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Brain Hardy
Richland Communities
3161 Michelson Drive, Suite 425
Irvine, CA 92612

Subject: Stoneridge Commerce Center Alternative Truck Route

EXECUTIVE SUMMARY

This memorandum presents the modeled health risk associated with construction and operations of the Stoneridge Commerce Center Specific Plan Project utilizing the Alternative Truck Route. The Alternative Truck Route extends west from the southern boundary of the Project site on Nuevo Road to Dunlap Drive, south on Dunlap Drive to San Jacinto Avenue, west on San Jacinto Avenue to Redlands Avenue, and south on Redlands Avenue to Interstate 215. This analysis utilizes the same methods and assumptions as the previous health risk analysis conducted on the Project utilizing the Primary Land Use Plan truck route with Ramona Expressway providing northern access and Nuevo Road providing southern access. As with the Primary Land Use Plan truck route, there are no significant impacts across all applicable health risk categories analyzed for Project construction and operations utilizing the Alternative Truck Route.

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1.0 INTRODUCTION

This analysis presents the estimated health risk associated with construction and operations of the Stoneridge Commerce Center Specific Plan Project with Alternative Truck Route (Project). The purpose of this Health Risk Assessment (HRA) is to evaluate potential health risks associated with Toxic Air Contaminants (TAC), specifically Diesel Particulate Matter (DPM) resulting from the construction and implementation of the proposed Project. This analysis was conducted with the same procedures and assumptions as the Primary Land Use Plan truck route analysis (ECORP 2021) in accordance with the requirements of the South Coast Air Quality Management District (SCAQMD) and guidance from the Office of Environmental Health Hazard Assessment (OEHHA) to determine if health risks are likely to occur from the proposed Project. A comparison of the Primary Land Use Plan truck route and Alternative Truck Route can be found in Appendix A of this document. Only the "Primary Land Use Plan" was analyzed in conjunction with the Alternative Truck Route. It can be assumed that there are no significant impacts associated with the "Alternative Land Use Plan" and Alternative Truck Route beyond that of the Primary Land Use Plan and the Alternative Truck Route as emissions associated with the Primary Land Use Plan are generally lower with the Alternative Truck Route than without it. Thus, the Alternative Land Use Plan in conjunction with the Alternative Truck Route would also be lower.

The Project site is located in the western portion of unincorporated Riverside County, more specifically within the Lakeview/ Nuevo community. The Project site is a 582.6-acre property located south of the Ramona Expressway, north of Nuevo Road, east of Foothill Drive, and west of the future extension of Menifee Road. Under existing conditions, the Project site is vacant and undeveloped but has been disturbed in the past by agricultural activities and on-going discing for fire abatement purposes. The site is generally bound by Ramona Expressway with undeveloped land to the north, undeveloped/ agricultural land with residents beyond to the east, Nuevo Road and undeveloped/ agricultural land to the south, and undeveloped/ agricultural land to the west with Lakeside Middle School, Sierra Vista Elementary School and residents beyond. The Project boundary along with the Primary Land Use Plan truck route and Alternative Truck Route are presented in Figure A-1 found in Appendix A of this document.

The Project is proposing two separate land use plans for the Project site. The "Primary Land Use Plan" anticipates that the Project would be constructed with the Alternative Truck Route primary access from the south and would include a mix of light industrial, business park, commercial retail, open space conservation, open space conservation habitat, and major roadways. The "Alternative Land Use Plan" would accommodate the same land uses but anticipates the construction of a regional transportation facility, the "Mid-County Parkway (MCP)," a segment of which, along with an interchange, are planned to traverse the northwestern portions of the Project site. The Riverside County Transportation Commission has not secured or identified funding for the segment of the MCP which traverses the Project area, and therefore the timing of this segment of the MCP and the associated interchange is unknown at this time.

2.0 PROJECT SETTING

2.1 Environmental Setting

Air quality in a region is determined by its topography, meteorology, and existing air pollutant sources. These factors are discussed below, along with the current regulatory structure that applies to the South Coast Air Basin (SoCAB), which encompasses the Project site, pursuant to the regulatory authority of the SCAQMD.

Ambient air quality is commonly characterized by climate conditions, the meteorological influences on air quality, and the quantity and type of pollutants released. The air basin is subject to a combination of topographical and climatic factors that reduce the potential for high levels of regional and local air pollutants. The following section describes the pertinent characteristics of the air basin and provides an overview of the physical conditions affecting pollutant dispersion in the Project area.

2.1.1 South Coast Air Basin

The California Air Resources Board (CARB) divides the state into air basins that share similar meteorological and topographical features. The Project site lies in the SoCAB, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino counties and all of Orange County. The air basin is on a coastal plain with connecting broad valleys and low hills and is bounded by the Pacific Ocean on the southwest, with high mountains forming the remainder of the perimeter (SCAQMD 1993).

Meteorology

The SoCAB is part of a semi-permanent high-pressure zone in the eastern Pacific. As a result, the climate is mild, tempered by cool sea breezes. This usually mild weather pattern is interrupted infrequently by periods of extremely hot weather, winter storms, and Santa Ana winds. The annual average temperature varies little throughout the 6,645-square-mile SoCAB, ranging from the low 60s to the high 80s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas (SCAQMD 1993).

In contrast to a very steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all annual rains fall between November and April. Summer rainfall is normally restricted to widely scattered thundershowers near the coast, with slightly heavier shower activity in the east and over the mountains.

Regional winds in the Perris area are generally out of the north to north west with lighter winds generally from the south. The average annual wind speed is 3.4 miles per hour (mph) and the winds do not vary greatly from year to year. The closest available wind data is located at the Perris monitoring station miles from the Project site. A regional map showing the wind sensor location relative to the Project site and a wind rose are presented in Figures A-2 and A-3 found in Appendix A of this document, respectively.

Inversions

In conjunction with the two characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, two similarly distinct types of temperature inversions control the vertical depth through which pollutants are mixed. These inversions are the marine/subsidence inversion and the radiation inversion. The height of the base of the inversion at any given time is known as the "mixing height." The combination of winds and inversions is a critical determinant leading to highly degraded air quality in the summer and generally good air quality in the winter in San Bernardino County (SCAQMD 1993).

2.1.2 Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. TACs are considered either carcinogenic or noncarcinogenic based on the nature of the health effects associated with exposure to the pollutant. For regulatory purposes, carcinogenic TACs are assumed to have no safe threshold below which health impacts would not occur, and cancer risk is expressed as excess cancer cases per one million exposed individuals. Noncarcinogenic TACs differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur. These levels are determined on a pollutant-by-pollutant basis.

There are many different types of TACs, with varying degrees of toxicity. Sources of TACs include industrial processes such as petroleum refining and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. Additionally, diesel engines emit a complex mixture of air pollutants composed of gaseous and solid material. The solid emissions in diesel exhaust are known as diesel particulate matter (DPM). In 1998, California identified DPM as a TAC based on its potential to cause cancer, premature death, and other health problems (e.g., asthma attacks and other respiratory symptoms). Those most vulnerable are children (whose lungs are still developing) and the elderly (who may have other serious health problems). Overall, diesel engine emissions are responsible for the majority of California's known cancer risk from outdoor air pollutants. Public exposure to TACs can result from emissions from normal operations, as well as from accidental releases of hazardous materials during upset conditions. The health effects of TACs include cancer, birth defects, neurological damage, and death.

Diesel Particulate Matter

DPM is emitted from both mobile and stationary sources. In California, on-road diesel-fueled engines contribute approximately 24 percent of the statewide total, with an additional 71 percent attributed to other mobile sources such as construction and mining equipment, agricultural equipment, and transport refrigeration units. Stationary sources contribute about five percent of total DPM. It should be noted that CARB has developed several plans and programs to reduce diesel emissions such as the Diesel Risk Reduction Plan, the Statewide Portable Equipment Registration Program, and the Diesel Off-Road Reporting System.

Diesel exhaust and many individual substances contained in it (including arsenic, benzene, formaldehyde, and nickel) have the potential to contribute to mutations in cells that can lead to cancer. Long-term exposure to diesel exhaust particles poses the highest cancer risk of any TAC evaluated by OEHHA. CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.

In its comprehensive assessment of diesel exhaust, OEHHA analyzed more than 30 studies of people who worked around diesel equipment including truck drivers, railroad workers, and equipment operators. The studies showed these workers were more likely to develop lung cancer than workers who were not exposed to diesel emissions. These studies provide strong evidence that long-term exposure to diesel exhaust increases the risk of lung cancer. Using information from OEHHA's assessment, CARB estimates that diesel particle levels measured in California's air in 2000 could cause 540 "excess" cancers in a population of one million people over a 70-year lifetime. Other researchers and scientific organizations, including the National Institute for Occupational Safety and Health, have calculated cancer risks from diesel exhaust similar to those developed by OEHHA and CARB.

Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

Diesel engines are a major source of fine-particulate pollution. The elderly and people with emphysema, asthma, and chronic heart and lung disease are especially sensitive to fine-particulate pollution. Numerous studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Because children's lungs and respiratory systems are still developing, they are also more susceptible than healthy adults to fine particles. Exposure to fine particles is associated with increased frequency of childhood illnesses and can also reduce lung function in children. In California, diesel exhaust particles have been identified as a carcinogen.

Construction-related activities would result in temporary, short-term Project-generated emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment for demolition, site preparation (e.g., excavation, grading), and other miscellaneous activities. For construction activity, DPM is the primary TAC of concern.

2.1.3 Sensitive Receptors

Sensitive receptors are defined as facilities or land uses that include members of the population who are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. CARB has identified the following groups of individuals as the most likely to be affected by air pollution: the elderly

over 65, children under 14, athletes, and persons with cardiovascular and chronic respiratory diseases such as asthma, emphysema, and bronchitis.

The nearest existing noise-sensitive land uses to the Project site are Lakeside Middle School and Sierra Vista Elementary School to the west of the northern portion of the site, with a residential development beyond. Lakeside Middle School is located closest to the Project site boundary approximately 2,000 feet (0.4 miles) to the west. It is also noted that while not currently constructed, the approved McCanna Hills development is located directly adjacent to the Project's western boundary. Once built-out, commercial and residential land uses would exist on what is currently vacant land adjacent to the Project's western boundary.

2.2 Regulatory Setting

2.2.1 Federal

Clean Air Act

The Clean Air Act (CAA) of 1970 and the CAA Amendments of 1971 required the USEPA to establish the National Ambient Air Quality Standards (NAAQS), with states retaining the option to adopt more stringent standards or to include other specific pollutants. On April 2, 2007, the Supreme Court found that carbon dioxide (CO₂) is an air pollutant covered by the CAA; however, no NAAQS have been established for CO₂.

These standards are the levels of air quality considered safe, with an adequate margin of safety, to protect the public health and welfare. They are designed to protect those "sensitive receptors" most susceptible to further respiratory distress such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

The USEPA has classified air basins (or portions thereof) as being in attainment, nonattainment, or unclassified for each criteria air pollutant, based on whether or not the NAAQS have been achieved. If an area is designated unclassified, it is because inadequate air quality data were available as a basis for a nonattainment or attainment designation.

2.2.2 State

California Clean Air Act

The California Clean Air Act (CCAA) allows the state to adopt ambient air quality standards and other regulations provided that they are at least as stringent as federal standards. CARB, a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California, including setting the California Ambient Air Quality Standards (CAAQS). CARB also conducts research, compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products (such as hairspray, aerosol paints, and

barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB also has primary responsibility for the development of California's State Implementation Plan (SIP), for which it works closely with the federal government and the local air districts.

California State Implementation Plan

The federal CAA (and its subsequent amendments) requires each state to prepare an air quality control plan referred to as the SIP. The SIP is a living document that is periodically modified to reflect the latest emissions inventories, plans, and rules and regulations of air basins as reported by the agencies with jurisdiction over them. The CAA Amendments dictate that states containing areas violating the NAAQS revise their SIPs to include extra control measures to reduce air pollution. The SIP includes strategies and control measures to attain the NAAQS by deadlines established by the CAA. The USEPA has the responsibility to review all SIPs to determine if they conform to the requirements of the CAA.

State law makes CARB the lead agency for all purposes related to the SIP. Local air districts and other agencies prepare SIP elements and submit them to CARB for review and approval. CARB then forwards SIP revisions to the USEPA for approval and publication in the Federal Register. The *2016 Air Quality Management Plan* (2016 AQMP) is the SIP for the SoCAB. The 2016 AQMP is a regional blueprint for achieving air quality standards and healthful air in the SoCAB and those portions of the Salton Sea Air Basin that are under SCAQMD's jurisdiction. The 2016 AQMP represents a new approach, focusing on available, proven, and cost-effective alternatives to traditional strategies, while seeking to achieve multiple goals in partnership with other entities promoting reductions in GHGs and toxic risk, as well as efficiencies in energy use, transportation, and goods movement. The most effective way to reduce air pollution impacts is to reduce emissions from mobile sources. The AQMP relies on a regional and multi-level partnership of governmental agencies at the federal, state, regional, and local level. These agencies (USEPA, CARB, local governments, Southern California Association of Governments [SCAG] and the SCAQMD) are the primary agencies that implement the AQMP programs. The 2016 AQMP incorporates the latest scientific and technical information and planning assumptions, including SCAG's latest Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. The 2016 AQMP includes integrated strategies and measures to meet the NAAQS.

Currently, the 2022 AQMP is being prepared. The 2022 AQMP will represent a comprehensive analysis of emissions, meteorology, regional air quality modeling, regional growth projections, and the impact of existing and proposed control measures.

2.2.3 Local

South Coast Air Quality Management District

The SCAQMD is the air pollution control agency for Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino counties, including the Project site. The agency's primary responsibility is ensuring that the NAAQS and CAAQS are attained and maintained in the SoCAB. The

SCAQMD is also responsible for adopting and enforcing rules and regulations concerning air pollutant sources, issuing permits for stationary sources of air pollutants, inspecting stationary sources of air pollutants, responding to citizen complaints, monitoring ambient air quality and meteorological conditions, awarding grants to reduce motor vehicle emissions, and conducting public education campaigns, as well as many other activities. All projects are subject to SCAQMD rules and regulations in effect at the time of construction.

The following is a list of noteworthy SCAQMD rules that are required of construction activities associated with the proposed Project:

- **Rule 201 & Rule 203 (Permit to Construct & Permit to Operate)** – Rule 201 requires a “Permit to Construct” prior to the installation of any equipment “the use of which may cause the issuance of air contaminants . . .” and Regulation II provides the requirements for the application for a Permit to Construct. Rule 203 similarly requires a Permit to Operate.
- **Rule 402 (Nuisance)** – This rule prohibits the discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. This rule does not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.
- **Rule 403 (Fugitive Dust)** – This rule requires fugitive dust sources to implement best available control measures for all sources, and all forms of visible PM are prohibited from crossing any property line. This rule is intended to reduce PM₁₀ emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. PM₁₀ suppression techniques are summarized below.
 - a) Portions of a construction site to remain inactive longer than a period of three months will be seeded and watered until grass cover is grown or otherwise stabilized.
 - b) All onsite roads will be paved as soon as feasible or watered periodically or chemically stabilized.
 - c) All material transported offsite will be either sufficiently watered or securely covered to prevent excessive amounts of dust.
 - d) The area disturbed by clearing, grading, earthmoving, or excavation operations will be minimized at all times.
 - e) Where vehicles leave a construction site and enter adjacent public streets, the streets will be swept daily or washed down at the end of the workday to remove soil tracked onto the paved surface.
- **Rule 1401 (New Source Review of Toxic Air Contaminants)** – This rule requires new source review of any new, relocated, or modified permit units that emit TACs. The rule establishes allowable risks for permit units requiring permits pursuant to Rules 201 and 203 discussed above.

2.2.4 Thresholds of Significance

In order to determine whether or not a proposed project would cause a significant effect on the environment, the impact of the project must be determined by examining the types and levels of air toxics generated and the associated impacts on factors that affect air quality. The thresholds for air toxic emissions are as follows.

- **Cancer Risk:** Emit carcinogenic or toxic contaminants that exceed the maximum individual cancer risk of 10 in one million.
- **Non-Cancer Risk:** Emit toxic contaminants that exceed the maximum hazard quotient of one in one million.

Cancer risk is expressed in terms of expected incremental incidence per million population. An incidence rate of 10 persons per million as the maximum acceptable incremental cancer risk due to DPM exposure has been established by the South Coast Air Quality Management District (SCAQMD). This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact. The 10 in one million standard is a very health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of TACs over a specified duration of time. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics. To put this risk in perspective, the risk of dying from accidental drowning is 1,000 in a million, which is 100 times more than the threshold of 10 in one million. The 10 in one million threshold is consistent with the mandates of the AB 2588.

Non-carcinogenic risk parameters for use in HRAs has also been established. Noncarcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). A REL is a concentration at or below which health effects are not likely to occur. A hazard index less of than one (1.0) means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less than significant.

3.0 METHODOLOGY

This HRA evaluates potential health risks associated with the emission of DPM resulting from the construction activities necessary to build the Project. As previously described, CARB estimates that about 70 percent of the cancer risk that the average Californian faces from breathing toxic air pollutants stems from diesel exhaust particles.

3.1 Emissions Calculations

Emission rates were calculated using information provided from the Stoneridge Commerce Center Specific Plan Alternative Truck Access Route Assessment (Traffic Report), CARB and SCAQMD approved models, and travel distances for onsite and offsite mobile sources of DPM. Operational emissions consist of onsite and offsite truck traffic; and onsite truck idling and transport refrigerant units (TRU)s. Construction emissions consist of on and off-site construction activities estimated utilizing CalEEMod and diesel haul

truck activity estimated using the Traffic Report. Construction and operational emission rate calculations are included in Appendix B of this document.

For this Project, annual average PM₁₀ emission factors were generated by running EMFAC 2017 for vehicles in the Basin within Riverside County. EMFAC generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of vehicle speed, temperature, and relative humidity. The model was run for speeds traveled on and within the vicinity of the Project site. The vehicle travel speeds for each segment modeled are summarized below.

- Idling (15 minutes per truck) – onsite loading/unloading; and
- 15 miles per hour – onsite vehicle movement including driving and maneuvering; and
- 35 miles per hour – offsite vehicle movement including driving and maneuvering.

Vehicle DPM emissions were estimated using emission factors for coarse particulate matter less than 10 microns in diameter (PM₁₀) generated with the 2017 version of the EMISSION FACTOR model (EMFAC) developed by CARB. EMFAC 2017 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to project changes in future emissions from on-road mobile sources. The most recent version of this model, EMFAC 2017, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled by speed, and number of starts per day. The most important improvement in EMFAC 2017 is the integration of the new data and methods to estimate emissions from diesel trucks and buses. The model includes the emissions benefits of the truck and bus rule and the previously adopted rules for other on-road diesel equipment. Onsite TRU emission rates were calculated utilizing CARB's Off-road Diesel Emission Factors.

