	3.79E-06	3.05E-07	2.16E-07	5.21E-07
1885 ALL	577635.9	4137498.09	2.11E-06	1.37E-06	3.49E-06	2.80E-07	1.99E-07	4.79E-07
1886 ALL	577630.65	4137490.6	1.94E-06	1.26E-06	3.20E-06	2.57E-07	1.82E-07	4.40E-07
1887 ALL	577627.07	4137474.13	1.70E-06	1.10E-06	2.80E-06	2.25E-07	1.59E-07	3.85E-07
1888 ALL	577628.73	4137465.14	1.62E-06	1.05E-06	2.66E-06	2.14E-07	1.52E-07	3.66E-07
1889 ALL	577630.4	4137456.15	1.54E-06	9.98E-07	2.53E-06	2.04E-07	1.44E-07	3.48E-07

1890 ALL	577632.06	4137447.16	1.46E-06	9.50E-07	2.41E-06	1.94E-07	1.37E-07	3.31E-07
1891 ALL	577633.73	4137438.17	1.39E-06	9.04E-07	2.30E-06	1.85E-07	1.31E-07	3.16E-07
1892 ALL	577635.39	4137429.18	1.33E-06	8.64E-07	2.19E-06	1.76E-07	1.25E-07	3.01E-07
1893 ALL	577637.06	4137420.2	1.27E-06	8.26E-07	2.10E-06	1.69E-07	1.20E-07	2.88E-07
1894 ALL	577638.72	4137411.21	1.22E-06	7.92E-07	2.01E-06	1.62E-07	1.15E-07	2.76E-07
1895 ALL	577640.39	4137402.22	1.18E-06	7.63E-07	1.94E-06	1.56E-07	1.10E-07	2.66E-07
1896 ALL	577642.05	4137393.23	1.14E-06	7.39E-07	1.88E-06	1.51E-07	1.07E-07	2.58E-07
1897 ALL	577643.72	4137384.24	1.10E-06	7.17E-07	1.82E-06	1.46E-07	1.04E-07	2.50E-07
1898 ALL	577645.38	4137375.25	1.07E-06	6.97E-07	1.77E-06	1.42E-07	1.01E-07	2.43E-07
1899 ALL	577647.05	4137366.26	1.05E-06	6.80E-07	1.73E-06	1.39E-07	9.84E-08	2.37E-07
1900 ALL	577648.71	4137357.28	1.02E-06	6.65E-07	1.69E-06	1.36E-07	9.62E-08	2.32E-07
1901 ALL	577650.38	4137348.29	1.00E-06	6.50E-07	1.65E-06	1.33E-07	9.41E-08	2.27E-07
1902 ALL	577652.04	4137339.3	9.82E-07	6.38E-07	1.62E-06	1.30E-07	9.23E-08	2.23E-07
1903 ALL	577653.71	4137330.31	9.66E-07	6.27E-07	1.59E-06	1.28E-07	9.08E-08	2.19E-07
1904 ALL	577655.38	4137321.32	9.52E-07	6.18E-07	1.57E-06	1.26E-07	8.95E-08	2.16E-07
1905 ALL	577657.04	4137312.33	9.41E-07	6.11E-07	1.55E-06	1.25E-07	8.84E-08	2.13E-07
1906 ALL	577658.71	4137303.34	9.32E-07	6.05E-07	1.54E-06	1.24E-07	8.76E-08	2.11E-07
1907 ALL	577660.37	4137294.36	9.26E-07	6.01E-07	1.53E-06	1.23E-07	8.70E-08	2.10E-07
1908 ALL	577662.04	4137285.37	9.22E-07	5.99E-07	1.52E-06	1.22E-07	8.67E-08	2.09E-07
1909 ALL	577665.37	4137267.39	9.25E-07	6.01E-07	1.53E-06	1.23E-07	8.70E-08	2.10E-07
1910 ALL	577667.03	4137258.4	9.32E-07	6.05E-07	1.54E-06	1.24E-07	8.76E-08	2.11E-07
1911 ALL	577668.7	4137249.41	9.41E-07	6.11E-07	1.55E-06	1.25E-07	8.85E-08	2.13E-07
1912 ALL	577670.36	4137240.43	9.14E-07	5.94E-07	1.51E-06	1.21E-07	8.59E-08	2.07E-07
1913 ALL	577772.33	4137692.71	5.60E-06	3.64E-06	9.24E-06	7.44E-07	5.27E-07	1.27E-06
1914 ALL	577780.23	4137697.68	5.50E-06	3.57E-06	9.08E-06	7.30E-07	5.17E-07	1.25E-06
1915 ALL	577788.13	4137702.66	5.38E-06	3.49E-06	8.87E-06	7.14E-07	5.05E-07	1.22E-06
1916 ALL	577796.03	4137707.64	5.23E-06	3.40E-06	8.63E-06	6.94E-07	4.92E-07	1.19E-06
1917 ALL	577803.93	4137712.61	5.07E-06	3.29E-06	8.36E-06	6.72E-07	4.76E-07	1.15E-06
1918 ALL	577811.83	4137717.59	4.89E-06	3.17E-06	8.06E-06	6.48E-07	4.59E-07	1.11E-06
1919 ALL	577756.9	4137701.59	5.31E-06	3.45E-06	8.76E-06	7.05E-07	4.99E-07	1.20E-06
1920 ALL	577746.54	4137686.8	5.52E-06	3.58E-06	9.10E-06	7.32E-07	5.19E-07	1.25E-06
1921 ALL	577736.17	4137672.02	5.63E-06	3.66E-06	9.28E-06	7.47E-07	5.29E-07	1.28E-06
1922 ALL	577730.99	4137664.62	5.65E-06	3.67E-06	9.31E-06	7.49E-07	5.31E-07	1.28E-06
1923 ALL	577720.62	4137649.84	5.62E-06	3.65E-06	9.27E-06	7.46E-07	5.28E-07	1.27E-06
1924 ALL	577710.26	4137635.05	5.48E-06	3.56E-06	9.04E-06	7.28E-07	5.15E-07	1.24E-06
1925 ALL	577699.9	4137620.27	5.22E-06	3.39E-06	8.62E-06	6.93E-07	4.91E-07	1.18E-06
1926 ALL	577689.53	4137605.48	4.86E-06	3.16E-06	8.02E-06	6.45E-07	4.57E-07	1.10E-06
1927 ALL	577684.35	4137598.09	4.66E-06	3.02E-06	7.68E-06	6.18E-07	4.38E-07	1.06E-06
1928 ALL	577673.98	4137583.31	4.20E-06	2.73E-06	6.93E-06	5.58E-07	3.95E-07	9.53E-07
1929 ALL	577663.62	4137568.52	3.72E-06	2.42E-06	6.14E-06	4.94E-07	3.50E-07	8.43E-07
1930 ALL	577653.25	4137553.74	3.25E-06	2.11E-06	5.36E-06	4.31E-07	3.05E-07	7.36E-07
1931 ALL	577627.34	4137516.77	2.23E-06	1.45E-06	3.67E-06	2.95E-07	2.09E-07	5.05E-07
1932 ALL	577616.98	4137501.99	1.90E-06	1.23E-06	3.13E-06	2.52E-07	1.79E-07	4.31E-07
1933 ALL	577611.8	4137494.6	1.75E-06	1.14E-06	2.89E-06	2.33E-07	1.65E-07	3.97E-07
1934 ALL	577608.26	4137478.33	1.54E-06	1.00E-06	2.54E-06	2.05E-07	1.45E-07	3.50E-07
1935 ALL	577611.55	4137460.57	1.40E-06	9.11E-07	2.31E-06	1.86E-07	1.32E-07	3.18E-07
1936 ALL	577614.83	4137442.82	1.28E-06	8.31E-07	2.11E-06	1.70E-07	1.20E-07	2.90E-07
1937 ALL	577618.12	4137425.06	1.18E-06	7.65E-07	1.94E-06	1.56E-07	1.11E-07	2.67E-07
1938 ALL	577621.41	4137407.31	1.09E-06	7.10E-07	1.80E-06	1.45E-07	1.03E-07	2.48E-07
1939 ALL	577624.7	4137389.55	1.03E-06	6.67E-07	1.69E-06	1.36E-07	9.65E-08	2.33E-07
1940 ALL	577627.99	4137371.8	9.73E-07	6.32E-07	1.61E-06	1.29E-07	9.15E-08	2.21E-07
1941 ALL	577631.28	4137354.05	9.30E-07	6.04E-07	1.53E-06	1.23E-07	8.74E-08	2.11E-07
1942 ALL	577634.57	4137336.29	8.96E-07	5.82E-07	1.48E-06	1.19E-07	8.42E-08	2.03E-07
1943 ALL	577637.86	4137318.54	8.70E-07	5.65E-07	1.44E-06	1.15E-07	8.18E-08	1.97E-07
1944 ALL	577641.14	4137300.78	8.50E-07	5.52E-07	1.40E-06	1.13E-07	7.99E-08	1.93E-07
1945 ALL	577644.43	4137283.03	8.02E-07	5.21E-07	1.32E-06	1.06E-07	7.54E-08	1.82E-07
1946 ALL	577647.72	4137265.28	7.90E-07	5.13E-07	1.30E-06	1.05E-07	7.42E-08	1.79E-07
1947 ALL	577651.01	4137247.52	7.77E-07	5.05E-07	1.28E-06	1.03E-07	7.30E-08	1.76E-07
1948 ALL	577762.08	4137708.98	5.18E-06	3.36E-06	8.54E-06	6.87E-07	4.86E-07	1.17E-06
1949 ALL	577769.98	4137713.95	5.08E-06	3.30E-06	8.38E-06	6.74E-07	4.78E-07	1.15E-06
1950 ALL	577777.88	4137718.93	4.97E-06	3.23E-06	8.20E-06	6.59E-07	4.67E-07	1.13E-06
1951 ALL	577785.78	4137723.91	4.84E-06	3.14E-06	7.98E-06	6.42E-07	4.55E-07	1.10E-06
1952 ALL	577793.68	4137728.88	4.69E-06	3.05E-06	7.74E-06	6.22E-07	4.41E-07	1.06E-06



1953 ALL	577801.58	4137733.86	4.53E-06	2.94E-06	7.47E-06	6.01E-07	4.26E-07	1.03E-06
1954 ALL	578007.4	4137449.11	3.23E-05	2.10E-05	5.33E-05	4.28E-06	3.03E-06	7.32E-06
1955 ALL	578014.86	4137453.43	2.58E-05	1.68E-05	4.25E-05	3.42E-06	2.42E-06	5.85E-06
1956 ALL	578023.89	4137456.18	2.15E-05	1.40E-05	3.55E-05	2.85E-06	2.02E-06	4.87E-06
1957 ALL	578089.86	4137414.17	2.61E-05	1.70E-05	4.31E-05	3.47E-06	2.46E-06	5.92E-06
1958 ALL	578096.54	4137405.92	2.76E-05	1.79E-05	4.55E-05	3.66E-06	2.59E-06	6.25E-06
1959 ALL	578074.15	4137443.22	1.81E-05	1.18E-05	2.99E-05	2.41E-06	1.70E-06	4.11E-06
1960 ALL	578117.48	4137204.4	3.02E-05	1.96E-05	4.98E-05	4.01E-06	2.84E-06	6.85E-06
1961 ALL	578124.08	4137207.19	2.92E-05	1.89E-05	4.81E-05	3.87E-06	2.74E-06	6.61E-06
1962 ALL	578145.66	4137220.14	2.56E-05	1.66E-05	4.23E-05	3.40E-06	2.41E-06	5.81E-06
1963 ALL	578109.86	4137189.67	2.89E-05	1.88E-05	4.76E-05	3.83E-06	2.71E-06	6.55E-06

REC ID	X	y	Max Cancer Risk 1.82E-01			Updated Max Cancer Risk 2.41E-02		
			MAX HI yr 1	MAX HI Yr 2	Max HI	MAX HI yr 1	MAX HI Yr 2	Max HI
1 ALL	578053.02	4137356.55	1.63E-01	1.14E-01	0.16277	0.022	0.017	0.022
2 ALL	578010.01	4137440.77	5.30E-02	3.72E-02	0.052958	0.007	0.005	0.007
3 ALL	578015.15	4137432.89	6.36E-02	4.47E-02	0.063573	0.008	0.006	0.008
4 ALL	578020.29	4137425.02	7.45E-02	5.24E-02	0.074497	0.010	0.008	0.010
5 ALL	578025.42	4137417.14	8.44E-02	5.93E-02	0.084377	0.011	0.009	0.011
6 ALL	578030.56	4137409.27	9.28E-02	6.53E-02	0.092844	0.012	0.009	0.012
7 ALL	578035.7	4137401.39	9.99E-02	7.03E-02	0.099903	0.013	0.010	0.013
8 ALL	578040.84	4137393.52	1.06E-01	7.43E-02	0.10569	0.014	0.011	0.014
9 ALL	578045.98	4137385.64	1.10E-01	7.76E-02	0.11033	0.015	0.011	0.015
10 ALL	578051.12	4137377.77	1.14E-01	8.02E-02	0.11398	0.015	0.012	0.015
11 ALL	578056.26	4137369.89	1.17E-01	8.20E-02	0.11668	0.015	0.012	0.015
12 ALL	578061.39	4137362.02	1.19E-01	8.34E-02	0.11859	0.016	0.012	0.016
13 ALL	577987.06	4137465.71	4.21E-02	2.96E-02	0.042083	0.006	0.004	0.006
14 ALL	578018.38	4137446.23	3.94E-02	2.77E-02	0.039445	0.005	0.004	0.005
15 ALL	578023.52	4137438.36	4.63E-02	3.26E-02	0.046293	0.006	0.005	0.006
16 ALL	578028.66	4137430.48	5.39E-02	3.79E-02	0.053858	0.007	0.005	0.007
17 ALL	578033.8	4137422.61	6.12E-02	4.30E-02	0.061181	0.008	0.006	0.008
18 ALL	578038.94	4137414.73	6.78E-02	4.77E-02	0.067767	0.009	0.007	0.009
19 ALL	578044.08	4137406.86	7.34E-02	5.16E-02	0.073435	0.010	0.007	0.010
20 ALL	578049.21	4137398.98	7.84E-02	5.51E-02	0.078361	0.010	0.008	0.010
21 ALL	578054.35	4137391.11	8.25E-02	5.80E-02	0.082485	0.011	0.008	0.011
22 ALL	578059.49	4137383.23	8.60E-02	6.05E-02	0.085971	0.011	0.009	0.011
23 ALL	578064.63	4137375.36	8.89E-02	6.25E-02	0.088871	0.012	0.009	0.012
24 ALL	578069.77	4137367.48	9.12E-02	6.41E-02	0.091198	0.012	0.009	0.012
25 ALL	578002.9	4137472.48	2.75E-02	1.94E-02	0.027527	0.004	0.003	0.004
26 ALL	577989.2	4137475.48	3.30E-02	2.32E-02	0.032984	0.004	0.003	0.004
27 ALL	577974.27	4137472.86	4.46E-02	3.14E-02	0.044615	0.006	0.005	0.006
28 ALL	578026.76	4137451.7	3.07E-02	2.16E-02	0.030655	0.004	0.003	0.004
29 ALL	578031.9	4137443.82	3.54E-02	2.49E-02	0.035418	0.005	0.004	0.005
30 ALL	578037.03	4137435.95	4.09E-02	2.88E-02	0.040938	0.005	0.004	0.005
31 ALL	578042.17	4137428.07	4.66E-02	3.27E-02	0.046564	0.006	0.005	0.006
32 ALL	578047.31	4137420.2	5.18E-02	3.64E-02	0.051827	0.007	0.005	0.007
33 ALL	578052.45	4137412.32	5.65E-02	3.98E-02	0.056542	0.008	0.006	0.008
34 ALL	578057.59	4137404.45	6.07E-02	4.27E-02	0.060701	0.008	0.006	0.008
35 ALL	578062.73	4137396.57	6.44E-02	4.53E-02	0.064362	0.009	0.007	0.009
36 ALL	578067.87	4137388.7	6.77E-02	4.76E-02	0.0677	0.009	0.007	0.009
37 ALL	578073.01	4137380.82	7.05E-02	4.96E-02	0.070515	0.009	0.007	0.009
38 ALL	578078.14	4137372.95	7.27E-02	5.11E-02	0.072681	0.010	0.007	0.010
39 ALL	578011.28	4137477.95	2.20E-02	1.54E-02	0.021952	0.003	0.002	0.003
40 ALL	577991.33	4137485.25	2.66E-02	1.87E-02	0.026592	0.004	0.003	0.004
41 ALL	577976.4	4137482.63	3.53E-02	2.48E-02	0.035258	0.005	0.004	0.005
42 ALL	578015.91	4137485.99	1.81E-02	1.28E-02	0.018139	0.002	0.002	0.002
43 ALL	578008.42	4137491.16	1.86E-02	1.31E-02	0.018625	0.002	0.002	0.002
44 ALL	577991.98	4137494.76	2.25E-02	1.58E-02	0.022507	0.003	0.002	0.003
45 ALL	577983.02	4137493.19	2.64E-02	1.86E-02	0.026393	0.004	0.003	0.004
46 ALL	577974.06	4137491.62	3.07E-02	2.16E-02	0.030746	0.004	0.003	0.004
47 ALL	577965.1	4137490.05	3.52E-02	2.48E-02	0.035243	0.005	0.004	0.005
48 ALL	577994.36	4137504.57	1.88E-02	1.32E-02	0.018829	0.002	0.002	0.002
49 ALL	577976.94	4137501.52	2.50E-02	1.76E-02	0.025029	0.003	0.003	0.003
50 ALL	577959.52	4137498.47	3.20E-02	2.25E-02	0.031992	0.004	0.003	0.004
51 ALL	578047.99	4137486.35	1.30E-02	9.12E-03	0.012963	0.002	0.001	0.002
52 ALL	577996.68	4137514.37	1.60E-02	1.13E-02	0.016026	0.002	0.002	0.002
53 ALL	577979.61	4137511.38	2.08E-02	1.47E-02	0.020836	0.003	0.002	0.003
54 ALL	577962.55	4137508.39	2.64E-02	1.86E-02	0.02642	0.004	0.003	0.004
55 ALL	578060.26	4137473.55	1.47E-02	1.04E-02	0.01472	0.002	0.001	0.002
56 ALL	578065.39	4137465.68	1.65E-02	1.16E-02	0.016477	0.002	0.002	0.002
57 ALL	578070.53	4137457.81	1.86E-02	1.30E-02	0.018552	0.002	0.002	0.002
58 ALL	578075.67	4137449.93	2.09E-02	1.47E-02	0.020872	0.003	0.002	0.003
59 ALL	578080.81	4137442.06	2.33E-02	1.64E-02	0.023326	0.003	0.002	0.003
60 ALL	578085.95	4137434.18	2.58E-02	1.81E-02	0.025807	0.003	0.003	0.003
61 ALL	578091.09	4137426.31	2.82E-02	1.98E-02	0.028219	0.004	0.003	0.004
62 ALL	578096.23	4137418.43	3.05E-02	2.15E-02	0.030513	0.004	0.003	0.004
63 ALL	578101.37	4137410.56	3.26E-02	2.29E-02	0.032602	0.004	0.003	0.004

64 ALL	578106.5	4137402.68	3.44E-02	2.42E-02	0.034428	0.005	0.004	0.005
65 ALL	578111.64	4137394.81	3.59E-02	2.53E-02	0.035913	0.005	0.004	0.005
66 ALL	578056.47	4137491.74	1.13E-02	7.95E-03	0.01113	0.001	0.001	0.001
67 ALL	578042.44	4137501.42	1.11E-02	7.79E-03	0.011079	0.001	0.001	0.001
68 ALL	578028.4	4137511.11	1.14E-02	7.98E-03	0.011352	0.002	0.001	0.002
69 ALL	577982.15	4137521.22	1.76E-02	1.24E-02	0.017636	0.002	0.002	0.002
70 ALL	577965.35	4137518.28	2.21E-02	1.56E-02	0.022133	0.003	0.002	0.003
71 ALL	577948.55	4137515.33	2.66E-02	1.87E-02	0.02661	0.004	0.003	0.004
72 ALL	578068.63	4137479.02	1.28E-02	9.01E-03	0.012817	0.002	0.001	0.002
73 ALL	578073.77	4137471.15	1.43E-02	1.00E-02	0.014275	0.002	0.001	0.002
74 ALL	578078.91	4137463.27	1.60E-02	1.12E-02	0.015991	0.002	0.002	0.002
75 ALL	578084.05	4137455.4	1.79E-02	1.26E-02	0.017908	0.002	0.002	0.002
76 ALL	578089.19	4137447.52	2.00E-02	1.40E-02	0.019965	0.003	0.002	0.003
77 ALL	578094.32	4137439.65	2.21E-02	1.55E-02	0.022082	0.003	0.002	0.003
78 ALL	578099.46	4137431.77	2.42E-02	1.70E-02	0.024191	0.003	0.002	0.003
79 ALL	578104.6	4137423.9	2.62E-02	1.84E-02	0.026204	0.003	0.003	0.003
80 ALL	578109.74	4137416.02	2.81E-02	1.97E-02	0.028069	0.004	0.003	0.004
81 ALL	578114.88	4137408.15	2.97E-02	2.09E-02	0.029724	0.004	0.003	0.004
82 ALL	578120.02	4137400.27	3.11E-02	2.19E-02	0.031095	0.004	0.003	0.004
83 ALL	578064.93	4137497.14	9.97E-03	7.01E-03	0.009973	0.001	0.001	0.001
84 ALL	578051.07	4137506.71	9.70E-03	6.82E-03	0.009701	0.001	0.001	0.001
85 ALL	578037.21	4137516.27	9.83E-03	6.92E-03	0.009834	0.001	0.001	0.001
86 ALL	578023.34	4137525.84	1.03E-02	7.21E-03	0.010252	0.001	0.001	0.001
87 ALL	577968	4137528.14	1.88E-02	1.32E-02	0.018795	0.002	0.002	0.002
88 ALL	577951.41	4137525.23	2.26E-02	1.59E-02	0.022611	0.003	0.002	0.003
89 ALL	578077.01	4137484.48	1.13E-02	7.95E-03	0.011306	0.002	0.001	0.002
90 ALL	578082.14	4137476.61	1.25E-02	8.81E-03	0.012533	0.002	0.001	0.002
91 ALL	578087.28	4137468.74	1.40E-02	9.82E-03	0.013959	0.002	0.001	0.002
92 ALL	578092.42	4137460.86	1.56E-02	1.09E-02	0.01557	0.002	0.002	0.002
93 ALL	578097.56	4137452.99	1.73E-02	1.22E-02	0.017317	0.002	0.002	0.002
94 ALL	578102.7	4137445.11	1.91E-02	1.35E-02	0.019136	0.003	0.002	0.003
95 ALL	578107.84	4137437.24	2.10E-02	1.47E-02	0.020957	0.003	0.002	0.003
96 ALL	578112.98	4137429.36	2.27E-02	1.60E-02	0.022724	0.003	0.002	0.003
97 ALL	578118.11	4137421.49	2.44E-02	1.71E-02	0.024381	0.003	0.002	0.003
98 ALL	578123.25	4137413.61	2.59E-02	1.82E-02	0.02588	0.003	0.003	0.003
99 ALL	578128.39	4137405.74	2.71E-02	1.91E-02	0.027142	0.004	0.003	0.004
100 ALL	578133.53	4137397.86	2.81E-02	1.98E-02	0.028147	0.004	0.003	0.004
101 ALL	578080.53	4137508	8.07E-03	5.68E-03	0.008072	0.001	0.001	0.001
102 ALL	578073.09	4137513.13	7.87E-03	5.53E-03	0.007867	0.001	0.001	0.001
103 ALL	578058.22	4137523.4	7.72E-03	5.43E-03	0.007717	0.001	0.001	0.001
104 ALL	578043.34	4137533.66	7.87E-03	5.53E-03	0.007869	0.001	0.001	0.001
105 ALL	578087.97	4137502.87	8.36E-03	5.88E-03	0.008362	0.001	0.001	0.001
106 ALL	578093.11	4137494.99	9.13E-03	6.42E-03	0.00913	0.001	0.001	0.001
107 ALL	578098.25	4137487.12	1.00E-02	7.06E-03	0.010041	0.001	0.001	0.001
108 ALL	578103.39	4137479.24	1.11E-02	7.80E-03	0.011097	0.001	0.001	0.001
109 ALL	578108.53	4137471.37	1.23E-02	8.64E-03	0.012281	0.002	0.001	0.002
110 ALL	578113.66	4137463.5	1.36E-02	9.55E-03	0.013574	0.002	0.001	0.002
111 ALL	578118.8	4137455.62	1.49E-02	1.05E-02	0.014938	0.002	0.002	0.002
112 ALL	578123.94	4137447.75	1.63E-02	1.15E-02	0.016324	0.002	0.002	0.002
113 ALL	578129.08	4137439.87	1.77E-02	1.24E-02	0.017688	0.002	0.002	0.002
114 ALL	578134.22	4137432	1.90E-02	1.34E-02	0.01899	0.003	0.002	0.003
115 ALL	578139.36	4137424.12	2.02E-02	1.42E-02	0.020201	0.003	0.002	0.003
116 ALL	578144.5	4137416.25	2.13E-02	1.50E-02	0.021277	0.003	0.002	0.003
117 ALL	578149.64	4137408.37	2.22E-02	1.56E-02	0.022189	0.003	0.002	0.003
118 ALL	578096.88	4137518.34	6.73E-03	4.73E-03	0.00673	0.001	0.001	0.001
119 ALL	578082.48	4137528.28	6.41E-03	4.51E-03	0.006414	0.001	0.001	0.001
120 ALL	578039.29	4137558.08	6.65E-03	4.68E-03	0.006652	0.001	0.001	0.001
121 ALL	578024.89	4137568.01	6.99E-03	4.92E-03	0.006992	0.001	0.001	0.001
122 ALL	578009.08	4137571.47	7.88E-03	5.54E-03	0.007882	0.001	0.001	0.001
123 ALL	577991.85	4137568.45	9.53E-03	6.70E-03	0.009534	0.001	0.001	0.001
124 ALL	577974.63	4137565.43	1.15E-02	8.08E-03	0.011497	0.002	0.001	0.002
125 ALL	577957.4	4137562.41	1.37E-02	9.60E-03	0.013656	0.002	0.001	0.002
126 ALL	577940.17	4137559.39	1.58E-02	1.11E-02	0.015848	0.002	0.002	0.002
127 ALL	577922.94	4137556.38	1.79E-02	1.26E-02	0.017867	0.002	0.002	0.002

128 ALL	578109.22	4137505.5	7.56E-03	5.32E-03	0.007562	0.001	0.001	0.001
129 ALL	578114.35	4137497.63	8.26E-03	5.81E-03	0.008261	0.001	0.001	0.001
130 ALL	578119.49	4137489.75	9.07E-03	6.38E-03	0.009069	0.001	0.001	0.001
131 ALL	578124.63	4137481.88	9.97E-03	7.01E-03	0.009974	0.001	0.001	0.001
132 ALL	578129.77	4137474	1.10E-02	7.70E-03	0.010955	0.001	0.001	0.001
133 ALL	578134.91	4137466.13	1.20E-02	8.43E-03	0.011987	0.002	0.001	0.002
134 ALL	578140.05	4137458.26	1.31E-02	9.18E-03	0.013053	0.002	0.001	0.002
135 ALL	578145.19	4137450.38	1.41E-02	9.93E-03	0.014123	0.002	0.001	0.002
136 ALL	578150.32	4137442.51	1.52E-02	1.07E-02	0.015166	0.002	0.002	0.002
137 ALL	578155.46	4137434.63	1.62E-02	1.14E-02	0.016155	0.002	0.002	0.002
138 ALL	578160.6	4137426.76	1.71E-02	1.20E-02	0.017062	0.002	0.002	0.002
139 ALL	578165.74	4137418.88	1.79E-02	1.26E-02	0.017866	0.002	0.002	0.002
140 ALL	578105.05	4137534.33	5.53E-03	3.89E-03	0.005532	0.001	0.001	0.001
141 ALL	578067.21	4137560.44	5.32E-03	3.74E-03	0.005319	0.001	0.001	0.001
142 ALL	578059.64	4137565.66	5.38E-03	3.79E-03	0.005382	0.001	0.001	0.001
143 ALL	578052.07	4137570.88	5.47E-03	3.85E-03	0.005471	0.001	0.001	0.001
144 ALL	578044.51	4137576.1	5.58E-03	3.93E-03	0.005583	0.001	0.001	0.001
145 ALL	578036.94	4137581.32	5.72E-03	4.02E-03	0.005716	0.001	0.001	0.001
146 ALL	578029.37	4137586.54	5.86E-03	4.12E-03	0.005865	0.001	0.001	0.001
147 ALL	578012.75	4137590.18	6.58E-03	4.63E-03	0.00658	0.001	0.001	0.001
148 ALL	578003.69	4137588.59	7.21E-03	5.07E-03	0.007211	0.001	0.001	0.001
149 ALL	577994.64	4137587	7.91E-03	5.56E-03	0.00791	0.001	0.001	0.001
150 ALL	577985.58	4137585.42	8.67E-03	6.10E-03	0.00867	0.001	0.001	0.001
151 ALL	577976.52	4137583.83	9.49E-03	6.67E-03	0.009486	0.001	0.001	0.001
152 ALL	577967.47	4137582.24	1.03E-02	7.27E-03	0.010341	0.001	0.001	0.001
153 ALL	577958.41	4137580.66	1.12E-02	7.89E-03	0.011218	0.001	0.001	0.001
154 ALL	577949.36	4137579.07	1.21E-02	8.52E-03	0.012112	0.002	0.001	0.002
155 ALL	577940.3	4137577.49	1.30E-02	9.15E-03	0.013012	0.002	0.001	0.002
156 ALL	577931.24	4137575.9	1.39E-02	9.79E-03	0.013915	0.002	0.001	0.002
157 ALL	577922.19	4137574.31	1.48E-02	1.04E-02	0.014771	0.002	0.002	0.002
158 ALL	577913.13	4137572.73	1.55E-02	1.09E-02	0.015548	0.002	0.002	0.002
159 ALL	578099.5	4137559.78	4.51E-03	3.17E-03	0.004514	0.001	0.000	0.001
160 ALL	578084.78	4137569.93	4.49E-03	3.16E-03	0.004487	0.001	0.000	0.001
161 ALL	578070.06	4137580.09	4.55E-03	3.20E-03	0.004553	0.001	0.000	0.001
162 ALL	578062.7	4137585.17	4.61E-03	3.24E-03	0.004612	0.001	0.000	0.001
163 ALL	578047.99	4137595.32	4.78E-03	3.36E-03	0.004784	0.001	0.000	0.001
164 ALL	578040.63	4137600.4	4.89E-03	3.44E-03	0.004886	0.001	0.000	0.001
165 ALL	578017.11	4137609.01	5.54E-03	3.89E-03	0.005539	0.001	0.001	0.001
166 ALL	577999.49	4137605.92	6.53E-03	4.59E-03	0.006532	0.001	0.001	0.001
167 ALL	577981.88	4137602.84	7.71E-03	5.42E-03	0.007705	0.001	0.001	0.001
168 ALL	577964.27	4137599.75	9.01E-03	6.34E-03	0.009013	0.001	0.001	0.001
169 ALL	577946.66	4137596.67	1.04E-02	7.30E-03	0.010388	0.001	0.001	0.001
170 ALL	577929.05	4137593.58	1.18E-02	8.30E-03	0.011796	0.002	0.001	0.002
171 ALL	577911.44	4137590.5	1.31E-02	9.23E-03	0.013128	0.002	0.001	0.002
172 ALL	578151.7	4137510.77	6.47E-03	4.55E-03	0.006469	0.001	0.001	0.001
173 ALL	578156.84	4137502.9	7.03E-03	4.95E-03	0.007032	0.001	0.001	0.001
174 ALL	578161.98	4137495.02	7.64E-03	5.37E-03	0.007642	0.001	0.001	0.001
175 ALL	578167.12	4137487.15	8.29E-03	5.83E-03	0.008288	0.001	0.001	0.001
176 ALL	578172.26	4137479.27	8.96E-03	6.30E-03	0.00896	0.001	0.001	0.001
177 ALL	578177.4	4137471.4	9.64E-03	6.78E-03	0.009642	0.001	0.001	0.001
178 ALL	578182.53	4137463.53	1.03E-02	7.26E-03	0.01032	0.001	0.001	0.001
179 ALL	578187.67	4137455.65	1.10E-02	7.72E-03	0.010981	0.001	0.001	0.001
180 ALL	578192.81	4137447.78	1.16E-02	8.16E-03	0.011606	0.002	0.001	0.002
181 ALL	578129.45	4137560.74	4.06E-03	2.85E-03	0.00406	0.001	0.000	0.001
182 ALL	578121.8	4137566.01	3.98E-03	2.80E-03	0.003976	0.001	0.000	0.001
183 ALL	578114.15	4137571.29	3.92E-03	2.75E-03	0.003917	0.001	0.000	0.001
184 ALL	578106.5	4137576.57	3.88E-03	2.73E-03	0.003883	0.001	0.000	0.001
185 ALL	578098.85	4137581.84	3.87E-03	2.72E-03	0.003871	0.001	0.000	0.001
186 ALL	578091.21	4137587.12	3.88E-03	2.73E-03	0.003878	0.001	0.000	0.001
187 ALL	578083.56	4137592.4	3.90E-03	2.74E-03	0.003903	0.001	0.000	0.001
188 ALL	578075.91	4137597.68	3.94E-03	2.77E-03	0.003943	0.001	0.000	0.001
189 ALL	578068.26	4137602.95	4.00E-03	2.81E-03	0.003996	0.001	0.000	0.001
190 ALL	578060.61	4137608.23	4.06E-03	2.86E-03	0.004062	0.001	0.000	0.001
191 ALL	578052.96	4137613.51	4.14E-03	2.91E-03	0.004138	0.001	0.000	0.001

192 ALL	578045.32	4137618.78	4.22E-03	2.97E-03	0.004221	0.001	0.000	0.001
193 ALL	578037.67	4137624.06	4.31E-03	3.03E-03	0.004313	0.001	0.000	0.001
194 ALL	578020.87	4137627.73	4.76E-03	3.35E-03	0.004763	0.001	0.000	0.001
195 ALL	578011.71	4137626.13	5.15E-03	3.62E-03	0.005153	0.001	0.001	0.001
196 ALL	578002.56	4137624.53	5.58E-03	3.93E-03	0.005582	0.001	0.001	0.001
197 ALL	577993.41	4137622.92	6.05E-03	4.25E-03	0.006048	0.001	0.001	0.001
198 ALL	577984.26	4137621.32	6.55E-03	4.60E-03	0.006548	0.001	0.001	0.001
199 ALL	577975.1	4137619.72	7.08E-03	4.98E-03	0.007078	0.001	0.001	0.001
200 ALL	577965.95	4137618.11	7.63E-03	5.37E-03	0.007632	0.001	0.001	0.001
201 ALL	577956.8	4137616.51	8.20E-03	5.77E-03	0.008204	0.001	0.001	0.001
202 ALL	577947.65	4137614.91	8.79E-03	6.18E-03	0.00879	0.001	0.001	0.001
203 ALL	577938.49	4137613.3	9.38E-03	6.60E-03	0.009383	0.001	0.001	0.001
204 ALL	577929.34	4137611.7	9.98E-03	7.02E-03	0.009977	0.001	0.001	0.001
205 ALL	577920.19	4137610.1	1.06E-02	7.43E-03	0.010564	0.001	0.001	0.001
206 ALL	577911.04	4137608.49	1.11E-02	7.83E-03	0.011134	0.001	0.001	0.001
207 ALL	577901.88	4137606.89	1.17E-02	8.22E-03	0.011683	0.002	0.001	0.002
208 ALL	577892.73	4137605.29	1.22E-02	8.57E-03	0.012186	0.002	0.001	0.002
209 ALL	578157.53	4137537.03	4.80E-03	3.38E-03	0.004802	0.001	0.000	0.001
210 ALL	578162.67	4137529.16	5.18E-03	3.64E-03	0.005177	0.001	0.001	0.001
211 ALL	578167.81	4137521.28	5.60E-03	3.94E-03	0.005596	0.001	0.001	0.001
212 ALL	578172.95	4137513.41	6.06E-03	4.26E-03	0.006055	0.001	0.001	0.001
213 ALL	578178.09	4137505.53	6.55E-03	4.61E-03	0.006551	0.001	0.001	0.001
214 ALL	578183.22	4137497.66	7.08E-03	4.98E-03	0.007077	0.001	0.001	0.001
215 ALL	578188.36	4137489.78	7.62E-03	5.36E-03	0.007624	0.001	0.001	0.001
216 ALL	578193.5	4137481.91	8.18E-03	5.75E-03	0.008181	0.001	0.001	0.001
217 ALL	578198.64	4137474.03	8.74E-03	6.15E-03	0.00874	0.001	0.001	0.001
218 ALL	578203.78	4137466.16	9.29E-03	6.53E-03	0.009287	0.001	0.001	0.001
219 ALL	578208.92	4137458.29	9.81E-03	6.90E-03	0.009811	0.001	0.001	0.001
220 ALL	578161.03	4137560.57	3.82E-03	2.68E-03	0.003816	0.001	0.000	0.001
221 ALL	578153.57	4137565.72	3.70E-03	2.60E-03	0.003696	0.000	0.000	0.000
222 ALL	578138.64	4137576.02	3.51E-03	2.47E-03	0.003515	0.000	0.000	0.000
223 ALL	578131.17	4137581.17	3.45E-03	2.43E-03	0.003454	0.000	0.000	0.000
224 ALL	578123.71	4137586.32	3.41E-03	2.40E-03	0.003413	0.000	0.000	0.000
225 ALL	578116.24	4137591.47	3.39E-03	2.38E-03	0.00339	0.000	0.000	0.000
226 ALL	578108.78	4137596.62	3.38E-03	2.38E-03	0.003381	0.000	0.000	0.000
227 ALL	578101.31	4137601.77	3.39E-03	2.38E-03	0.003387	0.000	0.000	0.000
228 ALL	578093.85	4137606.92	3.41E-03	2.39E-03	0.003405	0.000	0.000	0.000
229 ALL	578086.38	4137612.07	3.43E-03	2.42E-03	0.003434	0.000	0.000	0.000
230 ALL	578078.92	4137617.22	3.47E-03	2.44E-03	0.003473	0.000	0.000	0.000
231 ALL	578071.45	4137622.37	3.52E-03	2.47E-03	0.003517	0.000	0.000	0.000
232 ALL	578063.99	4137627.52	3.57E-03	2.51E-03	0.00357	0.000	0.000	0.000
233 ALL	578056.52	4137632.67	3.63E-03	2.55E-03	0.003631	0.000	0.000	0.000
234 ALL	578041.59	4137642.97	3.77E-03	2.65E-03	0.003774	0.001	0.000	0.001
235 ALL	578025.19	4137646.56	4.13E-03	2.90E-03	0.004131	0.001	0.000	0.001
236 ALL	578016.26	4137644.99	4.44E-03	3.12E-03	0.004436	0.001	0.000	0.001
237 ALL	578007.33	4137643.43	4.77E-03	3.35E-03	0.00477	0.001	0.000	0.001
238 ALL	577998.39	4137641.86	5.13E-03	3.61E-03	0.005133	0.001	0.001	0.001
239 ALL	577989.46	4137640.3	5.52E-03	3.88E-03	0.005521	0.001	0.001	0.001
240 ALL	577980.53	4137638.73	5.93E-03	4.17E-03	0.005933	0.001	0.001	0.001
241 ALL	577971.59	4137637.17	6.36E-03	4.48E-03	0.006365	0.001	0.001	0.001
242 ALL	577962.66	4137635.6	6.81E-03	4.79E-03	0.006812	0.001	0.001	0.001
243 ALL	577953.73	4137634.04	7.27E-03	5.11E-03	0.007272	0.001	0.001	0.001
244 ALL	577944.79	4137632.47	7.74E-03	5.44E-03	0.007743	0.001	0.001	0.001
245 ALL	577935.86	4137630.91	8.22E-03	5.78E-03	0.008217	0.001	0.001	0.001
246 ALL	577926.93	4137629.34	8.70E-03	6.11E-03	0.008695	0.001	0.001	0.001
247 ALL	577917.99	4137627.78	9.17E-03	6.45E-03	0.009169	0.001	0.001	0.001
248 ALL	577909.06	4137626.22	9.64E-03	6.78E-03	0.009638	0.001	0.001	0.001
249 ALL	577900.13	4137624.65	1.01E-02	7.10E-03	0.010097	0.001	0.001	0.001
250 ALL	577891.19	4137623.09	1.05E-02	7.40E-03	0.010526	0.001	0.001	0.001
251 ALL	577882.26	4137621.52	1.09E-02	7.68E-03	0.010919	0.001	0.001	0.001
252 ALL	578183.91	4137531.79	4.90E-03	3.44E-03	0.004899	0.001	0.000	0.001
253 ALL	578189.05	4137523.92	5.28E-03	3.71E-03	0.005279	0.001	0.001	0.001
254 ALL	578194.19	4137516.04	5.69E-03	4.00E-03	0.005689	0.001	0.001	0.001
255 ALL	578199.33	4137508.17	6.12E-03	4.31E-03	0.006123	0.001	0.001	0.001

256 ALL	578204.47	4137500.29	6.57E-03	4.62E-03	0.006574	0.001	0.001	0.001
257 ALL	578209.61	4137492.42	7.03E-03	4.95E-03	0.007035	0.001	0.001	0.001
258 ALL	578214.74	4137484.54	7.50E-03	5.27E-03	0.007499	0.001	0.001	0.001
259 ALL	578219.88	4137476.67	7.96E-03	5.59E-03	0.007956	0.001	0.001	0.001
260 ALL	578225.02	4137468.79	8.40E-03	5.91E-03	0.008399	0.001	0.001	0.001
261 ALL	578176.9	4137571.24	3.40E-03	2.39E-03	0.003402	0.000	0.000	0.000
262 ALL	578169.19	4137576.56	3.29E-03	2.31E-03	0.003291	0.000	0.000	0.000
263 ALL	578161.49	4137581.87	3.20E-03	2.25E-03	0.003198	0.000	0.000	0.000
264 ALL	578153.79	4137587.19	3.12E-03	2.20E-03	0.003124	0.000	0.000	0.000
265 ALL	578146.08	4137592.5	3.07E-03	2.16E-03	0.003065	0.000	0.000	0.000
266 ALL	578138.38	4137597.82	3.02E-03	2.13E-03	0.003023	0.000	0.000	0.000
267 ALL	578130.68	4137603.13	3.00E-03	2.11E-03	0.002996	0.000	0.000	0.000
268 ALL	578122.97	4137608.45	2.98E-03	2.10E-03	0.002985	0.000	0.000	0.000
269 ALL	578115.27	4137613.76	2.98E-03	2.10E-03	0.002984	0.000	0.000	0.000
270 ALL	578107.57	4137619.08	2.99E-03	2.11E-03	0.002994	0.000	0.000	0.000
271 ALL	578099.86	4137624.39	3.01E-03	2.12E-03	0.003012	0.000	0.000	0.000
272 ALL	578092.16	4137629.71	3.04E-03	2.14E-03	0.003037	0.000	0.000	0.000
273 ALL	578084.46	4137635.02	3.07E-03	2.16E-03	0.00307	0.000	0.000	0.000
274 ALL	578076.75	4137640.34	3.11E-03	2.19E-03	0.003109	0.000	0.000	0.000
275 ALL	578069.05	4137645.65	3.15E-03	2.22E-03	0.003154	0.000	0.000	0.000
276 ALL	578061.35	4137650.97	3.21E-03	2.25E-03	0.003205	0.000	0.000	0.000
277 ALL	578053.64	4137656.28	3.26E-03	2.30E-03	0.003265	0.000	0.000	0.000
278 ALL	578045.94	4137661.6	3.33E-03	2.34E-03	0.003328	0.000	0.000	0.000
279 ALL	578029.02	4137665.3	3.63E-03	2.55E-03	0.003626	0.000	0.000	0.000
280 ALL	578019.8	4137663.68	3.89E-03	2.73E-03	0.003885	0.001	0.000	0.001
281 ALL	578010.58	4137662.07	4.17E-03	2.93E-03	0.004168	0.001	0.000	0.001
282 ALL	578001.36	4137660.45	4.48E-03	3.15E-03	0.004476	0.001	0.000	0.001
283 ALL	577992.14	4137658.84	4.81E-03	3.38E-03	0.004805	0.001	0.000	0.001
284 ALL	577982.92	4137657.22	5.15E-03	3.62E-03	0.005154	0.001	0.001	0.001
285 ALL	577973.7	4137655.61	5.52E-03	3.88E-03	0.005521	0.001	0.001	0.001
286 ALL	577964.49	4137653.99	5.90E-03	4.15E-03	0.005901	0.001	0.001	0.001
287 ALL	577955.27	4137652.38	6.29E-03	4.43E-03	0.006293	0.001	0.001	0.001
288 ALL	577946.05	4137650.76	6.69E-03	4.71E-03	0.006694	0.001	0.001	0.001
289 ALL	577936.83	4137649.15	7.10E-03	4.99E-03	0.007102	0.001	0.001	0.001
290 ALL	577927.61	4137647.53	7.51E-03	5.28E-03	0.007514	0.001	0.001	0.001
291 ALL	577918.39	4137645.92	7.93E-03	5.57E-03	0.007926	0.001	0.001	0.001
292 ALL	577909.17	4137644.3	8.34E-03	5.86E-03	0.008339	0.001	0.001	0.001
293 ALL	577899.95	4137642.69	8.75E-03	6.15E-03	0.00875	0.001	0.001	0.001
294 ALL	577890.74	4137641.07	9.14E-03	6.43E-03	0.009145	0.001	0.001	0.001
295 ALL	577881.52	4137639.46	9.51E-03	6.69E-03	0.009514	0.001	0.001	0.001
296 ALL	577872.3	4137637.84	9.85E-03	6.92E-03	0.009847	0.001	0.001	0.001
297 ALL	578184.6	4137565.93	3.53E-03	2.48E-03	0.00353	0.000	0.000	0.000
298 ALL	578189.74	4137558.05	3.77E-03	2.65E-03	0.003769	0.001	0.000	0.001
299 ALL	578205.16	4137534.43	4.65E-03	3.27E-03	0.00465	0.001	0.000	0.001
300 ALL	578210.3	4137526.55	5.00E-03	3.51E-03	0.004996	0.001	0.001	0.001
301 ALL	578215.43	4137518.68	5.36E-03	3.77E-03	0.005356	0.001	0.001	0.001
302 ALL	578220.57	4137510.8	5.73E-03	4.03E-03	0.005732	0.001	0.001	0.001
303 ALL	578225.71	4137502.93	6.12E-03	4.30E-03	0.006118	0.001	0.001	0.001
304 ALL	578230.85	4137495.05	6.51E-03	4.58E-03	0.006508	0.001	0.001	0.001
305 ALL	578235.99	4137487.18	6.89E-03	4.85E-03	0.006894	0.001	0.001	0.001
306 ALL	578241.13	4137479.3	7.27E-03	5.11E-03	0.00727	0.001	0.001	0.001
307 ALL	578193.17	4137581.64	3.06E-03	2.15E-03	0.003061	0.000	0.000	0.000
308 ALL	578185.62	4137586.84	2.96E-03	2.08E-03	0.002961	0.000	0.000	0.000
309 ALL	578178.08	4137592.04	2.88E-03	2.02E-03	0.002878	0.000	0.000	0.000
310 ALL	578170.54	4137597.25	2.81E-03	1.97E-03	0.002808	0.000	0.000	0.000
311 ALL	578163	4137602.45	2.75E-03	1.94E-03	0.002752	0.000	0.000	0.000
312 ALL	578155.46	4137607.65	2.71E-03	1.90E-03	0.002708	0.000	0.000	0.000
313 ALL	578147.92	4137612.86	2.68E-03	1.88E-03	0.002677	0.000	0.000	0.000
314 ALL	578140.38	4137618.06	2.66E-03	1.87E-03	0.002659	0.000	0.000	0.000
315 ALL	578132.84	4137623.26	2.65E-03	1.86E-03	0.002651	0.000	0.000	0.000
316 ALL	578125.3	4137628.46	2.65E-03	1.87E-03	0.002652	0.000	0.000	0.000
317 ALL	578117.75	4137633.67	2.66E-03	1.87E-03	0.00266	0.000	0.000	0.000
318 ALL	578110.21	4137638.87	2.67E-03	1.88E-03	0.002674	0.000	0.000	0.000
319 ALL	578102.67	4137644.07	2.69E-03	1.89E-03	0.002693	0.000	0.000	0.000

320 ALL	578095.13	4137649.28	2.72E-03	1.91E-03	0.002718	0.000	0.000	0.000
321 ALL	578087.59	4137654.48	2.75E-03	1.93E-03	0.002749	0.000	0.000	0.000
322 ALL	578080.05	4137659.68	2.78E-03	1.96E-03	0.002784	0.000	0.000	0.000
323 ALL	578072.51	4137664.89	2.82E-03	1.99E-03	0.002823	0.000	0.000	0.000
324 ALL	578064.97	4137670.09	2.87E-03	2.02E-03	0.002866	0.000	0.000	0.000
325 ALL	578057.43	4137675.29	2.91E-03	2.05E-03	0.002914	0.000	0.000	0.000
326 ALL	578049.88	4137680.49	2.96E-03	2.08E-03	0.002963	0.000	0.000	0.000
327 ALL	578033.32	4137684.12	3.20E-03	2.25E-03	0.003201	0.000	0.000	0.000
328 ALL	578024.29	4137682.54	3.41E-03	2.40E-03	0.00341	0.000	0.000	0.000
329 ALL	578015.27	4137680.95	3.64E-03	2.56E-03	0.003637	0.000	0.000	0.000
330 ALL	578006.25	4137679.37	3.88E-03	2.73E-03	0.003883	0.001	0.000	0.001
331 ALL	577997.22	4137677.79	4.15E-03	2.92E-03	0.004147	0.001	0.000	0.001
332 ALL	577988.2	4137676.21	4.43E-03	3.11E-03	0.004427	0.001	0.000	0.001
333 ALL	577979.17	4137674.63	4.72E-03	3.32E-03	0.00472	0.001	0.000	0.001
334 ALL	577970.15	4137673.05	5.03E-03	3.53E-03	0.005025	0.001	0.001	0.001
335 ALL	577961.12	4137671.47	5.34E-03	3.76E-03	0.005341	0.001	0.001	0.001
336 ALL	577952.1	4137669.89	5.66E-03	3.98E-03	0.005663	0.001	0.001	0.001
337 ALL	577943.07	4137668.31	5.99E-03	4.21E-03	0.005993	0.001	0.001	0.001
338 ALL	577934.05	4137666.73	6.33E-03	4.45E-03	0.006328	0.001	0.001	0.001
339 ALL	577925.03	4137665.15	6.67E-03	4.69E-03	0.006667	0.001	0.001	0.001
340 ALL	577916	4137663.57	7.01E-03	4.93E-03	0.007009	0.001	0.001	0.001
341 ALL	577906.98	4137661.98	7.35E-03	5.17E-03	0.007354	0.001	0.001	0.001
342 ALL	577897.95	4137660.4	7.70E-03	5.41E-03	0.007698	0.001	0.001	0.001
343 ALL	577888.93	4137658.82	8.03E-03	5.65E-03	0.008035	0.001	0.001	0.001
344 ALL	577879.9	4137657.24	8.36E-03	5.88E-03	0.008357	0.001	0.001	0.001
345 ALL	577870.88	4137655.66	8.66E-03	6.09E-03	0.008656	0.001	0.001	0.001
346 ALL	577861.85	4137654.08	8.93E-03	6.28E-03	0.008928	0.001	0.001	0.001
347 ALL	578200.71	4137576.44	3.17E-03	2.23E-03	0.003172	0.000	0.000	0.000
348 ALL	578205.85	4137568.56	3.38E-03	2.38E-03	0.003378	0.000	0.000	0.000
349 ALL	578210.98	4137560.69	3.60E-03	2.53E-03	0.003605	0.000	0.000	0.000
350 ALL	578226.4	4137537.06	4.42E-03	3.11E-03	0.004419	0.001	0.000	0.001
351 ALL	578231.54	4137529.19	4.72E-03	3.32E-03	0.004724	0.001	0.000	0.001
352 ALL	578236.68	4137521.31	5.04E-03	3.55E-03	0.005042	0.001	0.001	0.001
353 ALL	578241.82	4137513.44	5.37E-03	3.77E-03	0.005368	0.001	0.001	0.001
354 ALL	578246.95	4137505.56	5.70E-03	4.01E-03	0.005701	0.001	0.001	0.001
355 ALL	578252.09	4137497.69	6.03E-03	4.24E-03	0.006032	0.001	0.001	0.001
356 ALL	578257.23	4137489.81	6.35E-03	4.47E-03	0.006352	0.001	0.001	0.001
357 ALL	578209.41	4137592.05	2.78E-03	1.95E-03	0.002776	0.000	0.000	0.000
358 ALL	578202	4137597.17	2.69E-03	1.89E-03	0.002689	0.000	0.000	0.000
359 ALL	578187.18	4137607.39	2.55E-03	1.79E-03	0.002546	0.000	0.000	0.000
360 ALL	578172.37	4137617.61	2.45E-03	1.72E-03	0.002448	0.000	0.000	0.000
361 ALL	578164.96	4137622.72	2.42E-03	1.70E-03	0.002415	0.000	0.000	0.000
362 ALL	578150.15	4137632.94	2.38E-03	1.67E-03	0.002378	0.000	0.000	0.000
363 ALL	578135.33	4137643.16	2.37E-03	1.67E-03	0.002374	0.000	0.000	0.000
364 ALL	578120.52	4137653.38	2.39E-03	1.68E-03	0.002392	0.000	0.000	0.000
365 ALL	578105.71	4137663.6	2.43E-03	1.71E-03	0.002429	0.000	0.000	0.000
366 ALL	578098.3	4137668.71	2.45E-03	1.73E-03	0.002454	0.000	0.000	0.000
367 ALL	578083.49	4137678.93	2.51E-03	1.77E-03	0.002512	0.000	0.000	0.000
368 ALL	578068.67	4137689.15	2.58E-03	1.81E-03	0.002578	0.000	0.000	0.000
369 ALL	578053.86	4137699.37	2.66E-03	1.87E-03	0.002656	0.000	0.000	0.000
370 ALL	578037.59	4137702.93	2.85E-03	2.01E-03	0.002852	0.000	0.000	0.000
371 ALL	578019.86	4137699.83	3.21E-03	2.25E-03	0.003206	0.000	0.000	0.000
372 ALL	578011	4137698.27	3.41E-03	2.40E-03	0.003406	0.000	0.000	0.000
373 ALL	578002.13	4137696.72	3.62E-03	2.55E-03	0.003621	0.000	0.000	0.000
374 ALL	577993.27	4137695.17	3.85E-03	2.71E-03	0.003848	0.001	0.000	0.001
375 ALL	577984.4	4137693.62	4.09E-03	2.87E-03	0.004087	0.001	0.000	0.001
376 ALL	577966.68	4137690.51	4.59E-03	3.23E-03	0.004592	0.001	0.000	0.001
377 ALL	577957.81	4137688.96	4.86E-03	3.42E-03	0.004857	0.001	0.000	0.001
378 ALL	577948.95	4137687.4	5.13E-03	3.61E-03	0.005127	0.001	0.001	0.001
379 ALL	577940.08	4137685.85	5.40E-03	3.80E-03	0.005401	0.001	0.001	0.001
380 ALL	577922.36	4137682.75	5.96E-03	4.19E-03	0.005963	0.001	0.001	0.001
381 ALL	577913.49	4137681.19	6.25E-03	4.39E-03	0.006249	0.001	0.001	0.001
382 ALL	577904.63	4137679.64	6.54E-03	4.60E-03	0.006536	0.001	0.001	0.001
383 ALL	577895.76	4137678.09	6.82E-03	4.80E-03	0.006823	0.001	0.001	0.001

384 ALL	577886.9	4137676.53	7.11E-03	5.00E-03	0.007107	0.001	0.001	0.001
385 ALL	577869.17	4137673.43	7.65E-03	5.38E-03	0.007651	0.001	0.001	0.001
386 ALL	577860.31	4137671.88	7.90E-03	5.56E-03	0.0079	0.001	0.001	0.001
387 ALL	577851.44	4137670.32	8.13E-03	5.72E-03	0.008128	0.001	0.001	0.001
388 ALL	578221.95	4137579.07	3.05E-03	2.15E-03	0.003053	0.000	0.000	0.000
389 ALL	578227.09	4137571.2	3.25E-03	2.29E-03	0.00325	0.000	0.000	0.000
390 ALL	578232.23	4137563.32	3.47E-03	2.44E-03	0.003466	0.000	0.000	0.000
391 ALL	578252.78	4137531.82	4.48E-03	3.15E-03	0.004478	0.001	0.000	0.001
392 ALL	578257.92	4137523.95	4.76E-03	3.35E-03	0.004758	0.001	0.000	0.001
393 ALL	578263.06	4137516.07	5.04E-03	3.55E-03	0.005042	0.001	0.001	0.001
394 ALL	578268.2	4137508.2	5.32E-03	3.74E-03	0.005324	0.001	0.001	0.001
395 ALL	578273.34	4137500.32	5.60E-03	3.94E-03	0.005601	0.001	0.001	0.001
396 ALL	578225.32	4137602.7	2.53E-03	1.78E-03	0.00253	0.000	0.000	0.000
397 ALL	578217.72	4137607.94	2.45E-03	1.72E-03	0.00245	0.000	0.000	0.000
398 ALL	578210.12	4137613.18	2.38E-03	1.67E-03	0.002378	0.000	0.000	0.000
399 ALL	578202.52	4137618.42	2.32E-03	1.63E-03	0.002316	0.000	0.000	0.000
400 ALL	578194.93	4137623.67	2.26E-03	1.59E-03	0.002264	0.000	0.000	0.000
401 ALL	578187.33	4137628.91	2.22E-03	1.56E-03	0.002221	0.000	0.000	0.000
402 ALL	578179.73	4137634.15	2.19E-03	1.54E-03	0.002188	0.000	0.000	0.000
403 ALL	578172.13	4137639.39	2.16E-03	1.52E-03	0.002165	0.000	0.000	0.000
404 ALL	578164.53	4137644.64	2.15E-03	1.51E-03	0.002149	0.000	0.000	0.000
405 ALL	578156.93	4137649.88	2.14E-03	1.51E-03	0.002141	0.000	0.000	0.000
406 ALL	578149.34	4137655.12	2.14E-03	1.50E-03	0.002138	0.000	0.000	0.000
407 ALL	578141.74	4137660.36	2.14E-03	1.51E-03	0.002142	0.000	0.000	0.000
408 ALL	578134.14	4137665.6	2.15E-03	1.51E-03	0.00215	0.000	0.000	0.000
409 ALL	578126.54	4137670.85	2.16E-03	1.52E-03	0.002162	0.000	0.000	0.000
410 ALL	578118.94	4137676.09	2.18E-03	1.53E-03	0.002178	0.000	0.000	0.000
411 ALL	578111.34	4137681.33	2.20E-03	1.55E-03	0.002199	0.000	0.000	0.000
412 ALL	578103.75	4137686.57	2.22E-03	1.56E-03	0.002221	0.000	0.000	0.000
413 ALL	578096.15	4137691.82	2.24E-03	1.58E-03	0.002245	0.000	0.000	0.000
414 ALL	578088.55	4137697.06	2.27E-03	1.60E-03	0.002271	0.000	0.000	0.000
415 ALL	578080.95	4137702.3	2.30E-03	1.62E-03	0.002298	0.000	0.000	0.000
416 ALL	578073.35	4137707.54	2.33E-03	1.64E-03	0.002328	0.000	0.000	0.000
417 ALL	578065.76	4137712.79	2.36E-03	1.66E-03	0.002361	0.000	0.000	0.000
418 ALL	578058.16	4137718.03	2.40E-03	1.69E-03	0.002397	0.000	0.000	0.000
419 ALL	578041.47	4137721.68	2.57E-03	1.81E-03	0.002568	0.000	0.000	0.000
420 ALL	578032.37	4137720.09	2.71E-03	1.91E-03	0.002713	0.000	0.000	0.000
421 ALL	578023.28	4137718.49	2.87E-03	2.02E-03	0.002873	0.000	0.000	0.000
422 ALL	578014.19	4137716.9	3.05E-03	2.14E-03	0.003046	0.000	0.000	0.000
423 ALL	578005.09	4137715.31	3.23E-03	2.27E-03	0.003231	0.000	0.000	0.000
424 ALL	577996	4137713.71	3.43E-03	2.41E-03	0.003428	0.000	0.000	0.000
425 ALL	577986.91	4137712.12	3.64E-03	2.56E-03	0.003636	0.000	0.000	0.000
426 ALL	577977.82	4137710.53	3.85E-03	2.71E-03	0.003852	0.001	0.000	0.001
427 ALL	577968.72	4137708.94	4.08E-03	2.87E-03	0.004076	0.001	0.000	0.001
428 ALL	577959.63	4137707.34	4.31E-03	3.03E-03	0.004306	0.001	0.000	0.001
429 ALL	577950.54	4137705.75	4.54E-03	3.19E-03	0.004541	0.001	0.000	0.001
430 ALL	577941.45	4137704.16	4.78E-03	3.36E-03	0.00478	0.001	0.000	0.001
431 ALL	577932.35	4137702.56	5.02E-03	3.53E-03	0.005023	0.001	0.001	0.001
432 ALL	577923.26	4137700.97	5.27E-03	3.71E-03	0.00527	0.001	0.001	0.001
433 ALL	577914.17	4137699.38	5.52E-03	3.88E-03	0.00552	0.001	0.001	0.001
434 ALL	577905.07	4137697.79	5.77E-03	4.06E-03	0.005773	0.001	0.001	0.001
435 ALL	577895.98	4137696.19	6.03E-03	4.24E-03	0.006028	0.001	0.001	0.001
436 ALL	577886.89	4137694.6	6.28E-03	4.42E-03	0.006282	0.001	0.001	0.001
437 ALL	577877.8	4137693.01	6.53E-03	4.59E-03	0.006533	0.001	0.001	0.001
438 ALL	577868.7	4137691.41	6.78E-03	4.77E-03	0.006779	0.001	0.001	0.001
439 ALL	577859.61	4137689.82	7.01E-03	4.93E-03	0.007014	0.001	0.001	0.001
440 ALL	577850.52	4137688.23	7.23E-03	5.09E-03	0.007233	0.001	0.001	0.001
441 ALL	577841.42	4137686.64	7.43E-03	5.23E-03	0.007433	0.001	0.001	0.001
442 ALL	578232.92	4137597.45	2.62E-03	1.84E-03	0.00262	0.000	0.000	0.000
443 ALL	578238.06	4137589.58	2.78E-03	1.95E-03	0.002777	0.000	0.000	0.000
444 ALL	578243.19	4137581.7	2.95E-03	2.07E-03	0.002949	0.000	0.000	0.000
445 ALL	578248.33	4137573.83	3.14E-03	2.21E-03	0.003136	0.000	0.000	0.000
446 ALL	578253.47	4137565.96	3.34E-03	2.35E-03	0.003337	0.000	0.000	0.000
447 ALL	578274.03	4137534.46	4.25E-03	2.99E-03	0.004251	0.001	0.000	0.001



448 ALL	578279.17	4137526.58	4.49E-03	3.16E-03	0.004495	0.001	0.000	0.001
449 ALL	578284.3	4137518.71	4.74E-03	3.33E-03	0.004737	0.001	0.000	0.001
450 ALL	578289.44	4137510.83	4.98E-03	3.50E-03	0.004976	0.001	0.001	0.001
451 ALL	578241.55	4137613.12	2.32E-03	1.63E-03	0.002322	0.000	0.000	0.000
452 ALL	578234.07	4137618.28	2.25E-03	1.58E-03	0.00225	0.000	0.000	0.000
453 ALL	578226.6	4137623.44	2.18E-03	1.54E-03	0.002184	0.000	0.000	0.000
454 ALL	578219.12	4137628.59	2.13E-03	1.50E-03	0.002127	0.000	0.000	0.000
455 ALL	578211.65	4137633.75	2.08E-03	1.46E-03	0.002078	0.000	0.000	0.000
456 ALL	578204.17	4137638.91	2.04E-03	1.43E-03	0.002036	0.000	0.000	0.000
457 ALL	578196.7	4137644.07	2.00E-03	1.41E-03	0.002003	0.000	0.000	0.000
458 ALL	578189.22	4137649.22	1.98E-03	1.39E-03	0.001977	0.000	0.000	0.000
459 ALL	578181.75	4137654.38	1.96E-03	1.38E-03	0.001958	0.000	0.000	0.000
460 ALL	578174.27	4137659.54	1.95E-03	1.37E-03	0.001945	0.000	0.000	0.000
461 ALL	578166.79	4137664.7	1.94E-03	1.36E-03	0.001939	0.000	0.000	0.000
462 ALL	578159.32	4137669.85	1.94E-03	1.36E-03	0.001937	0.000	0.000	0.000
463 ALL	578151.84	4137675.01	1.94E-03	1.36E-03	0.001941	0.000	0.000	0.000
464 ALL	578144.37	4137680.17	1.95E-03	1.37E-03	0.001948	0.000	0.000	0.000
465 ALL	578136.89	4137685.33	1.96E-03	1.38E-03	0.00196	0.000	0.000	0.000
466 ALL	578129.42	4137690.48	1.97E-03	1.39E-03	0.001974	0.000	0.000	0.000
467 ALL	578121.94	4137695.64	1.99E-03	1.40E-03	0.00199	0.000	0.000	0.000
468 ALL	578114.47	4137700.8	2.01E-03	1.41E-03	0.002008	0.000	0.000	0.000
469 ALL	578106.99	4137705.96	2.03E-03	1.43E-03	0.002027	0.000	0.000	0.000
470 ALL	578099.52	4137711.11	2.05E-03	1.44E-03	0.002047	0.000	0.000	0.000
471 ALL	578092.04	4137716.27	2.07E-03	1.46E-03	0.002069	0.000	0.000	0.000
472 ALL	578084.57	4137721.43	2.09E-03	1.47E-03	0.002093	0.000	0.000	0.000
473 ALL	578077.09	4137726.59	2.12E-03	1.49E-03	0.002119	0.000	0.000	0.000
474 ALL	578069.62	4137731.74	2.15E-03	1.51E-03	0.002148	0.000	0.000	0.000
475 ALL	578062.14	4137736.9	2.18E-03	1.53E-03	0.002179	0.000	0.000	0.000
476 ALL	578045.72	4137740.49	2.32E-03	1.63E-03	0.002322	0.000	0.000	0.000
477 ALL	578036.78	4137738.92	2.44E-03	1.72E-03	0.002444	0.000	0.000	0.000
478 ALL	578027.83	4137737.36	2.58E-03	1.81E-03	0.002576	0.000	0.000	0.000
479 ALL	578018.88	4137735.79	2.72E-03	1.91E-03	0.002718	0.000	0.000	0.000
480 ALL	578009.94	4137734.22	2.87E-03	2.02E-03	0.00287	0.000	0.000	0.000
481 ALL	578000.99	4137732.66	3.03E-03	2.13E-03	0.003033	0.000	0.000	0.000
482 ALL	577992.05	4137731.09	3.21E-03	2.25E-03	0.003205	0.000	0.000	0.000
483 ALL	577983.1	4137729.52	3.39E-03	2.38E-03	0.003386	0.000	0.000	0.000
484 ALL	577974.16	4137727.95	3.57E-03	2.51E-03	0.003572	0.000	0.000	0.000
485 ALL	577965.21	4137726.39	3.76E-03	2.65E-03	0.003762	0.000	0.000	0.000
486 ALL	577956.27	4137724.82	3.96E-03	2.78E-03	0.003956	0.001	0.000	0.001
487 ALL	577947.32	4137723.25	4.15E-03	2.92E-03	0.004154	0.001	0.000	0.001
488 ALL	577938.37	4137721.69	4.36E-03	3.06E-03	0.004357	0.001	0.000	0.001
489 ALL	577929.43	4137720.12	4.57E-03	3.21E-03	0.004565	0.001	0.000	0.001
490 ALL	577920.48	4137718.55	4.78E-03	3.36E-03	0.004776	0.001	0.000	0.001
491 ALL	577911.54	4137716.99	4.99E-03	3.51E-03	0.00499	0.001	0.001	0.001
492 ALL	577902.59	4137715.42	5.21E-03	3.66E-03	0.005205	0.001	0.001	0.001
493 ALL	577893.65	4137713.85	5.42E-03	3.81E-03	0.005423	0.001	0.001	0.001
494 ALL	577884.7	4137712.28	5.64E-03	3.97E-03	0.005641	0.001	0.001	0.001
495 ALL	577875.76	4137710.72	5.86E-03	4.12E-03	0.005859	0.001	0.001	0.001
496 ALL	577866.81	4137709.15	6.07E-03	4.27E-03	0.006074	0.001	0.001	0.001
497 ALL	577857.86	4137707.58	6.28E-03	4.42E-03	0.006283	0.001	0.001	0.001
498 ALL	577848.92	4137706.02	6.48E-03	4.56E-03	0.006482	0.001	0.001	0.001
499 ALL	577839.97	4137704.45	6.67E-03	4.69E-03	0.00667	0.001	0.001	0.001
500 ALL	577831.03	4137702.88	6.84E-03	4.81E-03	0.006841	0.001	0.001	0.001
501 ALL	578254.16	4137600.09	2.54E-03	1.79E-03	0.00254	0.000	0.000	0.000
502 ALL	578259.3	4137592.21	2.69E-03	1.89E-03	0.002691	0.000	0.000	0.000
503 ALL	578264.44	4137584.34	2.85E-03	2.01E-03	0.002855	0.000	0.000	0.000
504 ALL	578269.58	4137576.46	3.03E-03	2.13E-03	0.003029	0.000	0.000	0.000
505 ALL	578274.72	4137568.59	3.21E-03	2.26E-03	0.003215	0.000	0.000	0.000
506 ALL	578279.85	4137560.72	3.41E-03	2.40E-03	0.003409	0.000	0.000	0.000
507 ALL	578295.27	4137537.09	4.03E-03	2.84E-03	0.004032	0.001	0.000	0.001
508 ALL	578300.41	4137529.22	4.24E-03	2.98E-03	0.004243	0.001	0.000	0.001
509 ALL	578257.48	4137623.75	2.14E-03	1.50E-03	0.002138	0.000	0.000	0.000
510 ALL	578249.84	4137629.02	2.07E-03	1.46E-03	0.002071	0.000	0.000	0.000
511 ALL	578242.2	4137634.29	2.01E-03	1.41E-03	0.00201	0.000	0.000	0.000

512 ALL	578234.56	4137639.57	1.96E-03	1.38E-03	0.001956	0.000	0.000	0.000
513 ALL	578226.91	4137644.84	1.91E-03	1.34E-03	0.001909	0.000	0.000	0.000
514 ALL	578219.27	4137650.11	1.87E-03	1.31E-03	0.001869	0.000	0.000	0.000
515 ALL	578211.63	4137655.38	1.84E-03	1.29E-03	0.001835	0.000	0.000	0.000
516 ALL	578203.99	4137660.66	1.81E-03	1.27E-03	0.001809	0.000	0.000	0.000
517 ALL	578196.34	4137665.93	1.79E-03	1.26E-03	0.001789	0.000	0.000	0.000
518 ALL	578188.7	4137671.2	1.78E-03	1.25E-03	0.001775	0.000	0.000	0.000
519 ALL	578181.06	4137676.48	1.77E-03	1.24E-03	0.001767	0.000	0.000	0.000
520 ALL	578173.41	4137681.75	1.76E-03	1.24E-03	0.001765	0.000	0.000	0.000
521 ALL	578165.77	4137687.02	1.77E-03	1.24E-03	0.001767	0.000	0.000	0.000
522 ALL	578158.13	4137692.3	1.77E-03	1.25E-03	0.001773	0.000	0.000	0.000
523 ALL	578150.49	4137697.57	1.78E-03	1.25E-03	0.001782	0.000	0.000	0.000
524 ALL	578142.84	4137702.84	1.79E-03	1.26E-03	0.001794	0.000	0.000	0.000
525 ALL	578135.2	4137708.11	1.81E-03	1.27E-03	0.001807	0.000	0.000	0.000
526 ALL	578127.56	4137713.39	1.82E-03	1.28E-03	0.001821	0.000	0.000	0.000
527 ALL	578119.92	4137718.66	1.84E-03	1.29E-03	0.001837	0.000	0.000	0.000
528 ALL	578112.27	4137723.93	1.85E-03	1.30E-03	0.001854	0.000	0.000	0.000
529 ALL	578104.63	4137729.21	1.87E-03	1.32E-03	0.001872	0.000	0.000	0.000
530 ALL	578096.99	4137734.48	1.89E-03	1.33E-03	0.001891	0.000	0.000	0.000
531 ALL	578089.35	4137739.75	1.91E-03	1.34E-03	0.001912	0.000	0.000	0.000
532 ALL	578081.7	4137745.03	1.94E-03	1.36E-03	0.001936	0.000	0.000	0.000
533 ALL	578074.06	4137750.3	1.96E-03	1.38E-03	0.001961	0.000	0.000	0.000
534 ALL	578066.42	4137755.57	1.99E-03	1.40E-03	0.001987	0.000	0.000	0.000
535 ALL	578049.63	4137759.24	2.11E-03	1.49E-03	0.002114	0.000	0.000	0.000
536 ALL	578040.48	4137757.64	2.22E-03	1.56E-03	0.002222	0.000	0.000	0.000
537 ALL	578031.34	4137756.04	2.34E-03	1.65E-03	0.002339	0.000	0.000	0.000
538 ALL	578022.19	4137754.44	2.46E-03	1.73E-03	0.002464	0.000	0.000	0.000
539 ALL	578013.04	4137752.83	2.60E-03	1.83E-03	0.002598	0.000	0.000	0.000
540 ALL	578003.9	4137751.23	2.74E-03	1.93E-03	0.00274	0.000	0.000	0.000
541 ALL	577994.75	4137749.63	2.89E-03	2.03E-03	0.002891	0.000	0.000	0.000
542 ALL	577985.61	4137748.03	3.05E-03	2.14E-03	0.003049	0.000	0.000	0.000
543 ALL	577976.46	4137746.43	3.21E-03	2.26E-03	0.003212	0.000	0.000	0.000
544 ALL	577967.31	4137744.82	3.38E-03	2.38E-03	0.00338	0.000	0.000	0.000
545 ALL	577958.17	4137743.22	3.55E-03	2.50E-03	0.00355	0.000	0.000	0.000
546 ALL	577949.02	4137741.62	3.72E-03	2.62E-03	0.003722	0.000	0.000	0.000
547 ALL	577939.88	4137740.02	3.90E-03	2.74E-03	0.003899	0.001	0.000	0.001
548 ALL	577930.73	4137738.41	4.08E-03	2.87E-03	0.004083	0.001	0.000	0.001
549 ALL	577921.58	4137736.81	4.27E-03	3.00E-03	0.004271	0.001	0.000	0.001
550 ALL	577912.44	4137735.21	4.46E-03	3.14E-03	0.004462	0.001	0.000	0.001
551 ALL	577903.29	4137733.61	4.65E-03	3.27E-03	0.004653	0.001	0.000	0.001
552 ALL	577894.15	4137732.01	4.85E-03	3.41E-03	0.004846	0.001	0.000	0.001
553 ALL	577885	4137730.4	5.04E-03	3.54E-03	0.005041	0.001	0.001	0.001
554 ALL	577875.85	4137728.8	5.24E-03	3.68E-03	0.005238	0.001	0.001	0.001
555 ALL	577866.71	4137727.2	5.43E-03	3.82E-03	0.005433	0.001	0.001	0.001
556 ALL	577857.56	4137725.6	5.63E-03	3.96E-03	0.005627	0.001	0.001	0.001
557 ALL	577848.42	4137724	5.81E-03	4.09E-03	0.005814	0.001	0.001	0.001
558 ALL	577839.27	4137722.39	5.99E-03	4.21E-03	0.005994	0.001	0.001	0.001
559 ALL	577830.12	4137720.79	6.16E-03	4.33E-03	0.006162	0.001	0.001	0.001
560 ALL	577820.98	4137719.19	6.32E-03	4.44E-03	0.006317	0.001	0.001	0.001
561 ALL	578265.13	4137618.47	2.21E-03	1.55E-03	0.002211	0.000	0.000	0.000
562 ALL	578270.27	4137610.6	2.33E-03	1.64E-03	0.002334	0.000	0.000	0.000
563 ALL	578275.4	4137602.72	2.47E-03	1.74E-03	0.002468	0.000	0.000	0.000
564 ALL	578280.54	4137594.85	2.61E-03	1.84E-03	0.002613	0.000	0.000	0.000
565 ALL	578285.68	4137586.97	2.77E-03	1.95E-03	0.002767	0.000	0.000	0.000
566 ALL	578290.82	4137579.1	2.93E-03	2.06E-03	0.00293	0.000	0.000	0.000
567 ALL	578295.96	4137571.22	3.10E-03	2.18E-03	0.0031	0.000	0.000	0.000
568 ALL	578301.1	4137563.35	3.28E-03	2.30E-03	0.003277	0.000	0.000	0.000
569 ALL	578337.07	4137508.23	4.53E-03	3.19E-03	0.004532	0.001	0.000	0.001
570 ALL	578342.21	4137500.35	4.69E-03	3.30E-03	0.004693	0.001	0.000	0.001
571 ALL	578273.7	4137634.18	1.98E-03	1.39E-03	0.001979	0.000	0.000	0.000
572 ALL	578266.17	4137639.37	1.92E-03	1.35E-03	0.001919	0.000	0.000	0.000
573 ALL	578258.64	4137644.57	1.86E-03	1.31E-03	0.001864	0.000	0.000	0.000
574 ALL	578251.12	4137649.76	1.81E-03	1.28E-03	0.001814	0.000	0.000	0.000
575 ALL	578243.59	4137654.96	1.77E-03	1.24E-03	0.001769	0.000	0.000	0.000

576 ALL	578236.06	4137660.15	1.73E-03	1.22E-03	0.00173	0.000	0.000	0.000
577 ALL	578228.53	4137665.35	1.70E-03	1.19E-03	0.001697	0.000	0.000	0.000
578 ALL	578221	4137670.54	1.67E-03	1.17E-03	0.00167	0.000	0.000	0.000
579 ALL	578213.47	4137675.74	1.65E-03	1.16E-03	0.001649	0.000	0.000	0.000
580 ALL	578205.94	4137680.93	1.63E-03	1.15E-03	0.001633	0.000	0.000	0.000
581 ALL	578198.41	4137686.13	1.62E-03	1.14E-03	0.001623	0.000	0.000	0.000
582 ALL	578190.88	4137691.32	1.62E-03	1.14E-03	0.001617	0.000	0.000	0.000
583 ALL	578183.35	4137696.51	1.62E-03	1.14E-03	0.001616	0.000	0.000	0.000
584 ALL	578175.82	4137701.71	1.62E-03	1.14E-03	0.001618	0.000	0.000	0.000
585 ALL	578168.29	4137706.9	1.62E-03	1.14E-03	0.001624	0.000	0.000	0.000
586 ALL	578160.76	4137712.1	1.63E-03	1.15E-03	0.001631	0.000	0.000	0.000
587 ALL	578153.23	4137717.29	1.64E-03	1.15E-03	0.001641	0.000	0.000	0.000
588 ALL	578145.7	4137722.49	1.65E-03	1.16E-03	0.001652	0.000	0.000	0.000
589 ALL	578138.18	4137727.68	1.66E-03	1.17E-03	0.001665	0.000	0.000	0.000
590 ALL	578130.65	4137732.88	1.68E-03	1.18E-03	0.001678	0.000	0.000	0.000
591 ALL	578123.12	4137738.07	1.69E-03	1.19E-03	0.001692	0.000	0.000	0.000
592 ALL	578115.59	4137743.27	1.71E-03	1.20E-03	0.001708	0.000	0.000	0.000
593 ALL	578108.06	4137748.46	1.72E-03	1.21E-03	0.001725	0.000	0.000	0.000
594 ALL	578100.53	4137753.66	1.74E-03	1.23E-03	0.001742	0.000	0.000	0.000
595 ALL	578093	4137758.85	1.76E-03	1.24E-03	0.00176	0.000	0.000	0.000
596 ALL	578085.47	4137764.05	1.78E-03	1.25E-03	0.00178	0.000	0.000	0.000
597 ALL	578077.94	4137769.24	1.80E-03	1.27E-03	0.0018	0.000	0.000	0.000
598 ALL	578070.41	4137774.44	1.82E-03	1.28E-03	0.001822	0.000	0.000	0.000
599 ALL	578053.87	4137778.05	1.93E-03	1.36E-03	0.00193	0.000	0.000	0.000
600 ALL	578044.86	4137776.48	2.02E-03	1.42E-03	0.002022	0.000	0.000	0.000
601 ALL	578035.85	4137774.9	2.12E-03	1.49E-03	0.002122	0.000	0.000	0.000
602 ALL	578026.84	4137773.32	2.23E-03	1.57E-03	0.002228	0.000	0.000	0.000
603 ALL	578017.83	4137771.74	2.34E-03	1.65E-03	0.002342	0.000	0.000	0.000
604 ALL	578008.82	4137770.16	2.46E-03	1.73E-03	0.002463	0.000	0.000	0.000
605 ALL	577999.81	4137768.58	2.59E-03	1.82E-03	0.00259	0.000	0.000	0.000
606 ALL	577990.8	4137767	2.72E-03	1.91E-03	0.002722	0.000	0.000	0.000
607 ALL	577981.79	4137765.43	2.86E-03	2.01E-03	0.002859	0.000	0.000	0.000
608 ALL	577972.78	4137763.85	3.00E-03	2.11E-03	0.003001	0.000	0.000	0.000
609 ALL	577963.77	4137762.27	3.15E-03	2.21E-03	0.003147	0.000	0.000	0.000
610 ALL	577954.76	4137760.69	3.30E-03	2.32E-03	0.003296	0.000	0.000	0.000
611 ALL	577945.75	4137759.11	3.45E-03	2.42E-03	0.003447	0.000	0.000	0.000
612 ALL	577936.74	4137757.53	3.60E-03	2.53E-03	0.003603	0.000	0.000	0.000
613 ALL	577927.73	4137755.96	3.76E-03	2.65E-03	0.003762	0.000	0.000	0.000
614 ALL	577918.72	4137754.38	3.92E-03	2.76E-03	0.003923	0.001	0.000	0.001
615 ALL	577909.71	4137752.8	4.09E-03	2.87E-03	0.004086	0.001	0.000	0.001
616 ALL	577900.7	4137751.22	4.25E-03	2.99E-03	0.004248	0.001	0.000	0.001
617 ALL	577891.69	4137749.64	4.41E-03	3.10E-03	0.004412	0.001	0.000	0.001
618 ALL	577882.68	4137748.06	4.58E-03	3.22E-03	0.00458	0.001	0.000	0.001
619 ALL	577873.67	4137746.49	4.75E-03	3.34E-03	0.00475	0.001	0.000	0.001
620 ALL	577864.66	4137744.91	4.92E-03	3.46E-03	0.004921	0.001	0.001	0.001
621 ALL	577855.65	4137743.33	5.09E-03	3.58E-03	0.005092	0.001	0.001	0.001
622 ALL	577846.64	4137741.75	5.26E-03	3.70E-03	0.00526	0.001	0.001	0.001
623 ALL	577837.62	4137740.17	5.42E-03	3.81E-03	0.005423	0.001	0.001	0.001
624 ALL	577828.61	4137738.59	5.58E-03	3.92E-03	0.005578	0.001	0.001	0.001
625 ALL	577819.6	4137737.02	5.73E-03	4.03E-03	0.005726	0.001	0.001	0.001
626 ALL	577810.59	4137735.44	5.87E-03	4.13E-03	0.005868	0.001	0.001	0.001
627 ALL	578281.23	4137628.98	2.04E-03	1.44E-03	0.002045	0.000	0.000	0.000
628 ALL	578286.37	4137621.11	2.16E-03	1.52E-03	0.002156	0.000	0.000	0.000
629 ALL	578291.51	4137613.23	2.28E-03	1.60E-03	0.002276	0.000	0.000	0.000
630 ALL	578296.65	4137605.36	2.40E-03	1.69E-03	0.002404	0.000	0.000	0.000
631 ALL	578301.79	4137597.48	2.54E-03	1.79E-03	0.00254	0.000	0.000	0.000
632 ALL	578306.93	4137589.61	2.68E-03	1.89E-03	0.002683	0.000	0.000	0.000
633 ALL	578312.06	4137581.73	2.83E-03	1.99E-03	0.002831	0.000	0.000	0.000
634 ALL	578317.2	4137573.86	2.99E-03	2.10E-03	0.002985	0.000	0.000	0.000
635 ALL	578322.34	4137565.99	3.14E-03	2.21E-03	0.003143	0.000	0.000	0.000
636 ALL	578342.9	4137534.49	3.79E-03	2.66E-03	0.003786	0.001	0.000	0.001
637 ALL	578348.04	4137526.61	3.94E-03	2.77E-03	0.003942	0.001	0.000	0.001
638 ALL	578353.17	4137518.74	4.09E-03	2.88E-03	0.004093	0.001	0.000	0.001
639 ALL	578358.31	4137510.86	4.24E-03	2.98E-03	0.004238	0.001	0.000	0.001

640 ALL	578080.44	4137309.14	1.17E-01	8.26E-02	0.11743	0.016	0.012	0.016
641 ALL	578068.33	4137297.77	1.53E-01	1.08E-01	0.15297	0.020	0.016	0.020
642 ALL	578060.56	4137292.72	1.72E-01	1.21E-01	0.172	0.023	0.018	0.023
643 ALL	578052.79	4137287.66	1.82E-01	1.28E-01	0.18185	0.024	0.019	0.024
644 ALL	578045.02	4137282.61	1.80E-01	1.27E-01	0.18006	0.024	0.018	0.024
645 ALL	578085.89	4137300.76	1.02E-01	7.20E-02	0.10245	0.014	0.010	0.014
646 ALL	578093.14	4137320.92	8.58E-02	6.04E-02	0.085822	0.011	0.009	0.011
647 ALL	578073.78	4137289.39	1.27E-01	8.91E-02	0.12672	0.017	0.013	0.017
648 ALL	578066.01	4137284.33	1.40E-01	9.82E-02	0.13959	0.019	0.014	0.019
649 ALL	578058.24	4137279.28	1.47E-01	1.03E-01	0.14661	0.019	0.015	0.019
650 ALL	578050.47	4137274.22	1.46E-01	1.03E-01	0.14649	0.019	0.015	0.019
651 ALL	578091.34	4137292.37	8.98E-02	6.31E-02	0.089785	0.012	0.009	0.012
652 ALL	578100	4137305.01	7.62E-02	5.36E-02	0.07624	0.010	0.008	0.010
653 ALL	578102.93	4137318.86	7.09E-02	4.98E-02	0.070857	0.009	0.007	0.009
654 ALL	578079.23	4137281	1.07E-01	7.52E-02	0.10693	0.014	0.011	0.014
655 ALL	578071.46	4137275.95	1.16E-01	8.15E-02	0.11586	0.015	0.012	0.015
656 ALL	578063.69	4137270.89	1.21E-01	8.51E-02	0.12104	0.016	0.012	0.016
657 ALL	578055.92	4137265.84	1.22E-01	8.56E-02	0.12166	0.016	0.012	0.016
658 ALL	578096.79	4137283.99	7.92E-02	5.57E-02	0.079157	0.011	0.008	0.011
659 ALL	578105.46	4137296.63	6.89E-02	4.85E-02	0.068933	0.009	0.007	0.009
660 ALL	578112.71	4137316.79	5.97E-02	4.20E-02	0.059685	0.008	0.006	0.008
661 ALL	578109.89	4137331.85	6.05E-02	4.26E-02	0.060541	0.008	0.006	0.008
662 ALL	578118.71	4137299.62	5.50E-02	3.87E-02	0.054977	0.007	0.006	0.007
663 ALL	578122.21	4137316.23	5.12E-02	3.60E-02	0.05123	0.007	0.005	0.007
664 ALL	578120.52	4137325.27	5.18E-02	3.65E-02	0.051845	0.007	0.005	0.007
665 ALL	578108.42	4137268.28	6.23E-02	4.38E-02	0.062279	0.008	0.006	0.008
666 ALL	578095.59	4137255.85	6.95E-02	4.89E-02	0.069524	0.009	0.007	0.009
667 ALL	578087.82	4137250.8	7.33E-02	5.15E-02	0.073282	0.010	0.007	0.010
668 ALL	578080.04	4137245.74	7.57E-02	5.33E-02	0.075724	0.010	0.008	0.010
669 ALL	578072.27	4137240.69	7.66E-02	5.39E-02	0.076622	0.010	0.008	0.010
670 ALL	578113.76	4137259.74	5.60E-02	3.94E-02	0.056029	0.007	0.006	0.007
671 ALL	578123.67	4137274.19	5.06E-02	3.56E-02	0.050586	0.007	0.005	0.007
672 ALL	578138.64	4137328.89	3.98E-02	2.80E-02	0.039844	0.005	0.004	0.005
673 ALL	578135.42	4137346.1	3.96E-02	2.78E-02	0.039603	0.005	0.004	0.005
674 ALL	578101.04	4137247.47	6.15E-02	4.32E-02	0.061453	0.008	0.006	0.008
675 ALL	578093.27	4137242.42	6.44E-02	4.53E-02	0.064446	0.009	0.007	0.009
676 ALL	578085.5	4137237.36	6.64E-02	4.67E-02	0.066429	0.009	0.007	0.009
677 ALL	578077.72	4137232.31	6.73E-02	4.73E-02	0.067271	0.009	0.007	0.009
678 ALL	578119.14	4137251.25	5.05E-02	3.55E-02	0.050545	0.007	0.005	0.007
679 ALL	578128.89	4137265.46	4.65E-02	3.27E-02	0.04647	0.006	0.005	0.006
680 ALL	578138.64	4137279.68	4.13E-02	2.91E-02	0.041315	0.005	0.004	0.005
681 ALL	578148.5	4137326.42	3.54E-02	2.49E-02	0.035358	0.005	0.004	0.005
682 ALL	578145.33	4137343.36	3.54E-02	2.49E-02	0.035378	0.005	0.004	0.005
683 ALL	578106.49	4137239.09	5.48E-02	3.85E-02	0.054773	0.007	0.006	0.007
684 ALL	578098.72	4137234.03	5.72E-02	4.02E-02	0.057178	0.008	0.006	0.008
685 ALL	578090.95	4137228.98	5.88E-02	4.14E-02	0.058824	0.008	0.006	0.008
686 ALL	578083.18	4137223.92	5.96E-02	4.19E-02	0.059607	0.008	0.006	0.008
687 ALL	578124.53	4137242.78	4.58E-02	3.22E-02	0.045815	0.006	0.005	0.006
688 ALL	578134.16	4137256.82	4.28E-02	3.01E-02	0.042758	0.006	0.004	0.006
689 ALL	578143.79	4137270.86	3.86E-02	2.71E-02	0.038576	0.005	0.004	0.005
690 ALL	578161.48	4137307.3	3.09E-02	2.18E-02	0.030934	0.004	0.003	0.004
691 ALL	578158.34	4137324.04	3.16E-02	2.22E-02	0.031633	0.004	0.003	0.004
692 ALL	578155.21	4137340.77	3.18E-02	2.24E-02	0.031798	0.004	0.003	0.004
693 ALL	578152.08	4137357.51	3.11E-02	2.19E-02	0.03112	0.004	0.003	0.004
694 ALL	578111.94	4137230.7	4.92E-02	3.46E-02	0.049171	0.007	0.005	0.007
695 ALL	578104.17	4137225.65	5.12E-02	3.60E-02	0.051151	0.007	0.005	0.007
696 ALL	578096.4	4137220.59	5.26E-02	3.70E-02	0.052557	0.007	0.005	0.007
697 ALL	578088.63	4137215.54	5.33E-02	3.75E-02	0.053267	0.007	0.005	0.007
698 ALL	578150.86	4137249.77	3.47E-02	2.44E-02	0.034718	0.005	0.004	0.005
699 ALL	578156.03	4137257.3	3.31E-02	2.33E-02	0.033082	0.004	0.003	0.004
700 ALL	578171.53	4137279.9	2.80E-02	1.97E-02	0.028004	0.004	0.003	0.004
701 ALL	578176.69	4137287.43	2.65E-02	1.86E-02	0.026494	0.004	0.003	0.004
702 ALL	578180.18	4137303.94	2.55E-02	1.79E-02	0.025461	0.003	0.003	0.003
703 ALL	578178.5	4137312.92	2.58E-02	1.81E-02	0.025797	0.003	0.003	0.003

704 ALL	578171.77	4137348.84	2.62E-02	1.84E-02	0.026212	0.003	0.003	0.003
705 ALL	578170.09	4137357.81	2.59E-02	1.82E-02	0.0259	0.003	0.003	0.003
706 ALL	578168.41	4137366.79	2.54E-02	1.78E-02	0.025376	0.003	0.003	0.003
707 ALL	578099.11	4137199.42	4.37E-02	3.08E-02	0.043736	0.006	0.004	0.006
708 ALL	578091.34	4137194.36	4.38E-02	3.08E-02	0.043831	0.006	0.004	0.006
709 ALL	578145.68	4137210.8	3.28E-02	2.30E-02	0.032771	0.004	0.003	0.004
710 ALL	578155.68	4137225.38	3.14E-02	2.21E-02	0.031359	0.004	0.003	0.004
711 ALL	578199.05	4137299.68	2.14E-02	1.50E-02	0.021361	0.003	0.002	0.003
712 ALL	578195.8	4137317.06	2.19E-02	1.54E-02	0.021885	0.003	0.002	0.003
713 ALL	578189.29	4137351.81	2.21E-02	1.56E-02	0.022121	0.003	0.002	0.003
714 ALL	578186.04	4137369.19	2.15E-02	1.51E-02	0.021467	0.003	0.002	0.003
715 ALL	578132.91	4137198.46	3.44E-02	2.42E-02	0.034406	0.005	0.004	0.005
716 ALL	578125.14	4137193.4	3.54E-02	2.49E-02	0.035421	0.005	0.004	0.005
717 ALL	578117.37	4137188.35	3.62E-02	2.54E-02	0.036176	0.005	0.004	0.005
718 ALL	578109.6	4137183.3	3.66E-02	2.58E-02	0.036636	0.005	0.004	0.005
719 ALL	578101.82	4137178.24	3.68E-02	2.59E-02	0.036783	0.005	0.004	0.005
720 ALL	578156.05	4137194.51	2.83E-02	1.99E-02	0.028325	0.004	0.003	0.004
721 ALL	578165.81	4137208.74	2.74E-02	1.93E-02	0.027411	0.004	0.003	0.004
722 ALL	578175.57	4137222.97	2.60E-02	1.83E-02	0.025975	0.003	0.003	0.003
723 ALL	578195.09	4137251.44	2.22E-02	1.56E-02	0.022231	0.003	0.002	0.003
724 ALL	578214.73	4137312.47	1.87E-02	1.31E-02	0.018676	0.002	0.002	0.002
725 ALL	578211.55	4137329.43	1.90E-02	1.34E-02	0.019004	0.003	0.002	0.003
726 ALL	578205.2	4137363.36	1.88E-02	1.32E-02	0.018761	0.002	0.002	0.002
727 ALL	578202.03	4137380.32	1.80E-02	1.27E-02	0.018005	0.002	0.002	0.002
728 ALL	578143.39	4137182.34	2.95E-02	2.07E-02	0.029476	0.004	0.003	0.004
729 ALL	578135.62	4137177.28	3.02E-02	2.13E-02	0.030238	0.004	0.003	0.004
730 ALL	578166.76	4137178.72	2.47E-02	1.74E-02	0.024712	0.003	0.003	0.003
731 ALL	578187.2	4137208.53	2.29E-02	1.61E-02	0.022937	0.003	0.002	0.003
732 ALL	578202.53	4137230.89	2.07E-02	1.45E-02	0.020688	0.003	0.002	0.003
733 ALL	578212.76	4137245.79	1.90E-02	1.34E-02	0.019037	0.003	0.002	0.003
734 ALL	578217.87	4137253.24	1.82E-02	1.28E-02	0.018244	0.002	0.002	0.002
735 ALL	578222.98	4137260.69	1.75E-02	1.23E-02	0.017496	0.002	0.002	0.002
736 ALL	578228.09	4137268.15	1.68E-02	1.18E-02	0.016803	0.002	0.002	0.002
737 ALL	578236.65	4137291.93	1.58E-02	1.11E-02	0.015789	0.002	0.002	0.002
738 ALL	578229.99	4137327.46	1.65E-02	1.16E-02	0.016507	0.002	0.002	0.002
739 ALL	578226.67	4137345.22	1.66E-02	1.17E-02	0.016601	0.002	0.002	0.002
740 ALL	578223.34	4137362.99	1.64E-02	1.15E-02	0.016379	0.002	0.002	0.002
741 ALL	578220.02	4137380.75	1.58E-02	1.11E-02	0.015778	0.002	0.002	0.002
742 ALL	578218.36	4137389.63	1.53E-02	1.08E-02	0.015335	0.002	0.002	0.002
743 ALL	578161.65	4137171.27	2.49E-02	1.75E-02	0.024865	0.003	0.003	0.003
744 ALL	578153.88	4137166.22	2.56E-02	1.80E-02	0.025573	0.003	0.003	0.003
745 ALL	578146.11	4137161.16	2.62E-02	1.84E-02	0.026166	0.003	0.003	0.003
746 ALL	578138.33	4137156.11	2.66E-02	1.87E-02	0.026626	0.004	0.003	0.004
747 ALL	578130.56	4137151.05	2.69E-02	1.89E-02	0.026935	0.004	0.003	0.004
748 ALL	578122.79	4137146	2.71E-02	1.90E-02	0.027088	0.004	0.003	0.004
749 ALL	578177.13	4137162.44	2.18E-02	1.53E-02	0.02178	0.003	0.002	0.003
750 ALL	578187.13	4137177.02	2.13E-02	1.50E-02	0.021337	0.003	0.002	0.003
751 ALL	578197.13	4137191.6	2.06E-02	1.45E-02	0.020567	0.003	0.002	0.003
752 ALL	578202.13	4137198.89	2.01E-02	1.41E-02	0.020068	0.003	0.002	0.003
753 ALL	578232.13	4137242.63	1.63E-02	1.15E-02	0.016296	0.002	0.002	0.002
754 ALL	578242.13	4137257.21	1.51E-02	1.06E-02	0.015111	0.002	0.002	0.002
755 ALL	578252.13	4137271.79	1.41E-02	9.91E-03	0.014095	0.002	0.001	0.002
756 ALL	578255.5	4137287.77	1.38E-02	9.72E-03	0.013827	0.002	0.001	0.002
757 ALL	578248.99	4137322.52	1.45E-02	1.02E-02	0.014463	0.002	0.001	0.002
758 ALL	578245.74	4137339.9	1.46E-02	1.03E-02	0.014602	0.002	0.001	0.002
759 ALL	578239.23	4137374.65	1.42E-02	9.96E-03	0.014165	0.002	0.001	0.002
760 ALL	578235.98	4137392.03	1.35E-02	9.50E-03	0.013516	0.002	0.001	0.002
761 ALL	578232.73	4137409.41	1.26E-02	8.87E-03	0.012608	0.002	0.001	0.002
762 ALL	578164.36	4137150.09	2.24E-02	1.58E-02	0.022431	0.003	0.002	0.003
763 ALL	578156.59	4137145.04	2.29E-02	1.61E-02	0.022896	0.003	0.002	0.003
764 ALL	578148.82	4137139.99	2.33E-02	1.64E-02	0.023264	0.003	0.002	0.003
765 ALL	578141.05	4137134.93	2.35E-02	1.65E-02	0.02352	0.003	0.002	0.003
766 ALL	578133.27	4137129.88	2.37E-02	1.66E-02	0.023652	0.003	0.002	0.003
767 ALL	578198.17	4137161.71	1.90E-02	1.34E-02	0.019025	0.003	0.002	0.003

768 ALL	578203.36	4137169.27	1.88E-02	1.32E-02	0.018758	0.002	0.002	0.002
769 ALL	578208.54	4137176.83	1.84E-02	1.30E-02	0.018419	0.002	0.002	0.002
770 ALL	578213.73	4137184.39	1.80E-02	1.27E-02	0.018015	0.002	0.002	0.002
771 ALL	578218.91	4137191.95	1.76E-02	1.23E-02	0.017553	0.002	0.002	0.002
772 ALL	578224.09	4137199.51	1.70E-02	1.20E-02	0.017049	0.002	0.002	0.002
773 ALL	578229.28	4137207.07	1.65E-02	1.16E-02	0.01651	0.002	0.002	0.002
774 ALL	578234.46	4137214.63	1.60E-02	1.12E-02	0.015952	0.002	0.002	0.002
775 ALL	578239.65	4137222.19	1.54E-02	1.08E-02	0.015386	0.002	0.002	0.002
776 ALL	578270.76	4137267.55	1.24E-02	8.75E-03	0.012444	0.002	0.001	0.002
777 ALL	578274.25	4137284.12	1.22E-02	8.61E-03	0.012238	0.002	0.001	0.002
778 ALL	578272.57	4137293.13	1.24E-02	8.72E-03	0.012401	0.002	0.001	0.002
779 ALL	578270.88	4137302.14	1.26E-02	8.83E-03	0.012558	0.002	0.001	0.002
780 ALL	578264.13	4137338.18	1.30E-02	9.11E-03	0.012954	0.002	0.001	0.002
781 ALL	578262.45	4137347.19	1.30E-02	9.11E-03	0.012951	0.002	0.001	0.002
782 ALL	578260.76	4137356.2	1.29E-02	9.07E-03	0.0129	0.002	0.001	0.002
783 ALL	578259.07	4137365.21	1.28E-02	8.99E-03	0.012789	0.002	0.001	0.002
784 ALL	578254.01	4137392.24	1.21E-02	8.50E-03	0.012085	0.002	0.001	0.002
785 ALL	578252.32	4137401.25	1.17E-02	8.25E-03	0.011732	0.002	0.001	0.002
786 ALL	578250.64	4137410.26	1.13E-02	7.96E-03	0.011326	0.002	0.001	0.002
787 ALL	578248.95	4137419.28	1.09E-02	7.65E-03	0.010875	0.001	0.001	0.001
788 ALL	578233.76	4137182.2	1.56E-02	1.10E-02	0.015632	0.002	0.002	0.002
789 ALL	578243.93	4137197.02	1.48E-02	1.04E-02	0.014781	0.002	0.002	0.002
790 ALL	578249.01	4137204.43	1.43E-02	1.01E-02	0.014322	0.002	0.001	0.002
791 ALL	578259.18	4137219.25	1.34E-02	9.42E-03	0.013395	0.002	0.001	0.002
792 ALL	578264.26	4137226.67	1.29E-02	9.10E-03	0.012946	0.002	0.001	0.002
793 ALL	578274.43	4137241.49	1.21E-02	8.51E-03	0.012107	0.002	0.001	0.002
794 ALL	578279.51	4137248.9	1.17E-02	8.25E-03	0.011732	0.002	0.001	0.002
795 ALL	578289.8	4137297.64	1.12E-02	7.87E-03	0.011195	0.001	0.001	0.001
796 ALL	578286.49	4137315.3	1.14E-02	8.04E-03	0.011431	0.002	0.001	0.002
797 ALL	578279.87	4137350.64	1.16E-02	8.14E-03	0.011573	0.002	0.001	0.002
798 ALL	578271.6	4137394.8	1.08E-02	7.59E-03	0.0108	0.001	0.001	0.001
799 ALL	578269.95	4137403.64	1.05E-02	7.39E-03	0.010506	0.001	0.001	0.001
800 ALL	578266.64	4137421.31	9.80E-03	6.89E-03	0.009804	0.001	0.001	0.001
801 ALL	578264.99	4137430.14	9.40E-03	6.61E-03	0.009404	0.001	0.001	0.001
802 ALL	578271.67	4137206.07	1.23E-02	8.66E-03	0.012309	0.002	0.001	0.002
803 ALL	578276.91	4137213.7	1.19E-02	8.38E-03	0.011912	0.002	0.001	0.002
804 ALL	578282.15	4137221.34	1.15E-02	8.11E-03	0.011527	0.002	0.001	0.002
805 ALL	578287.39	4137228.98	1.12E-02	7.85E-03	0.011159	0.001	0.001	0.001
806 ALL	578292.62	4137236.61	1.08E-02	7.60E-03	0.010814	0.001	0.001	0.001
807 ALL	578297.86	4137244.25	1.05E-02	7.38E-03	0.010496	0.001	0.001	0.001
808 ALL	578303.1	4137251.89	1.02E-02	7.18E-03	0.010203	0.001	0.001	0.001
809 ALL	578308.34	4137259.53	9.94E-03	6.99E-03	0.009936	0.001	0.001	0.001
810 ALL	578306.76	4137303.57	1.02E-02	7.16E-03	0.010187	0.001	0.001	0.001
811 ALL	578305.05	4137312.68	1.03E-02	7.23E-03	0.010286	0.001	0.001	0.001
812 ALL	578303.35	4137321.78	1.04E-02	7.29E-03	0.010365	0.001	0.001	0.001
813 ALL	578301.64	4137330.88	1.04E-02	7.33E-03	0.010418	0.001	0.001	0.001
814 ALL	578286.31	4137412.8	9.27E-03	6.52E-03	0.009266	0.001	0.001	0.001
815 ALL	578284.6	4137421.91	8.95E-03	6.29E-03	0.008951	0.001	0.001	0.001
816 ALL	578282.9	4137431.01	8.61E-03	6.05E-03	0.008609	0.001	0.001	0.001
817 ALL	578203.59	4137106.78	1.57E-02	1.10E-02	0.01565	0.002	0.002	0.002
818 ALL	578195.81	4137101.73	1.59E-02	1.12E-02	0.015944	0.002	0.002	0.002
819 ALL	578188.04	4137096.67	1.62E-02	1.14E-02	0.016192	0.002	0.002	0.002
820 ALL	578180.27	4137091.62	1.64E-02	1.15E-02	0.016393	0.002	0.002	0.002
821 ALL	578172.5	4137086.57	1.65E-02	1.16E-02	0.016541	0.002	0.002	0.002
822 ALL	578219.21	4137098.16	1.42E-02	9.96E-03	0.014169	0.002	0.001	0.002
823 ALL	578224.36	4137105.66	1.41E-02	9.93E-03	0.014117	0.002	0.001	0.002
824 ALL	578229.5	4137113.16	1.40E-02	9.86E-03	0.014027	0.002	0.001	0.002
825 ALL	578234.65	4137120.67	1.39E-02	9.78E-03	0.013902	0.002	0.001	0.002
826 ALL	578239.79	4137128.17	1.37E-02	9.66E-03	0.013744	0.002	0.001	0.002
827 ALL	578306.67	4137225.68	9.95E-03	7.00E-03	0.009954	0.001	0.001	0.001
828 ALL	578311.81	4137233.19	9.68E-03	6.80E-03	0.009677	0.001	0.001	0.001
829 ALL	578316.96	4137240.69	9.42E-03	6.62E-03	0.009421	0.001	0.001	0.001
830 ALL	578322.1	4137248.19	9.19E-03	6.46E-03	0.009186	0.001	0.001	0.001
831 ALL	578327.25	4137255.69	8.97E-03	6.31E-03	0.008969	0.001	0.001	0.001

832 ALL	578330.72	4137272.13	8.88E-03	6.24E-03	0.00888	0.001	0.001	0.001
833 ALL	578320.67	4137325.78	9.43E-03	6.63E-03	0.009427	0.001	0.001	0.001
834 ALL	578319	4137334.72	9.46E-03	6.65E-03	0.00946	0.001	0.001	0.001
835 ALL	578317.33	4137343.66	9.47E-03	6.66E-03	0.009467	0.001	0.001	0.001
836 ALL	578303.93	4137415.18	8.42E-03	5.92E-03	0.008424	0.001	0.001	0.001
837 ALL	578300.59	4137433.06	7.88E-03	5.54E-03	0.007879	0.001	0.001	0.001
838 ALL	578298.91	4137442	7.57E-03	5.33E-03	0.007575	0.001	0.001	0.001
839 ALL	578214.07	4137090.66	1.42E-02	9.97E-03	0.014183	0.002	0.001	0.002
840 ALL	578206.3	4137085.61	1.44E-02	1.01E-02	0.014429	0.002	0.001	0.002
841 ALL	578198.53	4137080.55	1.46E-02	1.03E-02	0.014637	0.002	0.001	0.002
842 ALL	578190.75	4137075.5	1.48E-02	1.04E-02	0.014807	0.002	0.002	0.002
843 ALL	578182.98	4137070.44	1.49E-02	1.05E-02	0.014933	0.002	0.002	0.002
844 ALL	578229.62	4137081.93	1.29E-02	9.08E-03	0.012911	0.002	0.001	0.002
845 ALL	578239.75	4137096.7	1.28E-02	9.01E-03	0.012811	0.002	0.001	0.002
846 ALL	578249.88	4137111.47	1.26E-02	8.86E-03	0.012595	0.002	0.001	0.002
847 ALL	578260.02	4137126.25	1.23E-02	8.64E-03	0.012285	0.002	0.001	0.002
848 ALL	578349.56	4137268.02	8.08E-03	5.68E-03	0.008081	0.001	0.001	0.001
849 ALL	578346.26	4137285.63	8.28E-03	5.82E-03	0.008279	0.001	0.001	0.001
850 ALL	578338.02	4137329.66	8.62E-03	6.06E-03	0.008615	0.001	0.001	0.001
851 ALL	578334.72	4137347.27	8.63E-03	6.07E-03	0.008628	0.001	0.001	0.001
852 ALL	578331.43	4137364.87	8.55E-03	6.01E-03	0.008551	0.001	0.001	0.001
853 ALL	578329.78	4137373.68	8.47E-03	5.96E-03	0.008474	0.001	0.001	0.001
854 ALL	578319.89	4137426.51	7.47E-03	5.25E-03	0.007469	0.001	0.001	0.001
855 ALL	578316.59	4137444.12	6.97E-03	4.90E-03	0.006973	0.001	0.001	0.001
856 ALL	578224.55	4137074.54	1.29E-02	9.08E-03	0.012915	0.002	0.001	0.002
857 ALL	578216.78	4137069.48	1.31E-02	9.23E-03	0.013122	0.002	0.001	0.002
858 ALL	578209.01	4137064.43	1.33E-02	9.35E-03	0.013299	0.002	0.001	0.002
859 ALL	578201.24	4137059.38	1.34E-02	9.45E-03	0.013441	0.002	0.001	0.002
860 ALL	578193.47	4137054.32	1.35E-02	9.53E-03	0.013549	0.002	0.001	0.002
861 ALL	578240.23	4137065.99	1.18E-02	8.31E-03	0.01182	0.002	0.001	0.002
862 ALL	578245.42	4137073.56	1.18E-02	8.30E-03	0.011796	0.002	0.001	0.002
863 ALL	578250.61	4137081.13	1.17E-02	8.26E-03	0.011743	0.002	0.001	0.002
864 ALL	578255.8	4137088.7	1.17E-02	8.20E-03	0.011664	0.002	0.001	0.002
865 ALL	578261	4137096.27	1.16E-02	8.13E-03	0.011563	0.002	0.001	0.002
866 ALL	578266.19	4137103.84	1.14E-02	8.04E-03	0.011439	0.002	0.001	0.002
867 ALL	578271.38	4137111.41	1.13E-02	7.94E-03	0.011298	0.001	0.001	0.001
868 ALL	578302.53	4137156.83	1.01E-02	7.09E-03	0.010082	0.001	0.001	0.001
869 ALL	578307.72	4137164.4	9.83E-03	6.91E-03	0.009832	0.001	0.001	0.001
870 ALL	578312.91	4137171.97	9.58E-03	6.73E-03	0.009575	0.001	0.001	0.001
871 ALL	578318.1	4137179.54	9.32E-03	6.55E-03	0.009317	0.001	0.001	0.001
872 ALL	578364.95	4137282.32	7.58E-03	5.33E-03	0.007578	0.001	0.001	0.001
873 ALL	578363.26	4137291.34	7.66E-03	5.39E-03	0.007662	0.001	0.001	0.001
874 ALL	578361.58	4137300.36	7.74E-03	5.44E-03	0.007738	0.001	0.001	0.001
875 ALL	578359.89	4137309.39	7.80E-03	5.49E-03	0.007804	0.001	0.001	0.001
876 ALL	578358.2	4137318.41	7.86E-03	5.52E-03	0.007857	0.001	0.001	0.001
877 ALL	578349.75	4137363.52	7.85E-03	5.52E-03	0.007847	0.001	0.001	0.001
878 ALL	578348.06	4137372.55	7.78E-03	5.47E-03	0.007781	0.001	0.001	0.001
879 ALL	578346.37	4137381.57	7.69E-03	5.41E-03	0.007692	0.001	0.001	0.001
880 ALL	578344.68	4137390.59	7.58E-03	5.33E-03	0.007579	0.001	0.001	0.001
881 ALL	578342.99	4137399.61	7.44E-03	5.23E-03	0.007443	0.001	0.001	0.001
882 ALL	578341.31	4137408.64	7.28E-03	5.12E-03	0.007285	0.001	0.001	0.001
883 ALL	578339.62	4137417.66	7.11E-03	5.00E-03	0.007109	0.001	0.001	0.001
884 ALL	578337.93	4137426.68	6.92E-03	4.86E-03	0.006915	0.001	0.001	0.001
885 ALL	578336.24	4137435.71	6.70E-03	4.71E-03	0.006705	0.001	0.001	0.001
886 ALL	578334.55	4137444.73	6.48E-03	4.56E-03	0.006481	0.001	0.001	0.001
887 ALL	578332.86	4137453.75	6.25E-03	4.39E-03	0.006246	0.001	0.001	0.001
888 ALL	578235.04	4137058.42	1.18E-02	8.31E-03	0.011818	0.002	0.001	0.002
889 ALL	578227.26	4137053.36	1.20E-02	8.43E-03	0.011993	0.002	0.001	0.002
890 ALL	578219.49	4137048.31	1.21E-02	8.54E-03	0.012143	0.002	0.001	0.002
891 ALL	578211.72	4137043.25	1.23E-02	8.63E-03	0.012267	0.002	0.001	0.002
892 ALL	578203.95	4137038.2	1.24E-02	8.69E-03	0.012363	0.002	0.001	0.002
893 ALL	578250.64	4137049.76	1.09E-02	7.64E-03	0.010863	0.001	0.001	0.001
894 ALL	578255.76	4137057.22	1.08E-02	7.63E-03	0.010846	0.001	0.001	0.001
895 ALL	578260.88	4137064.69	1.08E-02	7.60E-03	0.010808	0.001	0.001	0.001