Construction equipment emissions were estimated using emission factors for exhaust fine particulate matter less than 2.5 microns in diameter (PM_{2.5}) and exhaust coarse particulate matter spanning between 2.5 and 10 microns in diameter (PM₁₀) combined, as generated by the CARB-approved CalEEMod, version 2016.3.2. CalEEMod is a statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Haul truck DPM emissions (also conservatively represented by the combined total of PM₁₀ and PM_{2.5} emissions) were estimated using the 2017 version of the EMISSION FACTOR model (EMFAC) developed by CARB. EMFAC 2017 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by CARB to estimate changes in future emissions from on-road mobile sources.

3.2 Dispersion Modeling

The air dispersion modeling for the HRA was performed using the USEPA AERMOD dispersion model (version 19191). AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the

emission sources (not a factor in this case). AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. Surface and upper air meteorological data provided by the SCAQMD for the Perris (237 ½ North D Street, Perris) air quality monitoring station was selected as being the most representative meteorology based on proximity to the Project site (approximately 3.5 miles distant) and the fact that the Perris air quality monitoring station is located in the same SCAQMD Source Receptor Area (SRA). SCAQMD SRAs are categorized based on existing ambient pollutant concentrations and meteorological conditions. The SCAQMD divides the Basin into 38 SRAs to forecast and report air quality. Both the Project site and the Perris air quality monitoring station are located in SCAQMD SRA 24, known as the Perris Valley.

Construction emissions sources in the model include 245 line-volume sources on the Project site each day of construction, which is estimated to span a nine-year period, to represent construction equipment maneuvering around the construction site. Additionally, emissions sources in the model include a line source (comprised of 120 line-volume sources) representing the material haul truck routes utilizing the Alternative Truck Route. Finally, emissions sources in the model include two separate line sources representing offsite construction, one at the southwest corner of the site and extending westward parallel to Nuevo Road, and the other extending from the northwest corner of the site to Evans Road. These line sources representing offsite construction are comprised of 70 line-volume sources combined (see Appendix C). The maximum daily exhaust emissions for all diesel equipment was used to produce an emission rate in terms of grams per second per square meter. Emissions from construction equipment were assigned a release height of 2.5 meters and heavy trucks were assigned a release height of 3.65 meters in order to provide a conservative analysis (i.e., using higher release heights would result in a smaller impact by allowing pollutants to disperse before they affect a receptor).

The model was run to obtain the annual average concentration in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) at nearby sensitive receptors as well as locations where future sensitive receptors are approved for construction. Note that the concentration estimates developed using this methodology is considered conservative and is not a specific prediction of the actual concentrations that would occur as a result of the Project any one point in time. Actual one-hour and annual average concentrations are dependent on many variables, particularly the number and type of equipment working at specific distances during time periods of adverse meteorology.

3.3 Health Risk Calculations

A health risk computation was performed to determine the risk of developing an excess cancer risk as a result of the full span of construction. The chronic and carcinogenic health risk calculations are based on the standardized equations contained in the OEHHA Guidance Manual (2015).

Based on the OEHHA methodology, the residential inhalation cancer risk from the annual average DPM concentrations are calculated by multiplying the daily inhalation or oral dose, by a cancer potency factor, the age sensitivity factor (ASF), the frequency of time spent at home or at work, and the exposure duration divided by averaging time, to yield the excess cancer risk. These factors are discussed in more detail below. Cancer risk must be separately calculated for specified age groups, because of age differences in sensitivity to carcinogens and age differences in intake rates (per kilogram body weight).

Separate risk estimates for these age groups provide a health-protective estimate of cancer risk by accounting for greater susceptibility in early life, including both age-related sensitivity and amount of exposure.

Exposure through inhalation (Dose-air) is a function of the breathing rate, the exposure frequency, and the concentration of a substance in the air. For receptor exposure, the breathing rates are determined for specific age groups, so Dose-air is calculated for each of these age groups, third trimester, 0<2, 2<9, 2<16, 16<30, and 16-70 years. To estimate cancer risk, the dose was estimated by applying the following formula to each ground-level concentration:

$$\text{Dose-air} = (C_{\text{air}} * \{BR/BW\} * A * EF * 10^{-6})$$

Where:

- Dose-air = dose through inhalation (mg/kg/day)
- C_{air} = air concentration ($\mu\text{g}/\text{m}^3$) from air dispersion model
- {BR/BW} = daily breathing rate normalized to body weight (L/kg body weight – day) (225 L/kg BW-day for 3rd Trimester, 658 L/kg BW-day for 0<2 years, 535 L/kg BW-day for 2<9 years, 452 L/kg BW-day for 2<16 years, 210 L/kg BW-day for 16<30 years, and 185 L/kg BW-day 16<70 years)
- A = Inhalation absorption factor (unitless [1])
- EF = exposure frequency (unitless), days/365 days (0.96 [approximately 350 days per year])
- 10^{-6} = conversion factor (micrograms to milligrams, liters to cubic meters)

OEHHA developed ASFs to take into account the increased sensitivity to carcinogens during early-in-life exposure. In the absence of chemical-specific data, OEHHA recommends a default ASF of 10 for the third trimester to age two years, an ASF of 3 for ages two through 15 years to account for potential increased sensitivity to carcinogens during childhood, and an ASF of 1 for ages 16 through 70 years.

Fraction of time at home (FAH) during the day is used to adjust exposure duration and cancer risk from a specific facility's emissions, based on the assumption that exposure to the facility's emissions are not occurring away from home. OEHHA recommends the following FAH values: from the third trimester to age <two years, 85 percent of time is spent at home; from age two through <16 years, 72 percent of time is spent at home; from age 16 years and greater, 73 percent of time is spent at home.

To estimate the cancer risk, the dose is multiplied by the cancer potency factor, the ASF, the exposure duration divided by averaging time, and the frequency of time spent at home (for residents only):

$$\text{Risk}_{\text{inh-res}} = (\text{Dose}_{\text{air}} * \text{CPF} * \text{ASF} * \text{ED}/\text{AT} * \text{FAH})$$

Where:

- $\text{Risk}_{\text{inh-res}}$ = residential inhalation cancer risk (potential chances per million)
- Dose_{air} = daily dose through inhalation (mg/kg-day)
- CPF = inhalation cancer potency factor ($\text{mg}/\text{kg}\text{-day}^{-1}$)
- ASF = age sensitivity factor for a specified age group (unitless)

ED	=	exposure duration (in years) for a specified age group (0.25 years for 3 rd trimester, 2 years for 0<2, 7 years for 2<9, 14 years for 2<16, 14 years for 16<30, 54 years for 16-70)
AT	=	averaging time of lifetime cancer risk (years)
FAH	=	fraction of time spent at home (unitless)

According to OEHHA, if multiple substances are analyzed, the cancer risk from each of the individual substances is summed to give the total cancer risk for the receptor location. Cancer risks from different substances are treated additively in the Hot Spots Program in part because many carcinogens act through the common mechanism of DNA damage. However, this assumption fails to take into account the limited information on substance interactions. However, the overall uncertainty in the cancer potency factors and the variability in the human population is probably far greater than the uncertainty from the assumption of additivity.

Chronic Non-Cancer Hazard

Non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The following equation was used to determine the non-cancer risk:

$$\text{Hazard Quotient} = C_i / \text{REL}_i$$

Where:

C_i	=	Concentration in the air of substance i (annual average concentration in $\mu\text{g}/\text{m}^3$)
REL_i	=	Chronic noncancer Reference Exposure Level for substance i ($\mu\text{g}/\text{m}^3$)

Acute Non-Cancer Hazard

The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population. The calculation of acute non-cancer impacts is similar to the procedure for chronic non-cancer impacts. The equation is as follows:

$$\text{Acute HQ} = \text{Maximum Hourly Air Concentration } (\mu\text{g}/\text{m}^3) / \text{Acute REL } (\mu\text{g}/\text{m}^3)$$

4.0 IMPACT DISCUSSION

The impact analysis provided below is based on the California Environmental Quality Act (CEQA) Guidelines Appendix G thresholds of significance. The significance criteria established by the applicable air quality management or air pollution control district (SCAQMD) may be relied upon to make impact determinations. According to the SCAQMD, an air quality impact is considered significant if the proposed Project would violate any ambient air quality standard, contribute substantially to an existing or projected air quality violation, or expose sensitive receptors to substantial pollutant concentrations. The SCAQMD has established thresholds of significance for air quality for construction and operational activities of land use development projects such as that proposed, as shown in Table 1.

By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size, by itself, to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's individual emissions exceed its identified significance thresholds, the project would be cumulatively considerable. Projects that do not exceed significance thresholds would not be considered cumulatively considerable.

4.1 Construction Impacts

Modeled construction concentrations and associated impacts for the Alternative Truck Route are similar to those previously modeled for the Primary Land Use Plan truck route. Table 4.1 compares the cancer risk between the Primary Land Use Plan and Alternative Truck Route during construction.

Table 4-1. Maximum Construction Cancer Risk in the Project Vicinity

Exposure Scenario	Location	Primary Land Use Plan Cancer Risk (Risk per Million)	Alternative Route Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
Primary and Alternative Route Construction – Point of Maximum Impact	Northwestern Boundary of the Site, Vacant Land Approved for Residential Land Uses	5.12	4.98	10	No
Construction	Lakeside Middle School	1.06	0.95	10	No
Construction	Sierra Vista Elementary School	1.07	0.98	10	No
Construction	Orange Vista High School	0.36	0.37	10	No
Construction	Neighborhoods to Southeast	0.58	0.66	10	No
Construction	Neighborhoods to South	0.56	0.66	10	No
Construction	Neighborhoods to West	0.38	0.44	10	No
Construction	Triple Crown Elementary	0.38	0.12	10	No
Construction	Avalon Elementary	0.48	0.48	10	No
Construction	Neighborhoods to East	0.54	0.66	10	No

Source: ECORP 2020. Refer to Appendices B and C for Model Data Outputs.

As seen in Table 4-1, cancer risk for the Project is below the SCAQMD significance threshold of ten in one million for both the Primary Land Use Plan and the Alternative Truck Route. Modeled health risk for both routes during construction is similar as the risk is primarily driven by onsite activities. The point of maximum impact (PMI) for both routes is between the Project boundary and future residential area directly west of the Project area. As mentioned in the methodology, the Alternative Truck Route (southern

entrance) was modeled to be the route for the construction haul trucks. As expected, the modeled risk for the Alternative Truck Route is slightly higher in the southern area relative to the Primary Land Use Plan truck route and slightly lower in the area north of Project site. See Appendix C of this document for modeled concentration data.

In addition to cancer risk, the significance thresholds for TAC exposure requires an evaluation of non-cancer risk stated in terms of a hazard index. Non-cancer chronic impacts are calculated by dividing the annual average concentration by the Reference Exposure Level (REL) for that substance. The REL is defined as the concentration at which no adverse non-cancer health effects are anticipated. The potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an acute REL. RELs are designed to protect sensitive individuals within the population.

An acute or chronic hazard index of 1.0 is considered individually significant. The hazard index is calculated by dividing the acute or chronic exposure by the reference exposure level. The highest maximum chronic and acute hazard index at nearby sensitive receptors associated with DPM emissions is shown in Table 4-2.

Table 4-2. Maximum Construction Non-Cancer Risk in the Project Vicinity

Exposure Scenario	Location	Chronic Hazard Index	Acute Hazard Index	Significance Threshold (Risk per Million)	Exceeds Significance Threshold?
Primary and Alternative Route Construction – Point of Maximum Impact	Northwestern Boundary of the Site, Vacant Land Approved for Residential Land Uses	0.008	0.220	1	No
Construction	Lakeside Middle School	0.002	0.042	1	No
Construction	Sierra Vista Elementary School	0.002	0.043	1	No
Construction	Orange Vista High School	0.001	0.016	1	No
Construction	Neighborhoods to Southeast	0.029	0.006	1	No
Construction	Neighborhoods to South	0.001	0.029	1	No
Construction	Neighborhoods to West	0.001	0.019	1	No
Construction	Triple Crown Elementary	0.000	0.005	1	No
Construction	Avalon Elementary	0.001	0.021	1	No
Construction	Neighborhoods to East	0.001	0.029	1	No

Source: ECORP 2020. Refer to Appendices B and C for Model Data Outputs.

As shown, impacts related to non-cancer risk (chronic and acute hazard index) would not surpass significance thresholds at the nearest existing residences, planned residences or nearest schools.

4.2 Operational Impacts

The modeled operational health risk for the Alternative Truck Route is similar to the previously modeled health risk for the Project using the primary truck route. Table 4-3 compares the cancer risks between the primary and Alternative Truck Routes at representative locations for 9, 30 and 70-year operational scenarios.

Table 4-3. Maximum Operational Cancer Risk at the Project Vicinity

Exposure Scenario	Primary Land Use Plan Route Maximum Cancer Risk (Risk per Million)	Alternative Route Maximum Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds SCAQMD Significance Threshold?
Highest Concentration Planned McCanna Hills Development to West (Residences and/or Open Space)				
70-Year Exposure	9.81	8.94	10	No
30-Year Exposure	8.86	8.08	10	No
9-Year Exposure	6.33	5.77	10	No
Planned Future Residences to the Northwest (McCanna Hills Development)				
70-Year Exposure	5.28	4.45	10	No
30-Year Exposure	4.77	4.02	10	No
9-Year Exposure	3.41	2.87	10	No
Lakeside Middle School				
9-Year Exposure	2.43	0.93	10	No
Sierra Vista Elementary School				
9-Year Exposure	0.97	0.83	10	No
Residences on Rider Street				
70-Year Exposure	1.51	1.21	10	No
30-Year Exposure	1.36	1.09	10	No
9-Year Exposure	0.97	0.78	10	No
Residences on Whieldon Drive				
70-Year Exposure	0.75	0.83	10	No
30-Year Exposure	0.68	0.75	10	No
9-Year Exposure	0.49	0.54	10	No
Residences on Reisling Drive				

Exposure Scenario	Primary Land Use Plan Route Maximum Cancer Risk (Risk per Million)	Alternative Route Maximum Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds SCAQMD Significance Threshold?
70-Year Exposure	3.02	0.38	10	No
30-Year Exposure	2.73	0.34	10	No
9-Year Exposure	1.95	0.24	10	No
Avalon Elementary				
9-Year Exposure	0.49	0.49	10	No
Residences on Walnut Street				
70-Year Exposure	0.75	0.60	10	No
30-Year Exposure	0.68	0.55	10	No
9-Year Exposure	0.49	0.39	10	No
Residences on Placentia Avenue				
70-Year Exposure	0.75	0.53	10	No
30-Year Exposure	0.68	0.48	10	No
9-Year Exposure	0.49	0.34	10	No
Residences on Foothill Drive				
70-Year Exposure	0.75	0.98	10	No
30-Year Exposure	0.68	0.89	10	No
9-Year Exposure	0.49	0.63	10	No
Residences on Reservoir Drive				
70-Year Exposure	0.75	0.23	10	No
30-Year Exposure	0.68	0.20	10	No
9-Year Exposure	0.49	0.15	10	No
Residences on 12th Street				
70-Year Exposure	0.75	0.60	10	No
30-Year Exposure	0.68	0.55	10	No
9-Year Exposure	0.49	0.39	10	No
Nuview Elementary School				
9-Year Exposure	0.49	0.15	10	No

Exposure Scenario	Primary Land Use Plan Route Maximum Cancer Risk (Risk per Million)	Alternative Route Maximum Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds SCAQMD Significance Threshold?
Residences on Jack Circle				
70-Year Exposure	0.75	0.23	10	No
30-Year Exposure	0.68	0.20	10	No
9-Year Exposure	0.49	0.15	10	No
Mountain Shadows Middle School				
9-Year Exposure	0.00	0.15	10	No
Planned Residences to Northeast				
70-Year Exposure	1.51	1.36	10	No
30-Year Exposure	1.36	1.23	10	No
9-Year Exposure	0.97	0.88	10	No
Orange View High School ¹				
9-Year Exposure	--	0.39	10	No
E Nuevo Rd and Dunlap Dr ¹				
70-Year Exposure	--	4.53	10	No
30-Year Exposure	--	4.09	10	No
9-Year Exposure	--	2.92	10	No

Source: Refer to Appendices B and C for Model Data Outputs.

Notes: The elementary schools are only analyzed for nine years of exposure as students are not expected to attend school beyond those years.

¹Not analyzed for initial report. Analyzed for Alternative Truck Route per proximity to alternative route.

As seen in Table 4-3, cancer risk for the Project operation is below the SCAQMD significance threshold of ten in one million for both Primary Land Use Plan truck route and Alternative Truck Route. The PMI for both routes is in the future residential area directly west of the Project area. As mentioned in the methodology, the Alternative Truck Route (southern entrance) was modeled to be the route that all diesel trucks used to access the Project facility. As expected, the modeled risk for the Alternative Truck Route is slightly higher in the southern area relative to the Primary Land Use Plan and slightly lower in the area north of Project site.

In addition to cancer risk, the significance thresholds for TAC exposure requires an evaluation of non-cancer risk stated in terms of a hazard index. As previously described, non-cancer chronic impacts are calculated by dividing the annual average concentration by the REL for that substance and the potential for acute non-cancer hazards is evaluated by comparing the maximum short-term exposure level to an

acute REL. RELs are designed to protect sensitive individuals within the population. An acute or chronic hazard index of 1.0 is considered individually significant. The highest maximum chronic and acute hazard index at nearby sensitive receptors is shown in Table 4-4.

Table 4-4. Maximum Operational Non-Cancer Risk at the Project Vicinity

Exposure Scenario	Alternative Route Maximum Non-Cancer Hazard	Significance Threshold (Risk per Million)	Exceeds SCAQMD Significance Threshold?
Highest Concentration Planned McCanna Hills Development to West (Residences and/or Open Space)			
Chronic Hazard Index	0.002	1	No
Acute Hazard Index	0.062	1	No
Planned Future Residences to the Northwest (McCanna Hills Development)			
Chronic Hazard Index	0.001	1	No
Acute Hazard Index	0.031	1	No
Lakeside Middle School			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.010	1	
Sierra Vista Elementary School			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.009	1	
Residences on Rider Street			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.008	1	No
Residences on Whieldon Drive			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.006	1	No
Residences on Reisling Drive			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.003	1	No
Avalon Elementary			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.005	1	

Exposure Scenario	Alternative Route Maximum Non-Cancer Hazard	Significance Threshold (Risk per Million)	Exceeds SCAQMD Significance Threshold?
Residences on Walnut Street			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.004	1	No
Residences on Placentia Avenue			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.004	1	No
Residences on Foothill Drive			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.007	1	No
Residences on Reservoir Drive			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.002	1	No
Residences on 12th Street			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.004	1	No
Nuview Elementary School			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.002		
Residences on Jack Circle			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.002	1	No
Mountain Shadows Middle School			
Chronic Hazard Index	0.000	1	No
Acute Hazard Index	0.001		
Planned Residences to Northeast			
Chronic Hazard Index	0.001	1	No
Acute Hazard Index	0.009	1	No

Exposure Scenario	Alternative Route Maximum Non-Cancer Hazard	Significance Threshold (Risk per Million)	Exceeds SCAQMD Significance Threshold?
Orange View High School			
Chronic Hazard Index	0.001	<i>1</i>	No
Acute Hazard Index	0.032		
E Nuevo Rd and Dunlap Dr			
Chronic Hazard Index	0.000	<i>1</i>	No
Acute Hazard Index	0.004	<i>1</i>	No

Source: Refer to Appendices B and C for Model Data Outputs.

Notes: The elementary schools are only analyzed for nine years of exposure as students are not expected to attend school beyond those years.

As shown, impacts related to non-cancer risk (chronic and acute hazard index) would not surpass significance thresholds at the nearest existing residences, planned residences or nearest schools.

5.0 REFERENCES

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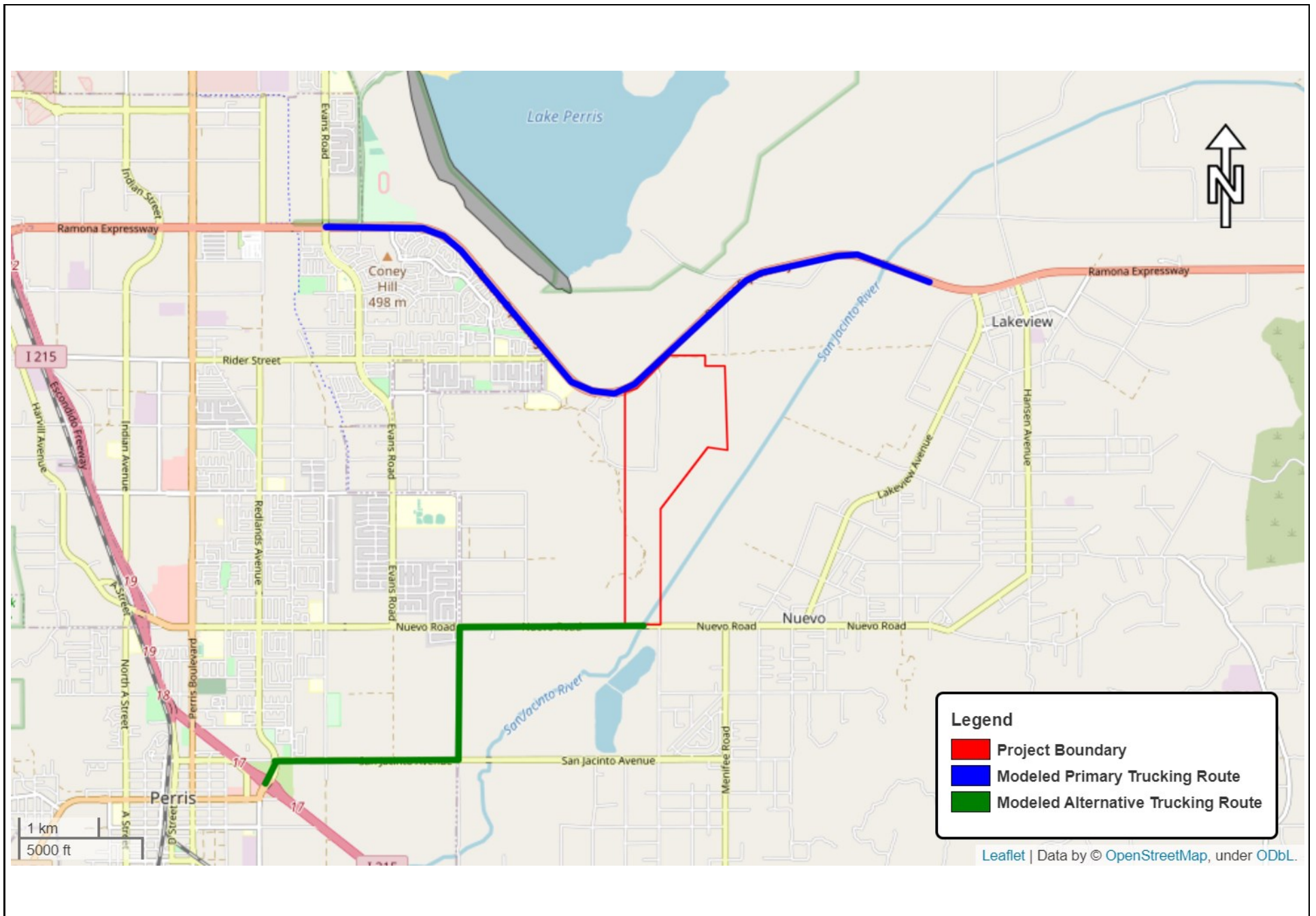
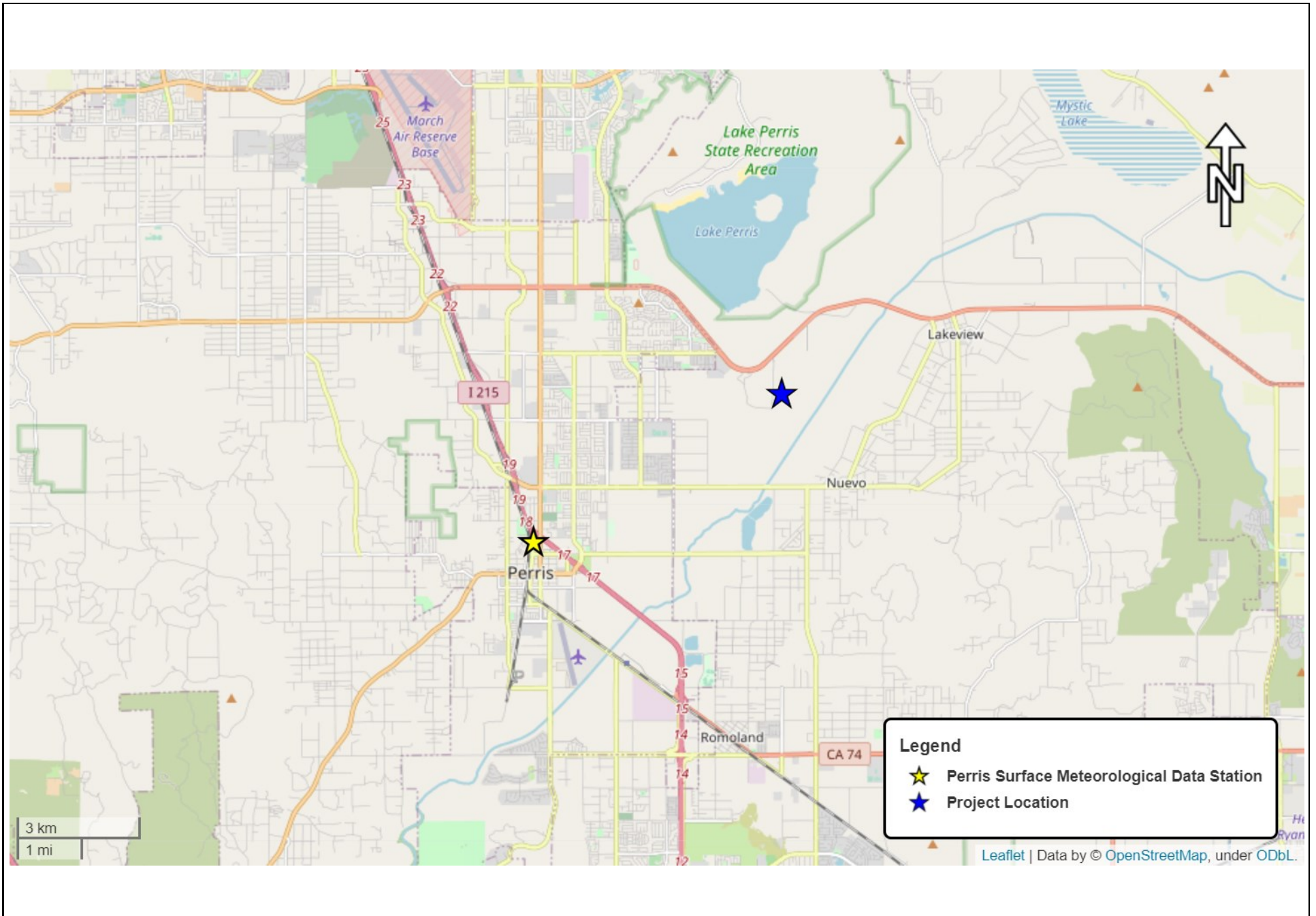
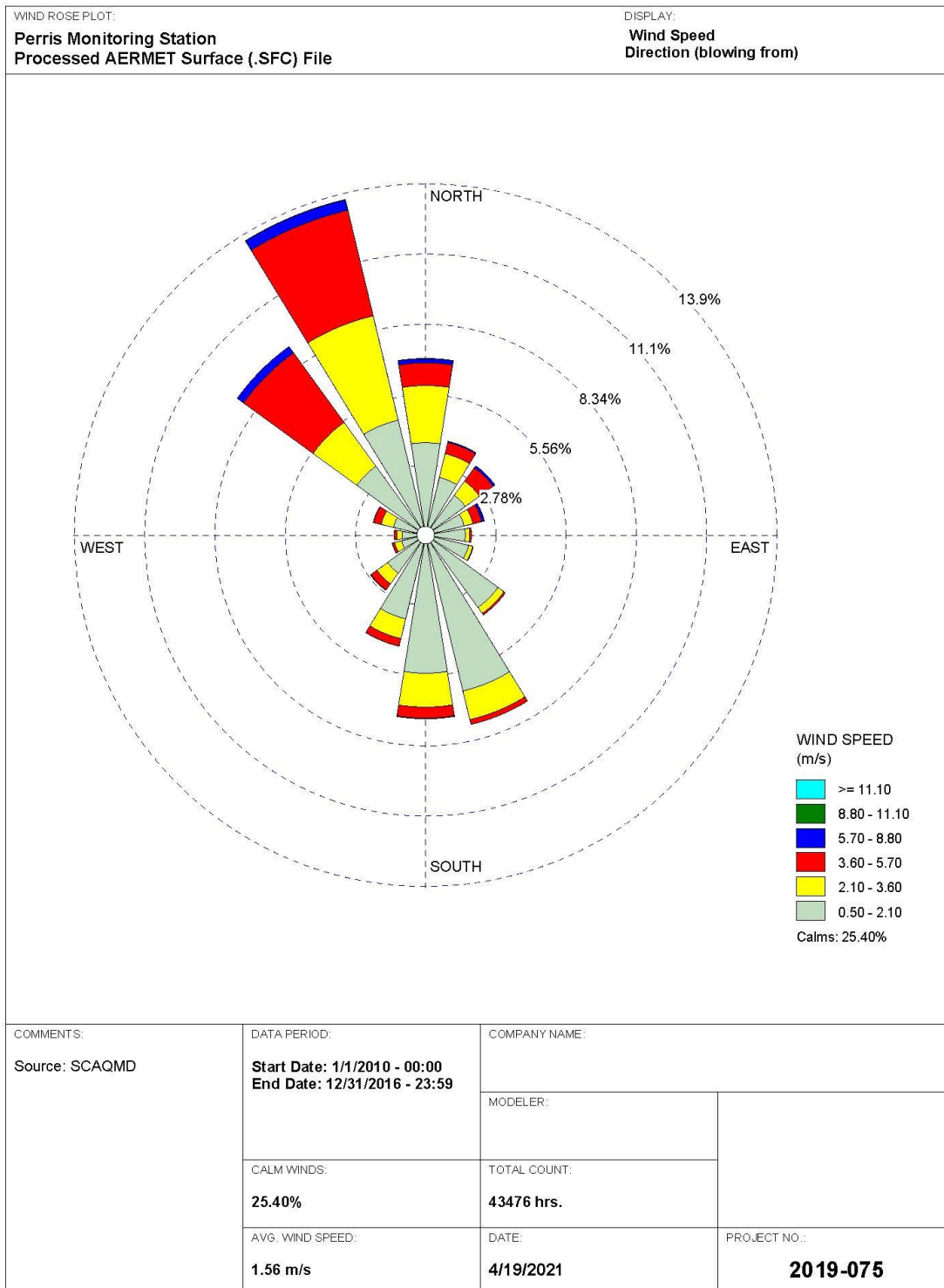


Figure A-1. Modeled Trucking Routes

2019-075 Stoneridge Alternative Truck Route





WRPLOT View - Lakes Environmental Software

Figure A-3. Perris Wind Rose

2019-075-Stoneridge Alternative Truck Route

Construction Emissions Calculations

Reserve at Chino Hills
DPM Emission Rates
Construction

Stoneridge Commerce Center Specific Plan - Construction
Emissions Calculations

Emissions

On-Site	g/day	g/sec
On-Site Project Construction Activities	7.00E+02	8.10E-03

Emissions

Off-Site	g/day	g/sec
On-Site Equipment	g/day	g/sec
Off-Site Project Haul Trucks	5.57E+00	6.45E-05

Emissions

Off-Site	g/day	g/sec
Off-Site Project Infrastructure	9.47E+00	1.10E-04

Sources:

DPM Emission Factors for On-Site Construction Activities are derived from CalEEMod v. 2016.3.2 and include the combined Exhaust PM10 and Exhaust PM2.5 emissions
DPM Emission Factors for Off-Site Construction Haul Trucks are derived from EMFAC2017 and include the combined Exhaust PM10 and Exhaust PM2.5 emissions

Notations

		Annual On-Site									
		2021	2022	2023	2024	2025	2026	2027	2028	2029	
Construction		0.51	0.81	0.69	0.44	0.50	0.50	0.50	0.50	0.43	
											Total months
Months		5	12	12	9	12	12	12	12	11	97
Percentage		5%	12%	12%	9%	12%	12%	12%	12%	11%	100%
Weighted Total		0.0263	0.1002	0.0854	0.0408	0.0619	0.0619	0.0619	0.0619	0.0488	0.5489

Days 2134
Hrs/Day 8
Total Seconds 61,459,200

Ton/Year: 0.5489
Gram/Sec 0.008102 onsite equipment

		Annual Off-Site Haul Trucks									
		2021	2022	2023	2024	2025	2026	2027	2028	2029	
Construction Haul Trucks		0.008	0.016	0.016	0.000	0.000	0.000	0.000	0.000	0.000	
											Total months
Months		5	12	12	9	12	12	12	12	11	97
Percentage		5%	12%	12%	9%	12%	12%	12%	12%	11%	100%
Weighted Total		0.0004	0.0020	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0044

Days 2134
Hrs/Day 8
Total Seconds 61,459,200

Ton/Year: 0.0044
Gram/Sec 0.000065 haul trucks

		Annual Off-Site Infrastructure									
		2021	2022	2023	2024	2025	2026	2027	2028	2029	
Construction Haul Trucks		0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.000	0.000	
											Total months
Months		5	12	12	9	12	12	12	12	11	97
Percentage		5%	12%	12%	9%	12%	12%	12%	12%	11%	100%
Weighted Total		0.0000	0.0000	0.0000	0.0074	0.0000	0.0000	0.0000	0.0000	0.0000	0.0074

Days 2134
Hrs/Day 8
Total Seconds 61,459,200

Ton/Year: 0.0074
Gram/Sec 0.000110 infrastructure installation equipment

**Cancer Risk Calculations at Highest Pollutant Concentration
Northwest Boundary of Site - Future McCanna SP**

Risk Calculations

Annual Avg Concentration: 0.042

Cancer Risk

DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
	1.0412E-05	3.14378E-05	2.4833E-05	2.14873E-05	9.66207E-06	8.36418E-06
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.11259E-07	2.93943E-06	1.93867E-06	2.11509E-06	3.214295E-07	2.78252E-07

Cancer Risk:	Risk	in one million
	9-year exposure	4.99E-06

10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0418	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10	Age Sensitivity Factor	
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85	Fraction of time spent at home (unitless)	
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = 8.36E-03

C_i 4.18E-02 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 2.20E-01

Max Hourly 4.18E-02

Acute REL (Acrolein) 0.19

**Cancer Risk Calculations at
Lakeside Middle School**

Risk Calculations

Annual Avg Concentration: 0.008

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	1.99272E-06	6.01680E-06	4.75272E-06	4.1124E-06	1.8492E-06	1.6008E-06
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	2.12936E-08	5.62571E-07	3.71038E-07	4.04801E-07	6.151760E-08	5.3254E-08

Cancer Risk:	Risk	in one million
	9-year exposure	0.95

10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.008	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10	Age Sensitivity Factor	
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85	Fraction of time spent at home (unitless)	
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = 1.60E-03

C_i 8.00E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 4.21E-02

Max Hourly 8.00E-03

Acute REL (Acrolein) 0.19

Cancer Risk Calculations at Sierra Vista Elementary School

Risk Calculations

Annual Avg Concentration: 0.008

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	2.04254E-06	6.16722E-06	4.87154E-06	4.21521E-06	1.89543E-06	1.64082E-06
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	2.1826E-08	5.76635E-07	3.80314E-07	4.14921E-07	6.305554E-08	5.45854E-08

Cancer Risk:	Risk	in one million
	9-year exposure	0.98

10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0082	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10	Age Sensitivity Factor	
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85	Fraction of time spent at home (unitless)	
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = 1.64E-03

C_i 8.20E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 4.32E-02

Max Hourly 8.20E-03

Acute REL (Acrolein) 0.19

**Cancer Risk Calculations at
Neighborhoods to the Southwest**

Risk Calculations

Annual Avg Concentration: 0.006

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	1.37E-06	4.13655E-06	3.2675E-06	2.82728E-06	1.27133E-06	1.10055E-06
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.46394E-08	3.86767E-07	2.55089E-07	2.78301E-07	4.229335E-08	3.66122E-08

361 1090 861 745 335 290

Cancer Risk:	Risk in one million	
	9-year exposure	0.66

10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0055	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = 1.10E-03

C_i 5.50E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 2.89E-02

Max Hourly 5.50E-03

Acute REL (Acrolein) 0.19

**Cancer Risk Calculations at
Neighborhoods to the Southeast**

Risk Calculations

Annual Avg Concentration: 0.0055

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	1.37E-06	4.13655E-06	3.2675E-06	2.82728E-06	1.27133E-06	1.10055E-06
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.46394E-08	3.86767E-07	2.55089E-07	2.78301E-07	4.229335E-08	3.66122E-08

Cancer Risk:	Risk	in one million
	9-year exposure	0.66

10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0055	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10	Age Sensitivity Factor	
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85	Fraction of time spent at home (unitless)	
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **1.10E-03**

C_i 5.50E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **2.89E-02**

Max Hourly 5.50E-03

Acute REL (Acrolein) 0.19

**Cancer Risk Calculations at
Neighborhoods to the South**

Risk Calculations

Annual Avg Concentration: 0.0055

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	1.37E-06	4.13655E-06	3.2675E-06	2.82728E-06	1.27133E-06	1.10055E-06
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.46394E-08	3.86767E-07	2.55089E-07	2.78301E-07	4.229335E-08	3.66122E-08