896	ALL	578265.99	4137072.15	1.08E-02	7.56E-03	0.010751	0.001	0.001	0.001
897	ALL	578276.23	4137087.08	1.06E-02	7.44E-03	0.010577	0.001	0.001	0.001
898	ALL	578281.35	4137094.54	1.05E-02	7.36E-03	0.010463	0.001	0.001	0.001
899	ALL	578286.47	4137102	1.03E-02	7.27E-03	0.010333	0.001	0.001	0.001
900	ALL	578291.59	4137109.47	1.02E-02	7.16E-03	0.010189	0.001	0.001	0.001
901	ALL	578296.71	4137116.93	1.00E-02	7.06E-03	0.010033	0.001	0.001	0.001
902	ALL	578301.82	4137124.39	9.86E-03	6.94E-03	0.009863	0.001	0.001	0.001
903	ALL	578312.06	4137139.32	9.48E-03	6.67E-03	0.009484	0.001	0.001	0.001
904	ALL	578317.18	4137146.79	9.28E-03	6.52E-03	0.009276	0.001	0.001	0.001
905	ALL	578322.3	4137154.25	9.06E-03	6.37E-03	0.009061	0.001	0.001	0.001
906	ALL	578327.42	4137161.71	8.84E-03	6.22E-03	0.00884	0.001	0.001	0.001
907	ALL	578332.53	4137169.18	8.62E-03	6.06E-03	0.008617	0.001	0.001	0.001
908	ALL	578337.65	4137176.64	8.39E-03	5.90E-03	0.008395	0.001	0.001	0.001
909	ALL	578347.89	4137191.57	7.97E-03	5.60E-03	0.007967	0.001	0.001	0.001
910	ALL	578353.01	4137199.03	7.77E-03	5.46E-03	0.007767	0.001	0.001	0.001
911	ALL	578378.85	4137304.65	7.17E-03	5.04E-03	0.007167	0.001	0.001	0.001
912	ALL	578375.51	4137322.44	7.26E-03	5.10E-03	0.007255	0.001	0.001	0.001
913	ALL	578372.18	4137340.23	7.29E-03	5.12E-03	0.007286	0.001	0.001	0.001
914	ALL	578355.53	4137429.19	6.38E-03	4.48E-03	0.006376	0.001	0.001	0.001
915	ALL	578352.2	4137446.98	6.00E-03	4.22E-03	0.006002	0.001	0.001	0.001
916	ALL	578350.53	4137455.88	5.80E-03	4.08E-03	0.005799	0.001	0.001	0.001
917	ALL	578245.52	4137042.29	1.09E-02	7.64E-03	0.010859	0.001	0.001	0.001
918	ALL	578237.75	4137037.24	1.10E-02	7.74E-03	0.011012	0.001	0.001	0.001
919	ALL	578229.98	4137032.19	1.11E-02	7.84E-03	0.011142	0.001	0.001	0.001
920	ALL	578222.2	4137027.13	1.13E-02	7.91E-03	0.011251	0.001	0.001	0.001
921	ALL	578214.43	4137022.08	1.13E-02	7.97E-03	0.011336	0.002	0.001	0.002
922	ALL	578206.66	4137017.02	1.14E-02	8.01E-03	0.011395	0.002	0.001	0.002
923	ALL	578261.23	4137033.8	1.00E-02	7.05E-03	0.010025	0.001	0.001	0.001
924	ALL	578266.46	4137041.42	1.00E-02	7.04E-03	0.010011	0.001	0.001	0.001
925	ALL	578271.69	4137049.05	9.98E-03	7.02E-03	0.009979	0.001	0.001	0.001
926	ALL	578276.92	4137056.67	9.93E-03	6.98E-03	0.009932	0.001	0.001	0.001
927	ALL	578282.15	4137064.3	9.87E-03	6.94E-03	0.009867	0.001	0.001	0.001
928	ALL	578287.38	4137071.92	9.79E-03	6.88E-03	0.009787	0.001	0.001	0.001
929	ALL	578292.61	4137079.55	9.69E-03	6.82E-03	0.009691	0.001	0.001	0.001
930	ALL	578297.84	4137087.17	9.58E-03	6.74E-03	0.009579	0.001	0.001	0.001
931	ALL	578303.07	4137094.8	9.45E-03	6.65E-03	0.009454	0.001	0.001	0.001
932	ALL	578308.3	4137102.43	9.32E-03	6.55E-03	0.009317	0.001	0.001	0.001
933	ALL	578313.53	4137110.05	9.17E-03	6.45E-03	0.009169	0.001	0.001	0.001
934	ALL	578318.76	4137117.68	9.01E-03	6.34E-03	0.00901	0.001	0.001	0.001
935	ALL	578323.99	4137125.3	8.84E-03	6.22E-03	0.008841	0.001	0.001	0.001
936	ALL	578329.21	4137132.93	8.66E-03	6.09E-03	0.008661	0.001	0.001	0.001
937	ALL	578334.44	4137140.55	8.47E-03	5.96E-03	0.008472	0.001	0.001	0.001
938	ALL	578339.67	4137148.18	8.28E-03	5.82E-03	0.008276	0.001	0.001	0.001
939	ALL	578344.9	4137155.8	8.08E-03	5.68E-03	0.008076	0.001	0.001	0.001
940	ALL	578350.13	4137163.43	7.87E-03	5.54E-03	0.007874	0.001	0.001	0.001
941	ALL	578355.36	4137171.05	7.68E-03	5.40E-03	0.007675	0.001	0.001	0.001
942	ALL	578360.59	4137178.68	7.48E-03	5.26E-03	0.007481	0.001	0.001	0.001
943	ALL	578365.82	4137186.3	7.30E-03	5.13E-03	0.007296	0.001	0.001	0.001
944	ALL	578371.05	4137193.93	7.12E-03	5.01E-03	0.00712	0.001	0.001	0.001
945	ALL	578376.28	4137201.55	6.96E-03	4.89E-03	0.006957	0.001	0.001	0.001
946	ALL	578381.51	4137209.18	6.81E-03	4.79E-03	0.006806	0.001	0.001	0.001
947	ALL	578386.74	4137216.8	6.67E-03	4.69E-03	0.006666	0.001	0.001	0.001
948	ALL	578405.95	4137256.39	6.28E-03	4.42E-03	0.006279	0.001	0.001	0.001
949	ALL	578394.04	4137320.01	6.70E-03	4.71E-03	0.006702	0.001	0.001	0.001
950	ALL	578392.34	4137329.1	6.73E-03	4.73E-03	0.006726	0.001	0.001	0.001
951	ALL	578390.64	4137338.19	6.74E-03	4.74E-03	0.006736	0.001	0.001	0.001
952	ALL	578388.94	4137347.28	6.73E-03	4.73E-03	0.00673	0.001	0.001	0.001
953	ALL	578387.24	4137356.36	6.71E-03	4.72E-03	0.006708	0.001	0.001	0.001
954	ALL	578385.54	4137365.45	6.67E-03	4.69E-03	0.00667	0.001	0.001	0.001
955	ALL	578383.83	4137374.54	6.62E-03	4.65E-03	0.006616	0.001	0.001	0.001
956	ALL	578382.13	4137383.63	6.54E-03	4.60E-03	0.006544	0.001	0.001	0.001
957	ALL	578365.12	4137474.51	5.05E-03	3.55E-03	0.005052	0.001	0.001	0.001
958	ALL	578363.42	4137483.6	4.85E-03	3.41E-03	0.004852	0.001	0.000	0.001
959	ALL	578361.72	4137492.69	4.65E-03	3.27E-03	0.004649	0.001	0.000	0.001



960 ALL	578360.01	4137501.77	4.44E-03	3.12E-03	0.004444	0.001	0.000	0.001
961 ALL	578256	4137026.17	1.00E-02	7.05E-03	0.010019	0.001	0.001	0.001
962 ALL	578248.23	4137021.12	1.01E-02	7.14E-03	0.010149	0.001	0.001	0.001
963 ALL	578240.46	4137016.06	1.03E-02	7.22E-03	0.010261	0.001	0.001	0.001
964 ALL	578232.69	4137011.01	1.04E-02	7.28E-03	0.010358	0.001	0.001	0.001
965 ALL	578224.92	4137005.96	1.04E-02	7.34E-03	0.010434	0.001	0.001	0.001
966 ALL	578217.14	4137000.9	1.05E-02	7.38E-03	0.010489	0.001	0.001	0.001
967 ALL	578015.92	4137279.05	1.49E-01	1.05E-01	0.14912	0.020	0.015	0.020
968 ALL	578004.43	4137291.25	1.49E-01	1.04E-01	0.14857	0.020	0.015	0.020
969 ALL	577999.25	4137299.15	1.48E-01	1.04E-01	0.14763	0.020	0.015	0.020
970 ALL	577994.07	4137307.05	1.45E-01	1.02E-01	0.14454	0.019	0.015	0.019
971 ALL	577988.89	4137314.95	1.41E-01	9.90E-02	0.14076	0.019	0.014	0.019
972 ALL	577983.71	4137322.86	1.37E-01	9.60E-02	0.13654	0.018	0.014	0.018
973 ALL	577978.53	4137330.76	1.31E-01	9.25E-02	0.13147	0.017	0.013	0.017
974 ALL	577973.35	4137338.66	1.25E-01	8.81E-02	0.12523	0.017	0.013	0.017
975 ALL	577968.16	4137346.56	1.17E-01	8.26E-02	0.11747	0.016	0.012	0.016
976 ALL	577962.98	4137354.46	1.08E-01	7.61E-02	0.10818	0.014	0.011	0.014
977 ALL	577957.8	4137362.36	9.71E-02	6.83E-02	0.097088	0.013	0.010	0.013
978 ALL	577952.62	4137370.26	8.46E-02	5.95E-02	0.084616	0.011	0.009	0.011
979 ALL	577947.44	4137378.16	7.19E-02	5.06E-02	0.071896	0.010	0.007	0.010
980 ALL	577942.26	4137386.06	6.10E-02	4.29E-02	0.061043	0.008	0.006	0.008
981 ALL	577937.08	4137393.96	5.41E-02	3.81E-02	0.054128	0.007	0.006	0.007
982 ALL	577931.9	4137401.86	5.12E-02	3.60E-02	0.051183	0.007	0.005	0.007
983 ALL	578007.56	4137273.57	1.18E-01	8.32E-02	0.11825	0.016	0.012	0.016
984 ALL	578027.68	4137266.36	1.30E-01	9.15E-02	0.13009	0.017	0.013	0.017
985 ALL	577996.07	4137285.77	1.13E-01	7.98E-02	0.11344	0.015	0.012	0.015
986 ALL	577990.89	4137293.67	1.11E-01	7.84E-02	0.11145	0.015	0.011	0.015
987 ALL	577985.71	4137301.57	1.08E-01	7.59E-02	0.10792	0.014	0.011	0.014
988 ALL	577980.53	4137309.47	1.04E-01	7.28E-02	0.10357	0.014	0.011	0.014
989 ALL	577975.35	4137317.37	9.87E-02	6.94E-02	0.098734	0.013	0.010	0.013
990 ALL	577970.17	4137325.27	9.30E-02	6.54E-02	0.093027	0.012	0.009	0.012
991 ALL	577964.98	4137333.17	8.67E-02	6.09E-02	0.086662	0.011	0.009	0.011
992 ALL	577959.8	4137341.07	7.96E-02	5.60E-02	0.079642	0.011	0.008	0.011
993 ALL	577954.62	4137348.97	7.19E-02	5.06E-02	0.071922	0.010	0.007	0.010
994 ALL	577949.44	4137356.87	6.36E-02	4.48E-02	0.063639	0.008	0.006	0.008
995 ALL	577944.26	4137364.78	5.53E-02	3.89E-02	0.05527	0.007	0.006	0.007
996 ALL	577939.08	4137372.68	4.77E-02	3.35E-02	0.047702	0.006	0.005	0.006
997 ALL	577933.9	4137380.58	4.20E-02	2.95E-02	0.04198	0.006	0.004	0.006
998 ALL	577928.71	4137388.48	3.86E-02	2.71E-02	0.03858	0.005	0.004	0.005
999 ALL	577923.53	4137396.38	3.72E-02	2.61E-02	0.037151	0.005	0.004	0.005
1000 ALL	577999.2	4137268.08	9.44E-02	6.64E-02	0.094429	0.013	0.010	0.013
1001 ALL	578011.82	4137259.48	9.98E-02	7.02E-02	0.09979	0.013	0.010	0.013
1002 ALL	578025.63	4137256.58	1.08E-01	7.57E-02	0.10764	0.014	0.011	0.014
1003 ALL	577987.71	4137280.28	8.84E-02	6.22E-02	0.088417	0.012	0.009	0.012
1004 ALL	577982.53	4137288.19	8.60E-02	6.05E-02	0.086003	0.011	0.009	0.011
1005 ALL	577977.35	4137296.09	8.25E-02	5.80E-02	0.082486	0.011	0.008	0.011
1006 ALL	577972.17	4137303.99	7.82E-02	5.50E-02	0.078246	0.010	0.008	0.010
1007 ALL	577966.98	4137311.89	7.35E-02	5.17E-02	0.07348	0.010	0.007	0.010
1008 ALL	577961.8	4137319.79	6.82E-02	4.79E-02	0.068168	0.009	0.007	0.009
1009 ALL	577956.62	4137327.69	6.24E-02	4.39E-02	0.062377	0.008	0.006	0.008
1010 ALL	577951.44	4137335.59	5.63E-02	3.96E-02	0.05633	0.007	0.006	0.007
1011 ALL	577946.26	4137343.49	5.02E-02	3.53E-02	0.050156	0.007	0.005	0.007
1012 ALL	577941.08	4137351.39	4.40E-02	3.10E-02	0.044017	0.006	0.004	0.006
1013 ALL	577935.9	4137359.29	3.83E-02	2.69E-02	0.038311	0.005	0.004	0.005
1014 ALL	577930.72	4137367.19	3.36E-02	2.37E-02	0.033633	0.004	0.003	0.004
1015 ALL	577925.53	4137375.09	3.03E-02	2.13E-02	0.030308	0.004	0.003	0.004
1016 ALL	577920.35	4137382.99	2.84E-02	2.00E-02	0.028403	0.004	0.003	0.004
1017 ALL	577915.17	4137390.89	2.77E-02	1.94E-02	0.02765	0.004	0.003	0.004
1018 ALL	577990.84	4137262.6	7.64E-02	5.37E-02	0.076391	0.010	0.008	0.010
1019 ALL	578003.45	4137253.99	8.27E-02	5.81E-02	0.082674	0.011	0.008	0.011
1020 ALL	578023.57	4137246.79	9.04E-02	6.36E-02	0.090438	0.012	0.009	0.012
1021 ALL	578038.59	4137249.6	9.95E-02	7.00E-02	0.099531	0.013	0.010	0.013
1022 ALL	577998.88	4137245.93	7.02E-02	4.94E-02	0.070193	0.009	0.007	0.009
1023 ALL	578006.45	4137240.76	7.17E-02	5.04E-02	0.071697	0.010	0.007	0.010

1024 ALL	578023.02	4137237.28	7.81E-02	5.49E-02	0.078091	0.010	0.008	0.010
1025 ALL	578035.64	4137220.84	6.54E-02	4.60E-02	0.065368	0.009	0.007	0.009
1026 ALL	578052.8	4137224.05	6.84E-02	4.81E-02	0.068438	0.009	0.007	0.009
1027 ALL	578050.07	4137214.13	6.09E-02	4.28E-02	0.060851	0.008	0.006	0.008
1028 ALL	578047.5	4137204.25	5.43E-02	3.82E-02	0.05431	0.007	0.006	0.007
1029 ALL	578064.18	4137207.37	5.51E-02	3.87E-02	0.055086	0.007	0.006	0.007
1030 ALL	577934.16	4137223.8	2.35E-02	1.65E-02	0.02349	0.003	0.002	0.003
1031 ALL	578055.54	4137187.67	4.55E-02	3.20E-02	0.045502	0.006	0.005	0.006
1032 ALL	578064.49	4137189.34	4.58E-02	3.22E-02	0.045823	0.006	0.005	0.006
1033 ALL	578073.44	4137191.02	4.56E-02	3.21E-02	0.045635	0.006	0.005	0.006
1034 ALL	578082.39	4137192.69	4.50E-02	3.16E-02	0.044952	0.006	0.005	0.006
1035 ALL	577926.64	4137228.93	2.14E-02	1.51E-02	0.021426	0.003	0.002	0.003
1036 ALL	577921.46	4137236.83	2.02E-02	1.42E-02	0.020189	0.003	0.002	0.003
1037 ALL	577916.27	4137244.74	1.88E-02	1.32E-02	0.018818	0.002	0.002	0.002
1038 ALL	577911.09	4137252.64	1.74E-02	1.22E-02	0.017373	0.002	0.002	0.002
1039 ALL	577905.91	4137260.54	1.59E-02	1.12E-02	0.015933	0.002	0.002	0.002
1040 ALL	577900.73	4137268.44	1.45E-02	1.02E-02	0.014493	0.002	0.001	0.002
1041 ALL	577895.55	4137276.34	1.31E-02	9.19E-03	0.013071	0.002	0.001	0.002
1042 ALL	577890.37	4137284.24	1.17E-02	8.23E-03	0.011709	0.002	0.001	0.002
1043 ALL	577885.19	4137292.14	1.05E-02	7.35E-03	0.010456	0.001	0.001	0.001
1044 ALL	577880.01	4137300.04	9.34E-03	6.57E-03	0.009342	0.001	0.001	0.001
1045 ALL	577874.82	4137307.94	8.37E-03	5.88E-03	0.008366	0.001	0.001	0.001
1046 ALL	577869.64	4137315.84	7.54E-03	5.30E-03	0.00754	0.001	0.001	0.001
1047 ALL	577864.46	4137323.74	6.88E-03	4.84E-03	0.006878	0.001	0.001	0.001
1048 ALL	577859.28	4137331.64	6.36E-03	4.48E-03	0.006363	0.001	0.001	0.001
1049 ALL	577854.1	4137339.54	5.99E-03	4.21E-03	0.005988	0.001	0.001	0.001
1050 ALL	577848.92	4137347.44	5.75E-03	4.04E-03	0.005745	0.001	0.001	0.001
1051 ALL	577917.83	4137213.42	1.82E-02	1.28E-02	0.018168	0.002	0.002	0.002
1052 ALL	577932.39	4137203.49	2.12E-02	1.49E-02	0.021241	0.003	0.002	0.003
1053 ALL	577946.95	4137193.56	2.41E-02	1.69E-02	0.024076	0.003	0.002	0.003
1054 ALL	578058.52	4137170.15	3.85E-02	2.70E-02	0.038456	0.005	0.004	0.005
1055 ALL	578075.84	4137173.38	3.87E-02	2.72E-02	0.038733	0.005	0.004	0.005
1056 ALL	577905.37	4137226.29	1.57E-02	1.10E-02	0.015665	0.002	0.002	0.002
1057 ALL	577900.19	4137234.19	1.46E-02	1.03E-02	0.014614	0.002	0.001	0.002
1058 ALL	577895.01	4137242.09	1.35E-02	9.50E-03	0.013504	0.002	0.001	0.002
1059 ALL	577889.83	4137249.99	1.24E-02	8.70E-03	0.012368	0.002	0.001	0.002
1060 ALL	577884.65	4137257.89	1.12E-02	7.91E-03	0.011241	0.001	0.001	0.001
1061 ALL	577879.47	4137265.79	1.02E-02	7.15E-03	0.01017	0.001	0.001	0.001
1062 ALL	577874.29	4137273.69	9.16E-03	6.44E-03	0.00916	0.001	0.001	0.001
1063 ALL	577869.11	4137281.59	8.23E-03	5.79E-03	0.00823	0.001	0.001	0.001
1064 ALL	577863.92	4137289.49	7.40E-03	5.20E-03	0.007396	0.001	0.001	0.001
1065 ALL	577858.74	4137297.39	6.67E-03	4.69E-03	0.006674	0.001	0.001	0.001
1066 ALL	577853.56	4137305.3	6.05E-03	4.26E-03	0.006054	0.001	0.001	0.001
1067 ALL	577848.38	4137313.2	5.54E-03	3.90E-03	0.005539	0.001	0.001	0.001
1068 ALL	577843.2	4137321.1	5.13E-03	3.61E-03	0.005129	0.001	0.001	0.001
1069 ALL	577838.02	4137329	4.82E-03	3.39E-03	0.00482	0.001	0.000	0.001
1070 ALL	577832.84	4137336.9	4.60E-03	3.23E-03	0.0046	0.001	0.000	0.001
1071 ALL	577902.13	4137202.62	1.45E-02	1.02E-02	0.014486	0.002	0.001	0.002
1072 ALL	577909.78	4137197.4	1.58E-02	1.11E-02	0.015767	0.002	0.002	0.002
1073 ALL	577917.43	4137192.18	1.71E-02	1.20E-02	0.017061	0.002	0.002	0.002
1074 ALL	577925.08	4137186.96	1.83E-02	1.29E-02	0.018323	0.002	0.002	0.002
1075 ALL	577932.73	4137181.75	1.95E-02	1.37E-02	0.019525	0.003	0.002	0.003
1076 ALL	577940.39	4137176.53	2.06E-02	1.45E-02	0.020639	0.003	0.002	0.003
1077 ALL	577948.04	4137171.31	2.17E-02	1.52E-02	0.021672	0.003	0.002	0.003
1078 ALL	577955.69	4137166.09	2.26E-02	1.59E-02	0.022579	0.003	0.002	0.003
1079 ALL	577963.34	4137160.87	2.33E-02	1.64E-02	0.023335	0.003	0.002	0.003
1080 ALL	577970.99	4137155.65	2.39E-02	1.68E-02	0.023921	0.003	0.002	0.003
1081 ALL	577978.64	4137150.43	2.44E-02	1.71E-02	0.024367	0.003	0.002	0.003
1082 ALL	578066.78	4137153.61	3.31E-02	2.33E-02	0.033147	0.004	0.003	0.004
1083 ALL	578075.89	4137155.31	3.33E-02	2.34E-02	0.033298	0.004	0.003	0.004
1084 ALL	578084.99	4137157.01	3.32E-02	2.33E-02	0.033181	0.004	0.003	0.004
1085 ALL	578094.1	4137158.72	3.28E-02	2.31E-02	0.032808	0.004	0.003	0.004
1086 ALL	577894.48	4137207.84	1.32E-02	9.27E-03	0.013182	0.002	0.001	0.002
1087 ALL	577889.29	4137215.74	1.23E-02	8.66E-03	0.01232	0.002	0.001	0.002

1088 ALL	577884.11	4137223.64	1.14E-02	8.02E-03	0.011405	0.002	0.001	0.002
1089 ALL	577878.93	4137231.54	1.06E-02	7.42E-03	0.010552	0.001	0.001	0.001
1090 ALL	577873.75	4137239.44	9.73E-03	6.84E-03	0.009731	0.001	0.001	0.001
1091 ALL	577868.57	4137247.35	8.91E-03	6.26E-03	0.008906	0.001	0.001	0.001
1092 ALL	577863.39	4137255.25	8.10E-03	5.70E-03	0.008103	0.001	0.001	0.001
1093 ALL	577858.21	4137263.15	7.35E-03	5.17E-03	0.007352	0.001	0.001	0.001
1094 ALL	577853.02	4137271.05	6.66E-03	4.68E-03	0.006666	0.001	0.001	0.001
1095 ALL	577847.84	4137278.95	6.03E-03	4.24E-03	0.006035	0.001	0.001	0.001
1096 ALL	577842.66	4137286.85	5.48E-03	3.86E-03	0.005484	0.001	0.001	0.001
1097 ALL	577837.48	4137294.75	5.01E-03	3.52E-03	0.005009	0.001	0.001	0.001
1098 ALL	577832.3	4137302.65	4.61E-03	3.24E-03	0.004607	0.001	0.000	0.001
1099 ALL	577827.12	4137310.55	4.27E-03	3.00E-03	0.004271	0.001	0.000	0.001
1100 ALL	577821.94	4137318.45	4.00E-03	2.82E-03	0.004003	0.001	0.000	0.001
1101 ALL	577816.76	4137326.35	3.81E-03	2.68E-03	0.003811	0.001	0.000	0.001
1102 ALL	577885.83	4137192.22	1.15E-02	8.09E-03	0.011507	0.002	0.001	0.002
1103 ALL	577900.71	4137182.07	1.36E-02	9.58E-03	0.013619	0.002	0.001	0.002
1104 ALL	577915.6	4137171.92	1.57E-02	1.11E-02	0.015714	0.002	0.002	0.002
1105 ALL	577923.04	4137166.85	1.67E-02	1.17E-02	0.016662	0.002	0.002	0.002
1106 ALL	577937.92	4137156.7	1.84E-02	1.29E-02	0.018355	0.002	0.002	0.002
1107 ALL	577945.36	4137151.62	1.91E-02	1.34E-02	0.019105	0.003	0.002	0.003
1108 ALL	577960.24	4137141.47	2.03E-02	1.43E-02	0.020303	0.003	0.002	0.003
1109 ALL	577975.12	4137131.32	2.10E-02	1.48E-02	0.021039	0.003	0.002	0.003
1110 ALL	577873.21	4137205.2	9.84E-03	6.92E-03	0.009843	0.001	0.001	0.001
1111 ALL	577868.03	4137213.1	9.16E-03	6.44E-03	0.009158	0.001	0.001	0.001
1112 ALL	577862.85	4137221	8.46E-03	5.95E-03	0.008459	0.001	0.001	0.001
1113 ALL	577857.67	4137228.9	7.77E-03	5.46E-03	0.00777	0.001	0.001	0.001
1114 ALL	577852.49	4137236.8	7.14E-03	5.02E-03	0.007135	0.001	0.001	0.001
1115 ALL	577847.31	4137244.7	6.53E-03	4.59E-03	0.006533	0.001	0.001	0.001
1116 ALL	577842.12	4137252.6	5.95E-03	4.19E-03	0.005954	0.001	0.001	0.001
1117 ALL	577836.94	4137260.5	5.42E-03	3.81E-03	0.005422	0.001	0.001	0.001
1118 ALL	577831.76	4137268.4	4.95E-03	3.48E-03	0.004949	0.001	0.001	0.001
1119 ALL	577826.58	4137276.3	4.52E-03	3.18E-03	0.004521	0.001	0.000	0.001
1120 ALL	577821.4	4137284.2	4.15E-03	2.92E-03	0.004146	0.001	0.000	0.001
1121 ALL	577816.22	4137292.1	3.84E-03	2.70E-03	0.003845	0.001	0.000	0.001
1122 ALL	577811.04	4137300	3.60E-03	2.53E-03	0.003597	0.000	0.000	0.000
1123 ALL	577805.86	4137307.9	3.39E-03	2.39E-03	0.003391	0.000	0.000	0.000
1124 ALL	577800.67	4137315.81	3.23E-03	2.27E-03	0.003228	0.000	0.000	0.000
1125 ALL	577870.05	4137181.47	9.43E-03	6.63E-03	0.00943	0.001	0.001	0.001
1126 ALL	577877.78	4137176.2	1.03E-02	7.23E-03	0.010277	0.001	0.001	0.001
1127 ALL	577885.51	4137170.92	1.11E-02	7.84E-03	0.011149	0.001	0.001	0.001
1128 ALL	577893.25	4137165.65	1.20E-02	8.46E-03	0.012036	0.002	0.001	0.002
1129 ALL	577900.98	4137160.37	1.29E-02	9.09E-03	0.012924	0.002	0.001	0.002
1130 ALL	577908.71	4137155.1	1.38E-02	9.70E-03	0.013798	0.002	0.001	0.002
1131 ALL	577916.45	4137149.82	1.46E-02	1.03E-02	0.014619	0.002	0.001	0.002
1132 ALL	577924.18	4137144.55	1.54E-02	1.08E-02	0.015368	0.002	0.002	0.002
1133 ALL	577931.91	4137139.27	1.61E-02	1.13E-02	0.016072	0.002	0.002	0.002
1134 ALL	577939.65	4137134	1.67E-02	1.18E-02	0.016721	0.002	0.002	0.002
1135 ALL	577947.38	4137128.72	1.73E-02	1.22E-02	0.01728	0.002	0.002	0.002
1136 ALL	577955.11	4137123.45	1.77E-02	1.25E-02	0.01774	0.002	0.002	0.002
1137 ALL	577962.85	4137118.17	1.81E-02	1.27E-02	0.018104	0.002	0.002	0.002
1138 ALL	577970.58	4137112.9	1.84E-02	1.29E-02	0.018371	0.002	0.002	0.002
1139 ALL	577978.31	4137107.62	1.85E-02	1.30E-02	0.018539	0.002	0.002	0.002
1140 ALL	577995.25	4137104.07	1.95E-02	1.37E-02	0.019526	0.003	0.002	0.003
1141 ALL	577862.31	4137186.75	8.61E-03	6.06E-03	0.008614	0.001	0.001	0.001
1142 ALL	577857.13	4137194.65	8.08E-03	5.68E-03	0.008081	0.001	0.001	0.001
1143 ALL	577851.95	4137202.55	7.54E-03	5.30E-03	0.007537	0.001	0.001	0.001
1144 ALL	577846.77	4137210.45	6.99E-03	4.91E-03	0.006987	0.001	0.001	0.001
1145 ALL	577841.59	4137218.35	6.45E-03	4.54E-03	0.006449	0.001	0.001	0.001
1146 ALL	577836.41	4137226.25	5.93E-03	4.17E-03	0.00593	0.001	0.001	0.001
1147 ALL	577831.22	4137234.15	5.44E-03	3.83E-03	0.005443	0.001	0.001	0.001
1148 ALL	577826.04	4137242.05	4.98E-03	3.50E-03	0.00498	0.001	0.001	0.001
1149 ALL	577820.86	4137249.95	4.55E-03	3.20E-03	0.004549	0.001	0.000	0.001
1150 ALL	577815.68	4137257.86	4.16E-03	2.93E-03	0.004159	0.001	0.000	0.001
1151 ALL	577810.5	4137265.76	3.83E-03	2.69E-03	0.003828	0.001	0.000	0.001

1152 ALL	577805.32	4137273.66	3.53E-03	2.48E-03	0.003533	0.000	0.000	0.000
1153 ALL	577800.14	4137281.56	3.27E-03	2.30E-03	0.003273	0.000	0.000	0.000
1154 ALL	577794.96	4137289.46	3.06E-03	2.15E-03	0.003055	0.000	0.000	0.000
1155 ALL	577789.77	4137297.36	2.89E-03	2.03E-03	0.00289	0.000	0.000	0.000
1156 ALL	577784.59	4137305.26	2.75E-03	1.94E-03	0.002752	0.000	0.000	0.000
1157 ALL	577853.78	4137171.05	7.77E-03	5.47E-03	0.007773	0.001	0.001	0.001
1158 ALL	577861.33	4137165.91	8.44E-03	5.93E-03	0.008438	0.001	0.001	0.001
1159 ALL	577868.88	4137160.76	9.13E-03	6.42E-03	0.009128	0.001	0.001	0.001
1160 ALL	577876.42	4137155.61	9.84E-03	6.92E-03	0.009836	0.001	0.001	0.001
1161 ALL	577883.97	4137150.46	1.05E-02	7.42E-03	0.010549	0.001	0.001	0.001
1162 ALL	577891.52	4137145.31	1.13E-02	7.92E-03	0.011262	0.001	0.001	0.001
1163 ALL	577899.07	4137140.16	1.20E-02	8.41E-03	0.011957	0.002	0.001	0.002
1164 ALL	577906.62	4137135.01	1.26E-02	8.88E-03	0.012628	0.002	0.001	0.002
1165 ALL	577914.16	4137129.87	1.33E-02	9.33E-03	0.013274	0.002	0.001	0.002
1166 ALL	577921.71	4137124.72	1.39E-02	9.76E-03	0.013873	0.002	0.001	0.002
1167 ALL	577929.26	4137119.57	1.44E-02	1.01E-02	0.014429	0.002	0.001	0.002
1168 ALL	577936.81	4137114.42	1.49E-02	1.05E-02	0.014935	0.002	0.002	0.002
1169 ALL	577944.36	4137109.27	1.54E-02	1.08E-02	0.015378	0.002	0.002	0.002
1170 ALL	577951.9	4137104.12	1.57E-02	1.11E-02	0.015724	0.002	0.002	0.002
1171 ALL	577959.45	4137098.97	1.60E-02	1.13E-02	0.016002	0.002	0.002	0.002
1172 ALL	577967	4137093.83	1.62E-02	1.14E-02	0.016212	0.002	0.002	0.002
1173 ALL	577974.55	4137088.68	1.64E-02	1.15E-02	0.016352	0.002	0.002	0.002
1174 ALL	577846.23	4137176.2	7.13E-03	5.02E-03	0.007132	0.001	0.001	0.001
1175 ALL	577841.05	4137184.1	6.70E-03	4.71E-03	0.006697	0.001	0.001	0.001
1176 ALL	577835.87	4137192	6.26E-03	4.40E-03	0.006262	0.001	0.001	0.001
1177 ALL	577830.69	4137199.91	5.83E-03	4.10E-03	0.005832	0.001	0.001	0.001
1178 ALL	577825.51	4137207.81	5.41E-03	3.81E-03	0.005414	0.001	0.001	0.001
1179 ALL	577820.33	4137215.71	5.01E-03	3.52E-03	0.005007	0.001	0.001	0.001
1180 ALL	577815.14	4137223.61	4.62E-03	3.25E-03	0.00462	0.001	0.000	0.001
1181 ALL	577809.96	4137231.51	4.26E-03	2.99E-03	0.004258	0.001	0.000	0.001
1182 ALL	577804.78	4137239.41	3.92E-03	2.76E-03	0.003918	0.001	0.000	0.001
1183 ALL	577799.6	4137247.31	3.60E-03	2.53E-03	0.003603	0.000	0.000	0.000
1184 ALL	577794.42	4137255.21	3.32E-03	2.33E-03	0.003317	0.000	0.000	0.000
1185 ALL	577789.24	4137263.11	3.07E-03	2.16E-03	0.003068	0.000	0.000	0.000
1186 ALL	577784.06	4137271.01	2.85E-03	2.01E-03	0.002854	0.000	0.000	0.000
1187 ALL	577778.87	4137278.91	2.67E-03	1.88E-03	0.002669	0.000	0.000	0.000
1188 ALL	577773.69	4137286.81	2.51E-03	1.77E-03	0.002515	0.000	0.000	0.000
1189 ALL	577768.51	4137294.71	2.39E-03	1.68E-03	0.002391	0.000	0.000	0.000
1190 ALL	577837.94	4137160.34	6.51E-03	4.58E-03	0.006507	0.001	0.001	0.001
1191 ALL	577845.73	4137155.03	7.07E-03	4.97E-03	0.007067	0.001	0.001	0.001
1192 ALL	577853.52	4137149.72	7.65E-03	5.38E-03	0.007651	0.001	0.001	0.001
1193 ALL	577861.31	4137144.4	8.25E-03	5.80E-03	0.00825	0.001	0.001	0.001
1194 ALL	577869.1	4137139.09	8.86E-03	6.23E-03	0.008864	0.001	0.001	0.001
1195 ALL	577876.89	4137133.78	9.48E-03	6.67E-03	0.009485	0.001	0.001	0.001
1196 ALL	577884.68	4137128.47	1.01E-02	7.10E-03	0.0101	0.001	0.001	0.001
1197 ALL	577892.46	4137123.15	1.07E-02	7.52E-03	0.010689	0.001	0.001	0.001
1198 ALL	577900.25	4137117.84	1.13E-02	7.92E-03	0.011267	0.001	0.001	0.001
1199 ALL	577908.04	4137112.53	1.18E-02	8.32E-03	0.011828	0.002	0.001	0.002
1200 ALL	577915.83	4137107.21	1.24E-02	8.69E-03	0.012355	0.002	0.001	0.002
1201 ALL	577923.62	4137101.9	1.28E-02	9.02E-03	0.012833	0.002	0.001	0.002
1202 ALL	577931.41	4137096.59	1.33E-02	9.33E-03	0.013268	0.002	0.001	0.002
1203 ALL	577939.2	4137091.27	1.37E-02	9.60E-03	0.013654	0.002	0.001	0.002
1204 ALL	577946.99	4137085.96	1.40E-02	9.82E-03	0.013969	0.002	0.001	0.002
1205 ALL	577954.78	4137080.65	1.42E-02	1.00E-02	0.014214	0.002	0.001	0.002
1206 ALL	577996.68	4137068.17	1.59E-02	1.12E-02	0.015859	0.002	0.002	0.002
1207 ALL	578005.95	4137069.91	1.65E-02	1.16E-02	0.016461	0.002	0.002	0.002
1208 ALL	578015.22	4137071.64	1.70E-02	1.20E-02	0.017035	0.002	0.002	0.002
1209 ALL	578024.49	4137073.37	1.76E-02	1.24E-02	0.017573	0.002	0.002	0.002
1210 ALL	577830.15	4137165.66	5.98E-03	4.20E-03	0.005976	0.001	0.001	0.001
1211 ALL	577824.97	4137173.56	5.62E-03	3.95E-03	0.005621	0.001	0.001	0.001
1212 ALL	577819.79	4137181.46	5.26E-03	3.70E-03	0.005265	0.001	0.001	0.001
1213 ALL	577814.61	4137189.36	4.91E-03	3.45E-03	0.004913	0.001	0.000	0.001
1214 ALL	577809.43	4137197.26	4.57E-03	3.21E-03	0.00457	0.001	0.000	0.001
1215 ALL	577804.24	4137205.16	4.24E-03	2.98E-03	0.004244	0.001	0.000	0.001

1216 ALL	577799.06	4137213.06	3.94E-03	2.77E-03	0.003937	0.001	0.000	0.001
1217 ALL	577793.88	4137220.96	3.65E-03	2.57E-03	0.003649	0.000	0.000	0.000
1218 ALL	577788.7	4137228.86	3.39E-03	2.38E-03	0.003388	0.000	0.000	0.000
1219 ALL	577783.52	4137236.76	3.15E-03	2.21E-03	0.003146	0.000	0.000	0.000
1220 ALL	577778.34	4137244.66	2.91E-03	2.05E-03	0.002912	0.000	0.000	0.000
1221 ALL	577773.16	4137252.56	2.70E-03	1.90E-03	0.0027	0.000	0.000	0.000
1222 ALL	577767.97	4137260.47	2.52E-03	1.77E-03	0.002516	0.000	0.000	0.000
1223 ALL	577762.79	4137268.37	2.36E-03	1.66E-03	0.002361	0.000	0.000	0.000
1224 ALL	577757.61	4137276.27	2.23E-03	1.57E-03	0.002234	0.000	0.000	0.000
1225 ALL	577752.43	4137284.17	2.12E-03	1.49E-03	0.002124	0.000	0.000	0.000
1226 ALL	577821.69	4137149.91	5.48E-03	3.86E-03	0.005482	0.001	0.001	0.001
1227 ALL	577829.32	4137144.71	5.93E-03	4.17E-03	0.005929	0.001	0.001	0.001
1228 ALL	577836.94	4137139.51	6.40E-03	4.50E-03	0.006398	0.001	0.001	0.001
1229 ALL	577844.57	4137134.31	6.88E-03	4.84E-03	0.006885	0.001	0.001	0.001
1230 ALL	577852.2	4137129.11	7.39E-03	5.19E-03	0.007385	0.001	0.001	0.001
1231 ALL	577859.82	4137123.9	7.89E-03	5.55E-03	0.007888	0.001	0.001	0.001
1232 ALL	577867.45	4137118.7	8.40E-03	5.90E-03	0.008396	0.001	0.001	0.001
1233 ALL	577875.07	4137113.5	8.90E-03	6.26E-03	0.008904	0.001	0.001	0.001
1234 ALL	577882.7	4137108.3	9.41E-03	6.62E-03	0.009407	0.001	0.001	0.001
1235 ALL	577890.32	4137103.1	9.89E-03	6.95E-03	0.00989	0.001	0.001	0.001
1236 ALL	577897.95	4137097.9	1.04E-02	7.29E-03	0.01036	0.001	0.001	0.001
1237 ALL	577905.57	4137092.7	1.08E-02	7.60E-03	0.010812	0.001	0.001	0.001
1238 ALL	577913.2	4137087.5	1.12E-02	7.91E-03	0.011242	0.001	0.001	0.001
1239 ALL	577920.82	4137082.3	1.16E-02	8.17E-03	0.011622	0.002	0.001	0.002
1240 ALL	577928.45	4137077.09	1.20E-02	8.42E-03	0.011968	0.002	0.001	0.002
1241 ALL	577936.07	4137071.89	1.23E-02	8.63E-03	0.012271	0.002	0.001	0.002
1242 ALL	577943.7	4137066.69	1.25E-02	8.81E-03	0.012533	0.002	0.001	0.002
1243 ALL	577951.32	4137061.49	1.27E-02	8.95E-03	0.012726	0.002	0.001	0.002
1244 ALL	577958.95	4137056.29	1.29E-02	9.06E-03	0.012877	0.002	0.001	0.002
1245 ALL	577966.57	4137051.09	1.30E-02	9.13E-03	0.012984	0.002	0.001	0.002
1246 ALL	577983.27	4137047.58	1.36E-02	9.55E-03	0.013586	0.002	0.001	0.002
1247 ALL	577992.34	4137049.28	1.41E-02	9.92E-03	0.01411	0.002	0.001	0.002
1248 ALL	578001.41	4137050.98	1.46E-02	1.03E-02	0.014613	0.002	0.001	0.002
1249 ALL	578010.49	4137052.67	1.51E-02	1.06E-02	0.015093	0.002	0.002	0.002
1250 ALL	578019.56	4137054.37	1.55E-02	1.09E-02	0.015547	0.002	0.002	0.002
1251 ALL	578028.63	4137056.07	1.60E-02	1.12E-02	0.015972	0.002	0.002	0.002
1252 ALL	577814.07	4137155.11	5.06E-03	3.56E-03	0.005061	0.001	0.001	0.001
1253 ALL	577808.89	4137163.01	4.77E-03	3.35E-03	0.004769	0.001	0.000	0.001
1254 ALL	577803.71	4137170.91	4.48E-03	3.15E-03	0.004476	0.001	0.000	0.001
1255 ALL	577798.53	4137178.81	4.19E-03	2.94E-03	0.004188	0.001	0.000	0.001
1256 ALL	577793.34	4137186.71	3.91E-03	2.75E-03	0.003906	0.001	0.000	0.001
1257 ALL	577788.16	4137194.61	3.65E-03	2.57E-03	0.003648	0.000	0.000	0.000
1258 ALL	577782.98	4137202.52	3.41E-03	2.40E-03	0.003406	0.000	0.000	0.000
1259 ALL	577777.8	4137210.42	3.18E-03	2.23E-03	0.003177	0.000	0.000	0.000
1260 ALL	577772.62	4137218.32	2.96E-03	2.08E-03	0.002963	0.000	0.000	0.000
1261 ALL	577767.44	4137226.22	2.76E-03	1.94E-03	0.002763	0.000	0.000	0.000
1262 ALL	577762.26	4137234.12	2.57E-03	1.81E-03	0.002574	0.000	0.000	0.000
1263 ALL	577757.07	4137242.02	2.40E-03	1.69E-03	0.002405	0.000	0.000	0.000
1264 ALL	577751.89	4137249.92	2.25E-03	1.59E-03	0.002255	0.000	0.000	0.000
1265 ALL	577746.71	4137257.82	2.12E-03	1.49E-03	0.002124	0.000	0.000	0.000
1266 ALL	577741.53	4137265.72	2.01E-03	1.41E-03	0.00201	0.000	0.000	0.000
1267 ALL	577736.35	4137273.62	1.91E-03	1.35E-03	0.001912	0.000	0.000	0.000
1268 ALL	577805.48	4137139.46	4.68E-03	3.29E-03	0.004681	0.001	0.000	0.001
1269 ALL	577812.97	4137134.35	5.04E-03	3.54E-03	0.005036	0.001	0.001	0.001
1270 ALL	577820.46	4137129.24	5.41E-03	3.80E-03	0.005408	0.001	0.001	0.001
1271 ALL	577827.95	4137124.13	5.80E-03	4.08E-03	0.005801	0.001	0.001	0.001
1272 ALL	577835.44	4137119.02	6.21E-03	4.37E-03	0.006211	0.001	0.001	0.001
1273 ALL	577842.93	4137113.91	6.63E-03	4.66E-03	0.006629	0.001	0.001	0.001
1274 ALL	577850.41	4137108.8	7.05E-03	4.96E-03	0.007054	0.001	0.001	0.001
1275 ALL	577865.39	4137098.59	7.91E-03	5.56E-03	0.007907	0.001	0.001	0.001
1276 ALL	577872.88	4137093.48	8.33E-03	5.86E-03	0.008329	0.001	0.001	0.001
1277 ALL	577880.37	4137088.37	8.74E-03	6.15E-03	0.008744	0.001	0.001	0.001
1278 ALL	577887.86	4137083.26	9.14E-03	6.43E-03	0.009143	0.001	0.001	0.001
1279 ALL	577895.35	4137078.15	9.53E-03	6.70E-03	0.009527	0.001	0.001	0.001

1280 ALL	577902.84	4137073.04	9.89E-03	6.95E-03	0.00989	0.001	0.001	0.001
1281 ALL	577910.33	4137067.94	1.02E-02	7.20E-03	0.010234	0.001	0.001	0.001
1282 ALL	577917.82	4137062.83	1.05E-02	7.41E-03	0.010542	0.001	0.001	0.001
1283 ALL	577925.31	4137057.72	1.08E-02	7.61E-03	0.010819	0.001	0.001	0.001
1284 ALL	577932.8	4137052.61	1.11E-02	7.78E-03	0.01107	0.001	0.001	0.001
1285 ALL	577940.29	4137047.5	1.13E-02	7.94E-03	0.01129	0.001	0.001	0.001
1286 ALL	577955.27	4137037.28	1.16E-02	8.15E-03	0.011585	0.002	0.001	0.002
1287 ALL	577962.76	4137032.18	1.17E-02	8.21E-03	0.011674	0.002	0.001	0.002
1288 ALL	577979.16	4137028.73	1.22E-02	8.57E-03	0.012188	0.002	0.001	0.002
1289 ALL	577988.07	4137030.4	1.26E-02	8.88E-03	0.012633	0.002	0.001	0.002
1290 ALL	577996.98	4137032.07	1.31E-02	9.18E-03	0.013061	0.002	0.001	0.002
1291 ALL	578005.89	4137033.73	1.35E-02	9.47E-03	0.01347	0.002	0.001	0.002
1292 ALL	578014.8	4137035.4	1.39E-02	9.75E-03	0.013859	0.002	0.001	0.002
1293 ALL	578023.71	4137037.06	1.42E-02	1.00E-02	0.014226	0.002	0.001	0.002
1294 ALL	578032.63	4137038.73	1.46E-02	1.02E-02	0.014569	0.002	0.001	0.002
1295 ALL	577797.99	4137144.56	4.34E-03	3.05E-03	0.004339	0.001	0.000	0.001
1296 ALL	577792.81	4137152.47	4.09E-03	2.88E-03	0.004094	0.001	0.000	0.001
1297 ALL	577787.63	4137160.37	3.86E-03	2.72E-03	0.003864	0.001	0.000	0.001
1298 ALL	577782.44	4137168.27	3.64E-03	2.56E-03	0.003637	0.000	0.000	0.000
1299 ALL	577777.26	4137176.17	3.41E-03	2.40E-03	0.003414	0.000	0.000	0.000
1300 ALL	577772.08	4137184.07	3.20E-03	2.25E-03	0.003198	0.000	0.000	0.000
1301 ALL	577766.9	4137191.97	2.99E-03	2.10E-03	0.002991	0.000	0.000	0.000
1302 ALL	577761.72	4137199.87	2.80E-03	1.97E-03	0.002797	0.000	0.000	0.000
1303 ALL	577756.54	4137207.77	2.61E-03	1.84E-03	0.002614	0.000	0.000	0.000
1304 ALL	577751.36	4137215.67	2.44E-03	1.72E-03	0.002444	0.000	0.000	0.000
1305 ALL	577746.18	4137223.57	2.29E-03	1.61E-03	0.002289	0.000	0.000	0.000
1306 ALL	577740.99	4137231.47	2.15E-03	1.51E-03	0.002148	0.000	0.000	0.000
1307 ALL	577735.81	4137239.37	2.02E-03	1.42E-03	0.002022	0.000	0.000	0.000
1308 ALL	577730.63	4137247.27	1.91E-03	1.34E-03	0.001911	0.000	0.000	0.000
1309 ALL	577725.45	4137255.17	1.81E-03	1.28E-03	0.001814	0.000	0.000	0.000
1310 ALL	577720.27	4137263.07	1.73E-03	1.22E-03	0.001731	0.000	0.000	0.000
1311 ALL	577789.59	4137128.78	4.06E-03	2.86E-03	0.004061	0.001	0.000	0.001
1312 ALL	577797.27	4137123.54	4.36E-03	3.06E-03	0.004356	0.001	0.000	0.001
1313 ALL	577804.96	4137118.3	4.68E-03	3.29E-03	0.004675	0.001	0.000	0.001
1314 ALL	577812.64	4137113.06	5.01E-03	3.52E-03	0.005006	0.001	0.001	0.001
1315 ALL	577820.32	4137107.82	5.35E-03	3.76E-03	0.005348	0.001	0.001	0.001
1316 ALL	577828	4137102.58	5.71E-03	4.02E-03	0.00571	0.001	0.001	0.001
1317 ALL	577835.69	4137097.33	6.08E-03	4.28E-03	0.006084	0.001	0.001	0.001
1318 ALL	577843.37	4137092.09	6.46E-03	4.54E-03	0.006462	0.001	0.001	0.001
1319 ALL	577851.05	4137086.85	6.84E-03	4.81E-03	0.006839	0.001	0.001	0.001
1320 ALL	577858.74	4137081.61	7.21E-03	5.07E-03	0.007214	0.001	0.001	0.001
1321 ALL	577866.42	4137076.37	7.58E-03	5.33E-03	0.007584	0.001	0.001	0.001
1322 ALL	577874.1	4137071.13	7.94E-03	5.59E-03	0.007943	0.001	0.001	0.001
1323 ALL	577881.78	4137065.89	8.29E-03	5.83E-03	0.00829	0.001	0.001	0.001
1324 ALL	577889.47	4137060.65	8.62E-03	6.06E-03	0.008621	0.001	0.001	0.001
1325 ALL	577897.15	4137055.41	8.94E-03	6.28E-03	0.008937	0.001	0.001	0.001
1326 ALL	577904.83	4137050.17	9.24E-03	6.50E-03	0.009237	0.001	0.001	0.001
1327 ALL	577912.52	4137044.93	9.52E-03	6.69E-03	0.009518	0.001	0.001	0.001
1328 ALL	577920.2	4137039.69	9.76E-03	6.86E-03	0.00976	0.001	0.001	0.001
1329 ALL	577927.88	4137034.45	9.98E-03	7.02E-03	0.009982	0.001	0.001	0.001
1330 ALL	577935.56	4137029.21	1.02E-02	7.16E-03	0.010184	0.001	0.001	0.001
1331 ALL	577943.25	4137023.97	1.04E-02	7.29E-03	0.010361	0.001	0.001	0.001
1332 ALL	577950.93	4137018.73	1.05E-02	7.36E-03	0.010473	0.001	0.001	0.001
1333 ALL	577958.61	4137013.49	1.06E-02	7.42E-03	0.010555	0.001	0.001	0.001
1334 ALL	577975.44	4137009.95	1.10E-02	7.75E-03	0.011014	0.001	0.001	0.001
1335 ALL	577984.58	4137011.66	1.14E-02	8.02E-03	0.011409	0.002	0.001	0.002
1336 ALL	577993.72	4137013.37	1.18E-02	8.29E-03	0.011791	0.002	0.001	0.002
1337 ALL	578002.86	4137015.08	1.22E-02	8.55E-03	0.012156	0.002	0.001	0.002
1338 ALL	578012	4137016.79	1.25E-02	8.79E-03	0.012504	0.002	0.001	0.002
1339 ALL	578021.15	4137018.5	1.28E-02	9.02E-03	0.012834	0.002	0.001	0.002
1340 ALL	578030.29	4137020.21	1.31E-02	9.24E-03	0.013142	0.002	0.001	0.002
1341 ALL	578039.43	4137021.92	1.34E-02	9.45E-03	0.01344	0.002	0.001	0.002
1342 ALL	577781.91	4137134.02	3.79E-03	2.67E-03	0.00379	0.001	0.000	0.001
1343 ALL	577776.73	4137141.92	3.59E-03	2.53E-03	0.003593	0.000	0.000	0.000