361 1090 861 745 335 290

Cancer Risk:	Risk in one million	
	9-year exposure	0.66
	6.56E-07	10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0055	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = 1.10E-03

C_i 5.50E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 2.89E-02

Max Hourly 5.50E-03

Acute REL (Acrolein) 0.19

**Cancer Risk Calculations at
Neighborhoods to the West**

Risk Calculations

Annual Avg Concentration: 0.0037

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	9.21633E-07	2.78277E-06	2.19813E-06	1.90199E-06	8.55255E-07	7.4037E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	9.84831E-09	2.60189E-07	1.71605E-07	1.87221E-07	2.845189E-08	2.463E-08

Cancer Risk:	Risk	in one million
	9-year exposure	0.44

10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0037	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10	Age Sensitivity Factor	
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85	Fraction of time spent at home (unitless)	
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **7.40E-04**

C_i 3.70E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **1.95E-02**

Max Hourly 3.70E-03

Acute REL (Acrolein) 0.19

Cancer Risk Calculations at Triple Crown Elementary

Risk Calculations

Annual Avg Concentration: 0.001

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	2.4909E-07	7.52100E-07	5.9409E-07	5.1405E-07	2.3115E-07	2.001E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	2.6617E-09	7.03214E-08	4.63798E-08	5.06001E-08	7.689700E-09	6.65676E-09

Cancer Risk:	Risk	in one million
	9-year exposure	1.19E-07

10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.001	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10	Age Sensitivity Factor	
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85	Fraction of time spent at home (unitless)	
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = 2.00E-04

C_i 1.00E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 5.26E-03

Max Hourly 1.00E-03

Acute REL (Acrolein) 0.19

Cancer Risk Calculations at Orange Vista High School

Risk Calculations

Annual Avg Concentration: 0.003

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	7.72179E-07	2.33151E-06	1.84168E-06	1.59356E-06	7.16565E-07	6.2031E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	8.25128E-09	2.17996E-07	1.43777E-07	1.5686E-07	2.383807E-08	2.06359E-08

Cancer Risk:	Risk	in one million
	9-year exposure	0.37

10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0031	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10	Age Sensitivity Factor	
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85	Fraction of time spent at home (unitless)	
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **6.20E-04**

C_i 3.10E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **1.63E-02**

Max Hourly 3.10E-03

Acute REL (Acrolein) 0.19

Cancer Risk Calculations at Avalon Elementary School

Risk Calculations

Annual Avg Concentration: 0.004

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	9.9636E-07	3.00840E-06	2.37636E-06	2.0562E-06	9.246E-07	8.004E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.06468E-08	2.81285E-07	1.85519E-07	2.02401E-07	3.075880E-08	2.6627E-08

Cancer Risk:	Risk	in one million
	9-year exposure	0.48

10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.004	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10	Age Sensitivity Factor	
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85	Fraction of time spent at home (unitless)	
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **8.00E-04**

C_i 4.00E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **2.11E-02**

Max Hourly 4.00E-03

Acute REL (Acrolein) 0.19

Cancer Risk Calculuations at Neighborhoods to the East

Risk Calculations

Annual Avg Concentration: 0.0055

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	1.37E-06	4.13655E-06	3.2675E-06	2.82728E-06	1.27133E-06	1.10055E-06
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.46394E-08	3.86767E-07	2.55089E-07	2.78301E-07	4.229335E-08	3.66122E-08

Cancer Risk:	Risk	in one million
	9-year exposure	0.66

10 in one million

Threshold:	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	290		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0055	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.69	days/year	Exposure frequency (days/year) - 255 days of construction (factoring weekends & six major holidays)
ED	ED (3rd trimester)	0.08	years	Exposure duration (years) - Adjusted to reflect 8 hour work day
	ED (0 < 2 years)	0.7		
	ED (2 < 9 years)	2.3		
	ED (2 < 16, 16 < 30 years)	2.9		
	ED (16 - 70 years)	2.9		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10	Age Sensitivity Factor	
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85	Fraction of time spent at home (unitless)	
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **1.10E-03**

C_i 5.50E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **2.89E-02**

Max Hourly 5.50E-03

Acute REL (Acrolein) 0.19

Operation Emissions Calculations

**Stoneridge Commerce Center
DPM Emission Rates
Operations
Primary Land Use Plan**

**Stoneridge Commerce Center Specific Plan - Alternative Truck Route
DPM Emissions Calculations**

Primary Land Use Plan						
	Avg Speed (mph)	Emission Factor (g/mi)	Daily Truck Trips (round trips)	length (mi)	g/day	g/sec
On-Site Truck Movement						
Project Trucks	15	0.004752	3916	1.4	2.61E+01	3.02E-04

	Avg Speed (mph)	Emission Factor (g/mi)	Daily Truck Trips (round trips)	length (mi)	g/day	g/sec
Off-Site Truck Movement - West on E Nuevo Rd						
Project Trucks	35	0.003666	3916	3.5	5.02E+01	5.82E-04

	Avg Speed (mph)	Emission Factor (g/mi)	Daily Truck Trips (round trips)	length (mi)	g/day	g/sec
Off-Site Truck Movement - South on Dunlap Dr						
Project Trucks	35	0.003666	3916	1.1	1.58E+01	1.83E-04

	Avg Speed (mph)	Emission Factor (g/mi)	Daily Truck Trips (round trips)	length (mi)	g/day	g/sec
Off-Site Truck Movement - West on San Jacinto Ave						
Project Trucks	35	0.003666	3916	1.0	1.44E+01	1.66E-04

	Emission Factor (g/veh/day)	Idling Time (min)	Idling Time (hrs/day)	Daily Trucks	Release Height Above Ground (m)	g/day	g/sec
On-Site Truck Idle Emissions							
Project Trucks	0.012647	15	1.04E-02	1958	3.65	2.58E-01	2.99E-06

	Emission Factor (g/veh/day)	Idling Time (min)	Idling Time (hrs/day)	Daily Trucks	Release Height Above Ground (m)	g/day	g/sec
On-Site TRU Emissions							
Project Trucks	0.2805	15	1.04E-02	630	3.65	1.84E+00	2.13E-05

Sources:

EMFAC2017. PM10 Emission Factors are derived from the Year 2030 Heavy-Duty Truck Fleet Mix and represent the weighted average of heavy-heavy duty trucks and medium-heavy duty trucks

TRU Emission Factors are derived from CARB's "Off-road Diesel Emission Factors"

Health Risk Calculations at Planned McCanna Hills Development

Annual Avg Concentration: 0.012

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	4.10205E-06	1.23857E-05	9.78E-06	8.47E-06	3.80661E-06	2.375E-06
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.36979E-07	3.30875E-06	2.32E-06	4.02E-06	6.113415E-07	1.471E-06

	Risk in one million	
Cancer Risk:	70-year exposure	8.94E-06 8.94
	30-year exposure	8.08E-06 8.08
	9-year exposure	5.77E-06 5.77

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.01185	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **2.37E-03**

C_i 1.19E-02 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **6.24E-02**

Max Hourly 1.19E-02

Acute REL (Acrolein) 0.19

Health Risk Calculations at Future McCanna Hills Residences

Annual Avg Concentration: 0.006

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	2.04237E-06	6.16671E-06	4.87E-06	4.21E-06	1.89527E-06	1.182E-06
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	6.82006E-08	1.64739E-06	1.16E-06	2E-06	3.043810E-07	7.325E-07

	Risk	in one million
Cancer Risk:	70-year exposure	4.45E-06 4.45
	30-year exposure	4.02E-06 4.02
	9-year exposure	2.87E-06 2.87

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0059	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 years)	10	Age Sensitivity Factor	
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 years)	0.85	Fraction of time spent at home (unitless)	
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **1.18E-03**

C_i 5.90E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **3.11E-02**

Max Hourly 5.90E-03

Acute REL (Acrolein) 0.19

Health Risk Calculations at Lakeside Middle School

Risk Calculations

Annual Avg Concentration: 0.002

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	6.57712E-07	1.98589E-06	1.57E-06	1.36E-06	6.10342E-07	3.80781E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	2.19629E-08	5.30516E-07	3.73E-07	6.45E-07	9.802100E-08	2.35877E-07

	Risk in one million	
Cancer Risk	9-year exposure	9.25E-07
Threshold:		10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0019	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = 3.80E-04

C_i 1.90E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 1.00E-02

Max Hourly 1.90E-03

Acute REL (Acrolein) 0.19

Health Risk Calculations at Sierra Vista Elementary

Risk Calculations

Annual Avg Concentration: 0.002

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	5.88479E-07	1.77685E-06	1.4E-06	1.21E-06	5.46096E-07	3.407E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.9651E-08	4.74673E-07	3.33E-07	5.77E-07	8.770300E-08	2.1105E-07

	Risk in one million	
Cancer Risk:	9-year exposure	8.28E-07
Threshold:		10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0017	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = 3.40E-04

C_i 1.70E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 8.95E-03

Max Hourly 1.70E-03

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Residences on Rider Street

Risk Calculations

1 Hour Avg Concentration: 0.031
 24 Hour Avg Concentration: 0.011
 Annual Avg Concentration: 0.002

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	5.53863E-07	1.67233E-06	1.32E-06	1.143E-06	5.13973E-07	3.207E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.84951E-08	4.46751E-07	3.14E-07	5.432E-07	8.254400E-08	1.986E-07

Cancer Risk:		Risk	in one million
	70-year exposure	1.21E-06	1.21
	30-year exposure	1.09E-06	1.09
	9-year exposure	7.79E-07	0.78
Threshold:		10 in one million	

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0016	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 ye	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **3.20E-04**

C_i 1.60E-03 Concentration (annual average)
 REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **8.42E-03**

Max Hourly 1.60E-03
 Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Residences on Whieldon Drive

Risk Calculations

Annual Avg Concentration: 0.001

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	3.80781E-07	1.14973E-06	9.08E-07	7.86E-07	3.53356E-07	2.205E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.27154E-08	3.07141E-07	2.16E-07	3.73E-07	5.674900E-08	1.366E-07

	Risk	in one million
Cancer Risk: 70-year exposure	8.30E-07	0.83
30-year exposure	7.50E-07	0.75
9-year exposure	5.36E-07	0.54

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0011	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **2.20E-04**

C_i 1.10E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **5.79E-03**

Max Hourly 1.10E-03

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Residences on Reisling Drive

Risk Calculations

Annual Avg Concentration: 0.0005

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	1.73082E-07	5.22603E-07	4.13E-07	3.5719E-07	1.60616E-07	1.0021E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	5.77971E-09	1.3961E-07	9.81E-08	1.6974E-07	2.579500E-08	6.2073E-08

	Risk	in one million
Cancer Risk:	70-year exposure	3.77E-07 0.38
	30-year exposure	3.41E-07 0.34
	9-year exposure	2.43E-07 0.24
Threshold:		10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0005	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **1.00E-04**

C_i 5.00E-04 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **2.63E-03**

Max Hourly 5.00E-04

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Avalon Elementary

Risk Calculations

Annual Avg Concentration: 0.001

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	3.46164E-07	1.04521E-06	8.26E-07	7.1438E-07	3.21233E-07	2.0041E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.15594E-08	2.79219E-07	1.96E-07	3.3948E-07	5.159000E-08	1.2415E-07

	Risk in one million	
Cancer Risk:	9-year exposure	4.87E-07
Threshold:		10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.001	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **2.00E-04**

C_i 1.00E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **5.26E-03**

Max Hourly 1.00E-03

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Residences on Walnut Street

Risk Calculations

Annual Avg Concentration: 0.0008

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	2.76932E-07	8.36164E-07	6.6E-07	5.71507E-07	2.56986E-07	1.6033E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	9.24753E-09	2.23375E-07	1.57E-07	2.7158E-07	4.127200E-08	9.9317E-08

	Risk	in one million
Cancer Risk: 70-year exposure	6.04E-07	0.60
30-year exposure	5.45E-07	0.55
9-year exposure	3.90E-07	0.39

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0008	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **1.60E-04**

C_i 8.00E-04 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **4.21E-03**

Max Hourly 8.00E-04

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Residences on Placentia Avenue

Risk Calculations

Annual Avg Concentration: 0.001

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	2.42315E-07	7.31644E-07	5.78E-07	5.0007E-07	2.24863E-07	1.403E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	8.09159E-09	1.95453E-07	1.37E-07	2.3763E-07	3.611300E-08	8.69E-08

	Risk	in one million
Cancer Risk:	70-year exposure	5.28E-07 0.53
	30-year exposure	4.77E-07 0.48
	9-year exposure	3.41E-07 0.34

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0007	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **1.40E-04**

C_i 7.00E-04 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **3.68E-03**

Max Hourly 7.00E-04

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Residences on Foothill Drive

Risk Calculations

Annual Avg Concentration: 0.0013

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	4.50014E-07	1.35877E-06	1.07E-06	9.287E-07	4.17603E-07	2.6053E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	1.50272E-08	3.62985E-07	2.55E-07	4.4132E-07	6.706700E-08	1.6139E-07

	Risk	in one million
Cancer Risk:	70-year exposure	9.81E-07 0.98
	30-year exposure	8.86E-07 0.89
	9-year exposure	6.33E-07 0.63

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0013	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **2.60E-04**

C_i 1.30E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **6.84E-03**

Max Hourly 1.30E-03

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Residences on Reservoir Street

Risk Calculations

Annual Avg Concentration: 0.0003

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	1.03849E-07	3.13562E-07	2.48E-07	2.1432E-07	9.63699E-08	6.0123E-08
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	3.46783E-09	8.37658E-08	5.88E-08	1.0184E-07	1.547700E-08	3.7244E-08

	Risk	in one million
Cancer Risk:	70-year exposure	2.26E-07 0.23
	30-year exposure	2.05E-07 0.20
	9-year exposure	1.46E-07 0.15

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0003	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **6.00E-05**

C_i 3.00E-04 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **1.58E-03**

Max Hourly 3.00E-04

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Residences on 12th Street

Risk Calculations

Annual Avg Concentration: 0.0008

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	2.76932E-07	8.36164E-07	6.6E-07	5.7151E-07	2.56986E-07	1.6033E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	9.24753E-09	2.23375E-07	1.57E-07	2.7158E-07	4.127200E-08	9.9317E-08

	Risk	in one million
Cancer Risk:	70-year exposure	6.04E-07 0.60
	30-year exposure	5.45E-07 0.55
	9-year exposure	3.90E-07 0.39

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0008	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **1.60E-04**

C_i 8.00E-04 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **4.21E-03**

Max Hourly 8.00E-04

Acute REL (Acrolein) 0.19

Cancer Risk Calculations at Nuview Elementary School

Risk Calculations

Annual Avg Concentration: 0.000

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	1.03849E-07	3.13562E-07	2.48E-07	2.1432E-07	9.63699E-08	6.0123E-08
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	3.46783E-09	8.37658E-08	5.88E-08	1.0184E-07	1.547700E-08	3.7244E-08

	Risk in one million	
Cancer Risk:	9-year exposure	0.15
Threshold:		10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0003	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = 6.00E-05

C_i 3.00E-04 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 1.58E-03

Max Hourly 3.00E-04

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Residences on Jack Circle

Risk Calculations

Annual Avg Concentration: 0.0003

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	1.03849E-07	3.13562E-07	2.48E-07	2.1432E-07	9.63699E-08	6.0123E-08
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	3.46783E-09	8.37658E-08	5.88E-08	1.0184E-07	1.547700E-08	3.7244E-08

	Risk	in one million
Cancer Risk:	70-year exposure	2.26E-07 0.23
	30-year exposure	2.05E-07 0.20
	9-year exposure	1.46E-07 0.15

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0003	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **6.00E-05**

C_i 3.00E-04 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **1.58E-03**

Max Hourly 3.00E-04

Acute REL (Acrolein) 0.19

Cancer Risk Calculations at Mt. Shadows Middle School

Risk Calculations

Annual Avg Concentration: 0.0003

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	1.03849E-07	3.13562E-07	2.48E-07	2.1432E-07	9.63699E-08	6.0123E-08
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	3.46783E-09	8.37658E-08	5.88E-08	1.0184E-07	1.547700E-08	3.7244E-08

	Risk in one million	
Cancer Risk:	9-year exposure	0.15
Threshold:		10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0003	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **6.00E-05**

C_i 3.00E-04 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **1.58E-03**

Max Hourly 3.00E-04

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Planned Future Residences to Northeast

Risk Calculations

Annual Avg Concentration: 0.0018

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	6.23096E-07	1.88137E-06	1.49E-06	1.2859E-06	5.78219E-07	3.6074E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	2.0807E-08	5.02595E-07	3.53E-07	6.1106E-07	9.286200E-08	2.2346E-07

	Risk	in one million
Cancer Risk:	70-year exposure	1.36E-06 1.36
	30-year exposure	1.23E-06 1.23
	9-year exposure	8.77E-07 0.88

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0018	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **3.60E-04**

C_i 1.80E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **9.47E-03**

Max Hourly 1.80E-03

Acute REL (Acrolein) 0.19

Highest Health Risk Calculations at Dunlap Drive and Nuevo Road

Risk Calculations

Annual Avg Concentration: 0.0060

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	2.07699E-06	6.27123E-06	4.95E-06	4.2863E-06	1.9274E-06	1.2025E-06
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	6.93565E-08	1.67532E-06	1.18E-06	2.0369E-06	3.09540E-07	7.4488E-07

	Risk	in one million
Cancer Risk:	70-year exposure	4.53E-06 4.53
	30-year exposure	4.09E-06 4.09
	9-year exposure	2.92E-06 2.92

Threshold: 10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.006	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = **1.20E-03**

C_i 6.00E-03 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = **3.16E-02**

Max Hourly 6.00E-03

Acute REL (Acrolein) 0.19

Cancer Risk Calculations at Orange Vista High School

Risk Calculations

Annual Avg Concentration: 0.0008

Cancer Risk

	3rd trimester	0<2 years	2<9 years	2<16 years	16<30 years	16<70 years
DOSE _{air} = (C _{air} *(BR/BW)*A*EF*10 ⁻⁶)	2.76932E-07	8.36164E-07	6.60493E-07	5.7151E-07	2.56986E-07	1.6033E-07
Risk = DOSE _{air} * CPF * ASF * ED/AT * FAH	9.24753E-09	2.23375E-07	1.56933E-07	2.7158E-07	4.127200E-08	9.9317E-08

	Risk in one million	
Cancer Risk:	9-year exposure	3.90E-07
Threshold:		10 in one million

	DOSE _{air}		mg/kg-d	Dose through inhalation
	CPF	1.1	(mg/kg/day) ⁻¹	Cancer Potency Factor for DPM
BR/BW	BR/BW (3rd trimester)	361	L/kg bodyweight-day	Daily Breathing rate normalized to body weight
	BR/BW (0 < 2 years)	1,090		
	BR/BW (2 < 9 years)	861		
	BR/BW (2 < 16 years)	745		
	BR/BW (16 < 30 years)	335		
	BR/BW (16 < 70 years)	209		
	10 ⁻⁶	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
	C _{air}	0.0008	ug/m ³	Concentration in air (ug/m ³), modeled annual average concentration
	A	1		Inhalation absorption factor
	EF	0.96	days/year	Exposure frequency (days/year)
ED	ED (3rd trimester)	0.25	years	Exposure duration (years)
	ED (0 < 2 years)	2		
	ED (2 < 9 years)	7		
	ED (2 < 16, 16 < 30 years)	14		
	ED (16 - 70 years)	54		
	AT	70	years	Averaging time period over which exposure is averaged
ASF	ASF (3rd trimester - 2 y)	10		Age Sensitivity Factor
	ASF (2 - 16 years)	3		
	ASF (16 - 70 years)	1		
FAH	FAH (3rd trimester - 2 y)	0.85		Fraction of time spent at home (unitless)
	FAH (2 - 16 years)	0.72		
	FAH (16 - 70 years)	0.73		

Chronic Noncancer Hazard

Threshold: 1

Hazard Quotient = C_i/REL_i

HQ = 1.60E-04

C_i 8.00E-04 Concentration (annual average)

REL_i 5 Reference Exposure Level

Acute NonCancer Hazard

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 4.21E-03

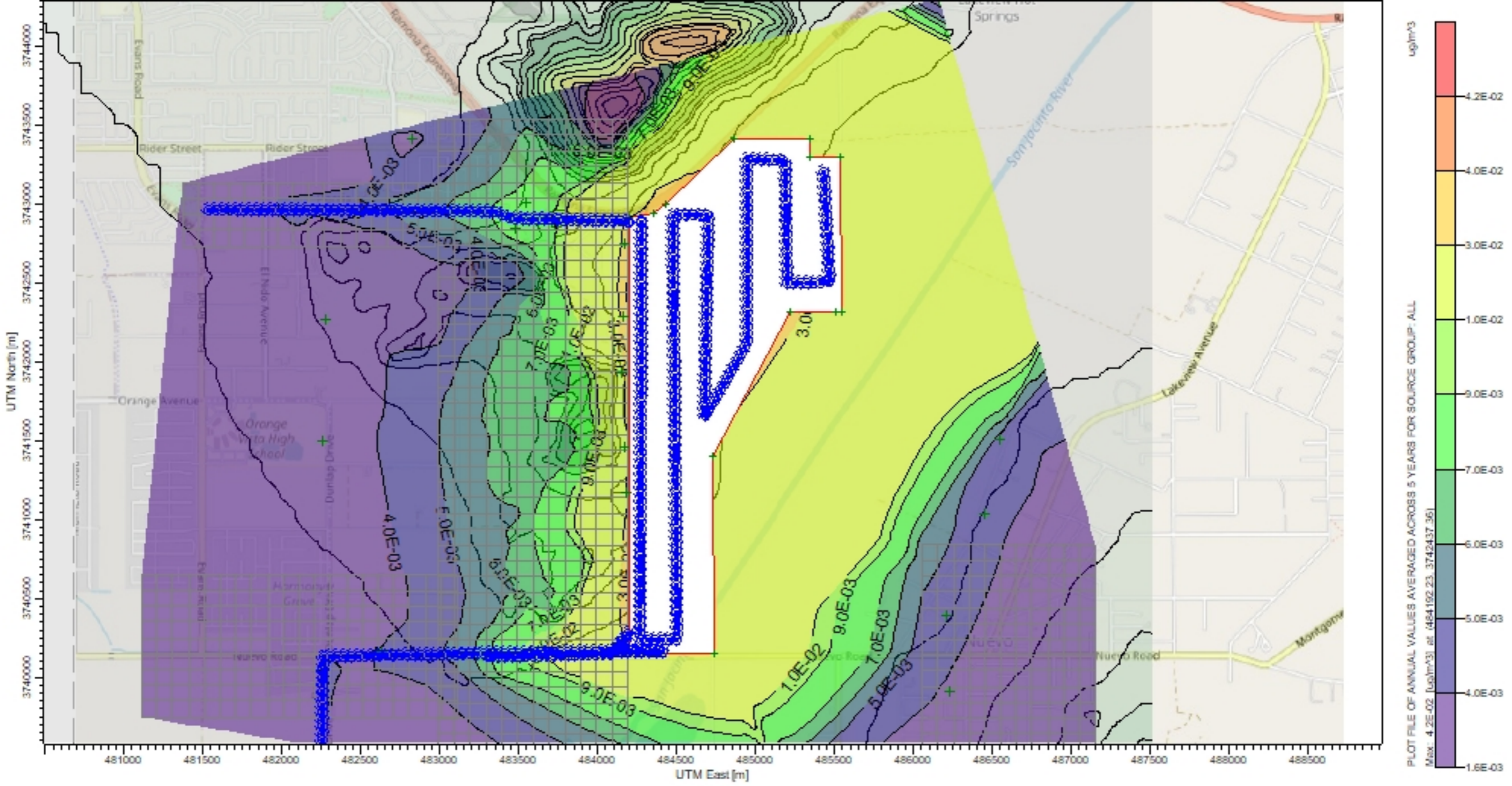
Max Hourly 8.00E-04

Acute REL (Acrolein) 0.19

APPENDIX C

Dispersion Model Output

Construction Modeling Data



** AERMAP - VERSION 18081

04/15/21

**

19:34:15

** Project: STONERIDGE COMMERCE CENTER CONSTRUCTION

**

** A total of 1 DEM files were used

** A total of 457 sources were processed

** No user-specified DOMAIN; all available data used

** ANCHORXY 0.00 0.00 0.00 0.00 11 3

** TERRHGTS EXTRACT

SO ELEVUNIT METERS

SO LOCATION	L0000001	VOLUME	484278.94	3742881.62	471.91
SO LOCATION	L0000002	VOLUME	484278.79	3742837.48	469.42
SO LOCATION	L0000003	VOLUME	484278.64	3742793.33	467.96
SO LOCATION	L0000004	VOLUME	484278.49	3742749.19	466.65
SO LOCATION	L0000005	VOLUME	484278.34	3742705.04	465.75
SO LOCATION	L0000006	VOLUME	484278.19	3742660.90	464.68
SO LOCATION	L0000007	VOLUME	484278.04	3742616.75	464.47
SO LOCATION	L0000008	VOLUME	484277.89	3742572.61	463.74
SO LOCATION	L0000009	VOLUME	484277.74	3742528.46	464.18
SO LOCATION	L0000010	VOLUME	484277.59	3742484.32	464.50
SO LOCATION	L0000011	VOLUME	484277.44	3742440.17	464.51
SO LOCATION	L0000012	VOLUME	484277.29	3742396.03	464.52
SO LOCATION	L0000013	VOLUME	484277.14	3742351.88	465.00
SO LOCATION	L0000014	VOLUME	484276.99	3742307.74	465.54
SO LOCATION	L0000015	VOLUME	484276.84	3742263.59	466.55
SO LOCATION	L0000016	VOLUME	484276.69	3742219.45	467.45
SO LOCATION	L0000017	VOLUME	484276.54	3742175.30	467.93
SO LOCATION	L0000018	VOLUME	484276.39	3742131.16	469.24
SO LOCATION	L0000019	VOLUME	484276.24	3742087.01	470.69
SO LOCATION	L0000020	VOLUME	484276.09	3742042.87	472.79
SO LOCATION	L0000021	VOLUME	484275.94	3741998.72	473.22
SO LOCATION	L0000022	VOLUME	484275.79	3741954.58	474.09
SO LOCATION	L0000023	VOLUME	484275.64	3741910.43	475.29
SO LOCATION	L0000024	VOLUME	484275.49	3741866.29	476.12
SO LOCATION	L0000025	VOLUME	484275.34	3741822.14	476.47
SO LOCATION	L0000026	VOLUME	484275.19	3741778.00	477.09
SO LOCATION	L0000027	VOLUME	484275.04	3741733.85	478.58
SO LOCATION	L0000028	VOLUME	484274.89	3741689.71	479.43
SO LOCATION	L0000029	VOLUME	484274.74	3741645.56	479.38
SO LOCATION	L0000030	VOLUME	484274.59	3741601.42	479.89
SO LOCATION	L0000031	VOLUME	484274.44	3741557.27	481.38
SO LOCATION	L0000032	VOLUME	484274.29	3741513.13	481.46
SO LOCATION	L0000033	VOLUME	484274.14	3741468.98	484.14
SO LOCATION	L0000034	VOLUME	484273.99	3741424.84	483.94
SO LOCATION	L0000035	VOLUME	484273.84	3741380.69	485.08
SO LOCATION	L0000036	VOLUME	484273.69	3741336.55	488.35
SO LOCATION	L0000037	VOLUME	484273.54	3741292.40	494.62
SO LOCATION	L0000038	VOLUME	484273.39	3741248.26	486.10
SO LOCATION	L0000039	VOLUME	484273.24	3741204.11	487.94

SO LOCATION	L0000040	VOLUME	484273.09	3741159.97	503.87
SO LOCATION	L0000041	VOLUME	484272.94	3741115.82	521.84
SO LOCATION	L0000042	VOLUME	484272.79	3741071.68	524.93
SO LOCATION	L0000043	VOLUME	484272.64	3741027.53	524.67
SO LOCATION	L0000044	VOLUME	484272.49	3740983.39	519.78
SO LOCATION	L0000045	VOLUME	484272.34	3740939.24	502.01
SO LOCATION	L0000046	VOLUME	484272.18	3740895.10	483.61
SO LOCATION	L0000047	VOLUME	484272.04	3740850.95	471.42
SO LOCATION	L0000048	VOLUME	484271.89	3740806.81	466.01
SO LOCATION	L0000049	VOLUME	484271.73	3740762.66	463.03
SO LOCATION	L0000050	VOLUME	484271.58	3740718.52	459.19
SO LOCATION	L0000051	VOLUME	484271.43	3740674.37	454.35
SO LOCATION	L0000052	VOLUME	484271.28	3740630.23	450.23
SO LOCATION	L0000053	VOLUME	484271.13	3740586.08	448.28
SO LOCATION	L0000054	VOLUME	484270.98	3740541.94	445.36
SO LOCATION	L0000055	VOLUME	484270.83	3740497.79	442.42
SO LOCATION	L0000056	VOLUME	484270.68	3740453.65	439.49
SO LOCATION	L0000057	VOLUME	484270.53	3740409.50	437.78
SO LOCATION	L0000058	VOLUME	484270.38	3740365.36	436.31
SO LOCATION	L0000059	VOLUME	484270.23	3740321.21	435.83
SO LOCATION	L0000060	VOLUME	484270.08	3740277.07	434.37
SO LOCATION	L0000061	VOLUME	484275.26	3740238.23	433.07
SO LOCATION	L0000062	VOLUME	484319.41	3740238.23	432.43
SO LOCATION	L0000063	VOLUME	484363.55	3740238.23	432.06
SO LOCATION	L0000064	VOLUME	484407.70	3740238.23	432.00
SO LOCATION	L0000065	VOLUME	484451.84	3740238.23	431.07
SO LOCATION	L0000066	VOLUME	484495.99	3740238.23	431.03
SO LOCATION	L0000067	VOLUME	484504.34	3740273.67	431.40
SO LOCATION	L0000068	VOLUME	484503.90	3740317.81	432.00
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SO LOCATION	L0000070	VOLUME	484503.01	3740406.10	432.90
SO LOCATION	L0000071	VOLUME	484502.57	3740450.24	433.39
SO LOCATION	L0000072	VOLUME	484502.12	3740494.38	434.88
SO LOCATION	L0000073	VOLUME	484501.68	3740538.52	436.36
SO LOCATION	L0000074	VOLUME	484501.23	3740582.67	437.85
SO LOCATION	L0000075	VOLUME	484500.79	3740626.81	439.34
SO LOCATION	L0000076	VOLUME	484500.34	3740670.95	441.64
SO LOCATION	L0000077	VOLUME	484499.90	3740715.10	444.61
SO LOCATION	L0000078	VOLUME	484499.45	3740759.24	448.30
SO LOCATION	L0000079	VOLUME	484499.01	3740803.38	451.30
SO LOCATION	L0000080	VOLUME	484498.57	3740847.53	453.92
SO LOCATION	L0000081	VOLUME	484498.12	3740891.67	458.00
SO LOCATION	L0000082	VOLUME	484497.68	3740935.81	459.59
SO LOCATION	L0000083	VOLUME	484497.23	3740979.96	463.07
SO LOCATION	L0000084	VOLUME	484496.79	3741024.10	461.79
SO LOCATION	L0000085	VOLUME	484496.34	3741068.24	463.82
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SO LOCATION	L0000087	VOLUME	484495.46	3741156.53	463.32
SO LOCATION	L0000088	VOLUME	484495.01	3741200.67	465.00
SO LOCATION	L0000089	VOLUME	484494.57	3741244.81	464.73

SO LOCATION	L0000090	VOLUME	484494.12	3741288.96	465.01
SO LOCATION	L0000091	VOLUME	484493.68	3741333.10	464.03
SO LOCATION	L0000092	VOLUME	484493.23	3741377.24	462.69
SO LOCATION	L0000093	VOLUME	484492.79	3741421.39	462.44
SO LOCATION	L0000094	VOLUME	484492.34	3741465.53	461.20
SO LOCATION	L0000095	VOLUME	484491.90	3741509.67	460.82
SO LOCATION	L0000096	VOLUME	484491.46	3741553.81	461.21
SO LOCATION	L0000097	VOLUME	484491.01	3741597.96	461.27
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SO LOCATION	L0000101	VOLUME	484489.23	3741774.53	460.00
SO LOCATION	L0000102	VOLUME	484488.79	3741818.67	459.30
SO LOCATION	L0000103	VOLUME	484488.34	3741862.82	458.22
SO LOCATION	L0000104	VOLUME	484487.90	3741906.96	456.78
SO LOCATION	L0000105	VOLUME	484487.46	3741951.10	456.34
SO LOCATION	L0000106	VOLUME	484487.01	3741995.25	455.54
SO LOCATION	L0000107	VOLUME	484486.57	3742039.39	454.46
SO LOCATION	L0000108	VOLUME	484486.12	3742083.53	453.60
SO LOCATION	L0000109	VOLUME	484485.68	3742127.67	453.81
SO LOCATION	L0000110	VOLUME	484485.23	3742171.82	453.83
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SO LOCATION	L0000112	VOLUME	484484.34	3742260.10	453.86
SO LOCATION	L0000113	VOLUME	484483.90	3742304.25	453.87
SO LOCATION	L0000114	VOLUME	484483.46	3742348.39	453.89
SO LOCATION	L0000115	VOLUME	484483.01	3742392.53	453.90
SO LOCATION	L0000116	VOLUME	484482.57	3742436.68	453.92
SO LOCATION	L0000117	VOLUME	484482.12	3742480.82	453.93
SO LOCATION	L0000118	VOLUME	484481.68	3742524.96	453.95
SO LOCATION	L0000119	VOLUME	484481.23	3742569.10	453.96
SO LOCATION	L0000120	VOLUME	484480.79	3742613.25	454.98
SO LOCATION	L0000121	VOLUME	484480.34	3742657.39	455.70
SO LOCATION	L0000122	VOLUME	484479.90	3742701.53	456.19
SO LOCATION	L0000123	VOLUME	484479.46	3742745.68	457.03
SO LOCATION	L0000124	VOLUME	484479.01	3742789.82	458.20
SO LOCATION	L0000125	VOLUME	484478.57	3742833.96	459.70
SO LOCATION	L0000126	VOLUME	484478.12	3742878.11	461.13
SO LOCATION	L0000127	VOLUME	484477.68	3742922.25	462.12
SO LOCATION	L0000128	VOLUME	484515.19	3742928.81	460.59
SO LOCATION	L0000129	VOLUME	484559.34	3742928.81	459.12
SO LOCATION	L0000130	VOLUME	484603.48	3742928.81	456.89
SO LOCATION	L0000131	VOLUME	484647.63	3742928.81	455.42
SO LOCATION	L0000132	VOLUME	484691.77	3742928.81	453.94
SO LOCATION	L0000133	VOLUME	484702.64	3742896.24	453.25
SO LOCATION	L0000134	VOLUME	484701.71	3742852.10	452.61
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SO LOCATION	L0000137	VOLUME	484698.92	3742719.69	449.71
SO LOCATION	L0000138	VOLUME	484697.98	3742675.56	449.05
SO LOCATION	L0000139	VOLUME	484697.05	3742631.42	448.61

SO LOCATION	L0000140	VOLUME	484696.12	3742587.29	447.80
SO LOCATION	L0000141	VOLUME	484695.18	3742543.15	447.73
SO LOCATION	L0000142	VOLUME	484694.25	3742499.02	446.86
SO LOCATION	L0000143	VOLUME	484693.32	3742454.88	445.89
SO LOCATION	L0000144	VOLUME	484692.39	3742410.75	445.92
SO LOCATION	L0000145	VOLUME	484691.46	3742366.61	445.95
SO LOCATION	L0000146	VOLUME	484690.52	3742322.48	445.98
SO LOCATION	L0000147	VOLUME	484689.59	3742278.34	445.11
SO LOCATION	L0000148	VOLUME	484688.66	3742234.21	445.08
SO LOCATION	L0000149	VOLUME	484687.73	3742190.07	445.08
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SO LOCATION	L0000152	VOLUME	484684.93	3742057.66	444.17
SO LOCATION	L0000153	VOLUME	484684.00	3742013.53	444.20
SO LOCATION	L0000154	VOLUME	484683.06	3741969.39	444.23
SO LOCATION	L0000155	VOLUME	484682.13	3741925.26	444.27
SO LOCATION	L0000156	VOLUME	484681.20	3741881.12	444.30
SO LOCATION	L0000157	VOLUME	484680.27	3741836.99	444.33
SO LOCATION	L0000158	VOLUME	484679.33	3741792.85	444.36
SO LOCATION	L0000159	VOLUME	484678.40	3741748.71	444.39
SO LOCATION	L0000160	VOLUME	484677.47	3741704.58	444.42
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SO LOCATION	L0000162	VOLUME	484691.45	3741673.08	443.95
SO LOCATION	L0000163	VOLUME	484713.51	3741711.32	442.44
SO LOCATION	L0000164	VOLUME	484735.57	3741749.55	441.48
SO LOCATION	L0000165	VOLUME	484757.63	3741787.79	440.75
SO LOCATION	L0000166	VOLUME	484779.69	3741826.03	440.03
SO LOCATION	L0000167	VOLUME	484801.75	3741864.27	439.28
SO LOCATION	L0000168	VOLUME	484823.81	3741902.51	438.54
SO LOCATION	L0000169	VOLUME	484845.87	3741940.75	437.61
SO LOCATION	L0000170	VOLUME	484867.93	3741978.98	436.14
SO LOCATION	L0000171	VOLUME	484889.99	3742017.22	435.34
SO LOCATION	L0000172	VOLUME	484912.05	3742055.46	434.46
SO LOCATION	L0000173	VOLUME	484934.11	3742093.70	433.86
SO LOCATION	L0000174	VOLUME	484947.11	3742134.36	433.55
SO LOCATION	L0000175	VOLUME	484947.11	3742178.51	434.29
SO LOCATION	L0000176	VOLUME	484947.11	3742222.65	434.87
SO LOCATION	L0000177	VOLUME	484947.11	3742266.80	435.26
SO LOCATION	L0000178	VOLUME	484947.11	3742310.94	435.50
SO LOCATION	L0000179	VOLUME	484947.11	3742355.09	436.22
SO LOCATION	L0000180	VOLUME	484947.11	3742399.23	436.54
SO LOCATION	L0000181	VOLUME	484947.11	3742443.38	437.43
SO LOCATION	L0000182	VOLUME	484947.11	3742487.52	438.45
SO LOCATION	L0000183	VOLUME	484947.11	3742531.67	439.16
SO LOCATION	L0000184	VOLUME	484947.11	3742575.82	439.43
SO LOCATION	L0000185	VOLUME	484947.11	3742619.96	439.90
SO LOCATION	L0000186	VOLUME	484947.11	3742664.11	440.43
SO LOCATION	L0000187	VOLUME	484947.11	3742708.25	441.43
SO LOCATION	L0000188	VOLUME	484947.11	3742752.40	442.31
SO LOCATION	L0000189	VOLUME	484947.11	3742796.54	442.63