1344 ALL	577771.54	4137149.82	3.40E-03	2.39E-03	0.003396	0.000	0.000	0.000
1345 ALL	577766.36	4137157.72	3.20E-03	2.25E-03	0.003202	0.000	0.000	0.000
1346 ALL	577761.18	4137165.62	3.01E-03	2.12E-03	0.003012	0.000	0.000	0.000
1347 ALL	577756	4137173.52	2.82E-03	1.99E-03	0.002824	0.000	0.000	0.000
1348 ALL	577750.82	4137181.42	2.65E-03	1.86E-03	0.002646	0.000	0.000	0.000
1349 ALL	577745.64	4137189.32	2.48E-03	1.74E-03	0.002478	0.000	0.000	0.000
1350 ALL	577740.46	4137197.22	2.32E-03	1.63E-03	0.002322	0.000	0.000	0.000
1351 ALL	577735.28	4137205.12	2.18E-03	1.53E-03	0.002179	0.000	0.000	0.000
1352 ALL	577730.09	4137213.03	2.05E-03	1.44E-03	0.002046	0.000	0.000	0.000
1353 ALL	577724.91	4137220.93	1.92E-03	1.35E-03	0.001925	0.000	0.000	0.000
1354 ALL	577719.73	4137228.83	1.82E-03	1.28E-03	0.001817	0.000	0.000	0.000
1355 ALL	577714.55	4137236.73	1.72E-03	1.21E-03	0.001721	0.000	0.000	0.000
1356 ALL	577709.37	4137244.63	1.64E-03	1.15E-03	0.001636	0.000	0.000	0.000
1357 ALL	577704.19	4137252.53	1.56E-03	1.10E-03	0.001563	0.000	0.000	0.000
1358 ALL	577773.38	4137118.32	3.58E-03	2.52E-03	0.003579	0.000	0.000	0.000
1359 ALL	577780.94	4137113.16	3.82E-03	2.68E-03	0.003816	0.001	0.000	0.001
1360 ALL	577788.5	4137108.01	4.06E-03	2.85E-03	0.004058	0.001	0.000	0.001
1361 ALL	577796.06	4137102.85	4.10E-03	2.89E-03	0.004104	0.001	0.000	0.001
1362 ALL	577803.62	4137097.69	4.39E-03	3.09E-03	0.004394	0.001	0.000	0.001
1363 ALL	577811.18	4137092.54	4.68E-03	3.29E-03	0.004685	0.001	0.000	0.001
1364 ALL	577818.74	4137087.38	4.97E-03	3.50E-03	0.004972	0.001	0.001	0.001
1365 ALL	577826.29	4137082.23	5.28E-03	3.71E-03	0.00528	0.001	0.001	0.001
1366 ALL	577833.85	4137077.07	5.83E-03	4.10E-03	0.005832	0.001	0.001	0.001
1367 ALL	577841.41	4137071.92	6.15E-03	4.33E-03	0.006154	0.001	0.001	0.001
1368 ALL	577848.97	4137066.76	6.47E-03	4.55E-03	0.00647	0.001	0.001	0.001
1369 ALL	577856.53	4137061.6	6.78E-03	4.77E-03	0.006782	0.001	0.001	0.001
1370 ALL	577864.09	4137056.45	7.09E-03	4.98E-03	0.007087	0.001	0.001	0.001
1371 ALL	577871.64	4137051.29	7.38E-03	5.19E-03	0.007384	0.001	0.001	0.001
1372 ALL	577879.2	4137046.14	7.67E-03	5.39E-03	0.00767	0.001	0.001	0.001
1373 ALL	577886.76	4137040.98	7.94E-03	5.59E-03	0.007944	0.001	0.001	0.001
1374 ALL	577894.32	4137035.83	8.21E-03	5.77E-03	0.008205	0.001	0.001	0.001
1375 ALL	577901.88	4137030.67	8.45E-03	5.94E-03	0.00845	0.001	0.001	0.001
1376 ALL	577909.44	4137025.51	8.68E-03	6.10E-03	0.008678	0.001	0.001	0.001
1377 ALL	577916.99	4137020.36	8.89E-03	6.25E-03	0.008886	0.001	0.001	0.001
1378 ALL	577924.55	4137015.2	9.08E-03	6.38E-03	0.009079	0.001	0.001	0.001
1379 ALL	577932.11	4137010.05	9.26E-03	6.51E-03	0.009258	0.001	0.001	0.001
1380 ALL	577939.67	4137004.89	9.42E-03	6.62E-03	0.009419	0.001	0.001	0.001
1381 ALL	577947.23	4136999.74	9.53E-03	6.70E-03	0.009533	0.001	0.001	0.001
1382 ALL	577954.79	4136994.58	9.60E-03	6.75E-03	0.009599	0.001	0.001	0.001
1383 ALL	577971.34	4136991.11	9.99E-03	7.02E-03	0.009987	0.001	0.001	0.001
1384 ALL	577980.33	4136992.79	1.03E-02	7.26E-03	0.010326	0.001	0.001	0.001
1385 ALL	577989.33	4136994.47	1.07E-02	7.49E-03	0.010655	0.001	0.001	0.001
1386 ALL	577998.32	4136996.15	1.10E-02	7.71E-03	0.01097	0.001	0.001	0.001
1387 ALL	578007.31	4136997.83	1.13E-02	7.93E-03	0.011273	0.001	0.001	0.001
1388 ALL	578016.31	4136999.51	1.16E-02	8.13E-03	0.011565	0.002	0.001	0.002
1389 ALL	578025.3	4137001.2	1.18E-02	8.33E-03	0.01184	0.002	0.001	0.002
1390 ALL	578034.29	4137002.88	1.21E-02	8.51E-03	0.0121	0.002	0.001	0.002
1391 ALL	578043.29	4137004.56	1.21E-02	8.54E-03	0.012148	0.002	0.001	0.002
1392 ALL	578052.28	4137006.24	1.23E-02	8.68E-03	0.012349	0.002	0.001	0.002
1393 ALL	577765.83	4137123.47	3.35E-03	2.35E-03	0.003348	0.000	0.000	0.000
1394 ALL	577760.64	4137131.37	3.17E-03	2.23E-03	0.003173	0.000	0.000	0.000
1395 ALL	577755.46	4137139.27	3.00E-03	2.11E-03	0.002997	0.000	0.000	0.000
1396 ALL	577750.28	4137147.17	2.83E-03	1.99E-03	0.002826	0.000	0.000	0.000
1397 ALL	577745.1	4137155.08	2.66E-03	1.87E-03	0.002662	0.000	0.000	0.000
1398 ALL	577739.92	4137162.98	2.50E-03	1.76E-03	0.002505	0.000	0.000	0.000
1399 ALL	577734.74	4137170.88	2.36E-03	1.66E-03	0.002355	0.000	0.000	0.000
1400 ALL	577729.56	4137178.78	2.21E-03	1.56E-03	0.002212	0.000	0.000	0.000
1401 ALL	577724.38	4137186.68	2.08E-03	1.46E-03	0.002077	0.000	0.000	0.000
1402 ALL	577719.19	4137194.58	1.95E-03	1.37E-03	0.001951	0.000	0.000	0.000
1403 ALL	577714.01	4137202.48	1.84E-03	1.29E-03	0.001837	0.000	0.000	0.000
1404 ALL	577708.83	4137210.38	1.73E-03	1.22E-03	0.001734	0.000	0.000	0.000
1405 ALL	577703.65	4137218.28	1.64E-03	1.15E-03	0.001641	0.000	0.000	0.000
1406 ALL	577698.47	4137226.18	1.56E-03	1.10E-03	0.001557	0.000	0.000	0.000
1407 ALL	577693.29	4137234.08	1.48E-03	1.04E-03	0.001482	0.000	0.000	0.000

1408 ALL	577688.11	4137241.98	1.42E-03	9.97E-04	0.001417	0.000	0.000	0.000
1409 ALL	577757.47	4137107.66	3.17E-03	2.23E-03	0.003175	0.000	0.000	0.000
1410 ALL	577765.2	4137102.38	3.40E-03	2.39E-03	0.003397	0.000	0.000	0.000
1411 ALL	577772.93	4137097.11	3.62E-03	2.54E-03	0.003618	0.000	0.000	0.000
1412 ALL	577780.66	4137091.84	3.85E-03	2.70E-03	0.003845	0.001	0.000	0.001
1413 ALL	577788.38	4137086.57	4.08E-03	2.87E-03	0.004079	0.001	0.000	0.001
1414 ALL	577796.11	4137081.3	4.13E-03	2.90E-03	0.004128	0.001	0.000	0.001
1415 ALL	577803.84	4137076.03	4.39E-03	3.08E-03	0.004385	0.001	0.000	0.001
1416 ALL	577811.57	4137070.76	4.64E-03	3.26E-03	0.00464	0.001	0.000	0.001
1417 ALL	577819.3	4137065.49	4.89E-03	3.44E-03	0.004888	0.001	0.000	0.001
1418 ALL	577827.02	4137060.21	5.16E-03	3.63E-03	0.005159	0.001	0.001	0.001
1419 ALL	577834.75	4137054.94	5.45E-03	3.83E-03	0.00545	0.001	0.001	0.001
1420 ALL	577842.48	4137049.67	5.73E-03	4.03E-03	0.005731	0.001	0.001	0.001
1421 ALL	577850.21	4137044.4	6.00E-03	4.22E-03	0.006003	0.001	0.001	0.001
1422 ALL	577857.93	4137039.13	6.49E-03	4.57E-03	0.006495	0.001	0.001	0.001
1423 ALL	577865.66	4137033.86	6.76E-03	4.75E-03	0.006757	0.001	0.001	0.001
1424 ALL	577873.39	4137028.59	7.01E-03	4.93E-03	0.007007	0.001	0.001	0.001
1425 ALL	577881.12	4137023.32	7.25E-03	5.10E-03	0.007247	0.001	0.001	0.001
1426 ALL	577888.85	4137018.05	7.47E-03	5.26E-03	0.007475	0.001	0.001	0.001
1427 ALL	577896.57	4137012.77	7.69E-03	5.41E-03	0.007689	0.001	0.001	0.001
1428 ALL	577904.3	4137007.5	7.89E-03	5.55E-03	0.007893	0.001	0.001	0.001
1429 ALL	577912.03	4137002.23	8.08E-03	5.68E-03	0.008084	0.001	0.001	0.001
1430 ALL	577919.76	4136996.96	8.26E-03	5.81E-03	0.008264	0.001	0.001	0.001
1431 ALL	577927.48	4136991.69	8.43E-03	5.93E-03	0.00843	0.001	0.001	0.001
1432 ALL	577935.21	4136986.42	8.58E-03	6.03E-03	0.008581	0.001	0.001	0.001
1433 ALL	577942.94	4136981.15	8.71E-03	6.12E-03	0.008709	0.001	0.001	0.001
1434 ALL	577950.67	4136975.88	8.76E-03	6.16E-03	0.008762	0.001	0.001	0.001
1435 ALL	577967.59	4136972.32	9.11E-03	6.40E-03	0.009106	0.001	0.001	0.001
1436 ALL	577976.79	4136974.04	9.41E-03	6.62E-03	0.009412	0.001	0.001	0.001
1437 ALL	577985.98	4136975.76	9.71E-03	6.83E-03	0.009709	0.001	0.001	0.001
1438 ALL	577995.18	4136977.48	9.99E-03	7.03E-03	0.009994	0.001	0.001	0.001
1439 ALL	578004.37	4136979.2	1.03E-02	7.22E-03	0.010268	0.001	0.001	0.001
1440 ALL	578013.57	4136980.92	1.05E-02	7.41E-03	0.010532	0.001	0.001	0.001
1441 ALL	578022.76	4136982.64	1.08E-02	7.58E-03	0.010784	0.001	0.001	0.001
1442 ALL	578031.96	4136984.36	1.10E-02	7.75E-03	0.011022	0.001	0.001	0.001
1443 ALL	578041.15	4136986.08	1.13E-02	7.91E-03	0.01125	0.001	0.001	0.001
1444 ALL	578050.35	4136987.8	1.13E-02	7.92E-03	0.011269	0.001	0.001	0.001
1445 ALL	578059.54	4136989.52	1.14E-02	8.04E-03	0.011438	0.002	0.001	0.002
1446 ALL	578169.88	4137010.15	1.21E-02	8.52E-03	0.012117	0.002	0.001	0.002
1447 ALL	578179.08	4137011.87	1.20E-02	8.42E-03	0.011968	0.002	0.001	0.002
1448 ALL	578188.27	4137013.59	1.18E-02	8.30E-03	0.011799	0.002	0.001	0.002
1449 ALL	578197.47	4137015.31	1.16E-02	8.16E-03	0.011607	0.002	0.001	0.002
1450 ALL	577749.75	4137112.93	2.96E-03	2.08E-03	0.00296	0.000	0.000	0.000
1451 ALL	577744.56	4137120.83	2.81E-03	1.97E-03	0.002805	0.000	0.000	0.000
1452 ALL	577739.38	4137128.73	2.65E-03	1.87E-03	0.002655	0.000	0.000	0.000
1453 ALL	577734.2	4137136.63	2.51E-03	1.76E-03	0.002508	0.000	0.000	0.000
1454 ALL	577729.02	4137144.53	2.37E-03	1.66E-03	0.002366	0.000	0.000	0.000
1455 ALL	577723.84	4137152.43	2.23E-03	1.57E-03	0.002229	0.000	0.000	0.000
1456 ALL	577718.66	4137160.33	2.10E-03	1.48E-03	0.0021	0.000	0.000	0.000
1457 ALL	577713.48	4137168.23	1.98E-03	1.39E-03	0.001979	0.000	0.000	0.000
1458 ALL	577708.29	4137176.13	1.86E-03	1.31E-03	0.001863	0.000	0.000	0.000
1459 ALL	577703.11	4137184.03	1.76E-03	1.23E-03	0.001756	0.000	0.000	0.000
1460 ALL	577697.93	4137191.93	1.66E-03	1.16E-03	0.001656	0.000	0.000	0.000
1461 ALL	577692.75	4137199.83	1.49E-03	1.04E-03	0.001485	0.000	0.000	0.000
1462 ALL	577687.57	4137207.73	1.41E-03	9.92E-04	0.00141	0.000	0.000	0.000
1463 ALL	577682.39	4137215.64	1.34E-03	9.44E-04	0.001342	0.000	0.000	0.000
1464 ALL	577677.21	4137223.54	1.28E-03	9.01E-04	0.001281	0.000	0.000	0.000
1465 ALL	577672.03	4137231.44	1.23E-03	8.62E-04	0.001226	0.000	0.000	0.000
1466 ALL	577741.28	4137097.19	2.81E-03	1.97E-03	0.002806	0.000	0.000	0.000
1467 ALL	577748.89	4137091.99	3.00E-03	2.11E-03	0.002997	0.000	0.000	0.000
1468 ALL	577756.5	4137086.8	3.20E-03	2.25E-03	0.003199	0.000	0.000	0.000
1469 ALL	577764.12	4137081.61	3.41E-03	2.40E-03	0.00341	0.000	0.000	0.000
1470 ALL	577771.73	4137076.42	3.61E-03	2.54E-03	0.003614	0.000	0.000	0.000
1471 ALL	577779.34	4137071.22	3.82E-03	2.69E-03	0.003824	0.001	0.000	0.001



1472 ALL	577786.96	4137066.03	4.04E-03	2.84E-03	0.004039	0.001	0.000	0.001
1473 ALL	577794.57	4137060.84	4.09E-03	2.88E-03	0.004091	0.001	0.000	0.001
1474 ALL	577802.18	4137055.64	4.31E-03	3.03E-03	0.004309	0.001	0.000	0.001
1475 ALL	577809.8	4137050.45	4.52E-03	3.18E-03	0.004519	0.001	0.000	0.001
1476 ALL	577817.41	4137045.26	4.72E-03	3.32E-03	0.004718	0.001	0.000	0.001
1477 ALL	577825.02	4137040.06	4.92E-03	3.46E-03	0.004923	0.001	0.001	0.001
1478 ALL	577832.63	4137034.87	5.16E-03	3.63E-03	0.005164	0.001	0.001	0.001
1479 ALL	577840.25	4137029.68	5.40E-03	3.80E-03	0.005399	0.001	0.001	0.001
1480 ALL	577847.86	4137024.49	5.62E-03	3.95E-03	0.005623	0.001	0.001	0.001
1481 ALL	577855.47	4137019.29	5.84E-03	4.11E-03	0.005843	0.001	0.001	0.001
1482 ALL	577863.09	4137014.1	6.06E-03	4.26E-03	0.006062	0.001	0.001	0.001
1483 ALL	577870.7	4137008.91	6.27E-03	4.41E-03	0.006266	0.001	0.001	0.001
1484 ALL	577878.31	4137003.71	6.46E-03	4.54E-03	0.00646	0.001	0.001	0.001
1485 ALL	577885.93	4136998.52	6.65E-03	4.68E-03	0.006655	0.001	0.001	0.001
1486 ALL	577893.54	4136993.33	7.08E-03	4.98E-03	0.007076	0.001	0.001	0.001
1487 ALL	577901.15	4136988.13	7.25E-03	5.10E-03	0.007251	0.001	0.001	0.001
1488 ALL	577908.77	4136982.94	7.42E-03	5.22E-03	0.007418	0.001	0.001	0.001
1489 ALL	577916.38	4136977.75	7.57E-03	5.33E-03	0.007573	0.001	0.001	0.001
1490 ALL	577923.99	4136972.56	7.72E-03	5.43E-03	0.007718	0.001	0.001	0.001
1491 ALL	577931.61	4136967.36	7.85E-03	5.52E-03	0.007846	0.001	0.001	0.001
1492 ALL	577939.22	4136962.17	7.96E-03	5.60E-03	0.007958	0.001	0.001	0.001
1493 ALL	577946.83	4136956.98	8.03E-03	5.65E-03	0.008028	0.001	0.001	0.001
1494 ALL	577963.5	4136953.48	8.33E-03	5.86E-03	0.00833	0.001	0.001	0.001
1495 ALL	577972.56	4136955.17	8.59E-03	6.04E-03	0.008595	0.001	0.001	0.001
1496 ALL	577981.62	4136956.86	8.86E-03	6.23E-03	0.008856	0.001	0.001	0.001
1497 ALL	577990.68	4136958.56	9.11E-03	6.40E-03	0.009107	0.001	0.001	0.001
1498 ALL	577999.74	4136960.25	9.35E-03	6.57E-03	0.009349	0.001	0.001	0.001
1499 ALL	578008.8	4136961.95	9.58E-03	6.74E-03	0.009583	0.001	0.001	0.001
1500 ALL	578017.86	4136963.64	9.81E-03	6.90E-03	0.009809	0.001	0.001	0.001
1501 ALL	578026.91	4136965.33	1.00E-02	7.05E-03	0.010022	0.001	0.001	0.001
1502 ALL	578035.97	4136967.03	1.02E-02	7.19E-03	0.010227	0.001	0.001	0.001
1503 ALL	578045.03	4136968.72	1.03E-02	7.22E-03	0.010266	0.001	0.001	0.001
1504 ALL	578054.09	4136970.42	1.04E-02	7.33E-03	0.010424	0.001	0.001	0.001
1505 ALL	578063.15	4136972.11	1.06E-02	7.43E-03	0.010568	0.001	0.001	0.001
1506 ALL	578162.79	4136990.74	1.12E-02	7.85E-03	0.01116	0.001	0.001	0.001
1507 ALL	578171.85	4136992.43	1.11E-02	7.78E-03	0.011068	0.001	0.001	0.001
1508 ALL	578180.91	4136994.13	1.10E-02	7.71E-03	0.010959	0.001	0.001	0.001
1509 ALL	578189.97	4136995.82	1.10E-02	7.72E-03	0.010974	0.001	0.001	0.001
1510 ALL	578199.03	4136997.52	1.08E-02	7.62E-03	0.010833	0.001	0.001	0.001
1511 ALL	578208.09	4136999.21	1.07E-02	7.50E-03	0.010672	0.001	0.001	0.001
1512 ALL	577733.66	4137102.38	2.63E-03	1.85E-03	0.002628	0.000	0.000	0.000
1513 ALL	577728.48	4137110.28	2.49E-03	1.75E-03	0.00249	0.000	0.000	0.000
1514 ALL	577723.3	4137118.18	2.35E-03	1.65E-03	0.002353	0.000	0.000	0.000
1515 ALL	577718.12	4137126.08	2.08E-03	1.47E-03	0.002084	0.000	0.000	0.000
1516 ALL	577712.94	4137133.98	1.95E-03	1.37E-03	0.001953	0.000	0.000	0.000
1517 ALL	577707.76	4137141.88	1.84E-03	1.29E-03	0.001838	0.000	0.000	0.000
1518 ALL	577702.58	4137149.78	1.74E-03	1.22E-03	0.001737	0.000	0.000	0.000
1519 ALL	577697.39	4137157.69	1.65E-03	1.16E-03	0.001647	0.000	0.000	0.000
1520 ALL	577692.21	4137165.59	1.56E-03	1.10E-03	0.001561	0.000	0.000	0.000
1521 ALL	577687.03	4137173.49	1.47E-03	1.04E-03	0.001473	0.000	0.000	0.000
1522 ALL	577681.85	4137181.39	1.39E-03	9.77E-04	0.001389	0.000	0.000	0.000
1523 ALL	577676.67	4137189.29	1.31E-03	9.23E-04	0.001313	0.000	0.000	0.000
1524 ALL	577671.49	4137197.19	1.24E-03	8.72E-04	0.00124	0.000	0.000	0.000
1525 ALL	577666.31	4137205.09	1.17E-03	8.21E-04	0.001168	0.000	0.000	0.000
1526 ALL	577661.13	4137212.99	1.10E-03	7.73E-04	0.001099	0.000	0.000	0.000
1527 ALL	577655.94	4137220.89	1.03E-03	7.26E-04	0.001032	0.000	0.000	0.000
1528 ALL	577945.86	4137434.73	1.03E-01	7.26E-02	0.10327	0.014	0.011	0.014
1529 ALL	577953.76	4137439.7	1.08E-01	7.63E-02	0.10844	0.014	0.011	0.014
1530 ALL	577961.66	4137444.68	1.02E-01	7.19E-02	0.10224	0.014	0.010	0.014
1531 ALL	577920.71	4137411.6	4.41E-02	3.10E-02	0.044102	0.006	0.004	0.006
1532 ALL	577940.53	4137443.19	8.57E-02	6.02E-02	0.085661	0.011	0.009	0.011
1533 ALL	577948.43	4137448.17	8.82E-02	6.20E-02	0.088194	0.012	0.009	0.012
1534 ALL	577956.33	4137453.14	8.30E-02	5.84E-02	0.083015	0.011	0.008	0.011
1535 ALL	577913.98	4137427.67	4.64E-02	3.26E-02	0.046368	0.006	0.005	0.006

1536 ALL	577910.94	4137413.72	3.58E-02	2.52E-02	0.035835	0.005	0.004	0.005
1537 ALL	577908.65	4137436.13	4.42E-02	3.11E-02	0.044236	0.006	0.005	0.006
1538 ALL	577901.17	4137415.85	2.97E-02	2.09E-02	0.02969	0.004	0.003	0.004
1539 ALL	577903.99	4137400.63	2.49E-02	1.75E-02	0.024912	0.003	0.003	0.003
1540 ALL	577905.98	4137448.39	4.43E-02	3.12E-02	0.044326	0.006	0.005	0.006
1541 ALL	577900.65	4137440.79	3.87E-02	2.72E-02	0.038686	0.005	0.004	0.005
1542 ALL	577895.32	4137433.18	3.26E-02	2.29E-02	0.032602	0.004	0.003	0.004
1543 ALL	577924.54	4137468.57	5.30E-02	3.73E-02	0.053011	0.007	0.005	0.007
1544 ALL	577932.44	4137473.55	5.27E-02	3.71E-02	0.052737	0.007	0.005	0.007
1545 ALL	577940.34	4137478.53	4.99E-02	3.51E-02	0.04994	0.007	0.005	0.007
1546 ALL	577948.24	4137483.5	4.52E-02	3.18E-02	0.045175	0.006	0.005	0.006
1547 ALL	577956.14	4137488.48	3.94E-02	2.77E-02	0.039386	0.005	0.004	0.005
1548 ALL	577900.95	4137457.27	4.10E-02	2.89E-02	0.041029	0.005	0.004	0.005
1549 ALL	577890.58	4137442.49	3.22E-02	2.27E-02	0.032241	0.004	0.003	0.004
1550 ALL	577885.4	4137435.1	2.74E-02	1.93E-02	0.027376	0.004	0.003	0.004
1551 ALL	577919.21	4137477.04	4.63E-02	3.26E-02	0.046308	0.006	0.005	0.006
1552 ALL	577927.11	4137482.01	4.58E-02	3.22E-02	0.045792	0.006	0.005	0.006
1553 ALL	577935.01	4137486.99	4.34E-02	3.05E-02	0.043431	0.006	0.004	0.006
1554 ALL	577942.91	4137491.96	3.97E-02	2.79E-02	0.039665	0.005	0.004	0.005
1555 ALL	577890.75	4137458.8	3.49E-02	2.45E-02	0.034857	0.005	0.004	0.005
1556 ALL	577880.6	4137444.31	2.73E-02	1.92E-02	0.027254	0.004	0.003	0.004
1557 ALL	577913.88	4137485.5	4.09E-02	2.87E-02	0.040858	0.005	0.004	0.005
1558 ALL	577921.78	4137490.47	4.02E-02	2.83E-02	0.040226	0.005	0.004	0.005
1559 ALL	577929.68	4137495.45	3.82E-02	2.69E-02	0.038219	0.005	0.004	0.005
1560 ALL	577937.58	4137500.43	3.52E-02	2.47E-02	0.035174	0.005	0.004	0.005
1561 ALL	577945.48	4137505.4	3.15E-02	2.22E-02	0.031544	0.004	0.003	0.004
1562 ALL	577885.66	4137467.6	3.26E-02	2.29E-02	0.032605	0.004	0.003	0.004
1563 ALL	577875.67	4137453.34	2.67E-02	1.88E-02	0.026681	0.004	0.003	0.004
1564 ALL	577908.55	4137493.96	3.64E-02	2.56E-02	0.036354	0.005	0.004	0.005
1565 ALL	577916.45	4137498.93	3.57E-02	2.51E-02	0.035696	0.005	0.004	0.005
1566 ALL	577924.35	4137503.91	3.40E-02	2.39E-02	0.033985	0.005	0.003	0.005
1567 ALL	577932.25	4137508.89	3.15E-02	2.21E-02	0.031487	0.004	0.003	0.004
1568 ALL	577880.52	4137476.32	3.04E-02	2.14E-02	0.030381	0.004	0.003	0.004
1569 ALL	577870.65	4137462.24	2.58E-02	1.81E-02	0.025797	0.003	0.003	0.003
1570 ALL	577903.22	4137502.42	3.26E-02	2.29E-02	0.032594	0.004	0.003	0.004
1571 ALL	577911.12	4137507.4	3.19E-02	2.25E-02	0.031946	0.004	0.003	0.004
1572 ALL	577919.02	4137512.37	3.05E-02	2.14E-02	0.030476	0.004	0.003	0.004
1573 ALL	577926.92	4137517.35	2.84E-02	2.00E-02	0.028384	0.004	0.003	0.004
1574 ALL	577934.82	4137522.32	2.59E-02	1.82E-02	0.025911	0.003	0.003	0.003
1575 ALL	577874.48	4137498.61	2.70E-02	1.90E-02	0.027014	0.004	0.003	0.004
1576 ALL	577869.19	4137491.05	2.61E-02	1.84E-02	0.026141	0.003	0.003	0.003
1577 ALL	577863.89	4137483.5	2.47E-02	1.74E-02	0.024703	0.003	0.003	0.003
1578 ALL	577858.59	4137475.94	2.28E-02	1.60E-02	0.022816	0.003	0.002	0.003
1579 ALL	577845.56	4137365.59	6.19E-03	4.35E-03	0.006191	0.001	0.001	0.001
1580 ALL	577847.24	4137356.52	5.91E-03	4.16E-03	0.005908	0.001	0.001	0.001
1581 ALL	577892.97	4137518.69	2.69E-02	1.89E-02	0.026932	0.004	0.003	0.004
1582 ALL	577900.87	4137523.67	2.63E-02	1.85E-02	0.026316	0.003	0.003	0.003
1583 ALL	577908.77	4137528.64	2.52E-02	1.77E-02	0.025185	0.003	0.003	0.003
1584 ALL	577864.57	4137515.37	2.33E-02	1.64E-02	0.023276	0.003	0.002	0.003
1585 ALL	577854.32	4137500.74	2.21E-02	1.55E-02	0.022105	0.003	0.002	0.003
1586 ALL	577821.45	4137398.35	6.51E-03	4.58E-03	0.00651	0.001	0.001	0.001
1587 ALL	577824.7	4137380.8	5.60E-03	3.94E-03	0.005603	0.001	0.001	0.001
1588 ALL	577827.96	4137363.24	4.98E-03	3.50E-03	0.004975	0.001	0.001	0.001
1589 ALL	577849.57	4137524.85	2.01E-02	1.41E-02	0.020068	0.003	0.002	0.003
1590 ALL	577839.56	4137510.57	1.90E-02	1.33E-02	0.018977	0.003	0.002	0.003
1591 ALL	577796.12	4137437.77	7.44E-03	5.23E-03	0.007439	0.001	0.001	0.001
1592 ALL	577799.29	4137420.63	6.45E-03	4.54E-03	0.006451	0.001	0.001	0.001
1593 ALL	577802.47	4137403.49	5.57E-03	3.92E-03	0.005568	0.001	0.001	0.001
1594 ALL	577805.64	4137386.35	4.84E-03	3.41E-03	0.004844	0.001	0.000	0.001
1595 ALL	577808.82	4137369.2	4.30E-03	3.03E-03	0.004302	0.001	0.000	0.001
1596 ALL	577811.99	4137352.06	3.96E-03	2.78E-03	0.003956	0.001	0.000	0.001
1597 ALL	577880.38	4137556.21	1.90E-02	1.34E-02	0.018999	0.003	0.002	0.003
1598 ALL	577888.28	4137561.19	1.83E-02	1.28E-02	0.018263	0.002	0.002	0.002
1599 ALL	577896.18	4137566.16	1.73E-02	1.22E-02	0.017321	0.002	0.002	0.002

1600 ALL	577904.08	4137571.14	1.62E-02	1.14E-02	0.016242	0.002	0.002	0.002
1601 ALL	577849.09	4137555.06	1.75E-02	1.23E-02	0.017492	0.002	0.002	0.002
1602 ALL	577828.13	4137525.16	1.69E-02	1.19E-02	0.016903	0.002	0.002	0.002
1603 ALL	577777.4	4137441.45	6.25E-03	4.40E-03	0.006253	0.001	0.001	0.001
1604 ALL	577779.06	4137432.48	5.83E-03	4.10E-03	0.005831	0.001	0.001	0.001
1605 ALL	577780.72	4137423.5	5.43E-03	3.82E-03	0.005426	0.001	0.001	0.001
1606 ALL	577782.39	4137414.53	5.05E-03	3.55E-03	0.005047	0.001	0.001	0.001
1607 ALL	577784.05	4137405.55	4.70E-03	3.30E-03	0.004696	0.001	0.000	0.001
1608 ALL	577785.71	4137396.58	4.38E-03	3.08E-03	0.00438	0.001	0.000	0.001
1609 ALL	577787.37	4137387.6	4.10E-03	2.88E-03	0.004101	0.001	0.000	0.001
1610 ALL	577790.7	4137369.65	3.66E-03	2.57E-03	0.003655	0.000	0.000	0.000
1611 ALL	577792.36	4137360.68	3.49E-03	2.45E-03	0.00349	0.000	0.000	0.000
1612 ALL	577794.02	4137351.7	3.36E-03	2.36E-03	0.003362	0.000	0.000	0.000
1613 ALL	577795.69	4137342.73	3.27E-03	2.30E-03	0.003273	0.000	0.000	0.000
1614 ALL	577797.35	4137333.75	3.22E-03	2.27E-03	0.003221	0.000	0.000	0.000
1615 ALL	577799.01	4137324.78	3.21E-03	2.26E-03	0.003208	0.000	0.000	0.000
1616 ALL	577854.33	4137562.53	1.71E-02	1.20E-02	0.017076	0.002	0.002	0.002
1617 ALL	577862.23	4137567.51	1.69E-02	1.19E-02	0.016869	0.002	0.002	0.002
1618 ALL	577870.13	4137572.48	1.65E-02	1.16E-02	0.016459	0.002	0.002	0.002
1619 ALL	577878.03	4137577.46	1.59E-02	1.12E-02	0.01587	0.002	0.002	0.002
1620 ALL	577885.93	4137582.44	1.51E-02	1.06E-02	0.015126	0.002	0.002	0.002
1621 ALL	577893.83	4137587.41	1.43E-02	1.00E-02	0.014265	0.002	0.001	0.002
1622 ALL	577838.95	4137571.49	1.54E-02	1.08E-02	0.015373	0.002	0.002	0.002
1623 ALL	577828.7	4137556.87	1.57E-02	1.10E-02	0.015686	0.002	0.002	0.002
1624 ALL	577772.32	4137476.45	8.00E-03	5.63E-03	0.007999	0.001	0.001	0.001
1625 ALL	577762.07	4137461.82	6.37E-03	4.48E-03	0.006372	0.001	0.001	0.001
1626 ALL	577758.57	4137445.73	5.32E-03	3.74E-03	0.005318	0.001	0.001	0.001
1627 ALL	577761.82	4137428.17	4.66E-03	3.28E-03	0.004658	0.001	0.000	0.001
1628 ALL	577765.08	4137410.61	4.08E-03	2.87E-03	0.004075	0.001	0.000	0.001
1629 ALL	577768.33	4137393.05	3.59E-03	2.53E-03	0.003592	0.000	0.000	0.000
1630 ALL	577771.58	4137375.5	3.22E-03	2.26E-03	0.003218	0.000	0.000	0.000
1631 ALL	577774.84	4137357.94	2.95E-03	2.08E-03	0.002951	0.000	0.000	0.000
1632 ALL	577778.09	4137340.38	2.79E-03	1.96E-03	0.002786	0.000	0.000	0.000
1633 ALL	577779.71	4137331.6	2.74E-03	1.93E-03	0.002741	0.000	0.000	0.000
1634 ALL	577851.98	4137583.78	1.48E-02	1.04E-02	0.014782	0.002	0.002	0.002
1635 ALL	577859.88	4137588.76	1.44E-02	1.01E-02	0.014422	0.002	0.001	0.002
1636 ALL	577867.78	4137593.73	1.39E-02	9.79E-03	0.013926	0.002	0.001	0.002
1637 ALL	577875.68	4137598.71	1.33E-02	9.36E-03	0.013316	0.002	0.001	0.002
1638 ALL	577883.58	4137603.68	1.26E-02	8.88E-03	0.012625	0.002	0.001	0.002
1639 ALL	577828.51	4137587.49	1.36E-02	9.59E-03	0.013642	0.002	0.001	0.002
1640 ALL	577823.2	4137579.91	1.39E-02	9.76E-03	0.013886	0.002	0.001	0.002
1641 ALL	577817.88	4137572.33	1.40E-02	9.84E-03	0.013996	0.002	0.001	0.002
1642 ALL	577812.57	4137564.75	1.40E-02	9.82E-03	0.013961	0.002	0.001	0.002
1643 ALL	577807.25	4137557.17	1.38E-02	9.69E-03	0.013776	0.002	0.001	0.002
1644 ALL	577764.73	4137496.51	8.43E-03	5.93E-03	0.00843	0.001	0.001	0.001
1645 ALL	577759.42	4137488.93	7.62E-03	5.36E-03	0.007621	0.001	0.001	0.001
1646 ALL	577754.1	4137481.34	6.84E-03	4.81E-03	0.006845	0.001	0.001	0.001
1647 ALL	577748.78	4137473.76	6.12E-03	4.30E-03	0.006122	0.001	0.001	0.001
1648 ALL	577743.47	4137466.18	5.46E-03	3.84E-03	0.005459	0.001	0.001	0.001
1649 ALL	577739.84	4137449.49	4.56E-03	3.21E-03	0.00456	0.001	0.000	0.001
1650 ALL	577741.53	4137440.39	4.27E-03	3.00E-03	0.004271	0.001	0.000	0.001
1651 ALL	577743.21	4137431.28	4.00E-03	2.81E-03	0.003997	0.001	0.000	0.001
1652 ALL	577744.9	4137422.18	3.74E-03	2.63E-03	0.003741	0.000	0.000	0.000
1653 ALL	577746.59	4137413.07	3.51E-03	2.47E-03	0.003505	0.000	0.000	0.000
1654 ALL	577748.27	4137403.97	3.29E-03	2.31E-03	0.00329	0.000	0.000	0.000
1655 ALL	577749.96	4137394.86	3.10E-03	2.18E-03	0.003098	0.000	0.000	0.000
1656 ALL	577751.65	4137385.76	2.93E-03	2.06E-03	0.002929	0.000	0.000	0.000
1657 ALL	577753.33	4137376.66	2.78E-03	1.96E-03	0.002783	0.000	0.000	0.000
1658 ALL	577755.02	4137367.55	2.66E-03	1.87E-03	0.00266	0.000	0.000	0.000
1659 ALL	577756.71	4137358.45	2.56E-03	1.80E-03	0.002559	0.000	0.000	0.000
1660 ALL	577758.39	4137349.34	2.48E-03	1.74E-03	0.002476	0.000	0.000	0.000
1661 ALL	577760.08	4137340.24	2.41E-03	1.70E-03	0.002412	0.000	0.000	0.000
1662 ALL	577761.77	4137331.13	2.36E-03	1.66E-03	0.002364	0.000	0.000	0.000
1663 ALL	577763.45	4137322.03	2.34E-03	1.64E-03	0.002336	0.000	0.000	0.000

1664 ALL	577765.14	4137312.92	2.33E-03	1.64E-03	0.002334	0.000	0.000	0.000
1665 ALL	577766.83	4137303.82	2.35E-03	1.66E-03	0.002355	0.000	0.000	0.000
1666 ALL	577833.83	4137595.08	1.33E-02	9.34E-03	0.01328	0.002	0.001	0.002
1667 ALL	577841.73	4137600.05	1.31E-02	9.20E-03	0.013081	0.002	0.001	0.002
1668 ALL	577849.63	4137605.03	1.28E-02	8.98E-03	0.012763	0.002	0.001	0.002
1669 ALL	577857.53	4137610	1.23E-02	8.68E-03	0.012343	0.002	0.001	0.002
1670 ALL	577865.43	4137614.98	1.18E-02	8.32E-03	0.011831	0.002	0.001	0.002
1671 ALL	577873.33	4137619.96	1.13E-02	7.92E-03	0.01126	0.001	0.001	0.001
1672 ALL	577818.37	4137603.91	1.22E-02	8.57E-03	0.012185	0.002	0.001	0.002
1673 ALL	577813.16	4137596.48	1.24E-02	8.74E-03	0.012423	0.002	0.001	0.002
1674 ALL	577807.95	4137589.05	1.26E-02	8.83E-03	0.012559	0.002	0.001	0.002
1675 ALL	577802.74	4137581.61	1.26E-02	8.85E-03	0.012589	0.002	0.001	0.002
1676 ALL	577792.31	4137566.75	1.23E-02	8.65E-03	0.012307	0.002	0.001	0.002
1677 ALL	577787.1	4137559.32	1.20E-02	8.44E-03	0.012	0.002	0.001	0.002
1678 ALL	577766.26	4137529.58	9.86E-03	6.93E-03	0.009856	0.001	0.001	0.001
1679 ALL	577755.84	4137514.72	8.48E-03	5.96E-03	0.008482	0.001	0.001	0.001
1680 ALL	577750.63	4137507.28	7.78E-03	5.47E-03	0.007784	0.001	0.001	0.001
1681 ALL	577745.42	4137499.85	7.10E-03	4.99E-03	0.007101	0.001	0.001	0.001
1682 ALL	577735	4137484.98	5.81E-03	4.09E-03	0.005815	0.001	0.001	0.001
1683 ALL	577729.78	4137477.55	5.23E-03	3.68E-03	0.005235	0.001	0.001	0.001
1684 ALL	577724.57	4137470.12	4.71E-03	3.31E-03	0.004708	0.001	0.000	0.001
1685 ALL	577721.02	4137453.76	3.98E-03	2.80E-03	0.003981	0.001	0.000	0.001
1686 ALL	577722.67	4137444.83	3.74E-03	2.63E-03	0.00374	0.000	0.000	0.000
1687 ALL	577725.98	4137426.98	3.30E-03	2.32E-03	0.003297	0.000	0.000	0.000
1688 ALL	577727.63	4137418.05	3.10E-03	2.18E-03	0.0031	0.000	0.000	0.000
1689 ALL	577730.94	4137400.2	2.76E-03	1.94E-03	0.002758	0.000	0.000	0.000
1690 ALL	577732.59	4137391.28	2.61E-03	1.84E-03	0.002612	0.000	0.000	0.000
1691 ALL	577734.24	4137382.35	2.49E-03	1.75E-03	0.002485	0.000	0.000	0.000
1692 ALL	577737.55	4137364.5	2.29E-03	1.61E-03	0.002288	0.000	0.000	0.000
1693 ALL	577739.2	4137355.57	2.21E-03	1.56E-03	0.002214	0.000	0.000	0.000
1694 ALL	577742.51	4137337.72	2.11E-03	1.48E-03	0.002107	0.000	0.000	0.000
1695 ALL	577744.16	4137328.8	2.07E-03	1.46E-03	0.002074	0.000	0.000	0.000
1696 ALL	577745.82	4137319.87	2.05E-03	1.44E-03	0.002053	0.000	0.000	0.000
1697 ALL	577749.12	4137302.02	2.06E-03	1.45E-03	0.00206	0.000	0.000	0.000
1698 ALL	577831.48	4137616.32	1.17E-02	8.21E-03	0.011672	0.002	0.001	0.002
1699 ALL	577839.38	4137621.3	1.14E-02	8.01E-03	0.011393	0.002	0.001	0.002
1700 ALL	577847.28	4137626.28	1.10E-02	7.76E-03	0.011035	0.001	0.001	0.001
1701 ALL	577855.18	4137631.25	1.06E-02	7.46E-03	0.010611	0.001	0.001	0.001
1702 ALL	577863.08	4137636.23	1.01E-02	7.13E-03	0.010136	0.001	0.001	0.001
1703 ALL	577808.2	4137620.31	1.10E-02	7.71E-03	0.010965	0.001	0.001	0.001
1704 ALL	577797.95	4137605.69	1.13E-02	7.97E-03	0.011339	0.002	0.001	0.002
1705 ALL	577792.83	4137598.37	1.14E-02	8.02E-03	0.011403	0.002	0.001	0.002
1706 ALL	577782.58	4137583.75	1.13E-02	7.93E-03	0.011272	0.001	0.001	0.001
1707 ALL	577772.33	4137569.13	1.08E-02	7.59E-03	0.010792	0.001	0.001	0.001
1708 ALL	577767.2	4137561.82	1.04E-02	7.33E-03	0.010429	0.001	0.001	0.001
1709 ALL	577736.45	4137517.95	7.20E-03	5.06E-03	0.007198	0.001	0.001	0.001
1710 ALL	577726.2	4137503.33	6.05E-03	4.26E-03	0.006051	0.001	0.001	0.001
1711 ALL	577715.95	4137488.7	5.01E-03	3.52E-03	0.005008	0.001	0.001	0.001
1712 ALL	577705.7	4137474.08	4.11E-03	2.89E-03	0.004111	0.001	0.000	0.001
1713 ALL	577702.2	4137457.99	3.51E-03	2.47E-03	0.003514	0.000	0.000	0.000
1714 ALL	577705.45	4137440.43	3.12E-03	2.19E-03	0.00312	0.000	0.000	0.000
1715 ALL	577708.7	4137422.87	2.77E-03	1.95E-03	0.002771	0.000	0.000	0.000
1716 ALL	577711.96	4137405.31	2.48E-03	1.74E-03	0.002478	0.000	0.000	0.000
1717 ALL	577715.21	4137387.75	2.25E-03	1.58E-03	0.002249	0.000	0.000	0.000
1718 ALL	577718.46	4137370.2	2.07E-03	1.46E-03	0.002073	0.000	0.000	0.000
1719 ALL	577721.71	4137352.64	1.95E-03	1.37E-03	0.001947	0.000	0.000	0.000
1720 ALL	577723.34	4137343.86	1.90E-03	1.34E-03	0.001902	0.000	0.000	0.000
1721 ALL	577726.59	4137326.3	1.85E-03	1.30E-03	0.001846	0.000	0.000	0.000
1722 ALL	577729.84	4137308.74	1.82E-03	1.28E-03	0.001825	0.000	0.000	0.000
1723 ALL	577733.1	4137291.18	1.84E-03	1.30E-03	0.001843	0.000	0.000	0.000
1724 ALL	577821.23	4137632.6	1.05E-02	7.38E-03	0.010492	0.001	0.001	0.001
1725 ALL	577829.13	4137637.57	1.02E-02	7.20E-03	0.010244	0.001	0.001	0.001
1726 ALL	577837.03	4137642.55	9.93E-03	6.99E-03	0.009935	0.001	0.001	0.001
1727 ALL	577844.93	4137647.52	9.57E-03	6.73E-03	0.009574	0.001	0.001	0.001

1728 ALL	577852.83	4137652.5	9.17E-03	6.45E-03	0.009167	0.001	0.001	0.001
1729 ALL	577797.81	4137636.37	9.94E-03	6.99E-03	0.009937	0.001	0.001	0.001
1730 ALL	577792.53	4137628.84	1.02E-02	7.14E-03	0.010154	0.001	0.001	0.001
1731 ALL	577787.26	4137621.32	1.03E-02	7.25E-03	0.010304	0.001	0.001	0.001
1732 ALL	577781.98	4137613.8	1.04E-02	7.30E-03	0.010383	0.001	0.001	0.001
1733 ALL	577776.71	4137606.28	1.04E-02	7.30E-03	0.010387	0.001	0.001	0.001
1734 ALL	577771.44	4137598.75	1.03E-02	7.25E-03	0.010315	0.001	0.001	0.001
1735 ALL	577766.16	4137591.23	1.02E-02	7.15E-03	0.010166	0.001	0.001	0.001
1736 ALL	577760.89	4137583.71	9.94E-03	6.99E-03	0.009941	0.001	0.001	0.001
1737 ALL	577755.61	4137576.18	9.64E-03	6.78E-03	0.009642	0.001	0.001	0.001
1738 ALL	577750.34	4137568.66	9.28E-03	6.52E-03	0.009279	0.001	0.001	0.001
1739 ALL	577745.07	4137561.14	8.86E-03	6.23E-03	0.00886	0.001	0.001	0.001
1740 ALL	577739.79	4137553.61	8.40E-03	5.90E-03	0.008395	0.001	0.001	0.001
1741 ALL	577718.7	4137523.52	6.32E-03	4.44E-03	0.006315	0.001	0.001	0.001
1742 ALL	577713.42	4137516	5.80E-03	4.08E-03	0.005802	0.001	0.001	0.001
1743 ALL	577708.15	4137508.47	5.31E-03	3.73E-03	0.00531	0.001	0.001	0.001
1744 ALL	577702.88	4137500.95	4.85E-03	3.41E-03	0.004845	0.001	0.000	0.001
1745 ALL	577697.6	4137493.43	4.41E-03	3.10E-03	0.004407	0.001	0.000	0.001
1746 ALL	577692.33	4137485.9	4.00E-03	2.81E-03	0.004001	0.001	0.000	0.001
1747 ALL	577687.05	4137478.38	3.63E-03	2.55E-03	0.003628	0.000	0.000	0.000
1748 ALL	577683.45	4137461.82	3.11E-03	2.19E-03	0.003113	0.000	0.000	0.000
1749 ALL	577685.13	4137452.79	2.94E-03	2.07E-03	0.002939	0.000	0.000	0.000
1750 ALL	577686.8	4137443.76	2.77E-03	1.95E-03	0.002771	0.000	0.000	0.000
1751 ALL	577688.47	4137434.72	2.61E-03	1.84E-03	0.002613	0.000	0.000	0.000
1752 ALL	577690.15	4137425.69	2.47E-03	1.74E-03	0.002467	0.000	0.000	0.000
1753 ALL	577691.82	4137416.65	2.33E-03	1.64E-03	0.002333	0.000	0.000	0.000
1754 ALL	577693.49	4137407.62	2.21E-03	1.55E-03	0.00221	0.000	0.000	0.000
1755 ALL	577695.17	4137398.58	2.11E-03	1.48E-03	0.002105	0.000	0.000	0.000
1756 ALL	577696.84	4137389.55	2.01E-03	1.42E-03	0.002012	0.000	0.000	0.000
1757 ALL	577698.51	4137380.52	1.93E-03	1.36E-03	0.001931	0.000	0.000	0.000
1758 ALL	577700.19	4137371.48	1.86E-03	1.31E-03	0.001862	0.000	0.000	0.000
1759 ALL	577701.86	4137362.45	1.80E-03	1.27E-03	0.001803	0.000	0.000	0.000
1760 ALL	577703.53	4137353.41	1.75E-03	1.23E-03	0.001753	0.000	0.000	0.000
1761 ALL	577705.21	4137344.38	1.71E-03	1.21E-03	0.001715	0.000	0.000	0.000
1762 ALL	577706.88	4137335.35	1.69E-03	1.19E-03	0.00169	0.000	0.000	0.000
1763 ALL	577708.55	4137326.31	1.67E-03	1.18E-03	0.001671	0.000	0.000	0.000
1764 ALL	577710.23	4137317.28	1.66E-03	1.17E-03	0.001658	0.000	0.000	0.000
1765 ALL	577711.9	4137308.24	1.65E-03	1.16E-03	0.001651	0.000	0.000	0.000
1766 ALL	577713.57	4137299.21	1.65E-03	1.16E-03	0.001652	0.000	0.000	0.000
1767 ALL	577715.25	4137290.18	1.66E-03	1.17E-03	0.00166	0.000	0.000	0.000
1768 ALL	577716.92	4137281.14	1.68E-03	1.18E-03	0.001676	0.000	0.000	0.000
1769 ALL	577718.6	4137272.11	1.70E-03	1.20E-03	0.001699	0.000	0.000	0.000
1770 ALL	577803.08	4137643.89	9.67E-03	6.80E-03	0.009666	0.001	0.001	0.001
1771 ALL	577810.98	4137648.87	9.50E-03	6.68E-03	0.009499	0.001	0.001	0.001
1772 ALL	577818.88	4137653.84	9.27E-03	6.52E-03	0.00927	0.001	0.001	0.001
1773 ALL	577826.78	4137658.82	8.99E-03	6.32E-03	0.008992	0.001	0.001	0.001
1774 ALL	577834.68	4137663.8	8.68E-03	6.10E-03	0.008675	0.001	0.001	0.001
1775 ALL	577842.58	4137668.77	8.33E-03	5.86E-03	0.008327	0.001	0.001	0.001
1776 ALL	57787.64	4137652.75	9.04E-03	6.36E-03	0.009045	0.001	0.001	0.001
1777 ALL	57782.44	4137645.35	9.24E-03	6.50E-03	0.009243	0.001	0.001	0.001
1778 ALL	577772.06	4137630.53	9.48E-03	6.67E-03	0.009484	0.001	0.001	0.001
1779 ALL	577766.86	4137623.12	9.52E-03	6.69E-03	0.009517	0.001	0.001	0.001
1780 ALL	577756.48	4137608.3	9.40E-03	6.61E-03	0.009397	0.001	0.001	0.001
1781 ALL	577746.09	4137593.48	9.03E-03	6.35E-03	0.009035	0.001	0.001	0.001
1782 ALL	577740.89	4137586.08	8.77E-03	6.17E-03	0.008768	0.001	0.001	0.001
1783 ALL	577730.51	4137571.26	8.08E-03	5.68E-03	0.008082	0.001	0.001	0.001
1784 ALL	577725.31	4137563.85	7.68E-03	5.40E-03	0.007676	0.001	0.001	0.001
1785 ALL	577699.34	4137526.8	5.43E-03	3.82E-03	0.005434	0.001	0.001	0.001
1786 ALL	577688.96	4137511.99	4.60E-03	3.23E-03	0.004596	0.001	0.000	0.001
1787 ALL	577683.76	4137504.58	4.21E-03	2.96E-03	0.004212	0.001	0.000	0.001
1788 ALL	577673.38	4137489.76	3.52E-03	2.48E-03	0.00352	0.000	0.000	0.000
1789 ALL	577668.18	4137482.35	3.21E-03	2.26E-03	0.003209	0.000	0.000	0.000
1790 ALL	577664.64	4137466.05	2.78E-03	1.96E-03	0.00278	0.000	0.000	0.000
1791 ALL	577667.93	4137448.25	2.49E-03	1.75E-03	0.002494	0.000	0.000	0.000