SO LOCATION	L0000190	VOLUME	484947.11	3742840.69	443.35
SO LOCATION	L0000191	VOLUME	484947.11	3742884.83	444.13
SO LOCATION	L0000192	VOLUME	484947.11	3742928.98	444.43
SO LOCATION	L0000193	VOLUME	484947.11	3742973.12	445.00
SO LOCATION	L0000194	VOLUME	484947.11	3743017.27	445.43
SO LOCATION	L0000195	VOLUME	484947.11	3743061.41	445.61
SO LOCATION	L0000196	VOLUME	484947.11	3743105.56	447.08
SO LOCATION	L0000197	VOLUME	484947.11	3743149.70	447.55
SO LOCATION	L0000198	VOLUME	484947.11	3743193.85	449.02
SO LOCATION	L0000199	VOLUME	484947.11	3743237.99	450.03
SO LOCATION	L0000200	VOLUME	484948.31	3743280.89	450.89
SO LOCATION	L0000201	VOLUME	484992.43	3743279.26	449.40
SO LOCATION	L0000202	VOLUME	485036.54	3743277.63	448.45
SO LOCATION	L0000203	VOLUME	485080.66	3743275.99	447.31
SO LOCATION	L0000204	VOLUME	485124.77	3743274.36	445.79
SO LOCATION	L0000205	VOLUME	485168.89	3743272.72	445.01
SO LOCATION	L0000206	VOLUME	485191.14	3743249.78	444.14
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SO LOCATION	L0000209	VOLUME	485192.68	3743117.35	442.01
SO LOCATION	L0000210	VOLUME	485193.20	3743073.21	441.23
SO LOCATION	L0000211	VOLUME	485193.71	3743029.07	440.31
SO LOCATION	L0000212	VOLUME	485194.23	3742984.93	440.12
SO LOCATION	L0000213	VOLUME	485194.74	3742940.79	440.00
SO LOCATION	L0000214	VOLUME	485195.25	3742896.64	438.85
SO LOCATION	L0000215	VOLUME	485195.76	3742852.50	438.03
SO LOCATION	L0000216	VOLUME	485196.28	3742808.36	436.74
SO LOCATION	L0000217	VOLUME	485196.79	3742764.22	435.35
SO LOCATION	L0000218	VOLUME	485197.30	3742720.07	433.89
SO LOCATION	L0000219	VOLUME	485197.82	3742675.93	432.40
SO LOCATION	L0000220	VOLUME	485198.33	3742631.79	432.00
SO LOCATION	L0000221	VOLUME	485198.84	3742587.65	431.41
SO LOCATION	L0000222	VOLUME	485199.36	3742543.50	431.02
SO LOCATION	L0000223	VOLUME	485199.87	3742499.36	431.00
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SO LOCATION	L0000225	VOLUME	485284.23	3742498.24	431.00
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SO LOCATION	L0000227	VOLUME	485372.47	3742501.19	431.00
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SO LOCATION	L0000231	VOLUME	485466.67	3742582.57	431.00
SO LOCATION	L0000232	VOLUME	485464.35	3742626.66	431.00
SO LOCATION	L0000233	VOLUME	485462.03	3742670.74	431.00
SO LOCATION	L0000234	VOLUME	485459.71	3742714.82	431.00
SO LOCATION	L0000235	VOLUME	485457.39	3742758.91	431.00
SO LOCATION	L0000236	VOLUME	485455.07	3742802.99	431.00
SO LOCATION	L0000237	VOLUME	485452.75	3742847.08	431.00
SO LOCATION	L0000238	VOLUME	485450.43	3742891.16	431.33
SO LOCATION	L0000239	VOLUME	485448.11	3742935.25	431.73

SO LOCATION	L0000240	VOLUME	485445.79	3742979.33	432.81
SO LOCATION	L0000241	VOLUME	485443.47	3743023.41	433.80
SO LOCATION	L0000242	VOLUME	485441.15	3743067.50	434.35
SO LOCATION	L0000243	VOLUME	485438.83	3743111.58	435.04
SO LOCATION	L0000244	VOLUME	485436.51	3743155.67	436.16
SO LOCATION	L0000245	VOLUME	485430.59	3743198.80	437.15
SO LOCATION	L0000738	VOLUME	484186.55	3742886.67	475.77
SO LOCATION	L0000739	VOLUME	484142.26	3742887.80	480.14
SO LOCATION	L0000740	VOLUME	484097.98	3742888.94	482.59
SO LOCATION	L0000741	VOLUME	484053.69	3742890.07	485.43
SO LOCATION	L0000742	VOLUME	484009.41	3742891.21	488.38
SO LOCATION	L0000743	VOLUME	483965.12	3742892.34	492.94
SO LOCATION	L0000744	VOLUME	483920.84	3742893.48	498.30
SO LOCATION	L0000745	VOLUME	483876.55	3742894.62	502.07
SO LOCATION	L0000746	VOLUME	483832.27	3742895.75	510.87
SO LOCATION	L0000747	VOLUME	483787.98	3742896.89	520.30
SO LOCATION	L0000748	VOLUME	483743.69	3742898.02	524.36
SO LOCATION	L0000749	VOLUME	483699.41	3742899.16	516.62
SO LOCATION	L0000750	VOLUME	483655.12	3742900.29	502.69
SO LOCATION	L0000751	VOLUME	483610.84	3742901.43	496.39
SO LOCATION	L0000752	VOLUME	483566.55	3742902.56	492.06
SO LOCATION	L0000753	VOLUME	483522.27	3742903.70	488.10
SO LOCATION	L0000754	VOLUME	483477.98	3742904.83	482.88
SO LOCATION	L0000755	VOLUME	483435.82	3742916.08	479.86
SO LOCATION	L0000756	VOLUME	483394.82	3742932.85	477.78
SO LOCATION	L0000757	VOLUME	483353.43	3742947.85	475.05
SO LOCATION	L0000758	VOLUME	483309.16	3742949.49	474.52
SO LOCATION	L0000759	VOLUME	483264.89	3742951.13	473.25
SO LOCATION	L0000760	VOLUME	483220.61	3742952.42	471.93
SO LOCATION	L0000761	VOLUME	483176.32	3742952.63	470.24
SO LOCATION	L0000762	VOLUME	483132.02	3742952.85	468.51
SO LOCATION	L0000763	VOLUME	483087.72	3742953.06	468.02
SO LOCATION	L0000764	VOLUME	483043.42	3742953.27	467.43
SO LOCATION	L0000765	VOLUME	482999.12	3742953.48	467.06
SO LOCATION	L0000766	VOLUME	482954.82	3742953.69	466.41
SO LOCATION	L0000767	VOLUME	482910.52	3742953.91	465.68
SO LOCATION	L0000768	VOLUME	482866.22	3742954.12	464.92
SO LOCATION	L0000769	VOLUME	482821.92	3742954.33	463.68
SO LOCATION	L0000770	VOLUME	482777.62	3742954.54	462.64
SO LOCATION	L0000771	VOLUME	482733.32	3742954.75	462.38
SO LOCATION	L0000772	VOLUME	482689.02	3742954.97	462.37
SO LOCATION	L0000773	VOLUME	482644.72	3742955.18	462.25
SO LOCATION	L0000774	VOLUME	482600.42	3742955.39	461.71
SO LOCATION	L0000775	VOLUME	482556.12	3742955.60	460.70
SO LOCATION	L0000776	VOLUME	482511.82	3742955.81	460.08
SO LOCATION	L0000777	VOLUME	482467.52	3742956.03	457.56
SO LOCATION	L0000778	VOLUME	482423.22	3742956.24	456.14
SO LOCATION	L0000779	VOLUME	482378.93	3742956.45	455.29
SO LOCATION	L0000780	VOLUME	482334.62	3742956.66	454.32
SO LOCATION	L0000781	VOLUME	482290.33	3742956.87	453.62

SO LOCATION	L0000782	VOLUME	482246.03	3742957.09	452.00
SO LOCATION	L0000783	VOLUME	482201.73	3742957.44	450.35
SO LOCATION	L0000784	VOLUME	482157.43	3742957.79	449.70
SO LOCATION	L0000785	VOLUME	482113.13	3742958.15	448.37
SO LOCATION	L0000786	VOLUME	482068.83	3742958.50	446.63
SO LOCATION	L0000787	VOLUME	482024.53	3742958.86	445.15
SO LOCATION	L0000788	VOLUME	481980.24	3742959.21	444.67
SO LOCATION	L0000789	VOLUME	481935.94	3742959.57	444.00
SO LOCATION	L0000790	VOLUME	481891.64	3742959.92	443.00
SO LOCATION	L0000791	VOLUME	481847.34	3742960.28	442.24
SO LOCATION	L0000792	VOLUME	481803.04	3742960.63	442.00
SO LOCATION	L0000793	VOLUME	481758.74	3742960.98	442.00
SO LOCATION	L0000794	VOLUME	481714.44	3742961.34	441.81
SO LOCATION	L0000795	VOLUME	481670.14	3742961.69	441.00
SO LOCATION	L0000796	VOLUME	481625.85	3742962.05	441.00
SO LOCATION	L0000797	VOLUME	481581.55	3742962.40	441.00
SO LOCATION	L0000798	VOLUME	481537.25	3742962.76	440.00
SO LOCATION	L0000799	VOLUME	483324.34	3740127.82	444.32
SO LOCATION	L0000800	VOLUME	483368.62	3740129.03	444.00
SO LOCATION	L0000801	VOLUME	483412.90	3740130.25	442.77
SO LOCATION	L0000802	VOLUME	483457.19	3740131.46	442.05
SO LOCATION	L0000803	VOLUME	483501.47	3740132.67	442.00
SO LOCATION	L0000804	VOLUME	483545.75	3740133.89	441.65
SO LOCATION	L0000805	VOLUME	483590.04	3740135.10	441.63
SO LOCATION	L0000806	VOLUME	483634.32	3740136.31	440.87
SO LOCATION	L0000807	VOLUME	483678.60	3740137.53	439.72
SO LOCATION	L0000808	VOLUME	483722.89	3740138.74	438.81
SO LOCATION	L0000809	VOLUME	483767.17	3740139.95	437.95
SO LOCATION	L0000810	VOLUME	483811.45	3740141.17	437.84
SO LOCATION	L0000811	VOLUME	483855.74	3740142.38	436.88
SO LOCATION	L0000812	VOLUME	483900.02	3740143.59	436.31
SO LOCATION	L0000813	VOLUME	483944.30	3740144.81	435.82
SO LOCATION	L0000814	VOLUME	483988.59	3740146.02	435.00
SO LOCATION	L0000815	VOLUME	484032.87	3740147.23	434.04
SO LOCATION	L0000816	VOLUME	484077.15	3740148.45	434.08
SO LOCATION	L0000817	VOLUME	484109.68	3740173.88	434.32
SO LOCATION	L0000818	VOLUME	484138.05	3740207.91	434.46
SO LOCATION	L0000819	VOLUME	484166.41	3740241.94	435.20
SO LOCATION	L0000820	VOLUME	484194.77	3740275.98	435.67
SO LOCATION	L0000821	VOLUME	484176.80	3740236.23	435.01
SO LOCATION	L0000822	VOLUME	484158.47	3740195.90	433.66
SO LOCATION	L0000823	VOLUME	484146.07	3740159.39	433.13
SO LOCATION	L0000824	VOLUME	484190.37	3740159.39	432.44
SO LOCATION	L0000825	VOLUME	484234.67	3740159.39	432.90
SO LOCATION	L0000826	VOLUME	484278.97	3740159.39	432.31
SO LOCATION	L0000827	VOLUME	484323.27	3740159.39	432.00
SO LOCATION	L0000828	VOLUME	484367.57	3740159.39	431.33
SO LOCATION	L0000829	VOLUME	484411.87	3740159.39	431.00
SO LOCATION	L0000830	VOLUME	484382.59	3740170.21	431.20
SO LOCATION	L0000831	VOLUME	484338.42	3740169.37	431.94

SO LOCATION	L0000832	VOLUME	484294.25	3740168.54	432.15
SO LOCATION	L0000833	VOLUME	484250.09	3740167.71	432.91
SO LOCATION	L0000834	VOLUME	484205.92	3740166.87	432.69
SO LOCATION	L0000835	VOLUME	484161.75	3740166.04	432.87
SO LOCATION	L0000836	VOLUME	484117.58	3740165.21	434.05
SO LOCATION	L0000837	VOLUME	484073.41	3740164.37	434.61
SO LOCATION	L0000838	VOLUME	484029.24	3740163.54	434.61
SO LOCATION	L0000839	VOLUME	483985.07	3740162.71	435.55
SO LOCATION	L0000840	VOLUME	483940.90	3740161.87	435.99
SO LOCATION	L0000841	VOLUME	483896.73	3740161.04	436.94
SO LOCATION	L0000842	VOLUME	483852.56	3740160.21	437.47
SO LOCATION	L0000843	VOLUME	483808.39	3740159.37	438.17
SO LOCATION	L0000844	VOLUME	483764.22	3740158.54	438.42
SO LOCATION	L0000845	VOLUME	483720.05	3740157.71	439.39
SO LOCATION	L0000846	VOLUME	483675.89	3740156.87	440.17
SO LOCATION	L0000847	VOLUME	483631.72	3740156.04	441.61
SO LOCATION	L0000848	VOLUME	483587.55	3740155.21	442.53
SO LOCATION	L0000849	VOLUME	483543.38	3740154.37	442.28
SO LOCATION	L0000850	VOLUME	483499.21	3740153.54	442.25
SO LOCATION	L0000851	VOLUME	483455.04	3740152.71	442.35
SO LOCATION	L0000852	VOLUME	483410.87	3740151.87	443.12
SO LOCATION	L0000853	VOLUME	483366.70	3740151.04	444.00
SO LOCATION	L0000854	VOLUME	483322.53	3740150.21	444.08
SO LOCATION	L0000855	VOLUME	483278.36	3740149.37	444.11
SO LOCATION	L0000856	VOLUME	483234.19	3740148.54	444.08
SO LOCATION	L0000857	VOLUME	483190.03	3740147.71	444.00
SO LOCATION	L0000858	VOLUME	483145.86	3740146.87	444.00
SO LOCATION	L0000859	VOLUME	483101.69	3740146.04	444.00
SO LOCATION	L0000860	VOLUME	483057.52	3740145.21	444.00
SO LOCATION	L0000861	VOLUME	483013.35	3740144.37	442.11
SO LOCATION	L0000862	VOLUME	482969.18	3740143.54	440.92
SO LOCATION	L0000863	VOLUME	482925.01	3740142.71	440.89
SO LOCATION	L0000864	VOLUME	482880.84	3740141.87	440.60
SO LOCATION	L0000865	VOLUME	482836.67	3740141.04	440.00
SO LOCATION	L0000866	VOLUME	482792.50	3740140.21	439.00
SO LOCATION	L0000867	VOLUME	482748.33	3740139.37	438.28
SO LOCATION	L0000868	VOLUME	482704.16	3740138.54	438.00
SO LOCATION	L0000869	VOLUME	482660.00	3740137.71	437.81
SO LOCATION	L0000870	VOLUME	482615.83	3740136.87	437.00
SO LOCATION	L0000871	VOLUME	482571.66	3740136.04	436.80
SO LOCATION	L0000872	VOLUME	482527.49	3740135.21	436.58
SO LOCATION	L0000873	VOLUME	482483.32	3740134.37	436.00
SO LOCATION	L0000874	VOLUME	482439.15	3740133.54	436.00
SO LOCATION	L0000875	VOLUME	482394.98	3740132.71	436.00
SO LOCATION	L0000876	VOLUME	482350.81	3740131.87	436.00
SO LOCATION	L0000877	VOLUME	482306.64	3740131.04	436.00
SO LOCATION	L0000878	VOLUME	482263.45	3740129.23	435.50
SO LOCATION	L0000879	VOLUME	482262.71	3740085.06	435.00
SO LOCATION	L0000880	VOLUME	482261.96	3740040.89	435.00
SO LOCATION	L0000881	VOLUME	482261.22	3739996.72	434.06

SO LOCATION	L0000882	VOLUME	482260.48	3739952.55	434.00
SO LOCATION	L0000883	VOLUME	482259.74	3739908.38	434.00
SO LOCATION	L0000884	VOLUME	482258.99	3739864.21	433.60
SO LOCATION	L0000885	VOLUME	482258.25	3739820.04	433.00
SO LOCATION	L0000886	VOLUME	482257.51	3739775.87	433.00
SO LOCATION	L0000887	VOLUME	482256.77	3739731.70	433.00
SO LOCATION	L0000888	VOLUME	482256.02	3739687.52	432.62
SO LOCATION	L0000889	VOLUME	482255.28	3739643.35	432.00
SO LOCATION	L0000890	VOLUME	482254.54	3739599.18	432.00
SO LOCATION	L0000891	VOLUME	482253.80	3739555.01	432.00
SO LOCATION	L0000892	VOLUME	482253.05	3739510.84	431.83
SO LOCATION	L0000893	VOLUME	482252.31	3739466.67	431.00
SO LOCATION	L0000894	VOLUME	482251.57	3739422.50	431.00
SO LOCATION	L0000895	VOLUME	482250.83	3739378.33	431.00
SO LOCATION	L0000896	VOLUME	482250.09	3739334.16	431.00
SO LOCATION	L0000897	VOLUME	482249.34	3739289.99	431.00
SO LOCATION	L0000898	VOLUME	482248.60	3739245.82	431.00
SO LOCATION	L0000899	VOLUME	482247.86	3739201.65	431.00
SO LOCATION	L0000900	VOLUME	482247.12	3739157.48	431.00
SO LOCATION	L0000901	VOLUME	482246.37	3739113.30	431.00
SO LOCATION	L0000902	VOLUME	482245.63	3739069.13	431.00
SO LOCATION	L0000903	VOLUME	482244.89	3739024.96	431.00
SO LOCATION	L0000904	VOLUME	482244.15	3738980.79	431.00
SO LOCATION	L0000905	VOLUME	482243.40	3738936.62	431.00
SO LOCATION	L0000906	VOLUME	482242.66	3738892.45	431.00
SO LOCATION	L0000907	VOLUME	482241.92	3738848.28	431.00
SO LOCATION	L0000908	VOLUME	482241.18	3738804.11	431.00
SO LOCATION	L0000909	VOLUME	482240.44	3738759.94	431.00
SO LOCATION	L0000910	VOLUME	482239.69	3738715.77	431.00
SO LOCATION	L0000911	VOLUME	482238.95	3738671.60	431.00
SO LOCATION	L0000912	VOLUME	482238.21	3738627.43	431.00
SO LOCATION	L0000913	VOLUME	482237.47	3738583.26	431.00
SO LOCATION	L0000914	VOLUME	482236.72	3738539.08	431.00
SO LOCATION	L0000915	VOLUME	482195.65	3738535.92	431.00
SO LOCATION	L0000916	VOLUME	482151.48	3738535.92	431.00
SO LOCATION	L0000917	VOLUME	482107.30	3738535.92	431.00
SO LOCATION	L0000918	VOLUME	482063.12	3738535.92	431.00
SO LOCATION	L0000919	VOLUME	482018.95	3738535.92	431.00
SO LOCATION	L0000920	VOLUME	481974.77	3738535.92	431.00
SO LOCATION	L0000921	VOLUME	481930.59	3738535.92	431.00
SO LOCATION	L0000922	VOLUME	481886.42	3738535.92	431.00
SO LOCATION	L0000923	VOLUME	481842.24	3738535.92	431.00
SO LOCATION	L0000924	VOLUME	481798.06	3738535.92	431.00
SO LOCATION	L0000925	VOLUME	481753.88	3738535.92	431.00
SO LOCATION	L0000926	VOLUME	481709.71	3738535.92	431.00
SO LOCATION	L0000927	VOLUME	481665.53	3738535.92	431.00
SO LOCATION	L0000928	VOLUME	481621.35	3738535.92	431.00
SO LOCATION	L0000929	VOLUME	481577.18	3738535.92	431.00
SO LOCATION	L0000930	VOLUME	481533.00	3738535.92	431.00
SO LOCATION	L0000931	VOLUME	481488.82	3738535.92	431.00

SO LOCATION	L0000932	VOLUME	481444.64	3738535.92	431.00
SO LOCATION	L0000933	VOLUME	481400.47	3738535.92	431.00
SO LOCATION	L0000934	VOLUME	481356.29	3738535.92	431.00
SO LOCATION	L0000935	VOLUME	481312.11	3738535.92	431.00
SO LOCATION	L0000936	VOLUME	481267.94	3738535.92	431.00
SO LOCATION	L0000937	VOLUME	481223.76	3738535.92	431.00
SO LOCATION	L0000938	VOLUME	481179.58	3738535.92	431.00
SO LOCATION	L0000939	VOLUME	481135.41	3738535.92	431.00
SO LOCATION	L0000940	VOLUME	481091.23	3738535.92	431.00
SO LOCATION	L0000941	VOLUME	481047.05	3738535.92	431.00
SO LOCATION	L0000942	VOLUME	481002.88	3738535.92	431.00
SO LOCATION	L0000943	VOLUME	480958.70	3738535.92	431.00
SO LOCATION	L0000944	VOLUME	480914.52	3738535.92	431.00
SO LOCATION	L0000945	VOLUME	480870.34	3738535.92	431.00
SO LOCATION	L0000946	VOLUME	480826.17	3738535.92	431.00
SO LOCATION	L0000947	VOLUME	480781.99	3738535.92	431.00
SO LOCATION	L0000948	VOLUME	480737.81	3738535.92	431.00
SO LOCATION	L0000949	VOLUME	480693.64	3738535.92	432.00

* AERMOD (19191): C:\Lakes\AERMOD View\Stoneridge Commerce Center Construction\Stoneri 04/15/21
 * AERMET (16216): 19:38:19
 * MODELING OPTIONS USED: RegDEFAULT CONC ELEV URBAN ADJ_U*
 * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: ALL
 * FOR A TOTAL OF 1051 RECEPTORS.
 * FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID
482992.23000	3739437.36000	0.00307	431.40	431.40	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3739437.36000	0.00320	431.40	431.40	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3739437.36000	0.00334	431.00	431.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3739437.36000	0.00349	431.00	431.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3739437.36000	0.00365	431.00	431.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3739437.36000	0.00383	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3739437.36000	0.00401	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3739437.36000	0.00420	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3739437.36000	0.00439	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3739437.36000	0.00459	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3739437.36000	0.00479	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3739437.36000	0.00499	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3739437.36000	0.00520	430.30	430.30	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3739537.36000	0.00324	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3739537.36000	0.00339	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3739537.36000	0.00355	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3739537.36000	0.00373	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3739537.36000	0.00393	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3739537.36000	0.00414	431.00	431.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3739537.36000	0.00436	430.90	430.90	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3739537.36000	0.00458	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3739537.36000	0.00482	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3739537.36000	0.00506	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3739537.36000	0.00531	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3739537.36000	0.00557	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3739537.36000	0.00583	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3739637.36000	0.00342	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3739637.36000	0.00359	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART1

483192.23000	3739637.36000	0.00379	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3739637.36000	0.00400	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3739637.36000	0.00424	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3739637.36000	0.00450	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3739637.36000	0.00477	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3739637.36000	0.00505	431.00	431.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3739637.36000	0.00535	430.90	430.90	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3739637.36000	0.00565	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3739637.36000	0.00597	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3739637.36000	0.00630	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3739637.36000	0.00664	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3739737.36000	0.00362	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3739737.36000	0.00383	434.40	434.40	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3739737.36000	0.00406	434.40	434.40	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3739737.36000	0.00432	434.20	434.20	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3739737.36000	0.00462	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3739737.36000	0.00494	433.40	433.40	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3739737.36000	0.00528	432.70	432.70	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3739737.36000	0.00562	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3739737.36000	0.00599	431.30	431.30	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3739737.36000	0.00638	430.70	430.70	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3739737.36000	0.00680	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3739737.36000	0.00725	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3739737.36000	0.00773	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3739837.36000	0.00386	435.30	435.30	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3739837.36000	0.00410	435.90	435.90	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3739837.36000	0.00439	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3739837.36000	0.00472	435.70	435.70	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3739837.36000	0.00511	435.70	435.70	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3739837.36000	0.00552	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3739837.36000	0.00593	434.40	434.40	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3739837.36000	0.00635	433.20	433.20	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3739837.36000	0.00681	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3739837.36000	0.00734	431.40	431.40	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3739837.36000	0.00792	430.80	430.80	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3739837.36000	0.00857	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3739837.36000	0.00929	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3739937.36000	0.00414	437.00	437.00	0.00	ANNUAL	ALL	00000005	UCART1

483092.23000	3739937.36000	0.00440	438.00	438.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3739937.36000	0.00474	439.00	443.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3739937.36000	0.00523	438.00	438.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3739937.36000	0.00580	438.00	438.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3739937.36000	0.00636	437.00	437.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3739937.36000	0.00686	437.00	437.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3739937.36000	0.00740	435.30	487.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3739937.36000	0.00798	433.90	487.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3739937.36000	0.00868	433.00	487.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3739937.36000	0.00953	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3739937.36000	0.01054	431.00	431.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3739937.36000	0.01171	430.00	430.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3740037.36000	0.00461	439.00	439.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3740037.36000	0.00482	444.40	444.40	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3740037.36000	0.00535	441.70	441.70	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3740037.36000	0.00628	441.20	441.20	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3740037.36000	0.00748	441.10	441.10	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3740037.36000	0.00816	439.40	487.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3740037.36000	0.00868	439.70	487.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3740037.36000	0.00931	437.50	487.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3740037.36000	0.01008	435.30	487.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3740037.36000	0.01099	434.20	494.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3740037.36000	0.01224	433.00	505.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3740037.36000	0.01397	432.00	533.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3740037.36000	0.01626	431.40	533.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3740137.36000	0.00483	441.00	441.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3740137.36000	0.00517	444.30	444.30	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3740137.36000	0.00587	444.00	444.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3740137.36000	0.00660	444.10	444.10	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3740137.36000	0.00779	443.30	443.30	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3740137.36000	0.00889	442.00	487.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3740137.36000	0.00992	441.70	488.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3740137.36000	0.01024	439.30	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3740137.36000	0.01115	437.70	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3740137.36000	0.01322	436.40	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3740137.36000	0.01544	434.70	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3740137.36000	0.01863	433.70	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3740137.36000	0.02591	432.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1

482992.23000	3740237.36000	0.00483	443.00	443.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3740237.36000	0.00517	444.80	444.80	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3740237.36000	0.00566	446.00	446.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3740237.36000	0.00650	447.00	447.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3740237.36000	0.00756	445.00	487.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3740237.36000	0.00838	444.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3740237.36000	0.00907	444.60	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3740237.36000	0.01002	443.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3740237.36000	0.01116	442.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3740237.36000	0.01290	439.60	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3740237.36000	0.01579	437.30	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3740237.36000	0.02281	436.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3740237.36000	0.03449	434.60	585.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3740337.36000	0.00454	444.60	444.60	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3740337.36000	0.00485	446.70	446.70	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3740337.36000	0.00526	448.40	448.40	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3740337.36000	0.00583	449.80	467.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3740337.36000	0.00627	454.90	469.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3740337.36000	0.00719	448.70	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3740337.36000	0.00794	448.20	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3740337.36000	0.00814	456.80	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3740337.36000	0.00983	449.30	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3740337.36000	0.01181	444.20	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3740337.36000	0.01474	441.90	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3740337.36000	0.02087	439.30	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3740337.36000	0.03855	437.20	585.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3740437.36000	0.00449	446.30	446.30	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3740437.36000	0.00480	448.70	448.70	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3740437.36000	0.00520	450.10	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3740437.36000	0.00562	453.80	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3740437.36000	0.00599	458.60	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3740437.36000	0.00649	460.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3740437.36000	0.00727	458.50	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3740437.36000	0.00661	477.50	487.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3740437.36000	0.00887	462.10	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3740437.36000	0.01096	456.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3740437.36000	0.01425	450.40	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3740437.36000	0.02082	444.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1

484192.23000	3740437.36000	0.03884	441.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3740537.36000	0.00450	448.40	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3740537.36000	0.00478	451.70	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3740537.36000	0.00510	456.10	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3740537.36000	0.00551	458.40	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3740537.36000	0.00589	461.80	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3740537.36000	0.00597	470.30	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3740537.36000	0.00607	478.70	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3740537.36000	0.00666	480.50	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3740537.36000	0.00745	482.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3740537.36000	0.00965	472.70	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3740537.36000	0.01339	463.40	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3740537.36000	0.02068	452.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3740537.36000	0.03897	447.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3740637.36000	0.00455	449.40	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3740637.36000	0.00487	451.70	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3740637.36000	0.00516	457.10	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3740637.36000	0.00545	462.60	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3740637.36000	0.00591	464.40	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3740637.36000	0.00626	468.80	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3740637.36000	0.00663	473.60	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3740637.36000	0.00727	476.50	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3740637.36000	0.00742	487.60	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3740637.36000	0.00883	487.10	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3740637.36000	0.01138	483.90	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3740637.36000	0.01956	465.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3740637.36000	0.03760	457.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3740737.36000	0.00462	450.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3740737.36000	0.00493	453.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3740737.36000	0.00527	457.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3740737.36000	0.00560	462.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3740737.36000	0.00588	468.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3740737.36000	0.00644	469.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3740737.36000	0.00664	477.60	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3740737.36000	0.00761	476.90	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3740737.36000	0.00805	485.90	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3740737.36000	0.00840	498.60	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3740737.36000	0.01041	500.40	585.00	0.00	ANNUAL	ALL	00000005	UCART1

484092.23000	3740737.36000	0.01759	480.80	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3740737.36000	0.03657	467.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3740837.36000	0.00468	451.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3740837.36000	0.00502	453.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3740837.36000	0.00537	458.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3740837.36000	0.00565	464.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3740837.36000	0.00570	473.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3740837.36000	0.00628	475.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3740837.36000	0.00693	477.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3740837.36000	0.00766	481.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3740837.36000	0.00872	484.20	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3740837.36000	0.00914	497.30	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3740837.36000	0.01205	494.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3740837.36000	0.01875	483.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3740837.36000	0.03384	478.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3740937.36000	0.00475	452.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3740937.36000	0.00510	454.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3740937.36000	0.00545	459.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3740937.36000	0.00563	468.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3740937.36000	0.00589	473.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3740937.36000	0.00624	479.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3740937.36000	0.00701	480.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3740937.36000	0.00791	482.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3740937.36000	0.00897	486.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3740937.36000	0.01066	489.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3740937.36000	0.01318	492.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3740937.36000	0.01984	485.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3740937.36000	0.03352	489.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3741037.36000	0.00480	453.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3741037.36000	0.00518	455.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3741037.36000	0.00551	460.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3741037.36000	0.00575	468.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3741037.36000	0.00547	484.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3741037.36000	0.00587	488.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3741037.36000	0.00694	485.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3741037.36000	0.00768	489.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3741037.36000	0.00891	491.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3741037.36000	0.01056	494.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1

483992.23000	3741037.36000	0.01318	498.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3741037.36000	0.01936	493.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3741037.36000	0.03125	509.00	585.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3741137.36000	0.00485	455.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3741137.36000	0.00524	457.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3741137.36000	0.00559	462.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3741137.36000	0.00586	468.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3741137.36000	0.00610	476.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3741137.36000	0.00615	486.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3741137.36000	0.00668	491.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3741137.36000	0.00736	496.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3741137.36000	0.00840	500.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3741137.36000	0.01029	500.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3741137.36000	0.01337	500.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3741137.36000	0.01896	499.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3741137.36000	0.02912	512.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3741237.36000	0.00491	456.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3741237.36000	0.00526	460.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3741237.36000	0.00562	464.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3741237.36000	0.00597	469.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3741237.36000	0.00625	476.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3741237.36000	0.00650	484.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3741237.36000	0.00657	495.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3741237.36000	0.00708	502.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3741237.36000	0.00782	509.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3741237.36000	0.00913	513.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3741237.36000	0.01196	511.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3741237.36000	0.01813	502.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3741237.36000	0.03266	498.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3741337.36000	0.00496	458.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3741337.36000	0.00533	460.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3741337.36000	0.00570	465.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3741337.36000	0.00600	470.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3741337.36000	0.00640	476.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3741337.36000	0.00666	484.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3741337.36000	0.00613	503.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3741337.36000	0.00633	515.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3741337.36000	0.00698	523.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1

483892.23000	3741337.36000	0.00821	527.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3741337.36000	0.01094	520.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3741337.36000	0.01504	517.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3741337.36000	0.02724	506.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3741437.36000	0.00498	459.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3741437.36000	0.00537	462.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3741437.36000	0.00570	467.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3741437.36000	0.00593	474.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3741437.36000	0.00628	480.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3741437.36000	0.00667	486.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3741437.36000	0.00645	500.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3741437.36000	0.00628	517.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3741437.36000	0.00625	544.40	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3741437.36000	0.00744	549.60	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3741437.36000	0.01020	531.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3741437.36000	0.01319	541.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3741437.36000	0.02794	503.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3741537.36000	0.00498	461.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3741537.36000	0.00538	464.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3741537.36000	0.00575	468.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3741537.36000	0.00593	476.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3741537.36000	0.00638	480.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3741537.36000	0.00660	488.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3741537.36000	0.00678	497.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3741537.36000	0.00680	510.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3741537.36000	0.00655	538.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3741537.36000	0.00713	577.50	585.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3741537.36000	0.00936	559.90	585.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3741537.36000	0.01358	536.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3741537.36000	0.03004	498.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3741637.36000	0.00497	463.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3741637.36000	0.00537	465.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3741637.36000	0.00582	468.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3741637.36000	0.00607	475.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3741637.36000	0.00640	481.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3741637.36000	0.00676	487.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3741637.36000	0.00689	497.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3741637.36000	0.00706	508.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1

483792.23000	3741637.36000	0.00710	526.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3741637.36000	0.00753	559.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3741637.36000	0.00934	572.10	583.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3741637.36000	0.01410	527.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3741637.36000	0.03370	491.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3741737.36000	0.00489	467.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3741737.36000	0.00534	468.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3741737.36000	0.00577	470.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3741737.36000	0.00601	477.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3741737.36000	0.00626	484.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3741737.36000	0.00648	492.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3741737.36000	0.00673	500.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3741737.36000	0.00703	509.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3741737.36000	0.00768	517.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3741737.36000	0.00827	536.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3741737.36000	0.00957	567.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3741737.36000	0.01407	531.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3741737.36000	0.03363	491.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3741837.36000	0.00477	470.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3741837.36000	0.00511	473.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3741837.36000	0.00565	473.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3741837.36000	0.00610	476.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3741837.36000	0.00645	482.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3741837.36000	0.00669	489.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3741837.36000	0.00685	499.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3741837.36000	0.00639	522.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3741837.36000	0.00671	546.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3741837.36000	0.00829	539.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3741837.36000	0.00977	563.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3741837.36000	0.01382	540.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3741837.36000	0.03583	486.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3741937.36000	0.00454	477.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3741937.36000	0.00498	477.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3741937.36000	0.00549	477.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3741937.36000	0.00594	480.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3741937.36000	0.00633	484.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3741937.36000	0.00666	490.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3741937.36000	0.00679	500.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1

483692.23000	3741937.36000	0.00650	521.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3741937.36000	0.00650	561.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3741937.36000	0.00789	561.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3741937.36000	0.01064	535.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3741937.36000	0.01436	530.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3741937.36000	0.03515	486.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3742037.36000	0.00422	485.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3742037.36000	0.00480	481.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3742037.36000	0.00533	481.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3742037.36000	0.00582	482.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3742037.36000	0.00615	487.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3742037.36000	0.00644	494.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3742037.36000	0.00688	499.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3742037.36000	0.00749	505.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3742037.36000	0.00781	519.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3742037.36000	0.00944	518.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3742037.36000	0.01248	509.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3742037.36000	0.02031	490.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3742037.36000	0.03628	482.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3742137.36000	0.00388	494.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3742137.36000	0.00457	487.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3742137.36000	0.00497	488.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3742137.36000	0.00551	487.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3742137.36000	0.00609	488.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3742137.36000	0.00623	497.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3742137.36000	0.00686	500.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3742137.36000	0.00716	511.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3742137.36000	0.00831	512.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3742137.36000	0.01129	498.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3742137.36000	0.01497	491.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3742137.36000	0.02225	482.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3742137.36000	0.03988	474.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3742237.36000	0.00358	504.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3742237.36000	0.00428	494.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3742237.36000	0.00464	495.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3742237.36000	0.00509	496.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3742237.36000	0.00565	496.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3742237.36000	0.00618	498.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1