1792 ALL	577669.58	4137439.36	2.36E-03	1.66E-03	0.002361	0.000	0.000	0.000
1793 ALL	577672.88	4137421.56	2.12E-03	1.49E-03	0.002124	0.000	0.000	0.000
1794 ALL	577676.17	4137403.77	1.93E-03	1.36E-03	0.001927	0.000	0.000	0.000
1795 ALL	577677.82	4137394.87	1.85E-03	1.30E-03	0.001846	0.000	0.000	0.000
1796 ALL	577681.12	4137377.08	1.71E-03	1.20E-03	0.001713	0.000	0.000	0.000
1797 ALL	577684.41	4137359.29	1.62E-03	1.14E-03	0.001624	0.000	0.000	0.000
1798 ALL	577687.71	4137341.49	1.56E-03	1.10E-03	0.001559	0.000	0.000	0.000
1799 ALL	577689.36	4137332.6	1.54E-03	1.08E-03	0.001537	0.000	0.000	0.000
1800 ALL	577692.65	4137314.8	1.51E-03	1.06E-03	0.001505	0.000	0.000	0.000
1801 ALL	577695.95	4137297.01	1.49E-03	1.05E-03	0.001489	0.000	0.000	0.000
1802 ALL	577697.6	4137288.12	1.49E-03	1.05E-03	0.001489	0.000	0.000	0.000
1803 ALL	577700.89	4137270.32	1.51E-03	1.06E-03	0.001512	0.000	0.000	0.000
1804 ALL	577792.83	4137660.16	8.80E-03	6.19E-03	0.008802	0.001	0.001	0.001
1805 ALL	577800.73	4137665.14	8.65E-03	6.08E-03	0.008646	0.001	0.001	0.001
1806 ALL	577808.63	4137670.12	8.44E-03	5.93E-03	0.00844	0.001	0.001	0.001
1807 ALL	577816.53	4137675.09	8.19E-03	5.76E-03	0.00819	0.001	0.001	0.001
1808 ALL	577824.43	4137680.07	7.91E-03	5.56E-03	0.007908	0.001	0.001	0.001
1809 ALL	577832.33	4137685.04	7.61E-03	5.35E-03	0.00761	0.001	0.001	0.001
1810 ALL	577777.26	4137668.84	8.29E-03	5.83E-03	0.008285	0.001	0.001	0.001
1811 ALL	577771.94	4137661.25	8.47E-03	5.96E-03	0.008472	0.001	0.001	0.001
1812 ALL	577766.61	4137653.66	8.62E-03	6.06E-03	0.008616	0.001	0.001	0.001
1813 ALL	577761.29	4137646.07	8.71E-03	6.12E-03	0.008709	0.001	0.001	0.001
1814 ALL	577755.97	4137638.47	8.75E-03	6.15E-03	0.008746	0.001	0.001	0.001
1815 ALL	577750.65	4137630.88	8.73E-03	6.14E-03	0.008733	0.001	0.001	0.001
1816 ALL	577745.32	4137623.29	8.67E-03	6.09E-03	0.008667	0.001	0.001	0.001
1817 ALL	577740	4137615.7	8.55E-03	6.01E-03	0.00855	0.001	0.001	0.001
1818 ALL	577734.68	4137608.1	8.38E-03	5.89E-03	0.008381	0.001	0.001	0.001
1819 ALL	577729.36	4137600.51	8.16E-03	5.74E-03	0.008162	0.001	0.001	0.001
1820 ALL	577724.03	4137592.92	7.89E-03	5.55E-03	0.007893	0.001	0.001	0.001
1821 ALL	577718.71	4137585.32	7.58E-03	5.33E-03	0.007581	0.001	0.001	0.001
1822 ALL	577713.39	4137577.73	7.23E-03	5.08E-03	0.007228	0.001	0.001	0.001
1823 ALL	577708.07	4137570.14	6.85E-03	4.82E-03	0.006847	0.001	0.001	0.001
1824 ALL	577702.74	4137562.55	6.44E-03	4.53E-03	0.006444	0.001	0.001	0.001
1825 ALL	577697.42	4137554.95	6.03E-03	4.24E-03	0.00603	0.001	0.001	0.001
1826 ALL	577676.13	4137524.58	4.42E-03	3.11E-03	0.004418	0.001	0.000	0.001
1827 ALL	577670.81	4137516.99	4.07E-03	2.86E-03	0.004067	0.001	0.000	0.001
1828 ALL	577665.49	4137509.4	3.74E-03	2.63E-03	0.003739	0.000	0.000	0.000
1829 ALL	577660.16	4137501.81	3.43E-03	2.41E-03	0.003428	0.000	0.000	0.000
1830 ALL	577654.84	4137494.21	3.14E-03	2.21E-03	0.003136	0.000	0.000	0.000
1831 ALL	577649.52	4137486.62	2.86E-03	2.01E-03	0.002864	0.000	0.000	0.000
1832 ALL	577645.89	4137469.91	2.49E-03	1.75E-03	0.002487	0.000	0.000	0.000
1833 ALL	577647.57	4137460.8	2.36E-03	1.66E-03	0.00236	0.000	0.000	0.000
1834 ALL	577649.26	4137451.68	2.24E-03	1.57E-03	0.002237	0.000	0.000	0.000
1835 ALL	577650.95	4137442.56	2.12E-03	1.49E-03	0.002121	0.000	0.000	0.000
1836 ALL	577652.64	4137433.44	2.01E-03	1.42E-03	0.002014	0.000	0.000	0.000
1837 ALL	577654.33	4137424.33	1.92E-03	1.35E-03	0.001917	0.000	0.000	0.000
1838 ALL	577656.02	4137415.21	1.83E-03	1.29E-03	0.001827	0.000	0.000	0.000
1839 ALL	577657.71	4137406.09	1.75E-03	1.23E-03	0.001747	0.000	0.000	0.000
1840 ALL	577659.4	4137396.98	1.68E-03	1.18E-03	0.001681	0.000	0.000	0.000
1841 ALL	577661.08	4137387.86	1.62E-03	1.14E-03	0.001621	0.000	0.000	0.000
1842 ALL	577662.77	4137378.74	1.57E-03	1.10E-03	0.001568	0.000	0.000	0.000
1843 ALL	577664.46	4137369.62	1.53E-03	1.07E-03	0.001525	0.000	0.000	0.000
1844 ALL	577666.15	4137360.51	1.49E-03	1.05E-03	0.001489	0.000	0.000	0.000
1845 ALL	577667.84	4137351.39	1.46E-03	1.02E-03	0.001457	0.000	0.000	0.000
1846 ALL	577669.53	4137342.27	1.43E-03	1.01E-03	0.00143	0.000	0.000	0.000
1847 ALL	577671.22	4137333.15	1.41E-03	9.89E-04	0.001407	0.000	0.000	0.000
1848 ALL	577672.91	4137324.04	1.38E-03	9.74E-04	0.001385	0.000	0.000	0.000
1849 ALL	577674.6	4137314.92	1.37E-03	9.62E-04	0.001367	0.000	0.000	0.000
1850 ALL	577676.28	4137305.8	1.36E-03	9.53E-04	0.001355	0.000	0.000	0.000
1851 ALL	577677.97	4137296.69	1.35E-03	9.48E-04	0.001348	0.000	0.000	0.000
1852 ALL	577679.66	4137287.57	1.35E-03	9.46E-04	0.001345	0.000	0.000	0.000
1853 ALL	577681.35	4137278.45	1.35E-03	9.48E-04	0.001348	0.000	0.000	0.000
1854 ALL	577683.04	4137269.33	1.36E-03	9.54E-04	0.001356	0.000	0.000	0.000
1855 ALL	577684.73	4137260.22	1.37E-03	9.64E-04	0.001371	0.000	0.000	0.000

1856 ALL	577686.42	4137251.1	1.39E-03	9.78E-04	0.001391	0.000	0.000	0.000
1857 ALL	577782.58	4137676.44	8.06E-03	5.67E-03	0.008061	0.001	0.001	0.001
1858 ALL	577790.48	4137681.41	7.92E-03	5.57E-03	0.007916	0.001	0.001	0.001
1859 ALL	577798.38	4137686.39	7.73E-03	5.44E-03	0.007731	0.001	0.001	0.001
1860 ALL	577806.28	4137691.36	7.51E-03	5.28E-03	0.007512	0.001	0.001	0.001
1861 ALL	577814.18	4137696.34	7.26E-03	5.11E-03	0.007264	0.001	0.001	0.001
1862 ALL	577822.08	4137701.32	6.99E-03	4.92E-03	0.006992	0.001	0.001	0.001
1863 ALL	577767.09	4137685.22	7.62E-03	5.36E-03	0.007617	0.001	0.001	0.001
1864 ALL	577761.84	4137677.74	7.79E-03	5.48E-03	0.00779	0.001	0.001	0.001
1865 ALL	577756.59	4137670.25	7.92E-03	5.57E-03	0.007917	0.001	0.001	0.001
1866 ALL	577751.34	4137662.77	8.01E-03	5.63E-03	0.008007	0.001	0.001	0.001
1867 ALL	577746.1	4137655.28	8.05E-03	5.66E-03	0.008055	0.001	0.001	0.001
1868 ALL	577740.85	4137647.79	8.06E-03	5.67E-03	0.008059	0.001	0.001	0.001
1869 ALL	577735.6	4137640.31	8.03E-03	5.65E-03	0.008028	0.001	0.001	0.001
1870 ALL	577730.35	4137632.82	7.96E-03	5.60E-03	0.00796	0.001	0.001	0.001
1871 ALL	577725.11	4137625.34	7.85E-03	5.52E-03	0.007851	0.001	0.001	0.001
1872 ALL	577719.86	4137617.85	7.69E-03	5.41E-03	0.007694	0.001	0.001	0.001
1873 ALL	577714.61	4137610.37	7.49E-03	5.27E-03	0.007491	0.001	0.001	0.001
1874 ALL	577704.12	4137595.4	6.97E-03	4.90E-03	0.006972	0.001	0.001	0.001
1875 ALL	577698.87	4137587.91	6.66E-03	4.69E-03	0.006663	0.001	0.001	0.001
1876 ALL	577693.62	4137580.43	6.33E-03	4.45E-03	0.006327	0.001	0.001	0.001
1877 ALL	577688.37	4137572.94	5.97E-03	4.20E-03	0.005974	0.001	0.001	0.001
1878 ALL	577683.13	4137565.46	5.61E-03	3.95E-03	0.00561	0.001	0.001	0.001
1879 ALL	577677.88	4137557.97	5.24E-03	3.69E-03	0.00524	0.001	0.001	0.001
1880 ALL	577672.63	4137550.48	4.88E-03	3.43E-03	0.004879	0.001	0.000	0.001
1881 ALL	577656.89	4137528.03	3.88E-03	2.73E-03	0.003876	0.001	0.000	0.001
1882 ALL	577651.64	4137520.54	3.58E-03	2.52E-03	0.003581	0.000	0.000	0.000
1883 ALL	577646.39	4137513.06	3.30E-03	2.32E-03	0.003301	0.000	0.000	0.000
1884 ALL	577641.15	4137505.57	3.04E-03	2.14E-03	0.003038	0.000	0.000	0.000
1885 ALL	577635.9	4137498.09	2.80E-03	1.97E-03	0.002795	0.000	0.000	0.000
1886 ALL	577630.65	4137490.6	2.57E-03	1.81E-03	0.002567	0.000	0.000	0.000
1887 ALL	577627.07	4137474.13	2.24E-03	1.58E-03	0.002245	0.000	0.000	0.000
1888 ALL	577628.73	4137465.14	2.14E-03	1.50E-03	0.002137	0.000	0.000	0.000
1889 ALL	577630.4	4137456.15	2.03E-03	1.43E-03	0.002033	0.000	0.000	0.000
1890 ALL	577632.06	4137447.16	1.93E-03	1.36E-03	0.001934	0.000	0.000	0.000
1891 ALL	577633.73	4137438.17	1.84E-03	1.30E-03	0.001842	0.000	0.000	0.000
1892 ALL	577635.39	4137429.18	1.76E-03	1.24E-03	0.001759	0.000	0.000	0.000
1893 ALL	577637.06	4137420.2	1.68E-03	1.18E-03	0.001683	0.000	0.000	0.000
1894 ALL	577638.72	4137411.21	1.61E-03	1.13E-03	0.001614	0.000	0.000	0.000
1895 ALL	577640.39	4137402.22	1.55E-03	1.09E-03	0.001555	0.000	0.000	0.000
1896 ALL	577642.05	4137393.23	1.50E-03	1.06E-03	0.001505	0.000	0.000	0.000
1897 ALL	577643.72	4137384.24	1.46E-03	1.03E-03	0.001461	0.000	0.000	0.000
1898 ALL	577645.38	4137375.25	1.42E-03	9.99E-04	0.001421	0.000	0.000	0.000
1899 ALL	577647.05	4137366.26	1.39E-03	9.74E-04	0.001385	0.000	0.000	0.000
1900 ALL	577648.71	4137357.28	1.35E-03	9.52E-04	0.001354	0.000	0.000	0.000
1901 ALL	577650.38	4137348.29	1.32E-03	9.32E-04	0.001325	0.000	0.000	0.000
1902 ALL	577652.04	4137339.3	1.30E-03	9.14E-04	0.001299	0.000	0.000	0.000
1903 ALL	577653.71	4137330.31	1.28E-03	8.99E-04	0.001278	0.000	0.000	0.000
1904 ALL	577655.38	4137321.32	1.26E-03	8.86E-04	0.00126	0.000	0.000	0.000
1905 ALL	577657.04	4137312.33	1.24E-03	8.75E-04	0.001244	0.000	0.000	0.000
1906 ALL	577658.71	4137303.34	1.23E-03	8.67E-04	0.001233	0.000	0.000	0.000
1907 ALL	577660.37	4137294.36	1.22E-03	8.61E-04	0.001225	0.000	0.000	0.000
1908 ALL	577662.04	4137285.37	1.22E-03	8.58E-04	0.00122	0.000	0.000	0.000
1909 ALL	577665.37	4137267.39	1.22E-03	8.61E-04	0.001224	0.000	0.000	0.000
1910 ALL	577667.03	4137258.4	1.23E-03	8.67E-04	0.001233	0.000	0.000	0.000
1911 ALL	577668.7	4137249.41	1.25E-03	8.76E-04	0.001246	0.000	0.000	0.000
1912 ALL	577670.36	4137240.43	1.21E-03	8.50E-04	0.001209	0.000	0.000	0.000
1913 ALL	577772.33	4137692.71	7.41E-03	5.21E-03	0.007415	0.001	0.001	0.001
1914 ALL	577780.23	4137697.68	7.28E-03	5.12E-03	0.007282	0.001	0.001	0.001
1915 ALL	577788.13	4137702.66	7.12E-03	5.00E-03	0.007115	0.001	0.001	0.001
1916 ALL	577796.03	4137707.64	6.92E-03	4.87E-03	0.006921	0.001	0.001	0.001
1917 ALL	577803.93	4137712.61	6.70E-03	4.71E-03	0.006702	0.001	0.001	0.001
1918 ALL	577811.83	4137717.59	6.46E-03	4.54E-03	0.006463	0.001	0.001	0.001
1919 ALL	577756.9	4137701.59	7.03E-03	4.94E-03	0.007027	0.001	0.001	0.001

1920 ALL	577746.54	4137686.8	7.30E-03	5.14E-03	0.007303	0.001	0.001	0.001
1921 ALL	577736.17	4137672.02	7.45E-03	5.24E-03	0.007447	0.001	0.001	0.001
1922 ALL	577730.99	4137664.62	7.47E-03	5.25E-03	0.007472	0.001	0.001	0.001
1923 ALL	577720.62	4137649.84	7.44E-03	5.23E-03	0.007439	0.001	0.001	0.001
1924 ALL	577710.26	4137635.05	7.25E-03	5.10E-03	0.007254	0.001	0.001	0.001
1925 ALL	577699.9	4137620.27	6.91E-03	4.86E-03	0.00691	0.001	0.001	0.001
1926 ALL	577689.53	4137605.48	6.43E-03	4.52E-03	0.006434	0.001	0.001	0.001
1927 ALL	577684.35	4137598.09	6.16E-03	4.33E-03	0.00616	0.001	0.001	0.001
1928 ALL	577673.98	4137583.31	5.56E-03	3.91E-03	0.005561	0.001	0.001	0.001
1929 ALL	577663.62	4137568.52	4.92E-03	3.46E-03	0.004922	0.001	0.001	0.001
1930 ALL	577653.25	4137553.74	4.30E-03	3.02E-03	0.004296	0.001	0.000	0.001
1931 ALL	577627.34	4137516.77	2.94E-03	2.07E-03	0.002945	0.000	0.000	0.000
1932 ALL	577616.98	4137501.99	2.51E-03	1.77E-03	0.002514	0.000	0.000	0.000
1933 ALL	577611.8	4137494.6	2.32E-03	1.63E-03	0.002319	0.000	0.000	0.000
1934 ALL	577608.26	4137478.33	2.04E-03	1.43E-03	0.00204	0.000	0.000	0.000
1935 ALL	577611.55	4137460.57	1.86E-03	1.31E-03	0.001856	0.000	0.000	0.000
1936 ALL	577614.83	4137442.82	1.69E-03	1.19E-03	0.001694	0.000	0.000	0.000
1937 ALL	577618.12	4137425.06	1.56E-03	1.10E-03	0.001559	0.000	0.000	0.000
1938 ALL	577621.41	4137407.31	1.45E-03	1.02E-03	0.001447	0.000	0.000	0.000
1939 ALL	577624.7	4137389.55	1.36E-03	9.55E-04	0.001358	0.000	0.000	0.000
1940 ALL	577627.99	4137371.8	1.29E-03	9.06E-04	0.001288	0.000	0.000	0.000
1941 ALL	577631.28	4137354.05	1.23E-03	8.65E-04	0.00123	0.000	0.000	0.000
1942 ALL	577634.57	4137336.29	1.18E-03	8.33E-04	0.001185	0.000	0.000	0.000
1943 ALL	577637.86	4137318.54	1.15E-03	8.10E-04	0.001152	0.000	0.000	0.000
1944 ALL	577641.14	4137300.78	1.13E-03	7.91E-04	0.001125	0.000	0.000	0.000
1945 ALL	577644.43	4137283.03	1.06E-03	7.46E-04	0.001061	0.000	0.000	0.000
1946 ALL	577647.72	4137265.28	1.05E-03	7.35E-04	0.001045	0.000	0.000	0.000
1947 ALL	577651.01	4137247.52	1.03E-03	7.23E-04	0.001028	0.000	0.000	0.000
1948 ALL	577762.08	4137708.98	6.85E-03	4.81E-03	0.006847	0.001	0.001	0.001
1949 ALL	577769.98	4137713.95	6.73E-03	4.73E-03	0.006725	0.001	0.001	0.001
1950 ALL	577777.88	4137718.93	6.58E-03	4.62E-03	0.006576	0.001	0.001	0.001
1951 ALL	577785.78	4137723.91	6.40E-03	4.50E-03	0.006401	0.001	0.001	0.001
1952 ALL	577793.68	4137728.88	6.21E-03	4.36E-03	0.006207	0.001	0.001	0.001
1953 ALL	577801.58	4137733.86	6.00E-03	4.22E-03	0.005995	0.001	0.001	0.001
1954 ALL	578007.4	4137449.11	4.27E-02	3.00E-02	0.042722	0.006	0.004	0.006
1955 ALL	578014.86	4137453.43	3.41E-02	2.40E-02	0.034127	0.005	0.003	0.005
1956 ALL	578023.89	4137456.18	2.84E-02	2.00E-02	0.028439	0.004	0.003	0.004
1957 ALL	578089.86	4137414.17	3.46E-02	2.43E-02	0.034571	0.005	0.004	0.005
1958 ALL	578096.54	4137405.92	3.65E-02	2.56E-02	0.03646	0.005	0.004	0.005
1959 ALL	578074.15	4137443.22	2.40E-02	1.69E-02	0.023995	0.003	0.002	0.003
1960 ALL	578117.48	4137204.4	4.00E-02	2.81E-02	0.039958	0.005	0.004	0.005
1961 ALL	578124.08	4137207.19	3.86E-02	2.71E-02	0.038587	0.005	0.004	0.005
1962 ALL	578145.66	4137220.14	3.39E-02	2.38E-02	0.033907	0.004	0.003	0.004
1963 ALL	578109.86	4137189.67	3.82E-02	2.69E-02	0.038215	0.005	0.004	0.005



X	Y	CONSTR	TRK_N	TRK_S	MAX	0.909469	0.639415	Updated MAX	0.121113	0.092777
					Year 1	Year 2	Year 1	Year 2		
AVERAGE CONC					Mitigated	Mitigated		Mitigated	Mitigated	
					PM 2.5	PM 2.5		PM 2.5	PM 2.5	
578053	4137357	173.26803	139.8603	178.5395	0.814006	0.572311		0.108311	0.08299	
578010	4137441	56.36632	125.2897	42.54788	0.264869	0.186216		0.035297	0.027033	
578015.2	4137433	67.66644	141.9273	46.5812	0.317955	0.22354		0.04236	0.032445	
578020.3	4137425	79.29586	154.2599	51.04613	0.372584	0.261949		0.049623	0.038012	
578025.4	4137417	89.81412	161.8837	56.10943	0.42199	0.296687		0.056191	0.043045	
578030.6	4137409	98.8289	165.0687	62.09501	0.464333	0.326458		0.061818	0.047359	
578035.7	4137401	106.34364	163.7279	69.51778	0.499629	0.351275		0.066508	0.050954	
578040.8	4137394	112.50962	157.8432	78.96056	0.52859	0.371638		0.070355	0.053903	
578046	4137386	117.44292	147.6566	90.49482	0.551759	0.387929		0.073432	0.056262	
578051.1	4137378	121.32916	134.8402	103.0817	0.570011	0.400762		0.075855	0.05812	
578056.3	4137370	124.20276	121.5711	114.7126	0.583505	0.41025		0.077646	0.059493	
578061.4	4137362	126.23817	109.4924	124.199	0.593062	0.41697		0.078913	0.060465	
577987.1	4137466	44.79275	89.36637	33.55023	0.210473	0.147974		0.028039	0.021477	
578018.4	4137446	41.98372	88.89141	34.90474	0.197283	0.1387		0.02629	0.020135	
578023.5	4137438	49.27424	99.89529	37.61822	0.231533	0.162781		0.030847	0.023627	
578028.7	4137430	57.32753	108.9468	40.63372	0.269364	0.189379		0.035877	0.027482	
578033.8	4137423	65.12346	115.2506	44.12079	0.305983	0.215126		0.040745	0.031213	
578038.9	4137415	72.13477	118.5279	48.2864	0.338916	0.238281		0.045122	0.034568	
578044.1	4137407	78.16963	118.7048	53.37705	0.367262	0.258211		0.048889	0.037455	
578049.2	4137399	83.41406	116.0972	59.76567	0.391894	0.27553		0.052161	0.039963	
578054.4	4137391	87.8041	110.7006	67.38305	0.412513	0.290028		0.0549	0.042063	
578059.5	4137383	91.51572	103.3819	75.82489	0.429945	0.302285		0.057215	0.043838	
578064.6	4137375	94.60387	95.31966	84.14306	0.444448	0.312482		0.059141	0.045314	
578069.8	4137367	97.08098	87.53081	91.46638	0.456081	0.320662		0.060685	0.046498	
578002.9	4137472	29.29909	56.89827	26.88235	0.137675	0.096793		0.018345	0.01405	
577989.2	4137475	35.10844	65.91247	28.44486	0.164967	0.115981		0.021975	0.016832	
577974.3	4137473	47.48865	90.81868	31.977	0.223133	0.156876		0.029719	0.022765	
578026.8	4137452	32.62828	66.58537	28.94606	0.153321	0.107792		0.020431	0.015648	
578031.9	4137444	37.69818	74.19769	30.89526	0.177139	0.124538		0.0236	0.018076	
578037	4137436	43.57516	81.0798	33.13407	0.204747	0.143949		0.027272	0.02089	
578042.2	4137428	49.56436	86.25214	35.72913	0.23288	0.163729		0.031012	0.023756	
578047.3	4137420	55.16775	89.29154	38.79952	0.2592	0.182235		0.03451	0.026437	
578052.5	4137412	60.187	90.1521	42.50867	0.282775	0.198811		0.037642	0.028839	
578057.6	4137404	64.61501	88.9984	47.02171	0.303573	0.213434		0.040406	0.030957	
578062.7	4137397	68.5134	86.05438	52.37977	0.321883	0.226308		0.042838	0.032821	
578067.9	4137389	72.0668	81.91347	58.5016	0.338572	0.238043		0.045055	0.034521	
578073	4137381	75.06367	76.86274	64.67336	0.352647	0.247939		0.046924	0.035954	
578078.1	4137373	77.36968	71.52707	70.17238	0.363477	0.255554		0.048362	0.037057	
578011.3	4137478	23.3653	44.72212	23.09978	0.109794	0.077191		0.014631	0.011205	
577991.3	4137485	28.30463	50.66844	24.36142	0.132996	0.093504		0.017716	0.01357	
577976.4	4137483	37.52917	67.47779	27.49219	0.176335	0.123974		0.023484	0.017989	
578015.9	4137486	19.3065	36.05001	19.94105	0.090722	0.063782		0.012089	0.009259	
578008.4	4137491	19.82454	35.70845	19.84958	0.093154	0.065492		0.012412	0.009506	
577992	4137495	23.95681	41.26043	21.35	0.112566	0.079141		0.014994	0.011485	
577983	4137493	28.09307	48.21213	23.01045	0.131999	0.092803		0.01758	0.013466	
577974.1	4137492	32.72749	56.21765	24.57733	0.153772	0.108111		0.020477	0.015687	
577965.1	4137490	37.51447	64.48393	25.98278	0.176261	0.123923		0.02347	0.01798	
577994.4	4137505	20.04218	33.51955	18.63124	0.094172	0.066209		0.012544	0.009608	
577976.9	4137502	26.64191	44.07889	21.37008	0.125178	0.088008		0.01667	0.01277	
577959.5	4137498	34.05439	55.94334	23.74985	0.160001	0.112492		0.021303	0.01632	
578048	4137486	13.79766	26.32782	15.12252	0.064837	0.045584		0.008641	0.006618	
577996.7	4137514	17.0584	27.86589	16.41187	0.080152	0.056352		0.010676	0.008178	
577979.6	4137511	22.17804	35.65503	18.75522	0.104205	0.073262		0.013877	0.01063	
577962.6	4137508	28.12333	44.76633	20.90377	0.132135	0.0929		0.017593	0.013478	
578060.3	4137474	15.66778	29.10966	15.8568	0.073623	0.051761		0.00981	0.007514	
578065.4	4137466	17.53771	31.52705	16.71151	0.082407	0.057937		0.010979	0.008409	
578070.5	4137458	19.74733	33.93541	17.6885	0.092787	0.065235		0.012359	0.009467	
578075.7	4137450	22.21718	36.16126	18.80923	0.104389	0.073392		0.013902	0.010649	

578080.8	4137442	24.82922	38.02088	20.09253	0.116658	0.082019	0.015533	0.011899
578086	4137434	27.4702	39.3713	21.56034	0.129063	0.090741	0.017181	0.013163
578091.1	4137426	30.03883	40.13035	23.22948	0.141128	0.099223	0.018784	0.014392
578096.2	4137418	32.48126	40.30195	25.11778	0.1526	0.107289	0.020309	0.015556
578101.4	4137411	34.70534	39.8809	27.16491	0.163046	0.114634	0.021696	0.016624
578106.5	4137403	36.64915	38.94223	29.28387	0.172176	0.121053	0.022909	0.017554
578111.6	4137395	38.23009	37.58781	31.32961	0.179601	0.126274	0.023895	0.01831
578056.5	4137492	12.02676	22.65366	13.40886	0.056515	0.039733	0.007532	0.005769
578042.4	4137501	11.79219	21.96948	13.48666	0.055413	0.038958	0.007385	0.005656
578028.4	4137511	12.0832	21.47765	13.59656	0.056779	0.039919	0.007566	0.005795
577982.2	4137521	18.77233	29.49616	16.58137	0.088203	0.062012	0.011746	0.008998
577965.4	4137518	23.5594	36.5478	18.49294	0.110692	0.077824	0.014738	0.01129
577948.6	4137515	28.32585	43.15263	20.11538	0.133083	0.093567	0.017717	0.013573
578068.6	4137479	13.64215	24.87016	14.07216	0.064104	0.045069	0.008542	0.006542
578073.8	4137471	15.19455	26.78811	14.80335	0.071397	0.050196	0.009512	0.007286
578078.9	4137463	17.02052	28.71743	15.63034	0.079974	0.056227	0.010652	0.00816
578084.1	4137455	19.06146	30.53019	16.56425	0.089562	0.062967	0.011927	0.009137
578089.2	4137448	21.25153	32.11495	17.62874	0.099849	0.0702	0.013295	0.010185
578094.3	4137440	23.50558	33.36155	18.84147	0.110436	0.077645	0.014702	0.011263
578099.5	4137432	25.75128	34.19354	20.22023	0.120985	0.085061	0.016103	0.012338
578104.6	4137424	27.89448	34.54255	21.74506	0.131051	0.092139	0.017441	0.013363
578109.7	4137416	29.87923	34.41928	23.39492	0.140373	0.098693	0.018679	0.014312
578114.9	4137408	31.64188	33.86681	25.10943	0.148652	0.104514	0.019779	0.015155
578120	4137400	33.10155	32.93292	26.77546	0.155507	0.109334	0.02069	0.015853
578064.9	4137497	10.61465	19.73073	12.00297	0.04988	0.035068	0.006648	0.005091
578051.1	4137507	10.32543	19.17326	12.03342	0.048521	0.034112	0.006467	0.004953
578037.2	4137516	10.4669	18.73605	12.12513	0.049185	0.034579	0.006555	0.00502
578023.3	4137526	10.91212	18.47674	12.20407	0.051275	0.036049	0.006832	0.005233
577968	4137528	20.00635	30.39351	16.45306	0.093998	0.066087	0.012516	0.009588
577951.4	4137525	24.06811	35.94859	17.966	0.11308	0.079503	0.015054	0.011533
578077	4137484	12.03387	21.54943	12.61339	0.056547	0.039755	0.007535	0.005771
578082.1	4137477	13.33988	23.09342	13.24022	0.062682	0.044069	0.008351	0.006396
578087.3	4137469	14.85832	24.64059	13.93402	0.069815	0.049084	0.009299	0.007123
578092.4	4137461	16.57332	26.14472	14.72415	0.077871	0.054748	0.01037	0.007944
578097.6	4137453	18.43333	27.51418	15.6255	0.086608	0.060891	0.011532	0.008834
578102.7	4137445	20.36995	28.64319	16.643	0.095704	0.067287	0.012741	0.009761
578107.8	4137437	22.30786	29.4478	17.77726	0.104807	0.073687	0.01395	0.010688
578113	4137429	24.18995	29.8904	19.02951	0.113647	0.079902	0.015125	0.011588
578118.1	4137421	25.95363	29.95943	20.37764	0.121931	0.085727	0.016225	0.012432
578123.3	4137414	27.54919	29.67521	21.78509	0.129425	0.090996	0.017221	0.013195
578128.4	4137406	28.89286	29.05633	23.15801	0.135735	0.095433	0.018059	0.013838
578133.5	4137398	29.96374	28.19695	24.4425	0.140765	0.098969	0.018727	0.01435
578080.5	4137508	8.59144	15.59741	9.94898	0.040372	0.028384	0.005381	0.004121
578073.1	4137513	8.37345	15.35994	9.91448	0.039348	0.027664	0.005244	0.004016
578058.2	4137523	8.21339	14.94687	9.90578	0.038596	0.027135	0.005144	0.00394
578043.3	4137534	8.37506	14.64796	9.97078	0.039355	0.027669	0.005245	0.004017
578088	4137503	8.90009	15.84533	10.00096	0.041822	0.029403	0.005573	0.004268
578093.1	4137495	9.7181	16.86361	10.43729	0.045665	0.032105	0.006084	0.00466
578098.3	4137487	10.68711	17.92563	10.90907	0.050217	0.035305	0.00669	0.005124
578103.4	4137479	11.81157	19.017	11.43282	0.055499	0.039019	0.007392	0.005662
578108.5	4137471	13.07283	20.09133	12.01659	0.061423	0.043185	0.00818	0.006266
578113.7	4137464	14.44865	21.10376	12.67379	0.067886	0.047728	0.009039	0.006924
578118.8	4137456	15.90082	21.99141	13.40897	0.074707	0.052524	0.009945	0.007619
578123.9	4137448	17.3767	22.6912	14.21773	0.081639	0.057398	0.010867	0.008325
578129.1	4137440	18.82837	23.16053	15.09274	0.088458	0.062193	0.011773	0.00902
578134.2	4137432	20.2146	23.38988	16.02661	0.094969	0.06677	0.012638	0.009683
578139.4	4137424	21.50422	23.39022	17.00617	0.101026	0.071029	0.013442	0.0103
578144.5	4137416	22.64994	23.17121	17.99135	0.106407	0.074813	0.014157	0.010848
578149.6	4137408	23.62084	22.76464	18.94324	0.110967	0.078019	0.014763	0.011312
578096.9	4137518	7.16338	12.68591	8.42344	0.033661	0.023666	0.004486	0.003436

578082.5	4137528	6.82679	12.36107	8.35331	0.03208	0.022554	0.004276	0.003275
578039.3	4137558	7.08058	11.74421	8.42249	0.033272	0.023392	0.004433	0.003396
578024.9	4137568	7.4423	11.72806	8.50366	0.03497	0.024586	0.004659	0.003568
578009.1	4137571	8.38958	12.69294	9.05993	0.03942	0.027715	0.005251	0.004022
577991.9	4137568	10.14793	14.92938	10.15439	0.047681	0.033523	0.00635	0.004864
577974.6	4137565	12.23779	17.621	11.26452	0.057499	0.040425	0.007656	0.005865
577957.4	4137562	14.53653	20.52416	12.33164	0.068298	0.048018	0.009093	0.006966
577940.2	4137559	16.86986	23.31276	13.31347	0.079259	0.055725	0.01055	0.008083
577922.9	4137556	19.01863	25.6384	14.16085	0.089353	0.062822	0.011893	0.009112
578109.2	4137506	8.04853	13.57794	8.79753	0.037819	0.026589	0.005039	0.003859
578114.4	4137498	8.79271	14.34443	9.15911	0.041315	0.029047	0.005504	0.004216
578119.5	4137490	9.6533	15.1456	9.56281	0.045358	0.031889	0.006041	0.004628
578124.6	4137482	10.61705	15.94745	10.0112	0.049885	0.035072	0.006643	0.005089
578129.8	4137474	11.66131	16.70438	10.50246	0.05479	0.038521	0.007295	0.005589
578134.9	4137466	12.75975	17.37901	11.0393	0.059949	0.042149	0.007981	0.006114
578140.1	4137458	13.8943	17.9533	11.63243	0.065278	0.045895	0.008689	0.006657
578145.2	4137450	15.03392	18.39764	12.27806	0.070631	0.049659	0.0094	0.007202
578150.3	4137443	16.14461	18.69366	12.96725	0.075848	0.053327	0.010094	0.007734
578155.5	4137435	17.19698	18.83361	13.68732	0.080791	0.056802	0.01075	0.008237
578160.6	4137427	18.16233	18.82409	14.42016	0.085325	0.05999	0.011353	0.008699
578165.7	4137419	19.01915	18.67953	15.14518	0.089349	0.06282	0.011887	0.009109
578105.1	4137534	5.88839	10.38153	7.19498	0.02767	0.019454	0.003688	0.002824
578067.2	4137560	5.66089	9.87524	7.11099	0.026601	0.018702	0.003545	0.002715
578059.6	4137566	5.72869	9.80401	7.12393	0.02692	0.018926	0.003588	0.002748
578052.1	4137571	5.82338	9.74359	7.14586	0.027364	0.019239	0.003647	0.002793
578044.5	4137576	5.94286	9.70305	7.17741	0.027925	0.019633	0.003721	0.00285
578036.9	4137581	6.08402	9.68649	7.21535	0.028588	0.020099	0.003809	0.002917
578029.4	4137587	6.24234	9.69539	7.25488	0.029332	0.020622	0.003908	0.002993
578012.8	4137590	7.00423	10.44027	7.72611	0.032911	0.023138	0.004384	0.003358
578003.7	4137589	7.67562	11.26191	8.18656	0.036065	0.025356	0.004803	0.003679
577994.6	4137587	8.42	12.18384	8.65967	0.039562	0.027815	0.005269	0.004036
577985.6	4137585	9.22815	13.19015	9.1346	0.043359	0.030484	0.005774	0.004423
577976.5	4137584	10.09773	14.27415	9.61125	0.047444	0.033356	0.006317	0.00484
577967.5	4137582	11.00705	15.39688	10.0773	0.051716	0.03636	0.006886	0.005275
577958.4	4137581	11.94086	16.52742	10.52758	0.056102	0.039444	0.007469	0.005722
577949.4	4137579	12.89314	17.6533	10.9664	0.060576	0.042589	0.008064	0.006178
577940.3	4137577	13.85131	18.75252	11.39196	0.065077	0.045754	0.008663	0.006637
577931.2	4137576	14.81262	19.8214	11.80955	0.069593	0.048929	0.009263	0.007097
577922.2	4137574	15.72348	20.781	12.19175	0.073872	0.051937	0.009832	0.007533
577913.1	4137573	16.55057	21.58666	12.52659	0.077757	0.054669	0.010349	0.007929
578099.5	4137560	4.80392	8.50873	6.17634	0.022575	0.015871	0.003009	0.002304
578084.8	4137570	4.77601	8.37666	6.14608	0.022443	0.015779	0.002991	0.002291
578070.1	4137580	4.84607	8.26641	6.14351	0.022772	0.01601	0.003035	0.002324
578062.7	4137585	4.90853	8.21477	6.1513	0.023066	0.016216	0.003074	0.002354
578048	4137595	5.09166	8.1603	6.20141	0.023926	0.016821	0.003188	0.002442
578040.6	4137600	5.20037	8.14606	6.22953	0.024436	0.01718	0.003256	0.002494
578017.1	4137609	5.89528	8.69063	6.63083	0.0277	0.019475	0.00369	0.002826
577999.5	4137606	6.95255	9.95424	7.36912	0.032667	0.022967	0.004351	0.003333
577981.9	4137603	8.20181	11.47071	8.13472	0.038536	0.027093	0.005132	0.003931
577964.3	4137600	9.59414	13.14722	8.89195	0.045077	0.031692	0.006002	0.004598
577946.7	4137597	11.05743	14.84509	9.61393	0.051951	0.036525	0.006916	0.005298
577929.1	4137594	12.55655	16.49588	10.30935	0.058993	0.041477	0.007853	0.006016
577911.4	4137591	13.97503	17.93494	10.93152	0.065657	0.046162	0.008739	0.006695
578151.7	4137511	6.88581	10.36198	7.03374	0.032354	0.022747	0.004309	0.003301
578156.8	4137503	7.48504	10.82863	7.30928	0.035169	0.024726	0.004683	0.003588
578162	4137495	8.1344	11.28371	7.61069	0.038219	0.02687	0.005089	0.003898
578167.1	4137487	8.82198	11.71106	7.93881	0.041449	0.029141	0.005518	0.004227
578172.3	4137479	9.53715	12.09855	8.29545	0.044808	0.031503	0.005964	0.00457
578177.4	4137471	10.26332	12.4317	8.67794	0.048219	0.033901	0.006418	0.004917
578182.5	4137464	10.98612	12.70207	9.08358	0.051614	0.036288	0.006869	0.005263

578187.7	4137456	11.68953	12.9016	9.50612	0.054917	0.038611	0.007308	0.005599
578192.8	4137448	12.35524	13.02563	9.93551	0.058044	0.04081	0.007723	0.005918
578129.5	4137561	4.32082	7.46074	5.48485	0.020304	0.014275	0.002706	0.002073
578121.8	4137566	4.2314	7.38408	5.46002	0.019884	0.013979	0.00265	0.00203
578114.2	4137571	4.16872	7.31447	5.4356	0.01959	0.013772	0.002611	0.002
578106.5	4137577	4.13238	7.25399	5.41408	0.019419	0.013652	0.002588	0.001982
578098.9	4137582	4.11989	7.20084	5.3963	0.01936	0.013611	0.002581	0.001976
578091.2	4137587	4.12739	7.15116	5.38212	0.019395	0.013636	0.002585	0.00198
578083.6	4137592	4.15402	7.10707	5.37493	0.01952	0.013724	0.002602	0.001993
578075.9	4137598	4.19625	7.06569	5.37409	0.019719	0.013863	0.002628	0.002013
578068.3	4137603	4.25336	7.03011	5.38155	0.019987	0.014052	0.002664	0.00204
578060.6	4137608	4.32296	6.9997	5.39555	0.020314	0.014282	0.002707	0.002073
578053	4137614	4.40401	6.97798	5.41585	0.020694	0.014549	0.002757	0.002112
578045.3	4137619	4.49258	6.96204	5.43731	0.02111	0.014842	0.002813	0.002154
578037.7	4137624	4.59074	6.96025	5.46221	0.021571	0.015166	0.002874	0.002201
578020.9	4137628	5.06986	7.40231	5.78463	0.023822	0.016748	0.003173	0.002431
578011.7	4137626	5.48502	7.88359	6.09546	0.025772	0.01812	0.003433	0.002629
578002.6	4137625	5.94126	8.41819	6.41671	0.027916	0.019626	0.003718	0.002848
577993.4	4137623	6.43759	9.00515	6.74523	0.030247	0.021266	0.004028	0.003086
577984.3	4137621	6.96977	9.63722	7.07661	0.032748	0.023024	0.004361	0.003341
577975.1	4137620	7.53387	10.30629	7.40854	0.035398	0.024887	0.004713	0.003611
577966	4137618	8.12402	11.0006	7.73867	0.03817	0.026836	0.005082	0.003893
577956.8	4137617	8.7331	11.70658	8.06445	0.041031	0.028848	0.005463	0.004185
577947.7	4137615	9.35615	12.41301	8.38475	0.043958	0.030906	0.005852	0.004483
577938.5	4137613	9.98774	13.11016	8.69846	0.046925	0.032992	0.006247	0.004786
577929.3	4137612	10.62024	13.78742	9.00338	0.049896	0.035081	0.006642	0.005088
577920.2	4137610	11.2448	14.43223	9.29572	0.05283	0.037144	0.007032	0.005387
577911	4137608	11.85186	15.03372	9.57252	0.055682	0.039149	0.007411	0.005678
577901.9	4137607	12.43663	15.58786	9.83424	0.058429	0.04108	0.007776	0.005958
577892.7	4137605	12.97224	16.06107	10.06746	0.060945	0.042849	0.008111	0.006214
578157.5	4137537	5.11169	8.08058	5.74795	0.024019	0.016887	0.0032	0.002451
578162.7	4137529	5.50999	8.43956	5.93952	0.02589	0.018202	0.003449	0.002642
578167.8	4137521	5.956	8.80915	6.14723	0.027985	0.019675	0.003727	0.002855
578173	4137513	6.44514	9.18013	6.37243	0.030283	0.021291	0.004033	0.003089
578178.1	4137506	6.97356	9.54481	6.61778	0.032765	0.023036	0.004362	0.003342
578183.2	4137498	7.53282	9.89245	6.88379	0.035392	0.024883	0.004712	0.00361
578188.4	4137490	8.11519	10.21382	7.17109	0.038127	0.026806	0.005075	0.003888
578193.5	4137482	8.70871	10.49886	7.47768	0.040915	0.028766	0.005446	0.004172
578198.6	4137474	9.30345	10.74128	7.80191	0.043708	0.03073	0.005817	0.004457
578203.8	4137466	9.88571	10.93378	8.13812	0.046443	0.032653	0.00618	0.004735
578208.9	4137458	10.44425	11.07322	8.48076	0.049067	0.034498	0.006529	0.005002
578161	4137561	4.06186	6.64793	4.91836	0.019087	0.013419	0.002543	0.001948
578153.6	4137566	3.93353	6.57327	4.89618	0.018484	0.012995	0.002463	0.001887
578138.6	4137576	3.74068	6.43813	4.85419	0.017578	0.012358	0.002343	0.001794
578131.2	4137581	3.67667	6.38104	4.83461	0.017277	0.012147	0.002303	0.001764
578123.7	4137586	3.63272	6.33034	4.81548	0.017071	0.012002	0.002276	0.001743
578116.2	4137591	3.60756	6.2858	4.79751	0.016953	0.011919	0.00226	0.001731
578108.8	4137597	3.59892	6.2459	4.78112	0.016912	0.01189	0.002254	0.001726
578101.3	4137602	3.60504	6.20909	4.76703	0.016941	0.01191	0.002258	0.001729
578093.9	4137607	3.62432	6.17564	4.75707	0.017031	0.011974	0.00227	0.001738
578086.4	4137612	3.65516	6.14456	4.75198	0.017176	0.012076	0.002289	0.001753
578078.9	4137617	3.696	6.11539	4.75204	0.017368	0.01221	0.002315	0.001773
578071.5	4137622	3.74368	6.0842	4.75452	0.017592	0.012368	0.002344	0.001795
578064	4137628	3.79954	6.05767	4.76268	0.017854	0.012552	0.002379	0.001822
578056.5	4137633	3.86439	6.03946	4.77728	0.018159	0.012766	0.00242	0.001853
578041.6	4137643	4.01679	6.0317	4.81923	0.018874	0.01327	0.002515	0.001926
578025.2	4137647	4.39673	6.37568	5.08382	0.020659	0.014525	0.002752	0.002108
578016.3	4137645	4.72142	6.74441	5.33594	0.022185	0.015597	0.002955	0.002263
578007.3	4137643	5.07739	7.15255	5.59789	0.023857	0.016773	0.003177	0.002434
577998.4	4137642	5.46388	7.59989	5.8671	0.025673	0.018049	0.003419	0.002619

577989.5	4137640	5.87659	8.08032	6.13897	0.027611	0.019413	0.003677	0.002817
577980.5	4137639	6.31521	8.59214	6.41342	0.029672	0.020861	0.003951	0.003027
577971.6	4137637	6.77477	9.12639	6.68731	0.031831	0.022379	0.004238	0.003247
577962.7	4137636	7.2508	9.67413	6.95881	0.034067	0.023952	0.004536	0.003475
577953.7	4137634	7.7408	10.22916	7.22784	0.036369	0.02557	0.004842	0.003709
577944.8	4137632	8.24173	10.78491	7.49387	0.038722	0.027224	0.005155	0.003949
577935.9	4137631	8.74675	11.33053	7.75365	0.041095	0.028892	0.00547	0.004191
577926.9	4137629	9.25571	11.86513	8.00857	0.043486	0.030573	0.005788	0.004435
577918	4137628	9.75988	12.37691	8.25381	0.045854	0.032239	0.006103	0.004676
577909.1	4137626	10.25962	12.86832	8.49195	0.048201	0.033889	0.006416	0.004915
577900.1	4137625	10.74802	13.33117	8.72004	0.050496	0.035502	0.006721	0.005149
577891.2	4137623	11.2052	13.74111	8.92732	0.052643	0.037012	0.007006	0.005368
577882.3	4137622	11.62345	14.09086	9.11195	0.054608	0.038394	0.007267	0.005568
578183.9	4137532	5.21413	7.59337	5.42594	0.024499	0.017224	0.003263	0.002499
578189.1	4137524	5.61957	7.89348	5.61304	0.026404	0.018563	0.003516	0.002693
578194.2	4137516	6.05607	8.19028	5.81604	0.028454	0.020005	0.003789	0.002902
578199.3	4137508	6.51722	8.47573	6.03485	0.03062	0.021528	0.004076	0.003123
578204.5	4137500	6.99767	8.74404	6.27018	0.032877	0.023115	0.004376	0.003353
578209.6	4137492	7.48841	8.98747	6.52019	0.035182	0.024735	0.004683	0.003588
578214.7	4137485	7.98246	9.20182	6.78391	0.037502	0.026367	0.004991	0.003824
578219.9	4137477	8.4692	9.38031	7.05669	0.039789	0.027974	0.005295	0.004057
578225	4137469	8.9412	9.52103	7.33541	0.042005	0.029533	0.005589	0.004283
578176.9	4137571	3.62054	5.83604	4.39463	0.017013	0.011961	0.002267	0.001736
578169.2	4137577	3.50241	5.77056	4.3746	0.016458	0.011571	0.002193	0.00168
578161.5	4137582	3.40399	5.71173	4.35798	0.015996	0.011246	0.002132	0.001633
578153.8	4137587	3.32516	5.66002	4.34374	0.015626	0.010985	0.002083	0.001595
578146.1	4137593	3.26223	5.60839	4.32601	0.01533	0.010778	0.002043	0.001565
578138.4	4137598	3.21696	5.56282	4.30869	0.015117	0.010628	0.002015	0.001543
578130.7	4137603	3.18921	5.52517	4.29332	0.014987	0.010536	0.001998	0.00153
578123	4137608	3.1767	5.4934	4.27935	0.014928	0.010495	0.00199	0.001524
578115.3	4137614	3.17635	5.46323	4.26513	0.014926	0.010494	0.00199	0.001524
578107.6	4137619	3.18651	5.43386	4.25166	0.014974	0.010527	0.001996	0.001529
578099.9	4137624	3.20543	5.40392	4.23951	0.015063	0.01059	0.002008	0.001538
578092.2	4137630	3.23255	5.37475	4.23074	0.01519	0.010679	0.002025	0.00155
578084.5	4137635	3.26722	5.34726	4.22661	0.015353	0.010794	0.002046	0.001567
578076.8	4137640	3.30903	5.32229	4.2277	0.015549	0.010932	0.002072	0.001587
578069.1	4137646	3.35667	5.29973	4.23312	0.015773	0.011089	0.002102	0.00161
578061.4	4137651	3.41175	5.28465	4.24501	0.016032	0.011271	0.002136	0.001636
578053.6	4137656	3.47495	5.27983	4.26357	0.016328	0.01148	0.002175	0.001666
578045.9	4137662	3.54179	5.27905	4.28252	0.016642	0.0117	0.002217	0.001698
578029	4137665	3.85952	5.55818	4.50793	0.018135	0.01275	0.002416	0.00185
578019.8	4137664	4.1352	5.86658	4.72834	0.01943	0.01366	0.002588	0.001982
578010.6	4137662	4.43696	6.20694	4.9577	0.020848	0.014657	0.002777	0.002127
578001.4	4137660	4.7638	6.57885	5.19345	0.022383	0.015737	0.002981	0.002283
577992.1	4137659	5.11457	6.98098	5.43372	0.024031	0.016895	0.0032	0.002451
577982.9	4137657	5.48629	7.40821	5.67565	0.025777	0.018123	0.003433	0.002629
577973.7	4137656	5.8764	7.85592	5.91804	0.02761	0.019412	0.003676	0.002816
577964.5	4137654	6.28157	8.31746	6.15949	0.029513	0.02075	0.00393	0.00301
577955.3	4137652	6.69812	8.78491	6.39813	0.03147	0.022126	0.00419	0.00321
577946.1	4137651	7.12544	9.25574	6.63535	0.033478	0.023537	0.004457	0.003414
577936.8	4137649	7.55967	9.72256	6.86915	0.035518	0.024971	0.004728	0.003622
577927.6	4137648	7.99829	10.18113	7.0988	0.037578	0.02642	0.005002	0.003832
577918.4	4137646	8.4375	10.62677	7.32282	0.039641	0.027871	0.005277	0.004043
577909.2	4137644	8.87663	11.05877	7.54164	0.041704	0.029321	0.005551	0.004253
577900	4137643	9.31403	11.47609	7.75543	0.043759	0.030766	0.005824	0.004462
577890.7	4137641	9.73446	11.86055	7.95549	0.045734	0.032154	0.006087	0.004663
577881.5	4137639	10.1277	12.20098	8.13722	0.047581	0.033453	0.006332	0.004852
577872.3	4137638	10.48215	12.48459	8.29535	0.049246	0.034624	0.006554	0.005021
578184.6	4137566	3.75685	5.9055	4.41809	0.017653	0.012411	0.002352	0.001801
578189.7	4137558	4.0115	6.13505	4.5452	0.018849	0.013252	0.002511	0.001923

578205.2	4137534	4.94931	6.86452	4.9852	0.023254	0.016349	0.003097	0.002372
578210.3	4137527	5.31742	7.11399	5.1588	0.024983	0.017565	0.003326	0.002548
578215.4	4137519	5.7015	7.35009	5.34043	0.026788	0.018833	0.003566	0.002732
578220.6	4137511	6.10139	7.5743	5.53471	0.028666	0.020154	0.003816	0.002923
578225.7	4137503	6.51208	7.78347	5.74216	0.030595	0.02151	0.004072	0.00312
578230.9	4137495	6.92813	7.97336	5.96142	0.032549	0.022884	0.004332	0.003319
578236	4137487	7.33838	8.13525	6.1861	0.034476	0.024239	0.004588	0.003515
578241.1	4137479	7.73909	8.26957	6.41576	0.036358	0.025563	0.004838	0.003707
578193.2	4137582	3.25763	5.17036	3.95244	0.015307	0.010762	0.00204	0.001562
578185.6	4137587	3.15207	5.1134	3.93336	0.014812	0.010413	0.001974	0.001512
578178.1	4137592	3.06322	5.06423	3.91952	0.014394	0.01012	0.001918	0.001469
578170.5	4137597	2.989	5.0188	3.90686	0.014046	0.009875	0.001872	0.001434
578163	4137602	2.92886	4.97645	3.89397	0.013763	0.009676	0.001834	0.001405
578155.5	4137608	2.88247	4.93762	3.88063	0.013545	0.009523	0.001806	0.001383
578147.9	4137613	2.84946	4.90309	3.86722	0.01339	0.009414	0.001785	0.001367
578140.4	4137618	2.8303	4.87599	3.85612	0.0133	0.009351	0.001773	0.001358
578132.8	4137623	2.82194	4.85177	3.84467	0.013261	0.009323	0.001768	0.001354
578125.3	4137628	2.82288	4.82906	3.83278	0.013265	0.009326	0.001768	0.001354
578117.8	4137634	2.83084	4.80518	3.81969	0.013303	0.009352	0.001773	0.001358
578110.2	4137639	2.84576	4.78204	3.80784	0.013373	0.009402	0.001782	0.001365
578102.7	4137644	2.86662	4.75908	3.79788	0.013471	0.009471	0.001795	0.001375
578095.1	4137649	2.8933	4.73768	3.79153	0.013596	0.009559	0.001812	0.001388
578087.6	4137654	2.92609	4.71974	3.79048	0.01375	0.009667	0.001832	0.001403
578080.1	4137660	2.96346	4.70317	3.79321	0.013925	0.00979	0.001856	0.001421
578072.5	4137665	3.00505	4.68856	3.79954	0.014121	0.009928	0.001882	0.001441
578065	4137670	3.05072	4.67686	3.80914	0.014335	0.010078	0.00191	0.001463
578057.4	4137675	3.10114	4.67054	3.82249	0.014572	0.010245	0.001941	0.001487
578049.9	4137680	3.15386	4.66653	3.83604	0.01482	0.010419	0.001974	0.001512
578033.3	4137684	3.40763	4.8823	4.0182	0.016012	0.011257	0.002133	0.001634
578024.3	4137683	3.6294	5.12654	4.20032	0.017054	0.01199	0.002272	0.00174
578015.3	4137681	3.87141	5.3951	4.39051	0.01819	0.012789	0.002423	0.001856
578006.3	4137679	4.13343	5.68852	4.5872	0.019421	0.013654	0.002587	0.001981
577997.2	4137678	4.41406	6.0048	4.78786	0.02074	0.014581	0.002762	0.002116
577988.2	4137676	4.71186	6.34243	4.99134	0.022139	0.015565	0.002948	0.002258
577979.2	4137675	5.02421	6.69677	5.19534	0.023606	0.016597	0.003143	0.002408
577970.2	4137673	5.34886	7.06364	5.39882	0.025131	0.017669	0.003346	0.002563
577961.1	4137671	5.68484	7.44008	5.60194	0.02671	0.018779	0.003556	0.002724
577952.1	4137670	6.02843	7.81927	5.80273	0.028324	0.019914	0.003771	0.002889
577943.1	4137668	6.37925	8.19911	6.00186	0.029972	0.021072	0.00399	0.003057
577934.1	4137667	6.73617	8.57713	6.19947	0.031649	0.022251	0.004213	0.003228
577925	4137665	7.09682	8.94898	6.39405	0.033343	0.023442	0.004438	0.0034
577916	4137664	7.46137	9.31474	6.58628	0.035055	0.024646	0.004666	0.003575
577907	4137662	7.82828	9.67291	6.77574	0.036779	0.025858	0.004895	0.003751
577898	4137660	8.19439	10.01999	6.9608	0.038499	0.027067	0.005124	0.003926
577888.9	4137659	8.55301	10.34865	7.13792	0.040183	0.028252	0.005348	0.004098
577879.9	4137657	8.89586	10.64929	7.30256	0.041794	0.029384	0.005562	0.004262
577870.9	4137656	9.21407	10.91326	7.45093	0.043288	0.030435	0.005761	0.004414
577861.9	4137654	9.50432	11.13721	7.58219	0.044652	0.031394	0.005942	0.004553
578200.7	4137576	3.37598	5.22772	3.97277	0.015863	0.011153	0.002113	0.001619
578205.9	4137569	3.59501	5.41746	4.0808	0.016892	0.011876	0.00225	0.001724
578211	4137561	3.83689	5.6128	4.19527	0.018028	0.012675	0.002401	0.001839
578226.4	4137537	4.70422	6.23088	4.60271	0.022102	0.015539	0.002943	0.002254
578231.5	4137529	5.0283	6.42956	4.7562	0.023625	0.01661	0.003145	0.002409
578236.7	4137521	5.36662	6.62164	4.92089	0.025214	0.017727	0.003356	0.002571
578241.8	4137513	5.71403	6.80269	5.09559	0.026846	0.018874	0.003573	0.002738
578247	4137506	6.06905	6.97303	5.28205	0.028513	0.020047	0.003795	0.002907
578252.1	4137498	6.42132	7.12294	5.47329	0.030168	0.02121	0.004015	0.003076
578257.2	4137490	6.76157	7.24521	5.66275	0.031766	0.022334	0.004227	0.003239
578209.4	4137592	2.95488	4.62359	3.58157	0.013885	0.009762	0.00185	0.001417
578202	4137597	2.86164	4.57694	3.56566	0.013447	0.009454	0.001792	0.001372

578187.2	4137607	2.70988	4.49148	3.53907	0.012734	0.008953	0.001697	0.0013
578172.4	4137618	2.60564	4.42023	3.51708	0.012244	0.008608	0.001632	0.00125
578165	4137623	2.57069	4.39031	3.5068	0.01208	0.008493	0.00161	0.001233
578150.2	4137633	2.53144	4.34071	3.48613	0.011896	0.008363	0.001586	0.001214
578135.3	4137643	2.5269	4.30248	3.46563	0.011875	0.008348	0.001583	0.001212
578120.5	4137653	2.54623	4.2656	3.44327	0.011965	0.008412	0.001595	0.001221
578105.7	4137664	2.58577	4.23405	3.42833	0.012151	0.008543	0.001619	0.00124
578098.3	4137669	2.61209	4.22077	3.42562	0.012274	0.00863	0.001636	0.001253
578083.5	4137679	2.67342	4.1941	3.42722	0.012562	0.008832	0.001674	0.001282
578068.7	4137689	2.74412	4.16808	3.43639	0.012894	0.009065	0.001718	0.001316
578053.9	4137699	2.82662	4.15485	3.45532	0.013282	0.009338	0.001769	0.001355
578037.6	4137703	3.0353	4.33001	3.60832	0.014262	0.010027	0.0019	0.001455
578019.9	4137700	3.41239	4.74041	3.91838	0.016034	0.011273	0.002136	0.001636
578011	4137698	3.62583	4.97601	4.08412	0.017036	0.011978	0.002269	0.001738
578002.1	4137697	3.85403	5.22947	4.25361	0.018109	0.012731	0.002412	0.001847
577993.3	4137695	4.09584	5.49971	4.42566	0.019245	0.01353	0.002563	0.001963
577984.4	4137694	4.35013	5.78484	4.5992	0.020439	0.01437	0.002722	0.002085
577966.7	4137691	4.88839	6.38662	4.94612	0.022968	0.016148	0.003058	0.002343
577957.8	4137689	5.16997	6.69765	5.11878	0.024291	0.017078	0.003234	0.002478
577949	4137687	5.45719	7.01017	5.28977	0.02564	0.018027	0.003414	0.002615
577940.1	4137686	5.7495	7.32224	5.45929	0.027013	0.018992	0.003596	0.002755
577922.4	4137683	6.34687	7.9382	5.79383	0.029819	0.020965	0.003969	0.003041
577913.5	4137681	6.65144	8.24037	5.9589	0.03125	0.021971	0.00416	0.003187
577904.6	4137680	6.95705	8.53526	6.12088	0.032686	0.02298	0.004351	0.003333
577895.8	4137678	7.26316	8.82261	6.27974	0.034124	0.023991	0.004542	0.00348
577886.9	4137677	7.56525	9.09739	6.43285	0.035543	0.024989	0.004731	0.003624
577869.2	4137673	8.14427	9.59717	6.71669	0.038263	0.026901	0.005092	0.003901
577860.3	4137672	8.40931	9.8104	6.84198	0.039507	0.027777	0.005258	0.004028
577851.4	4137670	8.65211	9.99291	6.95355	0.040648	0.028579	0.005409	0.004145
578222	4137579	3.24907	4.83122	3.69312	0.015267	0.010733	0.002034	0.001558
578227.1	4137571	3.45937	4.99693	3.79328	0.016254	0.011428	0.002165	0.001658
578232.2	4137563	3.68884	5.16732	3.90087	0.017332	0.012186	0.002308	0.001768
578252.8	4137532	4.76672	5.84986	4.41417	0.022395	0.015745	0.002981	0.002284
578257.9	4137524	5.06473	6.00897	4.56438	0.023795	0.01673	0.003167	0.002427
578263.1	4137516	5.36672	6.15657	4.72093	0.025214	0.017727	0.003356	0.002571
578268.2	4137508	5.66748	6.28906	4.88141	0.026626	0.01872	0.003543	0.002715
578273.3	4137500	5.96262	6.40401	5.04367	0.028012	0.019695	0.003728	0.002856
578225.3	4137603	2.69314	4.16247	3.26356	0.012655	0.008897	0.001686	0.001291
578217.7	4137608	2.60717	4.12137	3.24876	0.012251	0.008613	0.001632	0.00125
578210.1	4137613	2.53075	4.08184	3.2355	0.011892	0.008361	0.001585	0.001214
578202.5	4137618	2.46491	4.04533	3.22414	0.011583	0.008143	0.001544	0.001182
578194.9	4137624	2.40928	4.0115	3.21379	0.011322	0.00796	0.001509	0.001156
578187.3	4137629	2.36411	3.98081	3.20422	0.011109	0.00781	0.001481	0.001134
578179.7	4137634	2.32925	3.95387	3.19551	0.010946	0.007695	0.001459	0.001117
578172.1	4137639	2.30403	3.93015	3.187	0.010827	0.007612	0.001443	0.001105
578164.5	4137645	2.28729	3.90876	3.178	0.010749	0.007557	0.001433	0.001097
578156.9	4137650	2.27832	3.88929	3.16832	0.010706	0.007527	0.001427	0.001093
578149.3	4137655	2.27594	3.87094	3.15772	0.010695	0.007519	0.001426	0.001092
578141.7	4137660	2.27945	3.85385	3.14678	0.010712	0.007531	0.001428	0.001093
578134.1	4137666	2.28809	3.83784	3.136	0.010752	0.007559	0.001433	0.001098
578126.5	4137671	2.30108	3.82269	3.12593	0.010813	0.007602	0.001441	0.001104
578118.9	4137676	2.31829	3.8093	3.11792	0.010894	0.007659	0.001452	0.001112
578111.3	4137681	2.33995	3.79903	3.11358	0.010996	0.007731	0.001465	0.001122
578103.8	4137687	2.36376	3.78782	3.11043	0.011108	0.007809	0.00148	0.001134
578096.2	4137692	2.3894	3.77553	3.10863	0.011228	0.007894	0.001496	0.001146
578088.6	4137697	2.41669	3.76242	3.10833	0.011356	0.007984	0.001513	0.001159
578081	4137702	2.44593	3.74979	3.11015	0.011493	0.00808	0.001531	0.001173
578073.4	4137708	2.47787	3.7396	3.11494	0.011643	0.008186	0.001551	0.001188
578065.8	4137713	2.51303	3.73349	3.12316	0.011808	0.008302	0.001573	0.001205
578058.2	4137718	2.55121	3.73135	3.1339	0.011988	0.008428	0.001597	0.001223

578041.5	4137722	2.73342	3.88336	3.27028	0.012844	0.00903	0.001711	0.00131
578032.4	4137720	2.8881	4.04794	3.40148	0.01357	0.009541	0.001808	0.001385
578023.3	4137718	3.05824	4.23138	3.54152	0.01437	0.010103	0.001914	0.001466
578014.2	4137717	3.2418	4.43068	3.68673	0.015232	0.010709	0.002029	0.001554
578005.1	4137715	3.43926	4.64703	3.83687	0.01616	0.011361	0.002152	0.001649
577996	4137714	3.64912	4.87874	3.99019	0.017146	0.012054	0.002283	0.001749
577986.9	4137712	3.87041	5.12433	4.14566	0.018185	0.012785	0.002422	0.001855
577977.8	4137711	4.10054	5.37981	4.30113	0.019266	0.013545	0.002565	0.001965
577968.7	4137709	4.33909	5.64386	4.45678	0.020387	0.014333	0.002715	0.00208
577959.6	4137707	4.58359	5.91222	4.61118	0.021536	0.015141	0.002867	0.002197
577950.5	4137706	4.83358	6.18326	4.76471	0.02271	0.015967	0.003024	0.002316
577941.5	4137704	5.08762	6.45379	4.91661	0.023903	0.016806	0.003182	0.002438
577932.4	4137703	5.34697	6.72444	5.06834	0.025122	0.017662	0.003344	0.002562
577923.3	4137701	5.60924	6.99133	5.2182	0.026354	0.018529	0.003508	0.002688
577914.2	4137699	5.87576	7.2559	5.36749	0.027606	0.019409	0.003675	0.002815
577905.1	4137698	6.14478	7.51577	5.51489	0.02887	0.020297	0.003843	0.002944
577896	4137696	6.41643	7.77148	5.66081	0.030146	0.021195	0.004012	0.003074
577886.9	4137695	6.68673	8.01846	5.80259	0.031415	0.022087	0.004181	0.003204
577877.8	4137693	6.95467	8.25622	5.94012	0.032674	0.022972	0.004349	0.003332
577868.7	4137691	7.21571	8.48001	6.07094	0.0339	0.023834	0.004512	0.003457
577859.6	4137690	7.46579	8.68612	6.19336	0.035075	0.02466	0.004668	0.003576
577850.5	4137688	7.699	8.86885	6.30464	0.03617	0.025431	0.004813	0.003688
577841.4	4137687	7.91203	9.02473	6.40334	0.037171	0.026134	0.004946	0.00379
578232.9	4137597	2.78825	4.2051	3.28063	0.013102	0.009211	0.001745	0.001337
578238.1	4137590	2.95565	4.341	3.36246	0.013888	0.009764	0.00185	0.001417
578243.2	4137582	3.13922	4.48225	3.45015	0.01475	0.01037	0.001965	0.001505
578248.3	4137574	3.33818	4.62679	3.54363	0.015685	0.011027	0.002089	0.0016
578253.5	4137566	3.55159	4.77333	3.64348	0.016687	0.011732	0.002222	0.001702
578274	4137534	4.5246	5.35138	4.11726	0.021257	0.014946	0.002829	0.002168
578279.2	4137527	4.78447	5.48085	4.2509	0.022478	0.015804	0.002992	0.002292
578284.3	4137519	5.0422	5.59676	4.38594	0.023689	0.016655	0.003153	0.002415
578289.4	4137511	5.29743	5.7008	4.5239	0.024887	0.017498	0.003312	0.002538
578241.6	4137613	2.47129	3.77192	2.98918	0.011612	0.008164	0.001547	0.001185
578234.1	4137618	2.39433	3.73647	2.97547	0.011251	0.00791	0.001499	0.001148
578226.6	4137623	2.325	3.70247	2.96337	0.010925	0.007681	0.001456	0.001115
578219.1	4137629	2.26416	3.67073	2.95296	0.010639	0.00748	0.001418	0.001086
578211.7	4137634	2.21139	3.64068	2.94333	0.010392	0.007306	0.001385	0.001061
578204.2	4137639	2.16738	3.61366	2.93505	0.010185	0.00716	0.001358	0.00104
578196.7	4137644	2.13183	3.58922	2.92742	0.010018	0.007043	0.001335	0.001023
578189.2	4137649	2.10432	3.56698	2.91987	0.009889	0.006952	0.001318	0.001009
578181.8	4137654	2.08361	3.54552	2.91118	0.009791	0.006884	0.001305	0.001
578174.3	4137660	2.07029	3.52687	2.90284	0.009729	0.00684	0.001297	0.000993
578166.8	4137665	2.06325	3.50988	2.89403	0.009696	0.006817	0.001292	0.00099
578159.3	4137670	2.06206	3.49503	2.88531	0.00969	0.006813	0.001292	0.000989
578151.8	4137675	2.06557	3.48103	2.87605	0.009707	0.006824	0.001294	0.000991
578144.4	4137680	2.07381	3.46936	2.86775	0.009745	0.006851	0.001299	0.000995
578136.9	4137685	2.0857	3.45869	2.85994	0.009801	0.006891	0.001306	0.001
578129.4	4137690	2.10057	3.44867	2.8529	0.009871	0.00694	0.001316	0.001008
578121.9	4137696	2.1177	3.43857	2.84661	0.009951	0.006996	0.001326	0.001016
578114.5	4137701	2.13709	3.42903	2.842	0.010042	0.00706	0.001338	0.001025
578107	4137706	2.15758	3.41805	2.83793	0.010139	0.007128	0.001351	0.001035
578099.5	4137711	2.17912	3.4062	2.83497	0.01024	0.007199	0.001365	0.001045
578092	4137716	2.20237	3.39486	2.83411	0.010349	0.007276	0.001379	0.001056
578084.6	4137721	2.2278	3.38559	2.83626	0.010468	0.00736	0.001395	0.001068
578077.1	4137727	2.25582	3.3791	2.84156	0.0106	0.007452	0.001412	0.001082
578069.6	4137732	2.28644	3.37586	2.84977	0.010744	0.007553	0.001431	0.001096
578062.1	4137737	2.31934	3.37549	2.86001	0.010898	0.007662	0.001452	0.001112
578045.7	4137740	2.47176	3.50087	2.97549	0.011614	0.008165	0.001547	0.001185
578036.8	4137739	2.60153	3.63802	3.08778	0.012224	0.008594	0.001628	0.001247
578027.8	4137737	2.74196	3.7869	3.20529	0.012884	0.009058	0.001716	0.001314



578018.9	4137736	2.89334	3.94854	3.3276	0.013595	0.009558	0.001811	0.001387
578009.9	4137734	3.05529	4.12297	3.45379	0.014356	0.010093	0.001912	0.001465
578001	4137733	3.22804	4.3107	3.58362	0.015167	0.010663	0.00202	0.001547
577992.1	4137731	3.4118	4.51237	3.71735	0.01603	0.01127	0.002135	0.001635
577983.1	4137730	3.60369	4.72357	3.85199	0.016932	0.011904	0.002255	0.001727
577974.2	4137728	3.80252	4.94246	3.98694	0.017866	0.012561	0.002379	0.001822
577965.2	4137726	4.00437	5.16276	4.11877	0.018814	0.013228	0.002505	0.001919
577956.3	4137725	4.2105	5.38584	4.24967	0.019783	0.013909	0.002634	0.002018
577947.3	4137723	4.42134	5.61135	4.38047	0.020773	0.014605	0.002766	0.002119
577938.4	4137722	4.63729	5.8389	4.51188	0.021788	0.015318	0.002901	0.002222
577929.4	4137720	4.85938	6.06901	4.64497	0.022831	0.016052	0.003039	0.002328
577920.5	4137719	5.08416	6.29632	4.77669	0.023887	0.016794	0.00318	0.002436
577911.5	4137717	5.31191	6.52104	4.90753	0.024957	0.017546	0.003322	0.002545
577902.6	4137715	5.541	6.74078	5.03605	0.026033	0.018303	0.003465	0.002655
577893.7	4137714	5.77238	6.95706	5.16324	0.02712	0.019067	0.00361	0.002766
577884.7	4137712	6.00506	7.16902	5.28856	0.028213	0.019836	0.003755	0.002877
577875.8	4137711	6.23712	7.37492	5.41099	0.029303	0.020602	0.0039	0.002988
577866.8	4137709	6.46595	7.57195	5.529	0.030378	0.021358	0.004043	0.003098
577857.9	4137708	6.68835	7.75736	5.64122	0.031422	0.022092	0.004182	0.003204
577848.9	4137706	6.90042	7.92726	5.74571	0.032419	0.022793	0.004314	0.003306
577840	4137704	7.10004	8.08013	5.842	0.033356	0.023452	0.004439	0.003401
577831	4137703	7.2818	8.21035	5.92714	0.03421	0.024052	0.004552	0.003488
578254.2	4137600	2.70342	3.92558	3.0772	0.012703	0.008931	0.001692	0.001296
578259.3	4137592	2.8647	4.04669	3.15423	0.01346	0.009463	0.001793	0.001373
578264.4	4137584	3.03847	4.17065	3.23618	0.014276	0.010037	0.001901	0.001456
578269.6	4137576	3.22463	4.29666	3.32358	0.015151	0.010652	0.002017	0.001545
578274.7	4137569	3.42165	4.42356	3.41687	0.016076	0.011303	0.00214	0.00164
578279.9	4137561	3.62915	4.55053	3.51663	0.017051	0.011988	0.00227	0.001739
578295.3	4137537	4.29166	4.90959	3.84804	0.020163	0.014176	0.002684	0.002056
578300.4	4137529	4.51607	5.01357	3.96476	0.021217	0.014917	0.002824	0.002163
578257.5	4137624	2.27567	3.43556	2.74982	0.010693	0.007518	0.001425	0.001091
578249.8	4137629	2.20435	3.40351	2.73654	0.010358	0.007282	0.00138	0.001057
578242.2	4137634	2.13967	3.37309	2.72509	0.010054	0.007069	0.00134	0.001026
578234.6	4137640	2.08204	3.34388	2.71471	0.009784	0.006878	0.001304	0.000999
578226.9	4137645	2.03203	3.31723	2.70602	0.009549	0.006713	0.001273	0.000975
578219.3	4137650	1.98919	3.29176	2.69758	0.009348	0.006572	0.001246	0.000954
578211.6	4137655	1.95343	3.26765	2.68923	0.00918	0.006454	0.001224	0.000937
578204	4137661	1.92502	3.24572	2.68136	0.009046	0.00636	0.001206	0.000923
578196.3	4137666	1.90394	3.22664	2.67427	0.008947	0.00629	0.001193	0.000913
578188.7	4137671	1.8892	3.20928	2.66699	0.008878	0.006242	0.001183	0.000906
578181.1	4137676	1.8806	3.19371	2.65954	0.008838	0.006213	0.001178	0.000902
578173.4	4137682	1.87816	3.1817	2.65333	0.008826	0.006205	0.001177	0.000901
578165.8	4137687	1.88053	3.17128	2.64702	0.008837	0.006213	0.001178	0.000902
578158.1	4137692	1.88674	3.16139	2.64009	0.008866	0.006233	0.001182	0.000905
578150.5	4137698	1.89643	3.15262	2.63334	0.008912	0.006265	0.001188	0.00091
578142.8	4137703	1.90893	3.14427	2.62666	0.00897	0.006307	0.001196	0.000916
578135.2	4137708	1.92317	3.13523	2.6197	0.009037	0.006354	0.001205	0.000922
578127.6	4137713	1.93857	3.12495	2.6125	0.00911	0.006404	0.001214	0.00093
578119.9	4137719	1.9553	3.1143	2.60611	0.009188	0.00646	0.001225	0.000938
578112.3	4137724	1.9733	3.10361	2.6011	0.009273	0.006519	0.001236	0.000946
578104.6	4137729	1.99252	3.09311	2.59778	0.009363	0.006583	0.001248	0.000956
578097	4137734	2.01285	3.08282	2.59617	0.009458	0.00665	0.00126	0.000965
578089.4	4137740	2.03557	3.0753	2.59805	0.009565	0.006725	0.001274	0.000976
578081.7	4137745	2.0607	3.07062	2.60316	0.009683	0.006808	0.00129	0.000988
578074.1	4137750	2.08701	3.06676	2.60949	0.009807	0.006895	0.001307	0.001001
578066.4	4137756	2.11452	3.06411	2.6168	0.009936	0.006985	0.001324	0.001014
578049.6	4137759	2.24994	3.17605	2.72165	0.010572	0.007433	0.001408	0.001079
578040.5	4137758	2.36536	3.29779	2.82341	0.011114	0.007814	0.00148	0.001134
578031.3	4137756	2.48999	3.42944	2.92988	0.0117	0.008226	0.001558	0.001194
578022.2	4137754	2.62307	3.57004	3.03928	0.012325	0.008665	0.001642	0.001257

578013	4137753	2.76578	3.72213	3.15266	0.012995	0.009137	0.001731	0.001326
578003.9	4137751	2.91696	3.88436	3.26839	0.013706	0.009636	0.001825	0.001398
577994.8	4137750	3.07733	4.058	3.38715	0.014459	0.010166	0.001925	0.001475
577985.6	4137748	3.24514	4.24061	3.50727	0.015247	0.01072	0.00203	0.001555
577976.5	4137746	3.41928	4.43041	3.62789	0.016065	0.011295	0.002139	0.001639
577967.3	4137745	3.5976	4.62403	3.74742	0.016903	0.011884	0.002251	0.001724
577958.2	4137743	3.77852	4.81882	3.86501	0.017753	0.012482	0.002364	0.001811
577949	4137742	3.96216	5.01413	3.98119	0.018616	0.013088	0.002478	0.001899
577939.9	4137740	4.14994	5.21128	4.09785	0.019498	0.013708	0.002596	0.001989
577930.7	4137738	4.3464	5.41531	4.21897	0.020421	0.014357	0.002719	0.002083
577921.6	4137737	4.54639	5.61859	4.33993	0.02136	0.015018	0.002844	0.002178
577912.4	4137735	4.75013	5.82104	4.46097	0.022317	0.015691	0.002971	0.002276
577903.3	4137734	4.95244	6.01549	4.57758	0.023268	0.016359	0.003097	0.002373
577894.2	4137732	5.15806	6.20843	4.69399	0.024234	0.017038	0.003226	0.002471
577885	4137730	5.36604	6.39857	4.8093	0.025211	0.017725	0.003356	0.002571
577875.9	4137729	5.57542	6.5853	4.92309	0.026194	0.018416	0.003486	0.002671
577866.7	4137727	5.78345	6.76585	5.03367	0.027171	0.019104	0.003616	0.002771
577857.6	4137726	5.98934	6.93968	5.14088	0.028139	0.019784	0.003745	0.002869
577848.4	4137724	6.18863	7.10253	5.24233	0.029075	0.020442	0.003869	0.002965
577839.3	4137722	6.38023	7.25351	5.33783	0.029975	0.021075	0.003989	0.003056
577830.1	4137721	6.55905	7.38796	5.4249	0.030815	0.021665	0.004101	0.003142
577821	4137719	6.72436	7.50546	5.50364	0.031591	0.022211	0.004204	0.003221
578265.1	4137618	2.35314	3.46822	2.76456	0.011057	0.007774	0.001473	0.001128
578270.3	4137611	2.48441	3.56939	2.82856	0.011674	0.008207	0.001555	0.001191
578275.4	4137603	2.62738	3.67522	2.89753	0.012345	0.008679	0.001644	0.001259
578280.5	4137595	2.7813	3.78405	2.97113	0.013068	0.009188	0.00174	0.001333
578285.7	4137587	2.94549	3.89474	3.04933	0.013839	0.00973	0.001843	0.001412
578290.8	4137579	3.11861	4.00574	3.13196	0.014652	0.010302	0.001951	0.001495
578296	4137571	3.29993	4.11619	3.21927	0.015504	0.010901	0.002064	0.001581
578301.1	4137563	3.48791	4.22467	3.31108	0.016387	0.011521	0.002181	0.001671
578337.1	4137508	4.82393	4.80771	4.01741	0.022662	0.015934	0.003015	0.00231
578342.2	4137500	4.99575	4.85654	4.11768	0.023469	0.016501	0.003123	0.002393
578273.7	4137634	2.10683	3.14518	2.54007	0.0099	0.00696	0.001319	0.00101
578266.2	4137639	2.04285	3.11757	2.52802	0.009599	0.006749	0.001279	0.00098
578258.6	4137645	1.98383	3.09055	2.517	0.009322	0.006554	0.001242	0.000951
578251.1	4137650	1.93066	3.06466	2.50708	0.009072	0.006378	0.001209	0.000926
578243.6	4137655	1.88287	3.03916	2.49739	0.008848	0.00622	0.001179	0.000903
578236.1	4137660	1.84137	3.01554	2.48883	0.008653	0.006083	0.001153	0.000883
578228.5	4137665	1.80628	2.99392	2.48126	0.008488	0.005968	0.001131	0.000866
578221	4137671	1.7774	2.97407	2.47425	0.008352	0.005872	0.001113	0.000853
578213.5	4137676	1.75458	2.95629	2.46789	0.008245	0.005797	0.001099	0.000842
578205.9	4137681	1.73806	2.94136	2.46262	0.008168	0.005742	0.001089	0.000834
578198.4	4137686	1.7272	2.92862	2.45785	0.008117	0.005706	0.001082	0.000829
578190.9	4137691	1.72122	2.91728	2.45291	0.008089	0.005687	0.001078	0.000826
578183.4	4137697	1.71989	2.90759	2.44803	0.008082	0.005682	0.001077	0.000825
578175.8	4137702	1.7224	2.8989	2.44281	0.008094	0.00569	0.001079	0.000826
578168.3	4137707	1.72832	2.89119	2.43738	0.008122	0.00571	0.001083	0.000829
578160.8	4137712	1.73622	2.88218	2.43028	0.008159	0.005736	0.001088	0.000833
578153.2	4137717	1.74648	2.87389	2.42334	0.008207	0.00577	0.001094	0.000838
578145.7	4137722	1.75835	2.86528	2.4161	0.008263	0.005809	0.001101	0.000843
578138.2	4137728	1.77172	2.85692	2.40937	0.008326	0.005853	0.001111	0.00085
578130.7	4137733	1.78598	2.84801	2.40289	0.008393	0.0059	0.001118	0.000857
578123.1	4137738	1.8013	2.8393	2.39753	0.008464	0.005951	0.001128	0.000864
578115.6	4137743	1.81806	2.83178	2.39426	0.008543	0.006006	0.001138	0.000872
578108.1	4137748	1.83571	2.82441	2.39242	0.008626	0.006065	0.001149	0.00088
578100.5	4137754	1.85415	2.81723	2.39204	0.008713	0.006125	0.001161	0.000889
578093	4137759	1.87355	2.81051	2.39319	0.008804	0.006189	0.001173	0.000898
578085.5	4137764	1.89433	2.80528	2.39641	0.008901	0.006258	0.001186	0.000908
578077.9	4137769	1.91622	2.80099	2.40095	0.009004	0.00633	0.0012	0.000919
578070.4	4137774	1.93944	2.79835	2.40692	0.009113	0.006407	0.001214	0.00093

578053.9	4137778	2.05448	2.8926	2.49691	0.009654	0.006787	0.001286	0.000985
578044.9	4137776	2.15223	2.99491	2.58428	0.010113	0.00711	0.001347	0.001032
578035.9	4137775	2.25832	3.10632	2.67666	0.010611	0.00746	0.001413	0.001083
578026.8	4137773	2.37192	3.22585	2.77244	0.011145	0.007836	0.001484	0.001137
578017.8	4137772	2.49281	3.35347	2.87086	0.011713	0.008235	0.00156	0.001195
578008.8	4137770	2.62113	3.48989	2.97187	0.012316	0.008659	0.00164	0.001256
577999.8	4137769	2.75655	3.63487	3.07495	0.012952	0.009106	0.001725	0.001321
577990.8	4137767	2.89769	3.78662	3.17872	0.013615	0.009572	0.001813	0.001389
577981.8	4137765	3.04341	3.94361	3.2823	0.014299	0.010053	0.001904	0.001459
577972.8	4137764	3.19395	4.10601	3.3863	0.015007	0.010551	0.001998	0.001531
577963.8	4137762	3.35014	4.27463	3.49194	0.01574	0.011067	0.002096	0.001606
577954.8	4137761	3.50877	4.4445	3.59642	0.016486	0.011591	0.002195	0.001682
577945.8	4137759	3.66937	4.61436	3.69967	0.01724	0.012121	0.002295	0.001758
577936.7	4137758	3.83486	4.78748	3.80465	0.018018	0.012668	0.002399	0.001838
577927.7	4137756	4.00411	4.96174	3.91041	0.018813	0.013227	0.002504	0.001919
577918.7	4137754	4.1763	5.13528	4.01607	0.019622	0.013795	0.002612	0.002001
577909.7	4137753	4.3492	5.30494	4.11975	0.020434	0.014366	0.00272	0.002084
577900.7	4137751	4.52143	5.46878	4.22029	0.021243	0.014935	0.002828	0.002166
577891.7	4137750	4.69639	5.63119	4.32059	0.022065	0.015513	0.002937	0.00225
577882.7	4137748	4.87477	5.79313	4.42118	0.022903	0.016102	0.003048	0.002336
577873.7	4137746	5.05618	5.95435	4.5218	0.023755	0.016701	0.003162	0.002422
577864.7	4137745	5.23851	6.11263	4.621	0.024611	0.017304	0.003276	0.00251
577855.7	4137743	5.42045	6.26681	4.71811	0.025466	0.017904	0.003389	0.002597
577846.6	4137742	5.59933	6.41439	4.81167	0.026306	0.018495	0.003501	0.002682
577837.6	4137740	5.77295	6.55326	4.90061	0.027122	0.019069	0.003609	0.002765
577828.6	4137739	5.93808	6.6803	4.98323	0.027897	0.019614	0.003713	0.002844
577819.6	4137737	6.09534	6.79728	5.06096	0.028636	0.020133	0.003811	0.00292
577810.6	4137735	6.24643	6.9062	5.13537	0.029346	0.020632	0.003905	0.002992
578281.2	4137629	2.1765	3.17495	2.55471	0.010227	0.00719	0.001362	0.001044
578286.4	4137621	2.29483	3.26515	2.61333	0.010783	0.007581	0.001436	0.0011
578291.5	4137613	2.42244	3.35844	2.67554	0.011382	0.008002	0.001516	0.001161
578296.7	4137605	2.55866	3.45329	2.74085	0.012022	0.008452	0.001601	0.001226
578301.8	4137597	2.70374	3.55006	2.81028	0.012703	0.008931	0.001692	0.001296
578306.9	4137590	2.8554	3.64583	2.88227	0.013416	0.009432	0.001786	0.001368
578312.1	4137582	3.01374	3.74114	2.95798	0.01416	0.009955	0.001885	0.001444
578317.2	4137574	3.1775	3.83465	3.03711	0.014929	0.010496	0.001987	0.001522
578322.3	4137566	3.34543	3.92556	3.1196	0.015718	0.011051	0.002092	0.001603
578342.9	4137534	4.02973	4.2431	3.47369	0.018932	0.01331	0.002519	0.00193
578348	4137527	4.19579	4.30662	3.5647	0.019712	0.013859	0.002623	0.00201
578353.2	4137519	4.3567	4.36247	3.65482	0.020467	0.01439	0.002723	0.002087
578358.3	4137511	4.51096	4.41029	3.7432	0.021192	0.0149	0.00282	0.00216
578080.4	4137309	125.00631	72.67871	155.0558	0.587276	0.412902	0.078144	0.059876
578068.3	4137298	162.83211	81.23446	239.7586	0.765011	0.53786	0.101821	0.078011
578060.6	4137293	183.08215	85.6186	304.9303	0.860185	0.604769	0.114519	0.087732
578052.8	4137288	193.56382	88.16906	357.281	0.909469	0.639415	0.121113	0.092777
578045	4137283	191.65811	88.72958	374.0524	0.90054	0.633134	0.119946	0.091878
578085.9	4137301	109.05684	64.71129	136.162	0.512348	0.360221	0.068176	0.052237
578093.1	4137321	91.3593	60.21856	101.5595	0.429197	0.30176	0.057104	0.043756
578073.8	4137289	134.89332	71.20474	196.165	0.633751	0.445574	0.084351	0.064626
578066	4137284	148.59072	74.65445	237.1293	0.698125	0.490831	0.092937	0.0712
578058.2	4137279	156.0553	76.77208	268.5334	0.733217	0.5155	0.097627	0.074789
578050.5	4137274	155.92594	77.39171	279.8662	0.732623	0.515081	0.09756	0.074735
578091.3	4137292	95.57639	57.94434	119.7398	0.449019	0.315696	0.059751	0.045781
578100	4137305	81.15809	53.29531	92.57137	0.381275	0.268067	0.050731	0.038871
578102.9	4137319	75.42851	51.34085	81.52022	0.354355	0.24914	0.047146	0.036125
578079.2	4137281	113.82743	62.97067	162.476	0.53478	0.37599	0.071178	0.054533
578071.5	4137276	123.33352	65.74422	189.419	0.579454	0.407397	0.077135	0.059095
578063.7	4137271	128.83823	67.50612	209.6014	0.605329	0.425588	0.08059	0.06174
578055.9	4137266	129.50375	68.15262	217.8528	0.608464	0.427791	0.081015	0.062064
578096.8	4137284	84.26245	52.1737	105.5581	0.395867	0.278325	0.052679	0.040363

578105.5	4137297	73.38046	48.60409	84.07418	0.344737	0.242378	0.04587	0.035147
578112.7	4137317	63.53568	44.25304	66.98264	0.298482	0.209858	0.039711	0.030429
578109.9	4137332	64.44697	45.23362	65.89802	0.302762	0.212867	0.040279	0.030864
578118.7	4137300	58.52421	40.82198	63.1721	0.274941	0.193306	0.036581	0.02803
578122.2	4137316	54.53574	38.6089	56.12801	0.256201	0.180131	0.034085	0.026118
578120.5	4137325	55.19063	39.02933	55.97899	0.259277	0.182293	0.034493	0.026431
578108.4	4137268	66.29607	42.7995	81.82394	0.311461	0.218981	0.041447	0.031757
578095.6	4137256	74.00806	45.51295	99.45933	0.347699	0.244459	0.046276	0.035455
578087.8	4137251	78.00748	47.06984	108.9858	0.366493	0.257672	0.04878	0.037373
578080	4137246	80.60595	48.14254	116.054	0.378705	0.266257	0.050409	0.03862
578072.3	4137241	81.56206	48.6841	119.7757	0.383199	0.269417	0.051009	0.03908
578113.8	4137260	59.64343	39.12164	73.18679	0.280207	0.197007	0.037288	0.02857
578123.7	4137274	53.8498	37.00345	61.235	0.252984	0.177868	0.033662	0.025793
578138.6	4137329	42.4147	30.34393	41.28434	0.199256	0.140094	0.026507	0.020312
578135.4	4137346	42.15914	30.59867	39.79697	0.198054	0.139249	0.026346	0.020189
578101	4137247	65.41644	41.32319	86.30379	0.307334	0.216079	0.040903	0.031338
578093.3	4137242	68.60183	42.64668	93.47585	0.322302	0.226602	0.042897	0.032866
578085.5	4137237	70.71223	43.57055	98.81479	0.33222	0.233575	0.044219	0.033879
578077.7	4137232	71.60875	44.0706	101.7991	0.336434	0.236537	0.044782	0.034309
578119.1	4137251	53.80517	35.88345	65.62245	0.252779	0.177723	0.033638	0.025773
578128.9	4137265	49.46804	34.23802	56.42129	0.232399	0.163395	0.030923	0.023694
578138.6	4137280	43.98097	31.60435	46.86732	0.206619	0.14527	0.027491	0.021064
578148.5	4137326	37.63961	27.00739	36.22121	0.176823	0.124321	0.023522	0.018025
578145.3	4137343	37.66067	27.20574	35.30448	0.176921	0.12439	0.023535	0.018034
578106.5	4137239	58.30575	37.70411	75.58271	0.273926	0.192591	0.036456	0.027932
578098.7	4137234	60.86513	38.83264	81.09931	0.285953	0.201046	0.038058	0.029159
578091	4137229	62.61762	39.64034	85.25715	0.294188	0.206836	0.039156	0.029999
578083.2	4137224	63.45012	40.10043	87.68194	0.298101	0.209587	0.039678	0.030399
578124.5	4137243	48.77004	33.03052	59.05351	0.229123	0.161092	0.03049	0.023362
578134.2	4137257	45.51575	31.73172	51.94308	0.213832	0.150341	0.028453	0.021801
578143.8	4137271	41.06444	29.61416	43.99833	0.192917	0.135637	0.025668	0.019668
578161.5	4137307	32.9302	24.04757	31.85559	0.1547	0.108767	0.02058	0.01577
578158.3	4137324	33.67402	24.21755	32.06119	0.158193	0.111223	0.021044	0.016125
578155.2	4137341	33.85034	24.38135	31.50464	0.159021	0.111805	0.021153	0.016209
578152.1	4137358	33.12854	24.66918	29.84772	0.155629	0.109421	0.020702	0.015864
578111.9	4137231	52.34193	34.5538	66.7487	0.245907	0.172892	0.032726	0.025074
578104.2	4137226	54.44926	35.53163	71.09917	0.255809	0.179853	0.034046	0.026085
578096.4	4137221	55.94578	36.24931	74.42264	0.262841	0.184797	0.034983	0.026802
578088.6	4137216	56.70223	36.67268	76.42562	0.266396	0.187296	0.035457	0.027165
578150.9	4137250	36.95727	26.65355	40.61568	0.173623	0.122071	0.023102	0.017701
578156	4137257	35.21601	25.73728	37.56083	0.165442	0.116319	0.022013	0.016867
578171.5	4137280	29.81136	22.29029	29.40638	0.140049	0.098466	0.018632	0.014277
578176.7	4137287	28.20312	21.03562	27.29344	0.132493	0.093154	0.017626	0.013506
578180.2	4137304	27.10429	19.87699	25.64158	0.12733	0.089524	0.016938	0.012979
578178.5	4137313	27.46195	19.93451	25.80582	0.12901	0.090705	0.017161	0.013151
578171.8	4137349	27.90336	20.297	25.12833	0.131082	0.092162	0.017436	0.013361
578170.1	4137358	27.57199	20.4511	24.43045	0.129526	0.091068	0.017229	0.013202
578168.4	4137367	27.01419	20.60876	23.50892	0.126905	0.089225	0.016881	0.012935
578099.1	4137199	46.55683	31.25034	60.27066	0.21873	0.153784	0.029111	0.022304
578091.3	4137194	46.65791	31.38524	60.80966	0.219205	0.154118	0.029175	0.022353
578145.7	4137211	34.88453	24.78443	40.88055	0.163888	0.115226	0.021809	0.01671
578155.7	4137225	33.38237	24.10533	37.67417	0.15683	0.110264	0.020868	0.01599
578199.1	4137300	22.7397	16.71619	21.1231	0.106826	0.075108	0.01421	0.010889
578195.8	4137317	23.29794	16.80574	21.38815	0.109448	0.076951	0.014559	0.011156
578189.3	4137352	23.54869	17.19687	20.77058	0.110625	0.077779	0.014715	0.011276
578186	4137369	22.85211	17.44927	19.57231	0.107353	0.075478	0.014279	0.010942
578132.9	4137198	36.62497	25.65266	44.29259	0.172066	0.120976	0.022898	0.017544
578125.1	4137193	37.70549	26.23589	46.27079	0.177143	0.124545	0.023574	0.018062
578117.4	4137188	38.50865	26.68157	47.8223	0.180917	0.127198	0.024077	0.018447
578109.6	4137183	38.99894	26.97851	48.87145	0.183221	0.128818	0.024384	0.018683

578101.8	4137178	39.15503	27.11961	49.36715	0.183955	0.129334	0.024482	0.018758
578156.1	4137195	30.15236	21.82171	34.81683	0.141656	0.099595	0.01885	0.014443
578165.8	4137209	29.17951	21.36064	32.72919	0.137085	0.096382	0.018241	0.013977
578175.6	4137223	27.65073	20.5497	29.85558	0.129902	0.091331	0.017284	0.013244
578195.1	4137251	23.66514	18.04664	23.41097	0.111176	0.078166	0.014791	0.011334
578214.7	4137312	19.88105	14.35356	17.99558	0.093396	0.065665	0.012423	0.00952
578211.6	4137329	20.23112	14.49232	18.06379	0.09504	0.066821	0.012642	0.009687
578205.2	4137363	19.97218	14.92757	17.09037	0.093823	0.065966	0.012479	0.009563
578202	4137380	19.16689	15.0817	15.98692	0.09004	0.063306	0.011977	0.009178
578143.4	4137182	31.37761	22.47432	37.15251	0.147413	0.103643	0.019617	0.015031
578135.6	4137177	32.18798	22.93706	38.57367	0.151221	0.10632	0.020124	0.015419
578166.8	4137179	26.3057	19.35644	29.94036	0.123584	0.08689	0.016445	0.0126
578187.2	4137209	24.41682	18.34887	26.21234	0.114709	0.08065	0.015263	0.011695
578202.5	4137231	22.02331	16.85841	22.22154	0.103463	0.072743	0.013765	0.010548
578212.8	4137246	20.26516	15.60368	19.63727	0.095203	0.066935	0.012666	0.009705
578217.9	4137253	19.421	14.93025	18.48646	0.091236	0.064147	0.012138	0.009301
578223	4137261	18.62527	14.24932	17.4548	0.087498	0.061518	0.01164	0.008919
578228.1	4137268	17.88721	13.57661	16.54198	0.08403	0.05908	0.011178	0.008566
578236.7	4137292	16.80836	12.34824	15.15553	0.078961	0.055517	0.010503	0.008049
578230	4137327	17.57231	12.57741	15.48562	0.082549	0.058039	0.01098	0.008414
578226.7	4137345	17.67285	12.77873	15.30151	0.083021	0.058371	0.011043	0.008462
578223.3	4137363	17.43586	12.98967	14.77718	0.081908	0.057589	0.010894	0.008349
578220	4137381	16.79627	13.12367	13.91693	0.078904	0.055476	0.010495	0.008042
578218.4	4137390	16.32498	13.13385	13.38243	0.07669	0.05392	0.010201	0.007817
578161.7	4137171	26.46833	19.4208	30.41007	0.124349	0.087427	0.016547	0.012679
578153.9	4137166	27.22242	19.86953	31.64352	0.127892	0.089918	0.017019	0.01304
578146.1	4137161	27.85326	20.24656	32.70609	0.130856	0.092002	0.017414	0.013342
578138.3	4137156	28.34369	20.54658	33.56765	0.13316	0.093622	0.017721	0.013577
578130.6	4137151	28.6725	20.76035	34.19137	0.134705	0.094708	0.017926	0.013735
578122.8	4137146	28.83479	20.88747	34.56315	0.135468	0.095244	0.018028	0.013813
578177.1	4137162	23.18519	17.3048	26.05974	0.108924	0.076582	0.014494	0.011106
578187.1	4137177	22.7137	17.06063	25.02878	0.106709	0.075025	0.014199	0.01088
578197.1	4137192	21.89354	16.59207	23.48745	0.102855	0.072315	0.013686	0.010486
578202.1	4137199	21.36304	16.27361	22.55381	0.100362	0.070563	0.013354	0.010232
578232.1	4137243	17.34772	13.43452	16.4258	0.081497	0.057299	0.010842	0.008308
578242.1	4137257	16.08656	12.31718	14.81315	0.075571	0.053133	0.010053	0.007703
578252.1	4137272	15.00483	11.25764	13.53296	0.070489	0.04956	0.009377	0.007185
578255.5	4137288	14.7189	10.80151	13.11197	0.069145	0.048615	0.009197	0.007048
578249	4137323	15.3964	11.01281	13.43973	0.072327	0.050852	0.00962	0.007372
578245.7	4137340	15.54462	11.18799	13.36889	0.073023	0.051342	0.009713	0.007443
578239.2	4137375	15.0789	11.5165	12.50439	0.070836	0.049804	0.009422	0.00722
578236	4137392	14.3889	11.54589	11.7235	0.067595	0.047525	0.008991	0.00689
578232.7	4137409	13.42136	11.41787	10.78616	0.06305	0.04433	0.008387	0.006427
578164.4	4137150	23.87745	17.70998	27.30991	0.112177	0.078869	0.014928	0.011437
578156.6	4137145	24.37301	18.0186	28.12014	0.114505	0.080506	0.015238	0.011675
578148.8	4137140	24.76436	18.26755	28.7851	0.116344	0.081799	0.015482	0.011863
578141.1	4137135	25.037	18.45053	29.28133	0.117625	0.082699	0.015653	0.011993
578133.3	4137130	25.1773	18.56204	29.59031	0.118284	0.083163	0.015741	0.012061
578198.2	4137162	20.25248	15.38327	22.10803	0.095146	0.066895	0.01266	0.009701
578203.4	4137169	19.96808	15.21753	21.5601	0.093809	0.065955	0.012482	0.009564
578208.5	4137177	19.60738	15.00054	20.90577	0.092115	0.064764	0.012257	0.009391
578213.7	4137184	19.17762	14.73444	20.15742	0.090095	0.063344	0.011988	0.009185
578218.9	4137192	18.68549	14.42057	19.33219	0.087783	0.061719	0.01168	0.008949
578224.1	4137200	18.14947	14.06645	18.45827	0.085265	0.059948	0.011344	0.008693
578229.3	4137207	17.57537	13.67181	17.55485	0.082567	0.058051	0.010985	0.008417
578234.5	4137215	16.98146	13.24427	16.65319	0.079777	0.05609	0.010614	0.008133
578239.7	4137222	16.37856	12.787	15.7747	0.076944	0.054098	0.010237	0.007844
578270.8	4137268	13.24761	9.92525	11.81077	0.062234	0.043756	0.008278	0.006344
578274.3	4137284	13.02819	9.54252	11.47812	0.061203	0.043031	0.008141	0.006238
578272.6	4137293	13.20171	9.57923	11.58301	0.062018	0.043604	0.008249	0.006321

578270.9	4137302	13.36893	9.62744	11.67616	0.062803	0.044156	0.008353	0.006401
578264.1	4137338	13.7899	9.91895	11.74415	0.06478	0.045546	0.008616	0.006603
578262.5	4137347	13.78736	10.00348	11.6491	0.064768	0.045538	0.008614	0.006601
578260.8	4137356	13.73221	10.08658	11.50756	0.064509	0.045356	0.00858	0.006575
578259.1	4137365	13.61424	10.15796	11.31355	0.063955	0.044966	0.008506	0.006519
578254	4137392	12.86503	10.23774	10.44272	0.060436	0.042492	0.008039	0.00616
578252.3	4137401	12.4897	10.20257	10.07374	0.058673	0.041252	0.007804	0.00598
578250.6	4137410	12.0572	10.12873	9.6748	0.056641	0.039824	0.007534	0.005773
578249	4137419	11.57732	10.01724	9.25612	0.054387	0.038239	0.007235	0.005544
578233.8	4137182	16.64018	12.96419	17.01388	0.078174	0.054963	0.010401	0.00797
578243.9	4137197	15.73496	12.33136	15.58213	0.073921	0.051973	0.009835	0.007536
578249	4137204	15.24608	11.97	14.84781	0.071624	0.050358	0.009529	0.007302
578259.2	4137219	14.25904	11.1863	13.44288	0.066987	0.047097	0.008912	0.006829
578264.3	4137227	13.78136	10.77605	12.80217	0.064742	0.045519	0.008613	0.0066
578274.4	4137241	12.88883	9.94756	11.67945	0.060549	0.042571	0.008055	0.006172
578279.5	4137249	12.4888	9.54693	11.20222	0.058669	0.04125	0.007804	0.00598
578289.8	4137298	11.91781	8.58015	10.3138	0.055986	0.039363	0.007447	0.005706
578286.5	4137315	12.16842	8.69547	10.42542	0.057163	0.040191	0.007603	0.005826
578279.9	4137351	12.31969	8.98236	10.2826	0.057874	0.04069	0.007697	0.005899
578271.6	4137395	11.49686	9.14101	9.28399	0.054009	0.037973	0.007184	0.005505
578270	4137404	11.18428	9.10348	8.98762	0.05254	0.03694	0.006988	0.005355
578266.6	4137421	10.43648	8.94134	8.33344	0.049028	0.034471	0.006522	0.004997
578265	4137430	10.01092	8.81476	7.98501	0.047029	0.033065	0.006256	0.004794
578271.7	4137206	13.10368	10.34153	12.37266	0.061559	0.043281	0.00819	0.006275
578276.9	4137214	12.68018	9.98089	11.79397	0.059569	0.041882	0.007925	0.006072
578282.2	4137221	12.2704	9.61301	11.25562	0.057644	0.040529	0.007668	0.005876
578287.4	4137229	11.87928	9.24391	10.76294	0.055806	0.039237	0.007424	0.005689
578292.6	4137237	11.51212	8.88025	10.31842	0.054081	0.038024	0.007194	0.005513
578297.9	4137244	11.1729	8.52906	9.91986	0.052487	0.036903	0.006982	0.00535
578303.1	4137252	10.86197	8.19649	9.5636	0.051027	0.035876	0.006787	0.005201
578308.3	4137260	10.57705	7.88714	9.24259	0.049688	0.034935	0.006609	0.005065
578306.8	4137304	10.84415	7.76234	9.25697	0.050942	0.035817	0.006776	0.005192
578305.1	4137313	10.9501	7.82118	9.29914	0.05144	0.036167	0.006842	0.005243
578303.4	4137322	11.03409	7.88581	9.31801	0.051834	0.036444	0.006894	0.005283
578301.6	4137331	11.09023	7.95332	9.30913	0.052098	0.036629	0.006929	0.00531
578286.3	4137413	9.86409	8.14427	7.88553	0.046339	0.03258	0.006164	0.004723
578284.6	4137422	9.5291	8.06297	7.60273	0.044765	0.031474	0.005954	0.004563
578282.9	4137431	9.16423	7.95542	7.30674	0.043051	0.030269	0.005727	0.004388
578203.6	4137107	16.66003	12.84226	18.21743	0.078269	0.055029	0.010415	0.00798
578195.8	4137102	16.97224	13.05296	18.68112	0.079736	0.05606	0.01061	0.00813
578188	4137097	17.23685	13.23345	19.08547	0.080979	0.056934	0.010776	0.008256
578180.3	4137092	17.45066	13.38274	19.42515	0.081983	0.057641	0.010909	0.008359
578172.5	4137087	17.60749	13.49744	19.69099	0.08272	0.058159	0.011008	0.008434
578219.2	4137098	15.08317	11.7386	16.26901	0.07086	0.049821	0.009429	0.007225
578224.4	4137106	15.02816	11.70863	16.13102	0.070602	0.049639	0.009395	0.007198
578229.5	4137113	14.93232	11.65099	15.93846	0.070152	0.049322	0.009335	0.007152
578234.7	4137121	14.79884	11.56695	15.69401	0.069524	0.048881	0.009251	0.007088
578239.8	4137128	14.63051	11.45759	15.40058	0.068734	0.048325	0.009146	0.007008
578306.7	4137226	10.59687	8.22654	9.4776	0.049782	0.035001	0.006622	0.005074
578311.8	4137233	10.30153	7.92175	9.12766	0.048394	0.034025	0.006437	0.004933
578317	4137241	10.02884	7.62996	8.81232	0.047113	0.033124	0.006267	0.004802
578322.1	4137248	9.77925	7.35597	8.52874	0.04594	0.0323	0.006111	0.004683
578327.3	4137256	9.54812	7.10107	8.27032	0.044854	0.031536	0.005966	0.004572
578330.7	4137272	9.45304	6.89284	8.10685	0.044407	0.031222	0.005907	0.004526
578320.7	4137326	10.03592	7.18537	8.37712	0.047145	0.033147	0.00627	0.004805
578319	4137335	10.07113	7.24624	8.36036	0.04731	0.033263	0.006292	0.004822
578317.3	4137344	10.07759	7.30398	8.31882	0.047341	0.033285	0.006296	0.004825
578303.9	4137415	8.9682	7.37389	7.15614	0.04213	0.029621	0.005604	0.004294
578300.6	4137433	8.38794	7.21577	6.68553	0.039404	0.027705	0.005242	0.004017
578298.9	4137442	8.06347	7.10537	6.43454	0.03788	0.026633	0.005039	0.003861

578214.1	4137091	15.09744	11.74151	16.35244	0.070928	0.049868	0.009438	0.007231
578206.3	4137086	15.35937	11.92201	16.7335	0.072158	0.050733	0.009602	0.007357
578198.5	4137081	15.58164	12.07701	17.0664	0.073203	0.051467	0.009741	0.007464
578190.8	4137076	15.76246	12.20623	17.34806	0.074052	0.052064	0.009854	0.00755
578183	4137070	15.89601	12.30607	17.56991	0.07468	0.052506	0.009938	0.007614
578229.6	4137082	13.74426	10.7804	14.7051	0.06457	0.045398	0.008592	0.006583
578239.8	4137097	13.63691	10.71745	14.46051	0.064066	0.045043	0.008525	0.006532
578249.9	4137111	13.40791	10.56816	14.05286	0.06299	0.044287	0.008381	0.006422
578260	4137126	13.07726	10.34196	13.50059	0.061436	0.043195	0.008174	0.006264
578349.6	4137268	8.60302	6.26399	7.32317	0.040414	0.028415	0.005375	0.004119
578346.3	4137286	8.81373	6.33372	7.44792	0.041404	0.029111	0.005507	0.00422
578338	4137330	9.17125	6.58448	7.57685	0.043083	0.030291	0.00573	0.004391
578334.7	4137347	9.18498	6.68634	7.51401	0.043148	0.030337	0.005739	0.004398
578331.4	4137365	9.10296	6.76791	7.37933	0.042762	0.030066	0.005687	0.004358
578329.8	4137374	9.02095	6.79462	7.28282	0.042377	0.029795	0.005636	0.004319
578319.9	4137427	7.95154	6.64842	6.33093	0.037354	0.026263	0.004969	0.003807
578316.6	4137444	7.42336	6.47856	5.92212	0.034873	0.024519	0.004639	0.003555
578224.6	4137075	13.74852	10.77844	14.76314	0.06459	0.045412	0.008595	0.006585
578216.8	4137069	13.96873	10.9332	15.07848	0.065625	0.04614	0.008732	0.006691
578209	4137064	14.15639	11.06681	15.35508	0.066507	0.046759	0.00885	0.006781
578201.2	4137059	14.30853	11.17792	15.5888	0.067221	0.047262	0.008945	0.006854
578193.5	4137054	14.42307	11.26537	15.77602	0.06776	0.04764	0.009017	0.006909
578240.2	4137066	12.58279	9.93919	13.36041	0.059114	0.041562	0.007866	0.006027
578245.4	4137074	12.55691	9.92539	13.28256	0.058992	0.041476	0.00785	0.006014
578250.6	4137081	12.50046	9.89042	13.16612	0.058727	0.04129	0.007814	0.005987
578255.8	4137089	12.41689	9.83588	13.01415	0.058334	0.041014	0.007762	0.005947
578261	4137096	12.30845	9.76278	12.82859	0.057825	0.040655	0.007694	0.005895
578266.2	4137104	12.17712	9.6721	12.61132	0.057207	0.040221	0.007612	0.005832
578271.4	4137111	12.02667	9.56612	12.36587	0.056501	0.039724	0.007518	0.00576
578302.5	4137157	10.73288	8.59447	10.35099	0.050422	0.035451	0.006708	0.00514
578307.7	4137164	10.46625	8.3798	9.95964	0.049169	0.03457	0.006541	0.005012
578312.9	4137172	10.19323	8.15329	9.56974	0.047886	0.033668	0.006371	0.004882
578318.1	4137180	9.91827	7.91671	9.18831	0.046594	0.03276	0.006199	0.00475
578365	4137282	8.06753	5.79174	6.76953	0.037898	0.026646	0.005041	0.003863
578363.3	4137291	8.15696	5.83348	6.81751	0.038318	0.026941	0.005096	0.003905
578361.6	4137300	8.23797	5.87947	6.8564	0.038699	0.027209	0.005147	0.003944
578359.9	4137309	8.30799	5.92898	6.88459	0.039028	0.02744	0.005191	0.003978
578358.2	4137318	8.36364	5.97989	6.89951	0.039289	0.027624	0.005225	0.004004
578349.8	4137364	8.3531	6.1973	6.74253	0.03924	0.027589	0.005219	0.003999
578348.1	4137373	8.28369	6.22108	6.66224	0.038914	0.02736	0.005176	0.003966
578346.4	4137382	8.1885	6.23325	6.56437	0.038467	0.027045	0.005116	0.003921
578344.7	4137391	8.06775	6.23252	6.44944	0.037899	0.026647	0.005041	0.003863
578343	4137400	7.92294	6.21856	6.3192	0.037219	0.026168	0.00495	0.003794
578341.3	4137409	7.75496	6.1907	6.17477	0.03643	0.025614	0.004845	0.003713
578339.6	4137418	7.56756	6.1504	6.01979	0.03555	0.024995	0.004729	0.003623
578337.9	4137427	7.36131	6.0966	5.85451	0.034581	0.024314	0.0046	0.003525
578336.2	4137436	7.13751	6.02932	5.6804	0.03353	0.023575	0.00446	0.003418
578334.6	4137445	6.89963	5.94954	5.5001	0.032413	0.022789	0.004312	0.003304
578332.9	4137454	6.64869	5.85693	5.31444	0.031234	0.02196	0.004155	0.003184
578235	4137058	12.57996	9.9335	13.40182	0.0591	0.041552	0.007864	0.006026
578227.3	4137053	12.76713	10.0674	13.66605	0.05998	0.042171	0.007981	0.006115
578219.5	4137048	12.92654	10.18308	13.89789	0.060729	0.042697	0.008081	0.006192
578211.7	4137043	13.05845	10.28105	14.09677	0.061349	0.043133	0.008163	0.006255
578204	4137038	13.1605	10.36014	14.25948	0.061828	0.04347	0.008227	0.006304
578250.6	4137050	11.56397	9.19324	12.19447	0.054327	0.038196	0.007229	0.005539
578255.8	4137057	11.54555	9.18357	12.13484	0.054241	0.038135	0.007217	0.00553
578260.9	4137065	11.50569	9.15878	12.04794	0.054053	0.038004	0.007192	0.005511
578266	4137072	11.44505	9.11889	11.93422	0.053768	0.037803	0.007154	0.005482
578276.2	4137087	11.25904	8.99034	11.62195	0.052894	0.037189	0.007038	0.005393
578281.4	4137095	11.13771	8.90377	11.42696	0.052324	0.036788	0.006962	0.005335

578286.5	4137102	10.99953	8.80346	11.20785	0.051675	0.036332	0.006876	0.005268
578291.6	4137109	10.84601	8.69026	10.96601	0.050954	0.035825	0.00678	0.005195
578296.7	4137117	10.67992	8.56594	10.70462	0.050173	0.035276	0.006676	0.005115
578301.8	4137124	10.4991	8.4288	10.42257	0.049324	0.034679	0.006563	0.005028
578312.1	4137139	10.09582	8.11531	9.80431	0.047429	0.033346	0.00631	0.004835
578317.2	4137147	9.87495	7.93894	9.47485	0.046391	0.032617	0.006172	0.004729
578322.3	4137154	9.64542	7.7511	9.13943	0.045313	0.031859	0.006028	0.004619
578327.4	4137162	9.41009	7.5533	8.80411	0.044207	0.031081	0.005881	0.004507
578332.5	4137169	9.17267	7.34706	8.4746	0.043092	0.030297	0.005733	0.004393
578337.7	4137177	8.93622	7.13402	8.15592	0.041981	0.029516	0.005585	0.004279
578347.9	4137192	8.48087	6.69836	7.56946	0.039841	0.028012	0.0053	0.004061
578353	4137199	8.26869	6.48201	7.30807	0.038844	0.027311	0.005167	0.00396
578378.9	4137305	7.62977	5.44292	6.29014	0.035842	0.0252	0.004767	0.003653
578375.5	4137322	7.72343	5.53483	6.31523	0.036282	0.025509	0.004825	0.003698
578372.2	4137340	7.7563	5.62049	6.2913	0.036436	0.025618	0.004846	0.003714
578355.5	4137429	6.78759	5.60104	5.39271	0.031886	0.022419	0.004241	0.00325
578352.2	4137447	6.38916	5.47088	5.09064	0.030015	0.021103	0.003992	0.003059
578350.5	4137456	6.17359	5.39098	4.9326	0.029002	0.020391	0.003858	0.002956
578245.5	4137042	11.56	9.18757	12.22612	0.054309	0.038183	0.007226	0.005537
578237.8	4137037	11.72185	9.30515	12.4511	0.055069	0.038718	0.007328	0.005615
578230	4137032	11.86049	9.40731	12.64944	0.05572	0.039176	0.007414	0.005681
578222.2	4137027	11.97652	9.49481	12.82121	0.056266	0.039559	0.007487	0.005737
578214.4	4137022	12.0676	9.56639	12.96333	0.056693	0.03986	0.007544	0.00578
578206.7	4137017	12.12996	9.61943	13.07095	0.056987	0.040066	0.007583	0.00581
578261.2	4137034	10.67165	8.53322	11.18096	0.050135	0.035249	0.006671	0.005111
578266.5	4137041	10.65667	8.52526	11.13135	0.050065	0.035199	0.006662	0.005104
578271.7	4137049	10.62266	8.5038	11.05814	0.049905	0.035087	0.00664	0.005088
578276.9	4137057	10.57222	8.47013	10.96358	0.049668	0.03492	0.006609	0.005064
578282.2	4137064	10.50366	8.42281	10.84574	0.049346	0.034694	0.006566	0.005031
578287.4	4137072	10.41854	8.36247	10.70571	0.048946	0.034413	0.006513	0.00499
578292.6	4137080	10.31644	8.28858	10.54273	0.048466	0.034076	0.006449	0.004941
578297.8	4137087	10.19695	8.20052	10.35604	0.047905	0.033681	0.006374	0.004884
578303.1	4137095	10.06409	8.10103	10.14949	0.04728	0.033242	0.006291	0.00482
578308.3	4137102	9.91776	7.98975	9.92291	0.046593	0.032759	0.006199	0.00475
578313.5	4137110	9.76016	7.86839	9.67933	0.045852	0.032238	0.006101	0.004675
578318.8	4137118	9.59141	7.7366	9.4194	0.045059	0.03168	0.005995	0.004594
578324	4137125	9.41101	7.59376	9.1445	0.044212	0.031085	0.005882	0.004507
578329.2	4137133	9.22018	7.44008	8.85766	0.043315	0.030454	0.005763	0.004416
578334.4	4137141	9.0189	7.27482	8.56137	0.04237	0.029789	0.005637	0.004319
578339.7	4137148	8.80994	7.09905	8.26066	0.041388	0.029099	0.005506	0.004219
578344.9	4137156	8.59686	6.91466	7.9616	0.040387	0.028395	0.005373	0.004117
578350.1	4137163	8.38248	6.72304	7.66894	0.039379	0.027687	0.005239	0.004014
578355.4	4137171	8.17055	6.52658	7.38785	0.038384	0.026987	0.005106	0.003913
578360.6	4137179	7.96414	6.32746	7.12193	0.037414	0.026305	0.004977	0.003814
578365.8	4137186	7.76633	6.12871	6.87449	0.036484	0.025652	0.004853	0.003719
578371.1	4137194	7.57972	5.9331	6.64712	0.035608	0.025035	0.004737	0.00363
578376.3	4137202	7.40575	5.74353	6.44042	0.03479	0.024461	0.004628	0.003546
578381.5	4137209	7.24501	5.56205	6.2533	0.034035	0.02393	0.004527	0.003469
578386.7	4137217	7.09668	5.39045	6.08384	0.033338	0.02344	0.004434	0.003398
578406	4137256	6.68381	4.84408	5.5797	0.031398	0.022076	0.004176	0.0032
578394	4137320	7.13498	5.11205	5.80376	0.033517	0.023566	0.004458	0.003416
578392.3	4137329	7.16017	5.1537	5.80238	0.033636	0.023649	0.004473	0.003428
578390.6	4137338	7.17048	5.19251	5.78986	0.033684	0.023683	0.00448	0.003433
578388.9	4137347	7.16436	5.22668	5.76507	0.033655	0.023663	0.004476	0.00343
578387.2	4137356	7.14145	5.25549	5.72855	0.033548	0.023587	0.004462	0.003419
578385.5	4137365	7.10095	5.27765	5.67988	0.033358	0.023453	0.004436	0.0034
578383.8	4137375	7.0432	5.29246	5.6195	0.033086	0.023263	0.0044	0.003372
578382.1	4137384	6.96585	5.2978	5.5461	0.032723	0.023007	0.004352	0.003335
578365.1	4137475	5.37831	4.82881	4.32829	0.025266	0.017764	0.003361	0.002576
578363.4	4137484	5.16551	4.73369	4.18094	0.024267	0.017061	0.003228	0.002474



578361.7	4137493	4.94896	4.63182	4.03367	0.023249	0.016346	0.003093	0.00237
578360	4137502	4.73046	4.52397	3.8876	0.022223	0.015625	0.002957	0.002265
578256	4137026	10.66496	8.5262	11.20437	0.050104	0.035227	0.006667	0.005108
578248.2	4137021	10.80385	8.62861	11.39546	0.050756	0.035686	0.006754	0.005175
578240.5	4137016	10.92312	8.7179	11.56439	0.051317	0.03608	0.006828	0.005232
578232.7	4137011	11.02607	8.79658	11.7141	0.0518	0.03642	0.006893	0.005281
578224.9	4137006	11.10702	8.86111	11.8384	0.052181	0.036687	0.006943	0.00532
578217.1	4137001	11.16586	8.9112	11.9362	0.052457	0.036881	0.00698	0.005348
578015.9	4137279	158.72892	94.66529	296.9278	0.745823	0.524357	0.099344	0.076096
578004.4	4137291	158.13865	113.783	252.9458	0.743019	0.52239	0.098944	0.075796
577999.3	4137299	157.14462	128.4976	223.2307	0.738331	0.519096	0.098305	0.075309
577994.1	4137307	153.85863	144.5078	197.9522	0.722887	0.508239	0.096244	0.073732
577988.9	4137315	149.83742	160.6575	176.9575	0.703996	0.494957	0.093731	0.071805
577983.7	4137323	145.33835	174.6365	156.4284	0.682859	0.480096	0.090917	0.06965
577978.5	4137331	139.94762	183.2606	136.4042	0.657529	0.462288	0.087544	0.067066
577973.4	4137339	133.29867	184.5969	119.1492	0.626288	0.440323	0.083382	0.063878
577968.2	4137347	125.04309	178.787	105.5778	0.587498	0.413051	0.078216	0.059921
577963	4137354	115.15416	167.6416	95.3035	0.541037	0.380386	0.072032	0.055183
577957.8	4137362	103.34562	152.75	86.91053	0.48556	0.341381	0.064649	0.049526
577952.6	4137370	90.06908	136.1051	79.53188	0.423189	0.297529	0.056351	0.043168
577947.4	4137378	76.5279	119.6067	72.70179	0.359576	0.252804	0.047889	0.036684
577942.3	4137386	64.97492	105.1198	66.29517	0.305302	0.214644	0.040668	0.031151
577937.1	4137394	57.61399	93.37194	60.27401	0.270716	0.190329	0.036063	0.027623
577931.9	4137402	54.48048	84.30298	54.69545	0.255986	0.179973	0.034095	0.026117
578007.6	4137274	125.86482	86.55789	205.8825	0.591381	0.415778	0.078752	0.060327
578027.7	4137266	138.46688	78.01803	249.1927	0.650601	0.457413	0.086646	0.066373
577996.1	4137286	120.75642	100.2444	168.6988	0.567363	0.398894	0.07554	0.05787
577990.9	4137294	118.62985	110.2793	151.2287	0.557366	0.391867	0.074205	0.056848
577985.7	4137302	114.87852	120.1657	134.3171	0.53974	0.379475	0.071857	0.05505
577980.5	4137309	110.25066	128.8921	119.4172	0.518	0.364189	0.068965	0.052834
577975.4	4137317	105.09775	135.1463	106.4179	0.493793	0.34717	0.065746	0.050366
577970.2	4137325	99.02278	137.2264	94.71787	0.465254	0.327104	0.061949	0.047457
577965	4137333	92.24655	134.9385	84.98998	0.433419	0.304722	0.057713	0.044211
577959.8	4137341	84.77397	128.7753	77.27174	0.398313	0.28004	0.053042	0.040632
577954.6	4137349	76.55536	119.5997	71.17631	0.359703	0.252893	0.047904	0.036696
577949.4	4137357	67.73871	108.5819	66.13745	0.318283	0.223772	0.042394	0.032473
577944.3	4137365	58.82894	96.93608	61.68473	0.276427	0.194343	0.036825	0.028206
577939.1	4137373	50.77277	85.83327	57.56644	0.238579	0.167734	0.03179	0.024348
577933.9	4137381	44.68255	76.26891	53.68677	0.209966	0.147616	0.027981	0.02143
577928.7	4137388	41.06306	68.5966	49.96181	0.192957	0.135658	0.025713	0.019693
577923.5	4137396	39.54258	62.6736	46.37237	0.185807	0.130632	0.024756	0.018961
577999.2	4137268	100.51514	77.84035	146.1759	0.472262	0.332032	0.062879	0.04817
578011.8	4137259	106.22039	71.59341	169.5401	0.499074	0.350882	0.066455	0.050908
578025.6	4137257	114.5732	69.09586	192.0234	0.538322	0.378475	0.071683	0.054913
577987.7	4137280	94.11624	86.8893	119.1718	0.442191	0.310891	0.058869	0.0451
577982.5	4137288	91.54702	93.31381	107.6198	0.430119	0.302403	0.057262	0.043868
577977.4	4137296	87.8029	98.97298	96.13199	0.412529	0.290036	0.054921	0.042075
577972.2	4137304	83.28917	103.2278	85.82492	0.391325	0.275128	0.052101	0.039914
577967	4137312	78.21576	105.3992	76.93935	0.367492	0.258372	0.048931	0.037485
577961.8	4137320	72.56059	104.8669	69.37536	0.340927	0.239693	0.045398	0.034777
577956.6	4137328	66.39599	101.5636	63.14835	0.311968	0.219333	0.041547	0.031826
577951.4	4137336	59.95822	96.01908	58.27266	0.281725	0.198069	0.037524	0.028743
577946.3	4137343	53.38568	88.8593	54.45418	0.250849	0.176361	0.033417	0.025596
577941.1	4137351	46.85124	80.71573	51.26125	0.220152	0.154778	0.029334	0.022467
577935.9	4137359	40.77676	72.35894	48.41374	0.191615	0.134714	0.025537	0.019558
577930.7	4137367	35.79654	64.67788	45.84977	0.168217	0.118264	0.022423	0.017172
577925.5	4137375	32.25742	58.03829	43.43315	0.151588	0.106573	0.020208	0.015475
577920.4	4137383	30.23067	52.66776	41.12027	0.142062	0.099876	0.018937	0.014502
577915.2	4137391	29.42905	48.489	38.85128	0.138291	0.097225	0.018431	0.014116
577990.8	4137263	81.31525	69.23005	107.9185	0.382047	0.268606	0.050862	0.038966

578003.5	4137254	88.00234	65.34813	128.8274	0.41347	0.290697	0.055049	0.042173
578023.6	4137247	96.2666	61.42662	152.0569	0.452301	0.317998	0.060222	0.046135
578038.6	4137250	105.94553	62.02547	172.5472	0.497778	0.349971	0.066277	0.050773
577998.9	4137246	74.71762	58.21455	103.7035	0.351049	0.246812	0.046735	0.035804
578006.5	4137241	76.31896	56.05404	109.4143	0.358573	0.252102	0.047738	0.036572
578023	4137237	83.12501	55.02247	125.4824	0.390552	0.274585	0.051996	0.039834
578035.6	4137221	69.58234	45.98331	100.4861	0.326918	0.229846	0.04352	0.033341
578052.8	4137224	72.8507	45.88646	106.1984	0.342273	0.240642	0.045563	0.034907
578050.1	4137214	64.77455	42.20172	91.7928	0.304327	0.213964	0.04051	0.031036
578047.5	4137204	57.81181	38.82648	79.78665	0.271613	0.190964	0.036154	0.027699
578064.2	4137207	58.63817	38.3319	80.92997	0.275494	0.193693	0.03667	0.028094
577934.2	4137224	25.00377	28.97547	27.13763	0.117477	0.082594	0.01564	0.011982
578055.5	4137188	48.43583	33.36348	64.31462	0.22756	0.159992	0.030289	0.023206
578064.5	4137189	48.77806	33.19589	64.79878	0.229168	0.161122	0.030502	0.023369
578073.4	4137191	48.57787	32.79813	64.34243	0.228227	0.16046	0.030377	0.023273
578082.4	4137193	47.85104	32.18477	62.97282	0.224811	0.158059	0.029921	0.022925
577926.6	4137229	22.80673	27.8289	24.61477	0.107156	0.075338	0.014267	0.01093
577921.5	4137237	21.49052	27.59237	23.14569	0.100973	0.070991	0.013445	0.0103
577916.3	4137245	20.03001	27.12975	21.64489	0.094112	0.066167	0.012533	0.009601
577911.1	4137253	18.49226	26.47659	20.1977	0.086889	0.061088	0.011573	0.008865
577905.9	4137261	16.95927	25.71239	18.89993	0.079688	0.056025	0.010615	0.008131
577900.7	4137268	15.42644	24.79666	17.7298	0.072487	0.050962	0.009658	0.007397
577895.6	4137276	13.91197	23.71652	16.67137	0.065373	0.04596	0.008712	0.006672
577890.4	4137284	12.46199	22.51335	15.73109	0.058562	0.041172	0.007806	0.005978
577885.2	4137292	11.12896	21.2629	14.92623	0.0523	0.036769	0.006973	0.00534
577880	4137300	9.94231	20.01972	14.25242	0.046725	0.032849	0.006232	0.004772
577874.8	4137308	8.90408	18.79228	13.67412	0.041848	0.02942	0.005583	0.004274
577869.6	4137316	8.02427	17.61229	13.17215	0.037715	0.026514	0.005033	0.003853
577864.5	4137324	7.31929	16.54983	12.7575	0.034402	0.024185	0.004592	0.003515
577859.3	4137332	6.77139	15.5831	12.39125	0.031828	0.022376	0.004249	0.003253
577854.1	4137340	6.37261	14.71844	12.06227	0.029954	0.021058	0.004	0.003061
577848.9	4137347	6.11386	13.96697	11.77125	0.028738	0.020203	0.003837	0.002937
577917.8	4137213	19.3389	23.44949	21.0424	0.090862	0.063882	0.012098	0.009268
577932.4	4137203	22.60991	25.08877	24.79103	0.106229	0.074686	0.014142	0.010834
577947	4137194	25.62794	26.16712	28.69199	0.120407	0.084655	0.016028	0.01228
578058.5	4137170	40.93545	29.02476	52.60227	0.192321	0.135216	0.025597	0.019611
578075.8	4137173	41.23115	28.71212	52.95072	0.19371	0.136192	0.025781	0.019753
577905.4	4137226	16.67436	22.18891	18.31554	0.078346	0.055082	0.010433	0.007992
577900.2	4137234	15.556	21.7569	17.28946	0.073092	0.051388	0.009735	0.007457
577895	4137242	14.37429	21.17716	16.27051	0.067541	0.047485	0.008997	0.006891
577889.8	4137250	13.16419	20.46696	15.29111	0.061857	0.043489	0.008241	0.006312
577884.7	4137258	11.96441	19.65396	14.3807	0.056221	0.039526	0.007491	0.005738
577879.5	4137266	10.82472	18.79782	13.58602	0.050867	0.035762	0.00678	0.005192
577874.3	4137274	9.74959	17.88762	12.87942	0.045817	0.032211	0.006108	0.004677
577869.1	4137282	8.75963	16.94645	12.25721	0.041166	0.028941	0.005489	0.004203
577863.9	4137289	7.87132	16.00389	11.71684	0.036993	0.026007	0.004934	0.003778
577858.7	4137297	7.10262	15.10713	11.26507	0.033382	0.023468	0.004454	0.00341
577853.6	4137305	6.44255	14.24172	10.8645	0.030281	0.021288	0.004041	0.003094
577848.4	4137313	5.89478	13.43437	10.51116	0.027707	0.019479	0.003699	0.002831
577843.2	4137321	5.45806	12.70409	10.20093	0.025655	0.018036	0.003426	0.002622
577838	4137329	5.12895	12.06523	9.9329	0.024109	0.016949	0.00322	0.002464
577832.8	4137337	4.89459	11.49965	9.68901	0.023008	0.016174	0.003073	0.002352
577902.1	4137203	15.41974	19.33331	16.93648	0.072449	0.050937	0.009647	0.00739
577909.8	4137197	16.78315	20.14812	18.362	0.078854	0.05544	0.010499	0.008043
577917.4	4137192	18.16058	20.89332	19.86582	0.085325	0.059989	0.01136	0.008703
577925.1	4137187	19.50405	21.53482	21.41202	0.091637	0.064427	0.012199	0.009346
577932.7	4137182	20.78409	22.0595	22.9665	0.09765	0.068655	0.012999	0.009959
577940.4	4137177	21.96976	22.45335	24.4839	0.10322	0.072571	0.01374	0.010527
577948	4137171	23.06936	22.74483	25.96371	0.108386	0.076203	0.014428	0.011053
577955.7	4137166	24.03484	22.90765	27.33382	0.112921	0.079392	0.015031	0.011516

577963.3	4137161	24.83911	22.93843	28.54225	0.116699	0.082048	0.015533	0.011901
577971	4137156	25.4629	22.8419	29.54276	0.11963	0.084108	0.015923	0.012199
577978.6	4137150	25.93811	22.65729	30.35686	0.121862	0.085678	0.01622	0.012427
578066.8	4137154	35.28477	25.48772	44.18439	0.165772	0.11655	0.022063	0.016904
578075.9	4137155	35.44584	25.38558	44.37962	0.166529	0.117082	0.022163	0.016981
578085	4137157	35.32123	25.14389	44.12448	0.165943	0.116671	0.022085	0.016921
578094.1	4137159	34.92365	24.77358	43.44141	0.164075	0.115357	0.021836	0.01673
577894.5	4137208	14.03118	18.44912	15.56052	0.065926	0.04635	0.008779	0.006725
577889.3	4137216	13.11374	18.08569	14.7268	0.061617	0.04332	0.008206	0.006286
577884.1	4137224	12.14009	17.57461	13.87075	0.057043	0.040105	0.007598	0.00582
577878.9	4137232	11.23197	17.07133	13.13808	0.052777	0.037105	0.007031	0.005385
577873.8	4137239	10.35695	16.54156	12.48119	0.048667	0.034215	0.006485	0.004967
577868.6	4137247	9.47878	15.92617	11.84939	0.044542	0.031315	0.005936	0.004546
577863.4	4137255	8.62486	15.26354	11.26217	0.04053	0.028495	0.005403	0.004137
577858.2	4137263	7.82485	14.57727	10.73775	0.036772	0.025852	0.004903	0.003754
577853	4137271	7.08844	13.87326	10.2747	0.033313	0.02342	0.004443	0.003402
577847.8	4137279	6.42273	13.17304	9.86783	0.030186	0.021221	0.004027	0.003083
577842.7	4137287	5.83663	12.50194	9.51	0.027432	0.019285	0.00366	0.002802
577837.5	4137295	5.33044	11.85638	9.19477	0.025054	0.017613	0.003344	0.00256
577832.3	4137303	4.90255	11.23547	8.91177	0.023044	0.0162	0.003076	0.002355
577827.1	4137311	4.54558	10.64597	8.63921	0.021367	0.015021	0.002853	0.002184
577821.9	4137318	4.2603	10.11044	8.38544	0.020026	0.014078	0.002674	0.002047
577816.8	4137326	4.05532	9.67966	8.18601	0.019063	0.013401	0.002546	0.001949
577885.8	4137192	12.24893	15.95803	13.6643	0.057552	0.040463	0.007664	0.005871
577900.7	4137182	14.49709	17.38262	15.92112	0.068114	0.047888	0.009069	0.006948
577915.6	4137172	16.72677	18.57413	18.33152	0.078588	0.055253	0.010462	0.008015
577923	4137167	17.73619	19.02237	19.52193	0.08333	0.058587	0.011093	0.008499
577937.9	4137157	19.53857	19.64563	21.76098	0.091797	0.06454	0.012219	0.009362
577945.4	4137152	20.33725	19.84381	22.81194	0.095549	0.067178	0.012719	0.009744
577960.2	4137141	21.61248	19.96622	24.60541	0.10154	0.07139	0.013515	0.010355
577975.1	4137131	22.39524	19.74475	25.83732	0.105217	0.073975	0.014004	0.010729
577873.2	4137205	10.4765	14.8357	12.0546	0.049226	0.034609	0.006557	0.005022
577868	4137213	9.74811	14.4291	11.45723	0.045804	0.032203	0.006102	0.004674
577862.9	4137221	9.00385	13.95999	10.86526	0.042308	0.029745	0.005637	0.004317
577857.7	4137229	8.27049	13.4533	10.30423	0.038863	0.027323	0.005179	0.003966
577852.5	4137237	7.59414	12.96705	9.82141	0.035686	0.025089	0.004756	0.003643
577847.3	4137245	6.95281	12.46781	9.38404	0.032673	0.022971	0.004356	0.003336
577842.1	4137253	6.33663	11.93427	8.97194	0.029779	0.020936	0.003971	0.003041
577836.9	4137261	5.77054	11.39807	8.6046	0.02712	0.019066	0.003617	0.00277
577831.8	4137268	5.26647	10.87863	8.28833	0.024752	0.017401	0.003302	0.002528
577826.6	4137276	4.81135	10.35696	7.99833	0.022614	0.015898	0.003018	0.00231
577821.4	4137284	4.4121	9.85046	7.73641	0.020738	0.014579	0.002768	0.002119
577816.2	4137292	4.09132	9.41352	7.53267	0.019231	0.01352	0.002568	0.001965
577811	4137300	3.82727	9.01528	7.35516	0.01799	0.012647	0.002402	0.001839
577805.9	4137308	3.60879	8.63908	7.18514	0.016964	0.011926	0.002266	0.001734
577800.7	4137316	3.4346	8.28666	7.02109	0.016145	0.01135	0.002157	0.001651
577870.1	4137181	10.03699	13.37118	11.39349	0.04716	0.033156	0.006281	0.004811
577877.8	4137176	10.93933	14.01998	12.24394	0.051399	0.036137	0.006845	0.005243
577885.5	4137171	11.86762	14.6386	13.1518	0.05576	0.039203	0.007425	0.005688
577893.3	4137166	12.81221	15.22043	14.11003	0.060197	0.042323	0.008015	0.00614
577901	4137160	13.75666	15.75622	15.10255	0.064634	0.045442	0.008605	0.006592
577908.7	4137155	14.68767	16.23671	16.1154	0.069008	0.048517	0.009187	0.007038
577916.5	4137150	15.56105	16.63422	17.10659	0.07311	0.051402	0.009733	0.007456
577924.2	4137145	16.35912	16.95481	18.05355	0.07686	0.054038	0.010231	0.007838
577931.9	4137139	17.10771	17.21651	18.96433	0.080376	0.05651	0.010699	0.008197
577939.7	4137134	17.79873	17.41805	19.83315	0.083622	0.058793	0.011131	0.008528
577947.4	4137129	18.39427	17.53559	20.61298	0.08642	0.06076	0.011503	0.008813
577955.1	4137123	18.88361	17.56805	21.28308	0.088719	0.062376	0.011809	0.009047
577962.9	4137118	19.27136	17.52632	21.84133	0.09054	0.063656	0.012051	0.009233
577970.6	4137113	19.55561	17.41831	22.27697	0.091876	0.064595	0.012228	0.009369

577978.3	4137108	19.73467	17.24973	22.57881	0.092717	0.065187	0.01234	0.009455
577995.3	4137104	20.78532	17.52355	24.0378	0.097652	0.068657	0.012997	0.009958
577862.3	4137187	9.16931	12.70466	10.59983	0.043084	0.03029	0.005738	0.004396
577857.1	4137195	8.6012	12.40112	10.13871	0.040415	0.028414	0.005384	0.004124
577852	4137203	8.0219	12.06568	9.68238	0.037694	0.026501	0.005022	0.003846
577846.8	4137210	7.43697	11.69497	9.23183	0.034946	0.024569	0.004656	0.003566
577841.6	4137218	6.86368	11.29663	8.80119	0.032253	0.022675	0.004298	0.003292
577836.4	4137226	6.31108	10.87991	8.39817	0.029657	0.02085	0.003953	0.003027
577831.2	4137234	5.79298	10.46179	8.03446	0.027223	0.019139	0.003629	0.002779
577826	4137242	5.30043	10.02773	7.69386	0.02491	0.017512	0.003322	0.002544
577820.9	4137250	4.84111	9.58407	7.37954	0.022752	0.015995	0.003035	0.002324
577815.7	4137258	4.42647	9.14789	7.10015	0.020804	0.014626	0.002776	0.002125
577810.5	4137266	4.07401	8.75355	6.8745	0.019148	0.013462	0.002555	0.001956
577805.3	4137274	3.75951	8.36446	6.66691	0.017671	0.012423	0.002359	0.001806
577800.1	4137282	3.4828	7.98504	6.47246	0.016371	0.011509	0.002186	0.001673
577795	4137289	3.25139	7.63778	6.30051	0.015283	0.010744	0.002041	0.001562
577789.8	4137297	3.07532	7.3534	6.1694	0.014456	0.010163	0.001931	0.001478
577784.6	4137305	2.92835	7.08303	6.03658	0.013766	0.009677	0.001839	0.001407
577853.8	4137171	8.27365	11.2731	9.5798	0.038875	0.027332	0.005178	0.003966
577861.3	4137166	8.9815	11.8083	10.22873	0.0422	0.02967	0.00562	0.004305
577868.9	4137161	9.71565	12.33216	10.91973	0.045649	0.032094	0.006079	0.004657
577876.4	4137156	10.46933	12.84126	11.65015	0.04919	0.034584	0.00655	0.005018
577884	4137150	11.22922	13.32626	12.4114	0.05276	0.037094	0.007025	0.005381
577891.5	4137145	11.98781	13.76285	13.19049	0.056323	0.039599	0.007499	0.005745
577899.1	4137140	12.72818	14.16065	13.9778	0.059801	0.042044	0.007961	0.006099
577906.6	4137135	13.44213	14.5164	14.76201	0.063155	0.044403	0.008408	0.006441
577914.2	4137130	14.12976	14.83241	15.5362	0.066386	0.046674	0.008837	0.00677
577921.7	4137125	14.76693	15.09147	16.27567	0.069379	0.048778	0.009235	0.007075
577929.3	4137120	15.35881	15.30231	16.97941	0.072159	0.050733	0.009605	0.007359
577936.8	4137114	15.89774	15.46184	17.63774	0.074691	0.052513	0.009942	0.007617
577944.4	4137109	16.36935	15.56237	18.23297	0.076906	0.054071	0.010237	0.007843
577951.9	4137104	16.73798	15.58441	18.72131	0.078638	0.055288	0.010467	0.008019
577959.5	4137099	17.03423	15.55343	19.1309	0.08003	0.056267	0.010652	0.008161
577967	4137094	17.25782	15.47383	19.45603	0.08108	0.057005	0.010791	0.008268
577974.6	4137089	17.40621	15.34891	19.68879	0.081777	0.057495	0.010884	0.008339
577846.2	4137176	7.5915	10.72513	8.96706	0.03567	0.025078	0.004751	0.00364
577841.1	4137184	7.12858	10.45645	8.60395	0.033496	0.02355	0.004462	0.003418
577835.9	4137192	6.66475	10.16598	8.24855	0.031317	0.022018	0.004173	0.003196
577830.7	4137200	6.20719	9.86172	7.90653	0.029168	0.020506	0.003887	0.002977
577825.5	4137208	5.76189	9.5489	7.58156	0.027076	0.019036	0.003609	0.002764
577820.3	4137216	5.32947	9.22463	7.2713	0.025045	0.017607	0.003339	0.002557
577815.1	4137224	4.91701	8.89548	6.98064	0.023107	0.016245	0.003081	0.002359
577810	4137232	4.5318	8.57023	6.71257	0.021298	0.014973	0.00284	0.002175
577804.8	4137239	4.16984	8.24211	6.46476	0.019597	0.013777	0.002614	0.002001
577799.6	4137247	3.8348	7.90283	6.23376	0.018023	0.012671	0.002405	0.001841
577794.4	4137255	3.53035	7.55748	6.02156	0.016593	0.011665	0.002214	0.001695
577789.2	4137263	3.26533	7.23144	5.83737	0.015348	0.01079	0.002049	0.001568
577784.1	4137271	3.03667	6.92535	5.67495	0.014274	0.010034	0.001906	0.001459
577778.9	4137279	2.84039	6.63773	5.52688	0.013351	0.009386	0.001783	0.001365
577773.7	4137287	2.67606	6.37388	5.39175	0.012579	0.008843	0.00168	0.001286
577768.5	4137295	2.5446	6.142	5.27226	0.011962	0.008409	0.001598	0.001223
577837.9	4137160	6.92618	9.62072	8.16598	0.032544	0.02288	0.004335	0.00332
577845.7	4137155	7.52221	10.09253	8.70366	0.035344	0.024849	0.004707	0.003606
577853.5	4137150	8.14401	10.55994	9.27826	0.038265	0.026903	0.005096	0.003904
577861.3	4137144	8.78143	11.01073	9.88165	0.04126	0.029008	0.005494	0.004209
577869.1	4137139	9.43546	11.4491	10.5183	0.044332	0.031168	0.005903	0.004522
577876.9	4137134	10.09627	11.86616	11.17746	0.047436	0.033351	0.006316	0.004838
577884.7	4137128	10.75068	12.25211	11.84689	0.050511	0.035512	0.006725	0.005152
577892.5	4137123	11.37851	12.59254	12.50815	0.05346	0.037586	0.007117	0.005452
577900.3	4137118	11.99383	12.90678	13.17042	0.056351	0.039618	0.007502	0.005747

577908	4137113	12.59028	13.19156	13.82441	0.059153	0.041588	0.007874	0.006033
577915.8	4137107	13.15104	13.43495	14.45252	0.061787	0.043441	0.008225	0.006301
577923.6	4137102	13.66018	13.6274	15.03856	0.064179	0.045122	0.008543	0.006545
577931.4	4137097	14.12338	13.77588	15.58404	0.066355	0.046652	0.008832	0.006767
577939.2	4137091	14.53432	13.87745	16.08079	0.068285	0.048009	0.009089	0.006963
577947	4137086	14.86985	13.91948	16.50357	0.069861	0.049118	0.009299	0.007124
577954.8	4137081	15.13048	13.9066	16.84605	0.071085	0.049978	0.009461	0.007249
577996.7	4137068	16.8819	14.34324	19.14507	0.079313	0.055763	0.010556	0.008087
578006	4137070	17.52291	14.67556	19.9604	0.082325	0.05788	0.010956	0.008395
578015.2	4137072	18.13392	14.98765	20.73576	0.085195	0.059899	0.011338	0.008687
578024.5	4137073	18.70598	15.26737	21.46081	0.087883	0.061788	0.011696	0.008961
577830.2	4137166	6.36065	9.15171	7.66655	0.029887	0.021013	0.003981	0.00305
577825	4137174	5.98254	8.91965	7.37866	0.028111	0.019764	0.003745	0.002869
577819.8	4137181	5.60375	8.66973	7.09344	0.026332	0.018513	0.003509	0.002687
577814.6	4137189	5.229	8.40604	6.81328	0.024571	0.017275	0.003275	0.002508
577809.4	4137197	4.86389	8.13454	6.54284	0.022856	0.016069	0.003046	0.002333
577804.2	4137205	4.51734	7.86841	6.29314	0.021228	0.014924	0.00283	0.002167
577799.1	4137213	4.18999	7.60478	6.06231	0.019691	0.013843	0.002625	0.00201
577793.9	4137221	3.88384	7.34434	5.85161	0.018252	0.012832	0.002434	0.001864
577788.7	4137229	3.60589	7.10236	5.67378	0.016947	0.011914	0.002261	0.001731
577783.5	4137237	3.34772	6.86663	5.50591	0.015734	0.011061	0.002099	0.001607
577778.3	4137245	3.09863	6.60491	5.33102	0.014564	0.010239	0.001944	0.001488
577773.2	4137253	2.8734	6.33134	5.16819	0.013506	0.009495	0.001803	0.00138
577768	4137260	2.67746	6.07279	5.02439	0.012585	0.008848	0.00168	0.001286
577762.8	4137268	2.51295	5.83913	4.90184	0.011812	0.008304	0.001577	0.001207
577757.6	4137276	2.37689	5.63056	4.7963	0.011173	0.007855	0.001492	0.001142
577752.4	4137284	2.26	5.43221	4.69182	0.010624	0.007469	0.001419	0.001086
577821.7	4137150	5.83537	8.25895	7.01382	0.027419	0.019277	0.003652	0.002798
577829.3	4137145	6.3111	8.64924	7.43402	0.029654	0.020848	0.00395	0.003025
577836.9	4137140	6.80981	9.04133	7.8839	0.031997	0.022496	0.004261	0.003264
577844.6	4137134	7.32848	9.43075	8.36294	0.034433	0.024209	0.004586	0.003513
577852.2	4137129	7.86087	9.81069	8.86672	0.036934	0.025967	0.004918	0.003768
577859.8	4137124	8.39618	10.17022	9.38489	0.039449	0.027735	0.005253	0.004024
577867.5	4137119	8.93718	10.5157	9.92149	0.041991	0.029522	0.005591	0.004283
577875.1	4137114	9.47769	10.84357	10.46962	0.04453	0.031307	0.005929	0.004542
577882.7	4137108	10.01373	11.15238	11.02389	0.047048	0.033078	0.006264	0.004799
577890.3	4137103	10.52734	11.42779	11.56432	0.049461	0.034774	0.006584	0.005044
577898	4137098	11.02835	11.68263	12.09984	0.051814	0.036429	0.006898	0.005284
577905.6	4137093	11.50947	11.91217	12.6211	0.054075	0.038018	0.007198	0.005515
577913.2	4137088	11.9668	12.11377	13.12154	0.056223	0.039529	0.007484	0.005734
577920.8	4137082	12.37144	12.26655	13.57629	0.058124	0.040865	0.007737	0.005927
577928.5	4137077	12.73987	12.38513	13.99788	0.059854	0.042082	0.007967	0.006104
577936.1	4137072	13.06246	12.46467	14.3769	0.06137	0.043148	0.008168	0.006258
577943.7	4137067	13.34137	12.50751	14.71289	0.06268	0.044069	0.008343	0.006392
577951.3	4137061	13.54692	12.49772	14.9758	0.063646	0.044748	0.008471	0.00649
577959	4137056	13.70742	12.45578	15.18665	0.064399	0.045278	0.008571	0.006567
577966.6	4137051	13.82111	12.38329	15.34365	0.064933	0.045653	0.008642	0.006621
577983.3	4137048	14.46182	12.60382	16.15587	0.067943	0.047769	0.009043	0.006928
577992.3	4137049	15.01978	12.90793	16.85108	0.070565	0.049612	0.009391	0.007195
578001.4	4137051	15.5554	13.19426	17.51849	0.073081	0.051381	0.009726	0.007452
578010.5	4137053	16.06651	13.46372	18.15353	0.075482	0.05307	0.010046	0.007697
578019.6	4137054	16.55	13.71658	18.75211	0.077754	0.054667	0.010348	0.007928
578028.6	4137056	17.00212	13.92147	19.31121	0.079877	0.05616	0.01063	0.008145
577814.1	4137155	5.38699	7.87718	6.6249	0.025313	0.017796	0.003372	0.002583
577808.9	4137163	5.07607	7.67817	6.39408	0.023852	0.016769	0.003178	0.002434
577803.7	4137171	4.76446	7.46436	6.16285	0.022388	0.01574	0.002983	0.002285
577798.5	4137179	4.45707	7.24106	5.93464	0.020944	0.014725	0.002791	0.002138
577793.3	4137187	4.15781	7.01266	5.7127	0.019539	0.013736	0.002604	0.001995
577788.2	4137195	3.88253	6.80497	5.51746	0.018245	0.012827	0.002432	0.001863
577783	4137203	3.62471	6.60657	5.34061	0.017034	0.011976	0.002271	0.001739

577777.8	4137210	3.38153	6.40963	5.17788	0.015892	0.011173	0.002119	0.001623
577772.6	4137218	3.15315	6.21216	5.02881	0.014819	0.010418	0.001977	0.001514
577767.4	4137226	2.94051	6.01583	4.89	0.01382	0.009716	0.001844	0.001412
577762.3	4137234	2.73979	5.81323	4.74982	0.012877	0.009053	0.001719	0.001316
577757.1	4137242	2.55915	5.60595	4.62382	0.012029	0.008456	0.001606	0.001229
577751.9	4137250	2.39951	5.40568	4.51141	0.011279	0.007929	0.001506	0.001153
577746.7	4137258	2.25996	5.21479	4.40988	0.010623	0.007468	0.001419	0.001086
577741.5	4137266	2.13938	5.03521	4.31628	0.010056	0.00707	0.001343	0.001028
577736.4	4137274	2.03504	4.86474	4.22498	0.009566	0.006725	0.001278	0.000978
577805.5	4137139	4.98188	7.17117	6.10588	0.023409	0.016458	0.003119	0.002389
577813	4137134	5.36081	7.4878	6.43291	0.025189	0.017709	0.003355	0.00257
577820.5	4137129	5.75591	7.80436	6.77897	0.027045	0.019014	0.003602	0.002759
577828	4137124	6.17458	8.1301	7.15531	0.029012	0.020397	0.003864	0.00296
577835.4	4137119	6.61066	8.45679	7.55715	0.031061	0.021838	0.004136	0.003169
577842.9	4137114	7.05663	8.77579	7.9776	0.033156	0.023311	0.004415	0.003382
577850.4	4137109	7.5083	9.08394	8.41314	0.035277	0.024802	0.004697	0.003598
577865.4	4137099	8.41608	9.66165	9.31605	0.039542	0.027801	0.005265	0.004033
577872.9	4137093	8.8661	9.92969	9.77578	0.041656	0.029287	0.005546	0.004249
577880.4	4137088	9.30768	10.18067	10.23308	0.04373	0.030746	0.005822	0.00446
577887.9	4137083	9.7322	10.40806	10.67783	0.045725	0.032148	0.006087	0.004663
577895.4	4137078	10.14078	10.61501	11.11017	0.047644	0.033497	0.006342	0.004859
577902.8	4137073	10.52715	10.79768	11.52344	0.049459	0.034773	0.006584	0.005044
577910.3	4137068	10.89334	10.9587	11.91895	0.051179	0.035983	0.006812	0.005219
577917.8	4137063	11.22195	11.08487	12.27943	0.052723	0.037068	0.007018	0.005377
577925.3	4137058	11.51701	11.18073	12.60847	0.054109	0.038043	0.007202	0.005518
577932.8	4137053	11.78353	11.2512	12.91066	0.055361	0.038923	0.007369	0.005645
577940.3	4137048	12.01821	11.29405	13.18124	0.056464	0.039698	0.007515	0.005758
577955.3	4137037	12.33161	11.26538	13.56719	0.057936	0.040733	0.007711	0.005908
577962.8	4137032	12.42689	11.20918	13.69227	0.058383	0.041048	0.00777	0.005953
577979.2	4137029	12.97383	11.41061	14.3679	0.060953	0.042854	0.008112	0.006215
577988.1	4137030	13.44721	11.67558	14.94639	0.063176	0.044418	0.008408	0.006442
577997	4137032	13.90338	11.92624	15.50449	0.06532	0.045925	0.008693	0.00666
578005.9	4137034	14.33828	12.16206	16.0352	0.067363	0.047361	0.008965	0.006869
578014.8	4137035	14.75305	12.38542	16.53893	0.069311	0.048731	0.009224	0.007067
578023.7	4137037	15.14334	12.59435	17.01102	0.071145	0.05002	0.009468	0.007254
578032.6	4137039	15.50881	12.71938	17.45284	0.072862	0.051227	0.009697	0.007429
577798	4137145	4.61873	6.85416	5.79449	0.021703	0.015258	0.002892	0.002215
577792.8	4137152	4.35745	6.67882	5.6029	0.020476	0.014395	0.002728	0.00209
577787.6	4137160	4.11315	6.51879	5.43148	0.019328	0.013589	0.002576	0.001973
577782.4	4137168	3.87117	6.35196	5.2609	0.018191	0.012789	0.002425	0.001857
577777.3	4137176	3.63393	6.17973	5.09217	0.017077	0.012006	0.002276	0.001743
577772.1	4137184	3.40411	6.00461	4.92794	0.015997	0.011247	0.002133	0.001633
577766.9	4137192	3.1838	5.82758	4.77013	0.014962	0.010519	0.001995	0.001528
577761.7	4137200	2.97638	5.6528	4.62341	0.013988	0.009834	0.001866	0.001428
577756.5	4137208	2.78184	5.478	4.48682	0.013074	0.009191	0.001744	0.001335
577751.4	4137216	2.60131	5.3037	4.361	0.012226	0.008595	0.001631	0.001249
577746.2	4137224	2.43563	5.13071	4.246	0.011448	0.008048	0.001528	0.00117
577741	4137231	2.28568	4.96201	4.14288	0.010743	0.007553	0.001434	0.001098
577735.8	4137239	2.1521	4.80072	4.05162	0.010116	0.007111	0.001351	0.001034
577730.6	4137247	2.0339	4.64594	3.96859	0.00956	0.006721	0.001277	0.000977
577725.5	4137255	1.93061	4.49882	3.89176	0.009075	0.00638	0.001212	0.000928
577720.3	4137263	1.84194	4.36155	3.81998	0.008658	0.006087	0.001157	0.000885
577789.6	4137129	4.32292	6.31062	5.39546	0.020313	0.014281	0.002706	0.002073
577797.3	4137124	4.63631	6.28849	5.65873	0.021785	0.015316	0.002902	0.002223
577805	4137118	4.97613	6.51548	5.95166	0.023381	0.016438	0.003114	0.002385
577812.6	4137113	5.32861	6.71051	6.26041	0.025037	0.017602	0.003334	0.002554
577820.3	4137108	5.69231	6.9338	6.58549	0.026745	0.018804	0.003561	0.002728
577828	4137103	6.07794	7.49546	6.94104	0.028557	0.020078	0.003803	0.002913
577835.7	4137097	6.4761	7.97266	7.31738	0.030428	0.021393	0.004052	0.003104
577843.4	4137092	6.87793	8.24662	7.70526	0.032316	0.02272	0.004303	0.003296

577851.1	4137087	7.27963	8.50861	8.10087	0.034203	0.024047	0.004554	0.003489
577858.7	4137082	7.67946	8.7582	8.50118	0.036081	0.025367	0.004804	0.00368
577866.4	4137076	8.07307	8.99378	8.90107	0.03793	0.026667	0.00505	0.003869
577874.1	4137071	8.45496	9.21141	9.29331	0.039724	0.027929	0.005288	0.004051
577881.8	4137066	8.82433	9.41231	9.67603	0.041459	0.029149	0.005519	0.004228
577889.5	4137061	9.17663	9.59367	10.04392	0.043114	0.030312	0.005739	0.004397
577897.2	4137055	9.51273	9.75764	10.39709	0.044693	0.031423	0.005949	0.004558
577904.8	4137050	9.83288	9.90514	10.73596	0.046197	0.03248	0.006149	0.004711
577912.5	4137045	10.13147	10.03078	11.05449	0.0476	0.033466	0.006336	0.004854
577920.2	4137040	10.38915	10.12012	11.33337	0.04881	0.034317	0.006497	0.004978
577927.9	4137034	10.62566	10.19021	11.59293	0.049921	0.035098	0.006645	0.005091
577935.6	4137029	10.84033	10.24013	11.832	0.05093	0.035807	0.006779	0.005193
577943.3	4137024	11.02906	10.26707	12.04395	0.051816	0.036431	0.006896	0.005284
577950.9	4137019	11.14808	10.24507	12.18875	0.052375	0.036824	0.006971	0.005341
577958.6	4137013	11.23525	10.20092	12.29735	0.052785	0.037112	0.007025	0.005382
577975.4	4137010	11.7244	10.39114	12.88786	0.055083	0.038727	0.007331	0.005617
577984.6	4137012	12.14503	10.63187	13.39312	0.057059	0.040117	0.007594	0.005818
577993.7	4137013	12.55094	10.8598	13.88133	0.058966	0.041457	0.007848	0.006013
578002.9	4137015	12.94048	11.07604	14.34873	0.060796	0.042744	0.008091	0.006199
578012	4137017	13.31095	11.28028	14.79096	0.062536	0.043968	0.008323	0.006377
578021.2	4137019	13.66121	11.47271	15.20681	0.064182	0.045125	0.008541	0.006544
578030.3	4137020	13.98908	11.61518	15.59497	0.065722	0.046207	0.008746	0.006701
578039.4	4137022	14.30718	11.7282	15.89208	0.067216	0.047258	0.008945	0.006854
577781.9	4137134	4.03373	6.06628	5.15785	0.018954	0.013326	0.002526	0.001934
577776.7	4137142	3.82411	5.93191	5.01269	0.01797	0.012634	0.002395	0.001834
577771.5	4137150	3.61422	5.78932	4.86551	0.016984	0.01194	0.002263	0.001734
577766.4	4137158	3.40815	5.64352	4.71983	0.016016	0.01126	0.002135	0.001635
577761.2	4137166	3.20529	5.49163	4.57322	0.015063	0.01059	0.002008	0.001538
577756	4137174	3.00568	5.33059	4.42355	0.014125	0.00993	0.001883	0.001442
577750.8	4137181	2.816	5.17138	4.28109	0.013234	0.009304	0.001765	0.001351
577745.6	4137189	2.6376	5.01516	4.14791	0.012396	0.008715	0.001653	0.001266
577740.5	4137197	2.47137	4.86233	4.02535	0.011615	0.008166	0.001549	0.001186
577735.3	4137205	2.31856	4.71494	3.91554	0.010897	0.007661	0.001454	0.001113
577730.1	4137213	2.17686	4.5669	3.8136	0.010231	0.007193	0.001365	0.001045
577724.9	4137221	2.04825	4.42264	3.72203	0.009627	0.006768	0.001285	0.000984
577719.7	4137229	1.93328	4.28499	3.64136	0.009087	0.006388	0.001213	0.000929
577714.6	4137237	1.83123	4.15361	3.56911	0.008608	0.006051	0.001149	0.00088
577709.4	4137245	1.74129	4.02809	3.50248	0.008185	0.005754	0.001093	0.000837
577704.2	4137253	1.66304	3.90916	3.43964	0.007817	0.005496	0.001044	0.000799
577773.4	4137118	3.80899	5.63776	4.84156	0.017898	0.012583	0.002385	0.001826
577780.9	4137113	4.06207	5.84792	5.04838	0.019087	0.013419	0.002543	0.001948
577788.5	4137108	4.31927	5.47112	4.96033	0.020294	0.014268	0.002703	0.00207
577796.1	4137103	4.36824	5.56783	4.70578	0.020524	0.01443	0.002733	0.002094
577803.6	4137098	4.6775	5.84221	5.03113	0.021977	0.015451	0.002926	0.002242
577811.2	4137093	4.98659	6.09874	5.32144	0.023429	0.016472	0.003119	0.00239
577818.7	4137087	5.29285	6.33646	5.57609	0.024868	0.017484	0.003311	0.002536
577826.3	4137082	5.62049	6.59187	5.90983	0.026407	0.018566	0.003516	0.002693
577833.9	4137077	6.20841	6.87806	6.50198	0.029169	0.020508	0.003883	0.002975
577841.4	4137072	6.55065	7.36932	7.30444	0.030777	0.021639	0.004098	0.003139
577849	4137067	6.88714	7.78598	7.63793	0.032358	0.02275	0.004308	0.0033
577856.5	4137062	7.2187	8.08345	7.97083	0.033916	0.023845	0.004515	0.003459
577864.1	4137056	7.54423	8.27412	8.3012	0.035445	0.02492	0.004719	0.003615
577871.6	4137051	7.85963	8.45158	8.62385	0.036927	0.025962	0.004916	0.003766
577879.2	4137046	8.16474	8.61654	8.93757	0.03836	0.02697	0.005106	0.003912
577886.8	4137041	8.45648	8.76727	9.23891	0.039731	0.027934	0.005289	0.004052
577894.3	4137036	8.73443	8.90403	9.52696	0.041036	0.028852	0.005462	0.004185
577901.9	4137031	8.99516	9.02404	9.79824	0.042261	0.029713	0.005625	0.00431
577909.4	4137026	9.23765	9.12693	10.05213	0.0434	0.030514	0.005777	0.004426
577917	4137020	9.4592	9.21056	10.28593	0.044441	0.031245	0.005915	0.004532
577924.6	4137015	9.66416	9.27869	10.50477	0.045404	0.031922	0.006043	0.00463

577932.1	4137010	9.85454	9.33211	10.71023	0.046298	0.032551	0.006162	0.004721
577939.7	4137005	10.02675	9.36748	10.89744	0.047107	0.03312	0.00627	0.004804
577947.2	4137000	10.14724	9.36395	11.03245	0.047673	0.033518	0.006345	0.004861
577954.8	4136995	10.2177	9.32665	11.11883	0.048004	0.03375	0.006389	0.004895
577971.3	4136991	10.63109	9.49346	11.60854	0.049946	0.035116	0.006647	0.005093
577980.3	4136993	10.99223	9.70449	12.03532	0.051643	0.036309	0.006873	0.005266
577989.3	4136994	11.34174	9.90493	12.44941	0.053285	0.037463	0.007091	0.005433
577998.3	4136996	11.67739	10.09507	12.84638	0.054861	0.038572	0.007301	0.005594
578007.3	4136998	12.00038	10.27694	13.22647	0.056379	0.039639	0.007503	0.005749
578016.3	4137000	12.31049	10.45122	13.58901	0.057836	0.040663	0.007697	0.005897
578025.3	4137001	12.60365	10.61123	13.93011	0.059213	0.041631	0.00788	0.006038
578034.3	4137003	12.88022	10.71483	14.25108	0.060512	0.042545	0.008053	0.00617
578043.3	4137005	12.93105	10.83318	14.45027	0.060751	0.042713	0.008085	0.006195
578052.3	4137006	13.14556	10.96331	14.70339	0.061759	0.043421	0.008219	0.006297
577765.8	4137123	3.56357	5.42512	4.64019	0.016745	0.011773	0.002231	0.001709
577760.6	4137131	3.37736	5.29703	4.50864	0.01587	0.011158	0.002115	0.00162
577755.5	4137139	3.18971	5.15793	4.37103	0.014989	0.010538	0.001998	0.00153
577750.3	4137147	3.00811	5.01968	4.23678	0.014136	0.009938	0.001884	0.001443
577745.1	4137155	2.83305	4.88281	4.10621	0.013314	0.00936	0.001775	0.001359
577739.9	4137163	2.6659	4.74836	3.98068	0.012528	0.008808	0.001671	0.001279
577734.7	4137171	2.50651	4.61526	3.86027	0.01178	0.008281	0.001571	0.001203
577729.6	4137179	2.35404	4.48015	3.74348	0.011063	0.007778	0.001476	0.00113
577724.4	4137187	2.21027	4.34519	3.63315	0.010388	0.007303	0.001386	0.001061
577719.2	4137195	2.0767	4.21281	3.53184	0.00976	0.006862	0.001302	0.000997
577714	4137202	1.95517	4.0864	3.44217	0.009189	0.00646	0.001226	0.000939
577708.8	4137210	1.84539	3.96594	3.36351	0.008674	0.006098	0.001158	0.000886
577703.7	4137218	1.74677	3.85068	3.29412	0.00821	0.005772	0.001096	0.000839
577698.5	4137226	1.65727	3.73658	3.22926	0.00779	0.005476	0.00104	0.000796
577693.3	4137234	1.57736	3.62584	3.1686	0.007415	0.005212	0.00099	0.000758
577688.1	4137242	1.50803	3.52281	3.11346	0.007089	0.004983	0.000947	0.000725
577757.5	4137108	3.37907	5.06052	4.3677	0.015878	0.011163	0.002116	0.00162
577765.2	4137102	3.61558	5.26897	4.56582	0.016989	0.011944	0.002263	0.001734
577772.9	4137097	3.85073	5.46227	4.75827	0.018094	0.012721	0.00241	0.001846
577780.7	4137092	4.0931	5.65415	4.95876	0.019232	0.013522	0.002562	0.001962
577788.4	4137087	4.34167	5.24094	4.71715	0.020399	0.014342	0.002716	0.002081
577796.1	4137081	4.39428	5.41953	4.64844	0.020646	0.014516	0.002749	0.002106
577803.8	4137076	4.66762	5.63877	4.86827	0.02193	0.015418	0.00292	0.002237
577811.6	4137071	4.93947	5.84501	5.05734	0.023207	0.016316	0.00309	0.002367
577819.3	4137065	5.20284	6.03182	5.3134	0.024444	0.017186	0.003254	0.002493
577827	4137060	5.49163	6.2456	5.62184	0.025801	0.01814	0.003435	0.002631
577834.8	4137055	5.80146	6.47884	6.00286	0.027257	0.019163	0.003628	0.00278
577842.5	4137050	6.10093	6.69331	6.40059	0.028664	0.020153	0.003816	0.002923
577850.2	4137044	6.39049	6.89176	6.78234	0.030024	0.021109	0.003997	0.003062
577857.9	4137039	6.9133	7.09136	7.21544	0.03248	0.022836	0.004323	0.003312
577865.7	4137034	7.19236	7.44342	7.88606	0.033792	0.023758	0.004498	0.003446
577873.4	4137029	7.45918	7.76404	8.15735	0.035045	0.024639	0.004665	0.003574
577881.1	4137023	7.71377	7.99165	8.41682	0.036241	0.02548	0.004824	0.003696
577888.9	4137018	7.9567	8.11337	8.66469	0.037382	0.026283	0.004976	0.003812
577896.6	4137013	8.18518	8.22155	8.89835	0.038456	0.027037	0.005119	0.003922
577904.3	4137008	8.40225	8.31881	9.12113	0.039475	0.027754	0.005254	0.004026
577912	4137002	8.60516	8.4027	9.33053	0.040429	0.028424	0.005381	0.004123
577919.8	4136997	8.7972	8.47603	9.53045	0.041331	0.029059	0.005501	0.004215
577927.5	4136992	8.97365	8.53443	9.71589	0.04216	0.029641	0.005611	0.004299
577935.2	4136986	9.13411	8.57614	9.88599	0.042913	0.030171	0.005712	0.004376
577942.9	4136981	9.27011	8.59503	10.02781	0.043552	0.03062	0.005796	0.004441
577950.7	4136976	9.32658	8.56021	10.0974	0.043817	0.030807	0.005832	0.004468
577967.6	4136972	9.69372	8.713	10.52416	0.045542	0.03202	0.006061	0.004644
577976.8	4136974	10.01937	8.90686	10.90325	0.047072	0.033095	0.006265	0.0048
577986	4136976	10.33484	9.09125	11.27162	0.048554	0.034137	0.006462	0.004951
577995.2	4136977	10.63842	9.26634	11.62564	0.04998	0.03514	0.006652	0.005096



578004.4	4136979	10.92976	9.43325	11.96373	0.051349	0.036102	0.006834	0.005236
578013.6	4136981	11.21165	9.59476	12.28872	0.052673	0.037033	0.00701	0.005371
578022.8	4136983	11.47938	9.74628	12.59543	0.053931	0.037918	0.007177	0.005499
578032	4136984	11.73285	9.85281	12.88463	0.055122	0.038755	0.007336	0.00562
578041.2	4136986	11.97586	9.95859	13.08171	0.056263	0.039557	0.007487	0.005737
578050.4	4136988	11.99532	10.08278	13.30158	0.056355	0.039622	0.0075	0.005746
578059.5	4136990	12.17602	10.19526	13.51295	0.057204	0.040219	0.007613	0.005833
578169.9	4137010	12.89896	10.31553	14.11333	0.0606	0.042606	0.008064	0.006179
578179.1	4137012	12.74037	10.13655	13.89324	0.059854	0.042082	0.007965	0.006103
578188.3	4137014	12.55989	9.95534	13.64577	0.059006	0.041486	0.007852	0.006016
578197.5	4137015	12.35548	9.79385	13.37035	0.058046	0.040811	0.007724	0.005918
577749.8	4137113	3.15021	4.84892	4.17268	0.014803	0.010407	0.001973	0.001511
577744.6	4137121	2.98579	4.72834	4.05339	0.014031	0.009864	0.00187	0.001432
577739.4	4137129	2.82548	4.60724	3.93564	0.013278	0.009335	0.00177	0.001355
577734.2	4137137	2.66967	4.48579	3.8191	0.012546	0.00882	0.001672	0.001281
577729	4137145	2.5178	4.36271	3.70283	0.011832	0.008318	0.001578	0.001208
577723.8	4137152	2.37215	4.241	3.58979	0.011148	0.007837	0.001487	0.001138
577718.7	4137160	2.235	4.12406	3.48351	0.010504	0.007384	0.001401	0.001073
577713.5	4137168	2.10606	4.01069	3.384	0.009898	0.006959	0.00132	0.001011
577708.3	4137176	1.98308	3.79763	3.28826	0.00932	0.006552	0.001243	0.000952
577703.1	4137184	1.8687	3.30911	3.20014	0.008782	0.006174	0.001171	0.000897
577697.9	4137192	1.76217	2.87085	2.65193	0.008281	0.005822	0.001104	0.000845
577692.8	4137200	1.58057	2.73837	2.42498	0.007428	0.005222	0.00099	0.000758
577687.6	4137208	1.50062	2.63382	2.33504	0.007052	0.004958	0.00094	0.00072
577682.4	4137216	1.42831	2.53324	2.25215	0.006712	0.004719	0.000895	0.000685
577677.2	4137224	1.3636	2.43759	2.20303	0.006408	0.004505	0.000855	0.000654
577672	4137231	1.30511	2.34171	2.09719	0.006134	0.004312	0.000818	0.000626
577741.3	4137097	2.98694	4.52524	3.92609	0.014036	0.009868	0.00187	0.001432
577748.9	4137092	3.18956	4.70954	4.09728	0.014988	0.010537	0.001997	0.001529
577756.5	4137087	3.40504	4.90104	4.28	0.016	0.011249	0.002132	0.001633
577764.1	4137082	3.62956	5.09369	4.4707	0.017055	0.01199	0.002272	0.00174
577771.7	4137076	3.84653	5.2651	4.65094	0.018074	0.012707	0.002407	0.001844
577779.3	4137071	4.06977	5.43529	4.83947	0.019123	0.013444	0.002547	0.001951
577787	4137066	4.29886	5.18658	5.03678	0.020198	0.014201	0.00269	0.00206
577794.6	4137061	4.35418	5.23625	4.65701	0.020458	0.014383	0.002724	0.002087
577802.2	4137056	4.58673	5.40776	4.81331	0.02155	0.015151	0.002869	0.002198
577809.8	4137050	4.81038	5.56172	4.93111	0.022601	0.01589	0.003009	0.002305
577817.4	4137045	5.02221	5.69793	5.13578	0.023596	0.016589	0.003141	0.002406
577825	4137040	5.23982	5.84032	5.36188	0.024618	0.017308	0.003277	0.002511
577832.6	4137035	5.49652	6.02756	5.65213	0.025824	0.018156	0.003437	0.002634
577840.3	4137030	5.74676	6.2037	5.93831	0.027	0.018983	0.003594	0.002753
577847.9	4137024	5.98519	6.36412	6.21236	0.02812	0.01977	0.003743	0.002868
577855.5	4137019	6.21956	6.51891	6.48369	0.029221	0.020544	0.003889	0.00298
577863.1	4137014	6.45268	6.6723	6.77806	0.030316	0.021314	0.004035	0.003092
577870.7	4137009	6.67007	6.80994	7.04868	0.031337	0.022032	0.004171	0.003196
577878.3	4137004	6.87647	6.93814	7.32326	0.032307	0.022714	0.0043	0.003295
577885.9	4136999	7.08383	7.06969	7.59115	0.033281	0.023399	0.00443	0.003394
577893.5	4136993	7.53177	7.29504	8.16813	0.035386	0.024879	0.00471	0.003608
577901.2	4136988	7.71871	7.60268	8.35699	0.036264	0.025496	0.004827	0.003698
577908.8	4136983	7.89583	7.70904	8.53678	0.037096	0.026081	0.004938	0.003783
577916.4	4136978	8.06115	7.77554	8.70572	0.037873	0.026627	0.005041	0.003862
577924	4136973	8.21538	7.83109	8.86455	0.038597	0.027137	0.005137	0.003936
577931.6	4136967	8.35242	7.87061	9.00683	0.039241	0.027589	0.005223	0.004001
577939.2	4136962	8.47146	7.89321	9.13136	0.0398	0.027982	0.005297	0.004058
577946.8	4136957	8.54558	7.88159	9.21065	0.040148	0.028227	0.005343	0.004094
577963.5	4136953	8.86729	8.02054	9.57718	0.04166	0.02929	0.005544	0.004248
577972.6	4136955	9.14891	8.19101	9.90062	0.042983	0.03022	0.00572	0.004383
577981.6	4136957	9.42664	8.35636	10.22035	0.044287	0.031137	0.005894	0.004516
577990.7	4136959	9.69444	8.51371	10.52874	0.045545	0.032022	0.006061	0.004644
577999.7	4136960	9.95169	8.66359	10.82394	0.046754	0.032872	0.006222	0.004767

578008.8	4136962	10.20144	8.80905	11.10869	0.047927	0.033696	0.006378	0.004887
578017.9	4136964	10.44116	8.94888	11.38007	0.049053	0.034488	0.006528	0.005002
578026.9	4136965	10.66887	9.0652	11.63631	0.050123	0.03524	0.00667	0.005111
578036	4136967	10.88672	9.16072	11.8807	0.051146	0.03596	0.006807	0.005215
578045	4136969	10.92771	9.26382	12.0265	0.051339	0.036095	0.006832	0.005235
578054.1	4136970	11.09612	9.37134	12.21902	0.05213	0.036652	0.006938	0.005315
578063.2	4136972	11.25012	9.46945	12.39701	0.052854	0.03716	0.007034	0.005389
578162.8	4136991	11.87929	9.7496	13.21674	0.05581	0.039238	0.007427	0.005691
578171.9	4136992	11.7815	9.67291	13.09234	0.05535	0.038915	0.007366	0.005644
578180.9	4136994	11.66611	9.58399	12.94269	0.054808	0.038534	0.007294	0.005588
578190	4136996	11.68213	9.4936	12.72814	0.054883	0.038587	0.007303	0.005596
578199	4136998	11.53149	9.25429	12.42277	0.054175	0.038089	0.007209	0.005524
578208.1	4136999	11.36035	9.06352	12.19208	0.053371	0.037524	0.007102	0.005442
577733.7	4137102	2.79683	4.34848	3.76513	0.013143	0.00924	0.001751	0.001341
577728.5	4137110	2.65071	4.23529	3.65645	0.012456	0.008757	0.00166	0.001271
577723.3	4137118	2.50418	3.66087	3.54339	0.011767	0.008273	0.001568	0.001201
577718.1	4137126	2.21766	3.2541	2.79736	0.010421	0.007326	0.001388	0.001063
577712.9	4137134	2.07869	3.08662	2.53733	0.009767	0.006867	0.001301	0.000997
577707.8	4137142	1.95654	2.9493	2.41992	0.009194	0.006464	0.001225	0.000938
577702.6	4137150	1.84833	2.83596	2.32437	0.008685	0.006106	0.001157	0.000886
577697.4	4137158	1.75323	2.74634	2.25127	0.008238	0.005792	0.001098	0.000841
577692.2	4137166	1.66173	2.65343	2.17696	0.007809	0.00549	0.001041	0.000797
577687	4137173	1.56789	2.53641	2.08382	0.007368	0.00518	0.000982	0.000752
577681.9	4137181	1.47882	2.41544	1.992	0.006949	0.004886	0.000926	0.000709
577676.7	4137189	1.39736	2.2998	1.91017	0.006566	0.004617	0.000875	0.00067
577671.5	4137197	1.31961	2.1778	1.82708	0.006201	0.00436	0.000827	0.000633
577666.3	4137205	1.24302	2.04363	1.73586	0.005841	0.004107	0.000779	0.000596
577661.1	4137213	1.16963	1.90777	1.64374	0.005496	0.003864	0.000733	0.000561
577655.9	4137221	1.09841	1.77008	1.54931	0.005162	0.003629	0.000688	0.000527
577945.9	4137435	109.93159	181.7831	54.00093	0.516478	0.363122	0.068744	0.052668
577953.8	4137440	115.4261	242.5072	53.38006	0.542341	0.381299	0.072228	0.055328
577961.7	4137445	108.81735	279.0087	50.87921	0.51134	0.359497	0.068143	0.052189
577920.7	4137412	46.94402	66.37748	44.854	0.220565	0.155072	0.02937	0.022499
577940.5	4137443	91.18408	150.9297	47.02248	0.428402	0.301198	0.057023	0.043688
577948.4	4137448	93.87722	183.5668	46.31945	0.441081	0.310108	0.058733	0.044993
577956.3	4137453	88.36158	193.854	44.25753	0.415188	0.291901	0.055304	0.042362
577914	4137428	49.3574	64.55416	39.44465	0.23189	0.163036	0.030865	0.023647
577910.9	4137414	38.14464	52.63523	38.39594	0.179223	0.126005	0.023865	0.018282
577908.7	4137436	47.08901	60.44325	35.89091	0.22123	0.155541	0.029444	0.022559
577901.2	4137416	31.60319	42.89893	33.1609	0.148489	0.104397	0.019774	0.015147
577904	4137401	26.51581	40.24841	33.33081	0.124596	0.087598	0.016601	0.012715
577906	4137448	47.18449	60.77347	33.08542	0.221675	0.155855	0.0295	0.022603
577900.7	4137441	41.18039	51.86421	32.1968	0.19347	0.136024	0.025749	0.019728
577895.3	4137433	34.70354	43.77247	30.65202	0.163046	0.114633	0.021703	0.016628
577924.5	4137469	56.42965	85.33779	32.78978	0.265115	0.186395	0.035285	0.027034
577932.4	4137474	56.13758	90.10831	32.16287	0.263747	0.185433	0.035107	0.026897
577940.3	4137479	53.15969	89.00249	30.92727	0.24976	0.175599	0.033249	0.025473
577948.2	4137484	48.08647	82.08815	29.19739	0.225928	0.158843	0.030079	0.023043
577956.1	4137488	41.924	71.58339	27.14839	0.196976	0.138488	0.026226	0.020091
577901	4137457	43.6757	56.0121	30.16644	0.20519	0.144265	0.027306	0.020921
577890.6	4137442	34.31986	42.39821	28.57171	0.16124	0.113364	0.02146	0.016442
577885.4	4137435	29.14068	36.34751	27.05807	0.136911	0.096258	0.018225	0.013963
577919.2	4137477	49.29432	72.1532	29.54064	0.23159	0.162826	0.030822	0.023615
577927.1	4137482	48.74493	74.75162	28.95314	0.229012	0.161013	0.030482	0.023354
577935	4137487	46.23121	73.33965	27.87412	0.217205	0.152711	0.028913	0.022151
577942.9	4137492	42.22247	68.2358	26.4101	0.198374	0.139471	0.026408	0.020232
577890.8	4137459	37.10516	46.02302	27.28899	0.174322	0.122562	0.023198	0.017774
577880.6	4137444	29.01176	35.36105	25.44217	0.136303	0.095831	0.018142	0.0139
577913.9	4137486	43.49342	61.80199	26.78359	0.204336	0.143664	0.027194	0.020835
577921.8	4137490	42.82026	63.18501	26.23509	0.201176	0.141442	0.026775	0.020514

577929.7	4137495	40.68325	61.75563	25.2888	0.191138	0.134384	0.025441	0.019492
577937.6	4137500	37.44139	57.83864	24.03388	0.175909	0.123677	0.023416	0.01794
577945.5	4137505	33.57754	52.29073	22.57821	0.157757	0.110914	0.021001	0.016089
577885.7	4137468	34.70822	42.78799	25.17022	0.16306	0.114644	0.021699	0.016626
577875.7	4137453	28.40213	34.09137	23.86205	0.133437	0.093816	0.017759	0.013607
577908.6	4137494	38.69897	53.53973	24.41457	0.18181	0.127827	0.024195	0.018538
577916.5	4137499	37.99841	54.25503	23.91343	0.178521	0.125514	0.023759	0.018204
577924.4	4137504	36.17649	52.93145	23.08387	0.169963	0.119497	0.022622	0.017332
577932.3	4137509	33.51702	49.85954	22.00344	0.15747	0.110713	0.02096	0.016058
577880.5	4137476	32.34053	39.594	23.27204	0.151936	0.106823	0.020218	0.015491
577870.7	4137462	27.46023	32.62185	22.35695	0.129011	0.090704	0.017169	0.013155
577903.2	4137502	34.69583	46.86443	22.36492	0.163003	0.114604	0.021692	0.01662
577911.1	4137507	34.00591	47.19037	21.90808	0.159763	0.112325	0.021262	0.01629
577919	4137512	32.44133	46.00028	21.17802	0.152414	0.107158	0.020285	0.015542
577926.9	4137517	30.21466	43.51743	20.23475	0.141954	0.099804	0.018894	0.014476
577934.8	4137522	27.582	40.13546	19.14457	0.129586	0.091109	0.017249	0.013215
577874.5	4137499	28.75656	35.16425	20.08956	0.135098	0.094985	0.017977	0.013774
577869.2	4137491	27.82735	33.39908	20.14439	0.130733	0.091915	0.017396	0.013329
577863.9	4137484	26.296	31.03914	19.94759	0.123539	0.086858	0.016439	0.012596
577858.6	4137476	24.28785	28.31926	19.50421	0.114106	0.080225	0.015185	0.011634
577845.6	4137366	6.58844	13.94543	12.31216	0.030967	0.02177	0.004134	0.003164
577847.2	4137357	6.28713	13.93118	12.02376	0.029552	0.020775	0.003945	0.00302
577893	4137519	28.66869	37.22731	19.13695	0.134686	0.094695	0.017923	0.013733
577900.9	4137524	28.01378	37.14747	18.73967	0.13161	0.092532	0.017514	0.013419
577908.8	4137529	26.80889	36.1839	18.15436	0.125951	0.088553	0.016762	0.012843
577864.6	4137515	24.7779	29.73918	17.49378	0.116406	0.081843	0.015489	0.011868
577854.3	4137501	23.5311	27.4548	17.58044	0.110549	0.077725	0.01471	0.011271
577821.5	4137398	6.92824	11.78165	11.11908	0.032559	0.02289	0.004342	0.003325
577824.7	4137381	5.96344	11.53667	10.60288	0.028028	0.019704	0.00374	0.002863
577828	4137363	5.29438	11.42005	10.15655	0.024885	0.017495	0.003322	0.002543
577849.6	4137525	21.3622	24.89112	15.52632	0.100359	0.07056	0.013354	0.010232
577839.6	4137511	20.20086	23.03996	15.47812	0.094903	0.066725	0.012628	0.009676
577796.1	4137438	7.91855	10.64938	10.21356	0.037208	0.026159	0.004957	0.003797
577799.3	4137421	6.8663	10.24697	9.86301	0.032266	0.022684	0.0043	0.003293
577802.5	4137403	5.92619	9.9537	9.4631	0.02785	0.01958	0.003714	0.002844
577805.6	4137386	5.15507	9.75603	9.06601	0.024228	0.017033	0.003232	0.002475
577808.8	4137369	4.5785	9.6315	8.71793	0.02152	0.015129	0.002873	0.002199
577812	4137352	4.20948	9.5779	8.44467	0.019787	0.01391	0.002642	0.002022
577880.4	4137556	20.22458	25.10848	14.28471	0.095015	0.066803	0.012644	0.009688
577888.3	4137561	19.4415	24.45948	13.88069	0.091337	0.064217	0.012155	0.009313
577896.2	4137566	18.43857	23.47335	13.38401	0.086626	0.060905	0.011528	0.008833
577904.1	4137571	17.28936	22.24024	12.82081	0.081227	0.057109	0.01081	0.008283
577849.1	4137555	18.62017	21.76344	13.39346	0.087477	0.061503	0.01164	0.008919
577828.1	4137525	17.99393	20.24324	13.81556	0.084535	0.059435	0.011248	0.008619
577777.4	4137441	6.65524	9.07082	8.74622	0.031272	0.021986	0.004166	0.003191
577779.1	4137432	6.20642	8.89426	8.59297	0.029164	0.020504	0.003886	0.002976
577780.7	4137424	5.77506	8.74033	8.42771	0.027138	0.019079	0.003617	0.00277
577782.4	4137415	5.37115	8.61109	8.25691	0.025241	0.017745	0.003365	0.002577
577784.1	4137406	4.99797	8.50352	8.08344	0.023488	0.016513	0.003132	0.002398
577785.7	4137397	4.66176	8.41596	7.91424	0.021909	0.015403	0.002922	0.002238
577787.4	4137388	4.36407	8.34464	7.75359	0.020511	0.01442	0.002737	0.002095
577790.7	4137370	3.88998	8.24177	7.47504	0.018284	0.012854	0.002441	0.001868
577792.4	4137361	3.71357	8.20789	7.36109	0.017456	0.012271	0.002331	0.001784
577794	4137352	3.57725	8.18779	7.26441	0.016815	0.011821	0.002246	0.001719
577795.7	4137343	3.48266	8.18422	7.18535	0.016371	0.011509	0.002187	0.001674
577797.4	4137334	3.42803	8.19834	7.11995	0.016114	0.011328	0.002153	0.001647
577799	4137325	3.4133	8.2323	7.0667	0.016045	0.01128	0.002143	0.00164
577854.3	4137563	18.17742	21.43957	13.04842	0.085397	0.060041	0.011363	0.008707
577862.2	4137568	17.95751	21.46529	12.8872	0.084364	0.059315	0.011226	0.008601
577870.1	4137572	17.52075	21.21346	12.63692	0.082313	0.057872	0.010953	0.008392

577878	4137577	16.89357	20.70126	12.30665	0.079366	0.055801	0.010561	0.008092
577885.9	4137582	16.10136	19.95047	11.90282	0.075645	0.053184	0.010067	0.007713
577893.8	4137587	15.18507	19.0061	11.43843	0.071341	0.050158	0.009494	0.007274
577839	4137571	16.36431	18.80874	11.94268	0.076879	0.054052	0.010229	0.007838
577828.7	4137557	16.69818	18.88349	12.35394	0.078447	0.055155	0.010438	0.007998
577772.3	4137476	8.51488	10.02774	9.26066	0.040006	0.028127	0.005326	0.004081
577762.1	4137462	6.78213	8.56004	8.18632	0.031867	0.022404	0.004244	0.003251
577758.6	4137446	5.66005	7.76812	7.5405	0.026596	0.018698	0.003543	0.002714
577761.8	4137428	4.95796	7.50129	7.26878	0.023298	0.01638	0.003105	0.002378
577765.1	4137411	4.33752	7.31133	6.98955	0.020384	0.014331	0.002718	0.002081
577768.3	4137393	3.82292	7.18219	6.72475	0.017967	0.012631	0.002397	0.001835
577771.6	4137376	3.42438	7.09481	6.49856	0.016095	0.011315	0.002148	0.001645
577774.8	4137358	3.13986	7.03652	6.32456	0.014759	0.010376	0.001971	0.001509
577778.1	4137340	2.96423	7.00684	6.19866	0.013934	0.009796	0.001861	0.001425
577779.7	4137332	2.91662	7.00689	6.14985	0.01371	0.009638	0.001832	0.001402
577852	4137584	15.7359	18.43913	11.49087	0.073927	0.051976	0.009837	0.007537
577859.9	4137589	15.35226	18.19627	11.27102	0.072125	0.050709	0.009597	0.007354
577867.8	4137594	14.82401	17.76307	10.98704	0.069643	0.048965	0.009267	0.007101
577875.7	4137599	14.17528	17.1629	10.64745	0.066596	0.046822	0.008862	0.00679
577883.6	4137604	13.43935	16.43196	10.26466	0.063139	0.044392	0.008402	0.006438
577828.5	4137587	14.5221	16.43727	10.73725	0.068224	0.047967	0.009078	0.006956
577823.2	4137580	14.78141	16.61062	10.96294	0.069442	0.048823	0.00924	0.00708
577817.9	4137572	14.89892	16.62009	11.12915	0.069994	0.049212	0.009313	0.007136
577812.6	4137565	14.86219	16.4602	11.22903	0.069822	0.04909	0.00929	0.007118
577807.3	4137557	14.66499	16.13186	11.25663	0.068895	0.048439	0.009167	0.007024
577764.7	4137497	8.97333	10.10135	9.04451	0.042159	0.029641	0.005612	0.004299
577759.4	4137489	8.11215	9.34342	8.57521	0.038114	0.026796	0.005074	0.003887
577754.1	4137481	7.28565	8.6338	8.09025	0.034231	0.024067	0.004558	0.003492
577748.8	4137474	6.51595	7.9793	7.60724	0.030615	0.021525	0.004077	0.003123
577743.5	4137466	5.81063	7.38769	7.13531	0.027302	0.019195	0.003636	0.002785
577739.8	4137449	4.85398	6.71684	6.5614	0.022808	0.016036	0.003039	0.002328
577741.5	4137440	4.54555	6.59119	6.4369	0.02136	0.015017	0.002846	0.00218
577743.2	4137431	4.25369	6.48534	6.31273	0.019989	0.014053	0.002664	0.00204
577744.9	4137422	3.98183	6.39816	6.19045	0.018712	0.013155	0.002495	0.00191
577746.6	4137413	3.7304	6.32546	6.0696	0.017531	0.012325	0.002338	0.00179
577748.3	4137404	3.50171	6.26504	5.95249	0.016457	0.01157	0.002195	0.001681
577750	4137395	3.29656	6.21422	5.84115	0.015494	0.010892	0.002067	0.001583
577751.7	4137386	3.11688	6.17322	5.74016	0.01465	0.010299	0.001955	0.001497
577753.3	4137377	2.96152	6.1387	5.64997	0.01392	0.009786	0.001858	0.001422
577755	4137368	2.83088	6.11222	5.57413	0.013306	0.009354	0.001777	0.00136
577756.7	4137358	2.72267	6.09012	5.51019	0.012798	0.008997	0.001709	0.001308
577758.4	4137349	2.63522	6.07116	5.45593	0.012387	0.008708	0.001654	0.001266
577760.1	4137340	2.56623	6.05213	5.40619	0.012063	0.00848	0.001611	0.001233
577761.8	4137331	2.51575	6.03564	5.35983	0.011826	0.008314	0.00158	0.001209
577763.5	4137322	2.48576	6.02848	5.31923	0.011685	0.008215	0.001561	0.001195
577765.1	4137313	2.48332	6.04942	5.29692	0.011674	0.008207	0.00156	0.001194
577766.8	4137304	2.50561	6.09315	5.28633	0.011778	0.00828	0.001574	0.001204
577833.8	4137595	14.1362	16.112	10.45885	0.066411	0.046692	0.008837	0.006771
577841.7	4137600	13.92489	16.03801	10.32164	0.065419	0.045995	0.008705	0.00667
577849.6	4137605	13.58683	15.81137	10.12729	0.063831	0.044878	0.008494	0.006508
577857.5	4137610	13.13928	15.44517	9.88249	0.061728	0.0434	0.008214	0.006294
577865.4	4137615	12.59443	14.9497	9.59042	0.059169	0.0416	0.007874	0.006033
577873.3	4137620	11.9865	14.36285	9.26672	0.056313	0.039593	0.007494	0.005742
577818.4	4137604	12.97108	14.48784	9.70174	0.060937	0.042844	0.008108	0.006213
577813.2	4137596	13.22407	14.67803	9.90615	0.062126	0.043679	0.008266	0.006334
577808	4137589	13.36898	14.74573	10.06341	0.062807	0.044158	0.008357	0.006403
577802.7	4137582	13.40132	14.69015	10.17162	0.062958	0.044265	0.008377	0.006419
577792.3	4137567	13.10054	14.20008	10.21949	0.061546	0.043271	0.008189	0.006275
577787.1	4137559	12.77437	13.78505	10.15787	0.060013	0.042194	0.007985	0.006119
577766.3	4137530	10.49182	11.31088	9.33307	0.049291	0.034656	0.00656	0.005026

577755.8	4137515	9.02916	9.90753	8.65176	0.04242	0.029825	0.005646	0.004326
577750.6	4137507	8.28625	9.23078	8.27012	0.038931	0.027371	0.005182	0.00397
577745.4	4137500	7.55835	8.58707	7.87226	0.035511	0.024967	0.004727	0.003622
577735	4137485	6.18928	7.41188	7.05119	0.02908	0.020445	0.003872	0.002966
577729.8	4137478	5.57219	6.89497	6.64799	0.026181	0.018407	0.003487	0.002671
577724.6	4137470	5.01079	6.43207	6.26222	0.023544	0.016553	0.003136	0.002402
577721	4137454	4.23758	5.89715	5.7867	0.019912	0.013999	0.002653	0.002032
577722.7	4137445	3.98062	5.78826	5.67555	0.018705	0.013151	0.002493	0.001909
577726	4137427	3.50911	5.61343	5.45639	0.016491	0.011594	0.002199	0.001684
577727.6	4137418	3.2995	5.54799	5.3526	0.015506	0.010901	0.002068	0.001583
577730.9	4137400	2.93506	5.44767	5.15855	0.013794	0.009698	0.00184	0.001409
577732.6	4137391	2.77989	5.40631	5.06877	0.013066	0.009185	0.001743	0.001335
577734.2	4137382	2.64486	5.37307	4.98949	0.012431	0.008739	0.001659	0.00127
577737.6	4137365	2.4352	5.33259	4.87149	0.011447	0.008047	0.001528	0.00117
577739.2	4137356	2.35566	5.31813	4.8278	0.011073	0.007784	0.001479	0.001132
577742.5	4137338	2.2422	5.29983	4.76537	0.01054	0.00741	0.001408	0.001078
577744.2	4137329	2.20674	5.29661	4.74247	0.010374	0.007293	0.001386	0.001061
577745.8	4137320	2.18464	5.2975	4.72137	0.01027	0.00722	0.001372	0.00105
577749.1	4137302	2.19232	5.34433	4.70279	0.010306	0.007245	0.001377	0.001054
577831.5	4137616	12.42473	14.09581	9.33043	0.058371	0.041039	0.007767	0.005951
577839.4	4137621	12.12822	13.89037	9.15909	0.056978	0.04006	0.007582	0.005809
577847.3	4137626	11.74716	13.58097	8.94788	0.055188	0.038802	0.007344	0.005627
577855.2	4137631	11.29533	13.18005	8.70188	0.053066	0.037309	0.007061	0.005411
577863.1	4137636	10.79019	12.70557	8.42809	0.050693	0.035641	0.006746	0.005169
577808.2	4137620	11.67268	12.88306	8.82075	0.054837	0.038555	0.007296	0.005591
577798	4137606	12.07001	13.17437	9.1538	0.056704	0.039867	0.007545	0.005781
577792.8	4137598	12.13891	13.17794	9.2617	0.057028	0.040095	0.007588	0.005814
577782.6	4137584	11.99934	12.89748	9.34918	0.056372	0.039634	0.007501	0.005747
577772.3	4137569	11.48868	12.25726	9.25382	0.053973	0.037948	0.007182	0.005503
577767.2	4137562	11.10158	11.8158	9.13432	0.052155	0.036669	0.00694	0.005317
577736.5	4137518	7.66223	8.45421	7.58836	0.035999	0.02531	0.004792	0.003671
577726.2	4137503	6.44084	7.38541	6.90015	0.030261	0.021276	0.004029	0.003086
577716	4137489	5.3303	6.45079	6.20762	0.025045	0.017608	0.003335	0.002555
577705.7	4137474	4.37551	5.66948	5.55252	0.020559	0.014454	0.002739	0.002098
577702.2	4137458	3.7406	5.23595	5.15493	0.017577	0.012357	0.002342	0.001794
577705.5	4137440	3.3205	5.06095	4.96127	0.015604	0.01097	0.00208	0.001593
577708.7	4137423	2.94918	4.9283	4.77454	0.01386	0.009744	0.001848	0.001415
577712	4137405	2.63765	4.83507	4.60564	0.012396	0.008715	0.001654	0.001266
577715.2	4137388	2.39307	4.78016	4.47045	0.011248	0.007907	0.001501	0.001149
577718.5	4137370	2.20622	4.74117	4.36466	0.01037	0.00729	0.001385	0.00106
577721.7	4137353	2.0721	4.71426	4.29227	0.00974	0.006847	0.001301	0.000996
577723.3	4137344	2.02414	4.70812	4.27019	0.009515	0.006689	0.001271	0.000973
577726.6	4137326	1.96402	4.7146	4.25006	0.009233	0.006491	0.001233	0.000944
577729.8	4137309	1.94191	4.73163	4.23445	0.009129	0.006418	0.00122	0.000933
577733.1	4137291	1.9616	4.77304	4.21992	0.009221	0.006483	0.001232	0.000943
577821.2	4137633	11.16861	12.50315	8.48343	0.05247	0.03689	0.006982	0.005349
577829.1	4137638	10.90513	12.31552	8.33018	0.051232	0.03602	0.006817	0.005223
577837	4137643	10.57568	12.0491	8.14515	0.049684	0.034932	0.006611	0.005066
577844.9	4137648	10.19141	11.71392	7.93272	0.047879	0.033663	0.006371	0.004882
577852.8	4137653	9.75827	11.31421	7.6934	0.045845	0.032232	0.006101	0.004674
577797.8	4137636	10.57854	11.54819	8.06781	0.049697	0.034941	0.006612	0.005067
577792.5	4137629	10.80933	11.73818	8.24166	0.050781	0.035703	0.006757	0.005177
577787.3	4137621	10.96929	11.85055	8.38256	0.051533	0.036232	0.006857	0.005254
577782	4137614	11.05281	11.88093	8.4878	0.051925	0.036508	0.006909	0.005294
577776.7	4137606	11.05668	11.82873	8.55563	0.051943	0.03652	0.006911	0.005296
577771.4	4137599	10.98077	11.69638	8.58564	0.051587	0.03627	0.006864	0.005259
577766.2	4137591	10.82192	11.48335	8.57423	0.050841	0.035745	0.006765	0.005183
577760.9	4137584	10.58232	11.19555	8.52077	0.049715	0.034954	0.006615	0.005069
577755.6	4137576	10.26375	10.8366	8.42351	0.048219	0.033902	0.006416	0.004916
577750.3	4137569	9.87719	10.42039	8.28566	0.046403	0.032625	0.006175	0.004731

577745.1	4137561	9.43198	9.95966	8.10942	0.044312	0.031154	0.005896	0.004518
577739.8	4137554	8.93645	9.46777	7.8962	0.041984	0.029518	0.005587	0.004281
577718.7	4137524	6.7222	7.43055	6.77954	0.031582	0.022205	0.004204	0.003221
577713.4	4137516	6.17608	6.95639	6.46792	0.029017	0.020401	0.003863	0.002959
577708.2	4137508	5.65228	6.51128	6.15527	0.026557	0.018671	0.003536	0.002709
577702.9	4137501	5.15759	6.09879	5.84661	0.024233	0.017037	0.003227	0.002472
577697.6	4137493	4.69123	5.71488	5.54107	0.022042	0.015497	0.002935	0.002249
577692.3	4137486	4.25829	5.36226	5.24416	0.020008	0.014067	0.002665	0.002041
577687.1	4137478	3.86163	5.04171	4.95986	0.018145	0.012757	0.002417	0.001851
577683.5	4137462	3.31311	4.67244	4.61253	0.015568	0.010945	0.002074	0.001589
577685.1	4137453	3.12763	4.59558	4.52918	0.014697	0.010333	0.001959	0.0015
577686.8	4137444	2.94959	4.52516	4.44433	0.013861	0.009745	0.001848	0.001415
577688.5	4137435	2.78128	4.46243	4.36004	0.01307	0.009189	0.001743	0.001334
577690.2	4137426	2.626	4.4099	4.27991	0.012341	0.008676	0.001646	0.00126
577691.8	4137417	2.4826	4.36379	4.20198	0.011667	0.008203	0.001556	0.001192
577693.5	4137408	2.35182	4.32328	4.12745	0.011053	0.007771	0.001475	0.001129
577695.2	4137399	2.24049	4.2999	4.06821	0.01053	0.007403	0.001405	0.001076
577696.8	4137390	2.14162	4.28032	4.01431	0.010066	0.007077	0.001343	0.001028
577698.5	4137381	2.055	4.26346	3.96633	0.009659	0.00679	0.001289	0.000987
577700.2	4137371	1.98159	4.25219	3.92794	0.009314	0.006548	0.001244	0.000952
577701.9	4137362	1.91881	4.24184	3.89576	0.009019	0.006341	0.001204	0.000922
577703.5	4137353	1.86523	4.23083	3.8684	0.008768	0.006164	0.001171	0.000896
577705.2	4137344	1.82491	4.22999	3.85475	0.008578	0.006031	0.001146	0.000877
577706.9	4137335	1.79837	4.24274	3.8567	0.008454	0.005943	0.001129	0.000864
577708.6	4137326	1.77783	4.25246	3.85798	0.008357	0.005875	0.001117	0.000854
577710.2	4137317	1.76376	4.26115	3.85818	0.008291	0.005829	0.001108	0.000848
577711.9	4137308	1.75684	4.27118	3.85722	0.008259	0.005806	0.001103	0.000844
577713.6	4137299	1.75757	4.28397	3.85455	0.008262	0.005808	0.001104	0.000845
577715.3	4137290	1.76664	4.29866	3.85024	0.008305	0.005838	0.00111	0.000849
577716.9	4137281	1.78337	4.31577	3.8418	0.008383	0.005894	0.001112	0.000857
577718.6	4137272	1.80838	4.33715	3.83256	0.008501	0.005976	0.001136	0.000869
577803.1	4137644	10.28993	11.29256	7.86782	0.048341	0.033988	0.006432	0.004928
577811	4137649	10.11124	11.18623	7.75732	0.047502	0.033398	0.006321	0.004843
577818.9	4137654	9.8681	11.00651	7.61438	0.04636	0.032595	0.006169	0.004727
577826.8	4137659	9.57233	10.76529	7.44549	0.044971	0.031618	0.005984	0.004585
577834.7	4137664	9.23502	10.47303	7.25566	0.043386	0.030504	0.005773	0.004424
577842.6	4137669	8.86438	10.1373	7.04782	0.041645	0.02928	0.005542	0.004246
577787.6	4137653	9.62836	10.40953	7.40483	0.045233	0.031803	0.006018	0.004612
577782.4	4137645	9.83916	10.58648	7.56038	0.046224	0.032499	0.00615	0.004712
577772.1	4137631	10.09613	10.76335	7.79392	0.047431	0.033348	0.006311	0.004836
577766.9	4137623	10.13096	10.75415	7.8658	0.047594	0.033463	0.006333	0.004852
577756.5	4137608	10.00353	10.54015	7.91304	0.046996	0.033042	0.006253	0.004791
577746.1	4137593	9.61761	10.08317	7.82733	0.045183	0.031767	0.006012	0.004606
577740.9	4137586	9.33325	9.7737	7.7333	0.043847	0.030828	0.005834	0.00447
577730.5	4137571	8.60326	9.02623	7.44335	0.040418	0.028417	0.005378	0.004121
577725.3	4137564	8.17148	8.60749	7.24996	0.03839	0.026991	0.005109	0.003914
577699.3	4137527	5.78436	6.44632	5.99461	0.027176	0.019107	0.003618	0.002772
577689	4137512	4.89208	5.69484	5.45143	0.022985	0.01616	0.00306	0.002344
577683.8	4137505	4.48389	5.36039	5.18887	0.021068	0.014812	0.002805	0.002149
577673.4	4137490	3.74643	4.76581	4.68522	0.017603	0.012376	0.002345	0.001796
577668.2	4137482	3.41565	4.49975	4.44333	0.016049	0.011284	0.002138	0.001638
577664.6	4137466	2.95885	4.19595	4.15141	0.013904	0.009775	0.001853	0.001419
577667.9	4137448	2.65436	4.07579	4.01147	0.012473	0.008769	0.001663	0.001273
577669.6	4137439	2.51314	4.02449	3.94184	0.01181	0.008303	0.001575	0.001206
577672.9	4137422	2.26096	3.94493	3.81245	0.010626	0.00747	0.001417	0.001085
577676.2	4137404	2.05056	3.88795	3.69707	0.009638	0.006775	0.001286	0.000984
577677.8	4137395	1.9649	3.87301	3.65247	0.009235	0.006493	0.001232	0.000944
577681.1	4137377	1.82325	3.85082	3.5784	0.00857	0.006025	0.001144	0.000876
577684.4	4137359	1.72823	3.85812	3.54698	0.008124	0.005711	0.001085	0.00083
577687.7	4137341	1.65921	3.85932	3.528	0.0078	0.005483	0.001042	0.000797

577689.4	4137333	1.6351	3.86201	3.52556	0.007686	0.005403	0.001027	0.000786
577692.7	4137315	1.60156	3.85971	3.52012	0.007529	0.005293	0.001006	0.00077
577696	4137297	1.58436	3.84274	3.49757	0.007448	0.005236	0.000995	0.000762
577697.6	4137288	1.58428	3.83881	3.48057	0.007448	0.005236	0.000995	0.000762
577700.9	4137270	1.60863	3.86231	3.45845	0.007562	0.005316	0.00101	0.000773
577792.8	4137660	9.37001	10.17969	7.22667	0.04402	0.030949	0.005857	0.004488
577800.7	4137665	9.20372	10.07459	7.1242	0.043239	0.0304	0.005753	0.004408
577808.6	4137670	8.98414	9.90985	6.99415	0.042207	0.029675	0.005616	0.004303
577816.5	4137675	8.71869	9.69262	6.84045	0.04096	0.028798	0.00545	0.004176
577824.4	4137680	8.41797	9.433	6.66828	0.039548	0.027805	0.005262	0.004032
577832.3	4137685	8.10051	9.151	6.48834	0.038056	0.026757	0.005064	0.00388
577777.3	4137669	8.81995	9.45035	6.83373	0.041435	0.029132	0.005513	0.004224
577771.9	4137661	9.01895	9.61914	6.9789	0.04237	0.02979	0.005637	0.00432
577766.6	4137654	9.17186	9.7385	7.10176	0.043089	0.030295	0.005733	0.004393
577761.3	4137646	9.2708	9.80164	7.19795	0.043553	0.030622	0.005795	0.00444
577756	4137638	9.31029	9.8042	7.26434	0.043739	0.030752	0.00582	0.004459
577750.7	4137631	9.29592	9.75313	7.3045	0.043671	0.030705	0.005811	0.004452
577745.3	4137623	9.22613	9.64853	7.31726	0.043344	0.030474	0.005767	0.004419
577740	4137616	9.10116	9.49254	7.30198	0.042757	0.030061	0.005689	0.004359
577734.7	4137608	8.92138	9.2869	7.25756	0.041912	0.029468	0.005577	0.004273
577729.4	4137601	8.68833	9.03482	7.18308	0.040817	0.028698	0.005431	0.004161
577724	4137593	8.40238	8.73827	7.07645	0.039474	0.027753	0.005253	0.004025
577718.7	4137585	8.06949	8.4049	6.93918	0.03791	0.026654	0.005045	0.003865
577713.4	4137578	7.69454	8.04056	6.77133	0.036149	0.025416	0.00481	0.003686
577708.1	4137570	7.28877	7.65616	6.57822	0.034243	0.024075	0.004557	0.003492
577702.7	4137563	6.85954	7.25856	6.36218	0.032227	0.022658	0.004289	0.003286
577697.4	4137555	6.41844	6.85851	6.12941	0.030155	0.021201	0.004013	0.003075
577676.1	4137525	4.70282	5.3738	5.1266	0.022096	0.015535	0.002942	0.002254
577670.8	4137517	4.32953	5.06905	4.89206	0.020342	0.014302	0.002709	0.002075
577665.5	4137509	3.9795	4.78822	4.66491	0.018698	0.013146	0.00249	0.001907
577660.2	4137502	3.64887	4.52472	4.44109	0.017145	0.012054	0.002283	0.001749
577654.8	4137494	3.3375	4.27643	4.22043	0.015682	0.011025	0.002089	0.0016
577649.5	4137487	3.04796	4.04459	4.00578	0.014322	0.010069	0.001908	0.001461
577645.9	4137470	2.64688	3.77938	3.74642	0.012438	0.008744	0.001657	0.001269
577647.6	4137461	2.5117	3.72656	3.68622	0.011803	0.008298	0.001573	0.001205
577649.3	4137452	2.3812	3.67749	3.62485	0.01119	0.007867	0.001492	0.001142
577651	4137443	2.25756	3.63371	3.56425	0.010609	0.007459	0.001414	0.001083
577652.6	4137433	2.14344	3.59797	3.50766	0.010073	0.007082	0.001343	0.001029
577654.3	4137424	2.03978	3.57081	3.45646	0.009586	0.006739	0.001279	0.000979
577656	4137415	1.9446	3.54773	3.40757	0.009139	0.006425	0.001219	0.000933
577657.7	4137406	1.85927	3.53027	3.36356	0.008738	0.006143	0.001166	0.000893
577659.4	4137397	1.78875	3.5272	3.33343	0.008407	0.00591	0.001122	0.000859
577661.1	4137388	1.7253	3.52398	3.30524	0.008109	0.005701	0.001082	0.000829
577662.8	4137379	1.66892	3.52002	3.27941	0.007845	0.005515	0.001047	0.000802
577664.5	4137370	1.6231	3.52315	3.26378	0.007629	0.005363	0.001019	0.00078
577666.2	4137361	1.58436	3.52657	3.25275	0.007447	0.005236	0.000995	0.000761
577667.8	4137351	1.55078	3.52748	3.24377	0.00729	0.005125	0.000974	0.000745
577669.5	4137342	1.52191	3.52513	3.23628	0.007154	0.005029	0.000956	0.000731
577671.2	4137333	1.49675	3.51498	3.22837	0.007036	0.004946	0.00094	0.000719
577672.9	4137324	1.47362	3.49705	3.21455	0.006927	0.00487	0.000925	0.000708
577674.6	4137315	1.45494	3.48241	3.20024	0.00684	0.004808	0.000914	0.000699
577676.3	4137306	1.44203	3.47412	3.19023	0.006779	0.004766	0.000906	0.000693
577678	4137297	1.43414	3.46854	3.18023	0.006742	0.004739	0.000901	0.000689
577679.7	4137288	1.43145	3.46587	3.16934	0.006729	0.004731	0.000899	0.000688
577681.4	4137278	1.43432	3.46737	3.15782	0.006743	0.00474	0.000901	0.000689
577683	4137269	1.44333	3.47422	3.14631	0.006785	0.00477	0.000906	0.000694
577684.7	4137260	1.45875	3.4865	3.13512	0.006857	0.004821	0.000916	0.000701
577686.4	4137251	1.4803	3.50276	3.1238	0.006959	0.004892	0.00093	0.000711
577782.6	4137676	8.58053	9.23732	6.6689	0.040311	0.028342	0.005364	0.00411
577790.5	4137681	8.4262	9.1357	6.57392	0.039586	0.027832	0.005267	0.004036

577798.4	4137686	8.22966	8.98772	6.45693	0.038663	0.027183	0.005144	0.003942
577806.3	4137691	7.9966	8.7986	6.32087	0.037568	0.026413	0.004999	0.00383
577814.2	4137696	7.73214	8.57279	6.1678	0.036326	0.02554	0.004834	0.003704
577822.1	4137701	7.44347	8.31687	6.00091	0.034969	0.024586	0.004653	0.003565
577767.1	4137685	8.10865	8.61892	6.3256	0.038094	0.026783	0.005068	0.003884
577761.8	4137678	8.29204	8.77587	6.45773	0.038955	0.027389	0.005183	0.003971
577756.6	4137670	8.428	8.88302	6.56452	0.039594	0.027838	0.005268	0.004037
577751.3	4137663	8.52308	8.948	6.65104	0.040041	0.028152	0.005327	0.004082
577746.1	4137655	8.57451	8.969	6.71597	0.040282	0.028322	0.00536	0.004107
577740.9	4137648	8.57937	8.94378	6.75743	0.040305	0.028338	0.005363	0.004109
577735.6	4137640	8.54564	8.88174	6.78077	0.040147	0.028226	0.005342	0.004093
577730.4	4137633	8.47351	8.78423	6.78603	0.039808	0.027988	0.005297	0.004058
577725.1	4137625	8.35792	8.64693	6.76877	0.039265	0.027606	0.005224	0.004003
577719.9	4137618	8.19027	8.46247	6.72197	0.038477	0.027053	0.00512	0.003923
577714.6	4137610	7.97468	8.23648	6.64672	0.037465	0.026341	0.004985	0.00382
577704.1	4137595	7.42155	7.68584	6.41843	0.034866	0.024514	0.00464	0.003555
577698.9	4137588	7.09289	7.37155	6.26738	0.033323	0.023428	0.004434	0.003398
577693.6	4137580	6.73534	7.03708	6.09243	0.031643	0.022247	0.004211	0.003226
577688.4	4137573	6.35926	6.69217	5.89931	0.029876	0.021005	0.003976	0.003046
577683.1	4137565	5.97181	6.34299	5.69098	0.028056	0.019726	0.003734	0.002861
577677.9	4137558	5.57811	5.99384	5.46991	0.026207	0.018425	0.003488	0.002672
577672.6	4137550	5.19315	5.65904	5.24709	0.024399	0.017154	0.003248	0.002488
577656.9	4137528	4.12595	4.7643	4.59201	0.019385	0.013629	0.002581	0.001977
577651.6	4137521	3.81154	4.51142	4.38917	0.017908	0.012591	0.002385	0.001827
577646.4	4137513	3.51373	4.27393	4.18994	0.016509	0.011607	0.002199	0.001684
577641.2	4137506	3.23407	4.05231	3.99612	0.015196	0.010684	0.002024	0.00155
577635.9	4137498	2.97532	3.84891	3.81116	0.01398	0.009829	0.001862	0.001426
577630.7	4137491	2.73234	3.65623	3.6296	0.012839	0.009026	0.00171	0.00131
577627.1	4137474	2.38945	3.42937	3.40466	0.011228	0.007894	0.001496	0.001146
577628.7	4137465	2.27412	3.38496	3.3533	0.010686	0.007513	0.001424	0.001091
577630.4	4137456	2.16404	3.34567	3.30308	0.010169	0.00715	0.001356	0.001038
577632.1	4137447	2.05887	3.30978	3.25276	0.009675	0.006802	0.00129	0.000988
577633.7	4137438	1.96	3.27822	3.20372	0.009211	0.006476	0.001228	0.000941
577635.4	4137429	1.87223	3.25828	3.16325	0.008799	0.006186	0.001174	0.000899
577637.1	4137420	1.79152	3.24219	3.12506	0.00842	0.005919	0.001123	0.00086
577638.7	4137411	1.71726	3.22812	3.08827	0.008071	0.005674	0.001077	0.000824
577640.4	4137402	1.6544	3.22487	3.06179	0.007776	0.005467	0.001038	0.000794
577642.1	4137393	1.60153	3.22949	3.0439	0.007527	0.005292	0.001005	0.000769
577643.7	4137384	1.55435	3.23383	3.02809	0.007306	0.005136	0.000975	0.000747
577645.4	4137375	1.51188	3.23543	3.0128	0.007106	0.004996	0.000949	0.000726
577647.1	4137366	1.47418	3.23472	2.999	0.006929	0.004871	0.000925	0.000708
577648.7	4137357	1.44087	3.22807	2.98621	0.006773	0.004761	0.000905	0.000692
577650.4	4137348	1.40969	3.21378	2.9705	0.006627	0.004658	0.000885	0.000677
577652	4137339	1.38263	3.20117	2.95563	0.006499	0.004569	0.000868	0.000664
577653.7	4137330	1.35961	3.18868	2.94268	0.006391	0.004493	0.000854	0.000653
577655.4	4137321	1.34024	3.17587	2.93099	0.0063	0.004429	0.000842	0.000644
577657	4137312	1.32415	3.16274	2.91963	0.006225	0.004376	0.000832	0.000636
577658.7	4137303	1.31162	3.15115	2.90894	0.006166	0.004335	0.000824	0.00063
577660.4	4137294	1.30298	3.14239	2.89888	0.006125	0.004306	0.000818	0.000626
577662	4137285	1.29849	3.13693	2.88893	0.006104	0.004291	0.000816	0.000624
577665.4	4137267	1.30247	3.13628	2.86727	0.006123	0.004304	0.000818	0.000626
577667	4137258	1.3118	2.90595	2.85627	0.006166	0.004335	0.000824	0.00063
577668.7	4137249	1.32556	2.36546	2.48603	0.00623	0.00438	0.000831	0.000636
577670.4	4137240	1.28681	2.34396	2.21137	0.006048	0.004252	0.000807	0.000618
577772.3	4137693	7.89284	8.42681	6.17727	0.03708	0.02607	0.004934	0.00378
577780.2	4137698	7.75164	8.33175	6.0904	0.036417	0.025604	0.004845	0.003713
577788.1	4137703	7.57447	8.19799	5.98443	0.035585	0.025019	0.004735	0.003628
577796	4137708	7.36707	8.03064	5.86233	0.03461	0.024334	0.004605	0.003529
577803.9	4137713	7.13395	7.83381	5.72619	0.033515	0.023564	0.00446	0.003417
577811.8	4137718	6.87989	7.61154	5.57784	0.032322	0.022725	0.004301	0.003295



577756.9	4137702	7.48023	7.89275	5.87224	0.035142	0.024707	0.004676	0.003583
577746.5	4137687	7.77363	8.13768	6.08859	0.03652	0.025676	0.004859	0.003723
577736.2	4137672	7.92739	8.24005	6.23306	0.037242	0.026184	0.004955	0.003797
577731	4137665	7.95359	8.24122	6.28047	0.037365	0.026271	0.004971	0.003809
577720.6	4137650	7.91881	8.16139	6.33596	0.037202	0.026156	0.00495	0.003793
577710.3	4137635	7.72197	7.93075	6.30493	0.036277	0.025506	0.004827	0.003698
577699.9	4137620	7.35588	7.55015	6.17472	0.034558	0.024297	0.004598	0.003523
577689.5	4137605	6.84888	7.05651	5.95387	0.032176	0.022622	0.004282	0.003281
577684.4	4137598	6.55758	6.78191	5.81617	0.030808	0.02166	0.0041	0.003141
577674	4137583	5.91916	6.19755	5.49212	0.027809	0.019552	0.003701	0.002836
577663.6	4137569	5.2391	5.59514	5.1168	0.024614	0.017306	0.003276	0.00251
577653.3	4137554	4.57305	5.02456	4.72548	0.021485	0.015106	0.00286	0.002191
577627.3	4137517	3.13446	3.85303	3.79489	0.014728	0.010354	0.001961	0.001502
577617	4137502	2.67549	3.49272	3.46692	0.012572	0.008838	0.001675	0.001283
577611.8	4137495	2.46863	3.32964	3.31103	0.0116	0.008155	0.001545	0.001184
577608.3	4137478	2.17136	3.13207	3.1131	0.010203	0.007173	0.00136	0.001041
577611.6	4137461	1.97524	3.058	3.02321	0.009282	0.006526	0.001237	0.000948
577614.8	4137443	1.80246	3.00646	2.94394	0.008471	0.005955	0.00113	0.000865
577618.1	4137425	1.65943	2.98296	2.88362	0.007799	0.005483	0.00104	0.000797
577621.4	4137407	1.54008	2.97186	2.8328	0.007238	0.005089	0.000966	0.000739
577624.7	4137390	1.44513	2.97039	2.79457	0.006792	0.004775	0.000907	0.000694
577628	4137372	1.37031	2.96785	2.76511	0.006441	0.004528	0.00086	0.000658
577631.3	4137354	1.3091	2.94831	2.73561	0.006154	0.004326	0.000822	0.000629
577634.6	4137336	1.26083	2.9246	2.70763	0.005927	0.004167	0.000792	0.000606
577637.9	4137319	1.22544	2.9019	2.68796	0.005761	0.00405	0.00077	0.000589
577641.1	4137301	1.19734	2.86984	2.66209	0.005629	0.003957	0.000752	0.000576
577644.4	4137283	1.12912	2.0475	1.96753	0.005307	0.003731	0.000708	0.000542
577647.7	4137265	1.11223	1.95022	1.82631	0.005227	0.003675	0.000697	0.000534
577651	4137248	1.09437	1.84039	1.68472	0.005143	0.003616	0.000686	0.000525
577762.1	4137709	7.2886	7.72299	5.74065	0.034241	0.024074	0.004556	0.003491
577770	4137714	7.15917	7.63439	5.66099	0.033633	0.023647	0.004475	0.003429
577777.9	4137719	6.99983	7.5142	5.56531	0.032885	0.023121	0.004376	0.003353
577785.8	4137724	6.81415	7.36508	5.45512	0.032013	0.022507	0.00426	0.003264
577793.7	4137729	6.60704	7.19193	5.33316	0.03104	0.021823	0.00413	0.003165
577801.6	4137734	6.38199	6.99741	5.20061	0.029983	0.02108	0.00399	0.003057
578007.4	4137449	45.47171	100.6372	37.5841	0.213678	0.150225	0.028478	0.02181
578014.9	4137453	36.32312	77.17465	32.20922	0.170686	0.120001	0.022748	0.017422
578023.9	4137456	30.26932	62.24571	27.90795	0.142238	0.1	0.018956	0.014518
578089.9	4137414	36.80066	45.70284	28.31772	0.172893	0.121557	0.023009	0.017629
578096.5	4137406	38.81162	44.04365	30.51786	0.182337	0.128197	0.024263	0.018591
578074.2	4137443	25.54106	40.62893	20.79731	0.120004	0.084371	0.01598	0.012241
578117.5	4137204	42.53514	29.01899	53.24101	0.199834	0.140498	0.026595	0.020376
578124.1	4137207	41.07609	28.23864	50.68794	0.192978	0.135679	0.025682	0.019677
578145.7	4137220	36.09371	25.61279	42.02183	0.169569	0.11922	0.022564	0.017289
578109.9	4137190	40.67949	27.93644	51.22074	0.191116	0.134369	0.025435	0.019488