483592.23000	3742237.36000	0.00640	509.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3742237.36000	0.00722	511.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3742237.36000	0.00843	511.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3742237.36000	0.01008	511.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3742237.36000	0.01508	490.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3742237.36000	0.02217	481.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3742237.36000	0.04075	472.20	816.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3742337.36000	0.00351	507.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3742337.36000	0.00398	503.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3742337.36000	0.00432	504.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3742337.36000	0.00476	504.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3742337.36000	0.00529	504.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3742337.36000	0.00593	504.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3742337.36000	0.00670	504.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3742337.36000	0.00740	509.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3742337.36000	0.00862	509.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3742337.36000	0.01186	493.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3742337.36000	0.01616	483.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3742337.36000	0.02369	474.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3742337.36000	0.04073	470.60	817.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3742437.36000	0.00317	524.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3742437.36000	0.00372	513.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3742437.36000	0.00410	512.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3742437.36000	0.00442	515.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3742437.36000	0.00483	517.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3742437.36000	0.00534	519.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3742437.36000	0.00598	521.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3742437.36000	0.00756	507.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3742437.36000	0.00935	499.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3742437.36000	0.01175	493.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3742437.36000	0.01590	484.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3742437.36000	0.02352	474.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3742437.36000	0.04175	469.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3742537.36000	0.00363	506.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3742537.36000	0.00371	515.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3742537.36000	0.00371	531.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3742537.36000	0.00407	531.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3742537.36000	0.00425	544.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1

483492.23000	3742537.36000	0.00464	550.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3742537.36000	0.00541	542.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3742537.36000	0.00773	505.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3742537.36000	0.01013	490.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3742537.36000	0.01195	491.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3742537.36000	0.01635	481.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3742537.36000	0.02358	473.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3742537.36000	0.04079	469.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3742637.36000	0.00400	496.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3742637.36000	0.00410	504.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3742637.36000	0.00386	526.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3742637.36000	0.00406	535.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3742637.36000	0.00479	523.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3742637.36000	0.00508	533.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3742637.36000	0.00627	517.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3742637.36000	0.00816	499.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3742637.36000	0.01011	491.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3742637.36000	0.01261	485.30	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3742637.36000	0.01653	478.60	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3742637.36000	0.02328	473.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3742637.36000	0.04053	469.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3742737.36000	0.00451	485.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3742737.36000	0.00474	489.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3742737.36000	0.00503	492.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3742737.36000	0.00544	494.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3742737.36000	0.00602	495.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3742737.36000	0.00654	499.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3742737.36000	0.00729	501.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3742737.36000	0.00826	501.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3742737.36000	0.01011	492.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3742737.36000	0.01233	488.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3742737.36000	0.01578	482.80	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3742737.36000	0.02218	476.60	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3742737.36000	0.03907	471.00	817.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3742837.36000	0.00537	474.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3742837.36000	0.00565	476.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3742837.36000	0.00596	479.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3742837.36000	0.00646	481.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1

483392.23000	3742837.36000	0.00711	484.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3742837.36000	0.00800	488.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3742837.36000	0.00841	497.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3742837.36000	0.00833	514.90	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3742837.36000	0.00970	510.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3742837.36000	0.01229	497.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3742837.36000	0.01556	490.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3742837.36000	0.02132	480.50	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3742837.36000	0.03594	473.30	817.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3742937.36000	0.00585	467.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3742937.36000	0.00629	468.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3742937.36000	0.00643	472.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3742937.36000	0.00682	474.40	816.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3742937.36000	0.00741	477.40	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3742937.36000	0.00771	481.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3742937.36000	0.00795	491.10	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3742937.36000	0.00889	501.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3742937.36000	0.00946	508.30	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3742937.36000	0.01272	491.10	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3742937.36000	0.01514	489.60	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3742937.36000	0.01886	485.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3742937.36000	0.02678	479.30	817.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3743037.36000	0.00569	463.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3743037.36000	0.00601	465.50	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3743037.36000	0.00634	467.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3743037.36000	0.00670	470.00	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3743037.36000	0.00698	473.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3743037.36000	0.00729	478.10	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3743037.36000	0.00779	484.60	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3743037.36000	0.00848	490.60	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3743037.36000	0.00932	496.00	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3743037.36000	0.01030	501.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3743037.36000	0.01207	501.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3743037.36000	0.01497	496.00	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3743037.36000	0.01955	486.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3743137.36000	0.00493	460.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3743137.36000	0.00522	462.80	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3743137.36000	0.00556	465.30	817.00	0.00	ANNUAL	ALL	00000005	UCART1

483292.23000	3743137.36000	0.00594	467.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3743137.36000	0.00633	472.00	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3743137.36000	0.00679	476.40	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3743137.36000	0.00730	484.10	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3743137.36000	0.00790	492.80	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3743137.36000	0.00818	507.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3743137.36000	0.00878	517.60	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3743137.36000	0.00991	521.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3743137.36000	0.01193	516.10	817.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3743137.36000	0.01447	507.40	817.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3743237.36000	0.00462	458.00	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3743237.36000	0.00489	460.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3743237.36000	0.00522	462.10	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3743237.36000	0.00558	465.40	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3743237.36000	0.00600	469.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3743237.36000	0.00645	476.10	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3743237.36000	0.00698	484.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3743237.36000	0.00744	496.80	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3743237.36000	0.00685	533.20	807.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3743237.36000	0.00708	566.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3743237.36000	0.00802	583.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3743237.36000	0.00931	581.80	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3743237.36000	0.01078	562.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3743337.36000	0.00438	456.40	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3743337.36000	0.00466	458.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3743337.36000	0.00496	461.10	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3743337.36000	0.00531	464.20	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3743337.36000	0.00572	468.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3743337.36000	0.00621	474.10	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3743337.36000	0.00673	483.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3743337.36000	0.00639	517.80	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3743337.36000	0.00598	567.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3743337.36000	0.00634	618.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3743337.36000	0.00606	652.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3743337.36000	0.00605	660.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3743337.36000	0.00936	601.60	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3743437.36000	0.00419	456.00	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3743437.36000	0.00445	458.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1

483192.23000	3743437.36000	0.00474	461.10	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3743437.36000	0.00508	463.40	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3743437.36000	0.00548	469.30	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3743437.36000	0.00597	474.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3743437.36000	0.00628	496.90	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3743437.36000	0.00552	545.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3743437.36000	0.00550	603.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3743437.36000	0.00536	645.70	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3743437.36000	0.00343	684.50	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3743437.36000	0.00282	703.40	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3743437.36000	0.00676	652.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
482992.23000	3743537.36000	0.00401	456.40	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483092.23000	3743537.36000	0.00426	458.70	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483192.23000	3743537.36000	0.00454	462.00	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483292.23000	3743537.36000	0.00487	464.40	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483392.23000	3743537.36000	0.00528	470.50	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483492.23000	3743537.36000	0.00571	487.50	817.00	0.00	ANNUAL	ALL	00000005	UCART1
483592.23000	3743537.36000	0.00500	537.60	816.00	0.00	ANNUAL	ALL	00000005	UCART1
483692.23000	3743537.36000	0.00498	572.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483792.23000	3743537.36000	0.00519	615.10	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483892.23000	3743537.36000	0.00439	660.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
483992.23000	3743537.36000	0.00238	707.30	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484092.23000	3743537.36000	0.00170	741.20	765.00	0.00	ANNUAL	ALL	00000005	UCART1
484192.23000	3743537.36000	0.00295	698.00	765.00	0.00	ANNUAL	ALL	00000005	UCART1
486053.76000	3739441.06000	0.00359	450.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3739441.06000	0.00349	453.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3739441.06000	0.00338	456.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3739441.06000	0.00328	460.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3739441.06000	0.00317	463.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3739441.06000	0.00305	467.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3739441.06000	0.00292	471.20	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3739441.06000	0.00277	476.30	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3739441.06000	0.00259	482.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3739441.06000	0.00242	487.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3739441.06000	0.00223	493.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3739441.06000	0.00199	504.70	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3739541.06000	0.00370	450.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3739541.06000	0.00359	452.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3

486253.76000	3739541.06000	0.00348	456.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3739541.06000	0.00335	458.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3739541.06000	0.00324	462.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3739541.06000	0.00311	465.30	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3739541.06000	0.00297	469.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3739541.06000	0.00283	473.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3739541.06000	0.00266	478.40	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3739541.06000	0.00249	482.70	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3739541.06000	0.00226	492.20	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3739541.06000	0.00206	499.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3739641.06000	0.00382	449.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3739641.06000	0.00370	452.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3739641.06000	0.00358	455.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3739641.06000	0.00344	457.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3739641.06000	0.00332	460.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3739641.06000	0.00318	464.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3739641.06000	0.00304	467.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3739641.06000	0.00288	471.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3739641.06000	0.00271	476.20	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3739641.06000	0.00254	480.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3739641.06000	0.00234	487.40	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3739641.06000	0.00214	493.90	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3739741.06000	0.00393	448.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3739741.06000	0.00382	451.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3739741.06000	0.00368	454.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3739741.06000	0.00354	456.20	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3739741.06000	0.00340	459.20	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3739741.06000	0.00326	463.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3739741.06000	0.00310	466.70	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3739741.06000	0.00293	470.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3739741.06000	0.00275	476.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3739741.06000	0.00257	480.20	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3739741.06000	0.00229	492.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3739741.06000	0.00200	505.70	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3739841.06000	0.00406	447.50	719.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3739841.06000	0.00393	450.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3739841.06000	0.00378	452.30	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3739841.06000	0.00363	454.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3

486453.76000	3739841.06000	0.00348	457.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3739841.06000	0.00333	461.30	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3739841.06000	0.00317	464.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3739841.06000	0.00299	469.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3739841.06000	0.00281	472.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3739841.06000	0.00263	476.70	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3739841.06000	0.00237	487.30	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3739841.06000	0.00220	490.30	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3739941.06000	0.00420	446.40	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3739941.06000	0.00402	448.70	719.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3739941.06000	0.00388	450.90	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3739941.06000	0.00373	453.30	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3739941.06000	0.00357	456.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3739941.06000	0.00341	459.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3739941.06000	0.00324	462.30	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3739941.06000	0.00306	464.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3739941.06000	0.00289	468.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3739941.06000	0.00269	472.70	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3739941.06000	0.00250	477.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3739941.06000	0.00234	480.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3740041.06000	0.00433	445.00	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3740041.06000	0.00414	446.40	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3740041.06000	0.00396	448.60	724.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3740041.06000	0.00381	451.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3740041.06000	0.00364	453.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3740041.06000	0.00347	456.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3740041.06000	0.00330	459.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3740041.06000	0.00312	461.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3740041.06000	0.00294	464.70	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3740041.06000	0.00275	469.70	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3740041.06000	0.00255	474.20	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3740041.06000	0.00239	476.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3740141.06000	0.00446	442.10	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3740141.06000	0.00425	444.00	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3740141.06000	0.00406	446.00	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3740141.06000	0.00388	448.60	724.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3740141.06000	0.00372	452.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3740141.06000	0.00354	454.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3

486653.76000	3740141.06000	0.00336	456.50	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3740141.06000	0.00318	459.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3740141.06000	0.00300	463.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3740141.06000	0.00281	466.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3740141.06000	0.00261	470.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3740141.06000	0.00242	474.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3740241.06000	0.00458	438.90	676.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3740241.06000	0.00436	440.70	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3740241.06000	0.00416	444.00	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3740241.06000	0.00397	446.40	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3740241.06000	0.00379	449.60	719.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3740241.06000	0.00360	451.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3740241.06000	0.00342	454.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3740241.06000	0.00323	458.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3740241.06000	0.00304	461.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3740241.06000	0.00285	464.80	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3740241.06000	0.00265	468.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3740241.06000	0.00245	472.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3740341.06000	0.00474	437.70	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3740341.06000	0.00448	438.90	675.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3740341.06000	0.00426	441.60	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3740341.06000	0.00406	444.20	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3740341.06000	0.00386	447.30	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3740341.06000	0.00367	450.10	719.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3740341.06000	0.00348	453.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3740341.06000	0.00329	456.30	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3740341.06000	0.00309	460.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3740341.06000	0.00289	463.70	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3740341.06000	0.00269	466.70	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3740341.06000	0.00248	470.10	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3740441.06000	0.00490	437.00	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3740441.06000	0.00462	438.00	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3740441.06000	0.00437	439.30	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3740441.06000	0.00416	442.60	676.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3740441.06000	0.00395	445.80	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3740441.06000	0.00374	448.30	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3740441.06000	0.00354	451.50	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3740441.06000	0.00334	454.90	719.00	0.00	ANNUAL	ALL	00000005	UCART3

486853.76000	3740441.06000	0.00313	458.00	724.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3740441.06000	0.00293	460.60	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3740441.06000	0.00273	464.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3740441.06000	0.00252	468.00	725.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3740541.06000	0.00502	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3740541.06000	0.00477	437.80	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3740541.06000	0.00450	439.10	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3740541.06000	0.00426	441.50	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3740541.06000	0.00403	444.70	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3740541.06000	0.00381	447.10	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3740541.06000	0.00360	449.90	676.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3740541.06000	0.00339	452.60	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3740541.06000	0.00318	455.90	688.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3740541.06000	0.00297	458.50	688.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3740541.06000	0.00276	462.60	719.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3740541.06000	0.00256	465.00	719.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3740641.06000	0.00519	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3740641.06000	0.00492	437.00	437.00	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3740641.06000	0.00462	438.10	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3740641.06000	0.00437	440.50	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3740641.06000	0.00413	443.40	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3740641.06000	0.00389	445.60	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3740641.06000	0.00366	448.50	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3740641.06000	0.00343	451.80	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3740641.06000	0.00321	454.60	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3740641.06000	0.00300	457.50	671.00	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3740641.06000	0.00279	459.90	671.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3740641.06000	0.00260	462.10	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3740741.06000	0.00536	435.50	435.50	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3740741.06000	0.00507	436.80	436.80	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3740741.06000	0.00476	438.10	438.10	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3740741.06000	0.00448	440.00	440.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3740741.06000	0.00422	442.80	442.80	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3740741.06000	0.00397	445.10	445.10	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3740741.06000	0.00372	447.50	447.50	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3740741.06000	0.00348	450.80	450.80	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3740741.06000	0.00325	453.10	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3740741.06000	0.00303	455.50	671.00	0.00	ANNUAL	ALL	00000005	UCART3

487053.76000	3740741.06000	0.00282	457.80	671.00	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3740741.06000	0.00263	459.30	671.00	0.00	ANNUAL	ALL	00000005	UCART3
486053.76000	3740841.06000	0.00553	435.40	435.40	0.00	ANNUAL	ALL	00000005	UCART3
486153.76000	3740841.06000	0.00523	436.70	436.70	0.00	ANNUAL	ALL	00000005	UCART3
486253.76000	3740841.06000	0.00490	438.10	438.10	0.00	ANNUAL	ALL	00000005	UCART3
486353.76000	3740841.06000	0.00460	440.00	440.00	0.00	ANNUAL	ALL	00000005	UCART3
486453.76000	3740841.06000	0.00432	442.00	442.00	0.00	ANNUAL	ALL	00000005	UCART3
486553.76000	3740841.06000	0.00404	444.10	444.10	0.00	ANNUAL	ALL	00000005	UCART3
486653.76000	3740841.06000	0.00378	446.40	446.40	0.00	ANNUAL	ALL	00000005	UCART3
486753.76000	3740841.06000	0.00353	448.80	448.80	0.00	ANNUAL	ALL	00000005	UCART3
486853.76000	3740841.06000	0.00329	451.10	451.10	0.00	ANNUAL	ALL	00000005	UCART3
486953.76000	3740841.06000	0.00306	453.40	453.40	0.00	ANNUAL	ALL	00000005	UCART3
487053.76000	3740841.06000	0.00285	455.70	455.70	0.00	ANNUAL	ALL	00000005	UCART3
487153.76000	3740841.06000	0.00265	457.10	457.10	0.00	ANNUAL	ALL	00000005	UCART3
481367.86000	3742732.67000	0.00209	439.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481467.86000	3742732.67000	0.00225	440.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481567.86000	3742732.67000	0.00245	440.20	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481667.86000	3742732.67000	0.00265	441.30	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481767.86000	3742732.67000	0.00283	442.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481867.86000	3742732.67000	0.00298	443.90	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481967.86000	3742732.67000	0.00312	445.20	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482067.86000	3742732.67000	0.00323	452.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482167.86000	3742732.67000	0.00313	465.10	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482267.86000	3742732.67000	0.00253	495.60	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482367.86000	3742732.67000	0.00254	502.80	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482467.86000	3742732.67000	0.00285	495.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482567.86000	3742732.67000	0.00299	497.40	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482667.86000	3742732.67000	0.00358	484.50	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482767.86000	3742732.67000	0.00383	484.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482867.86000	3742732.67000	0.00418	483.30	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482967.86000	3742732.67000	0.00435	487.10	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481367.86000	3742832.67000	0.00212	439.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481467.86000	3742832.67000	0.00236	440.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481567.86000	3742832.67000	0.00274	440.90	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481667.86000	3742832.67000	0.00305	441.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481767.86000	3742832.67000	0.00324	442.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481867.86000	3742832.67000	0.00340	443.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481967.86000	3742832.67000	0.00355	444.30	765.00	0.00	ANNUAL	ALL	00000005	UCART2

482067.86000	3742832.67000	0.00366	449.60	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482167.86000	3742832.67000	0.00361	460.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482267.86000	3742832.67000	0.00324	474.90	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482367.86000	3742832.67000	0.00361	471.10	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482467.86000	3742832.67000	0.00367	475.30	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482567.86000	3742832.67000	0.00389	476.30	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482667.86000	3742832.67000	0.00431	473.10	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482767.86000	3742832.67000	0.00474	470.40	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482867.86000	3742832.67000	0.00495	472.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482967.86000	3742832.67000	0.00525	473.90	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481367.86000	3742932.67000	0.00214	440.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481467.86000	3742932.67000	0.00262	440.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481567.86000	3742932.67000	0.00284	440.90	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481667.86000	3742932.67000	0.00406	441.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481767.86000	3742932.67000	0.00360	442.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481867.86000	3742932.67000	0.00368	442.90	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481967.86000	3742932.67000	0.00384	444.30	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482067.86000	3742932.67000	0.00472	446.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482167.86000	3742932.67000	0.00413	450.10	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482267.86000	3742932.67000	0.00416	454.60	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482367.86000	3742932.67000	0.00438	455.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482467.86000	3742932.67000	0.00529	459.30	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482567.86000	3742932.67000	0.00469	462.60	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482667.86000	3742932.67000	0.00489	463.20	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482767.86000	3742932.67000	0.00520	463.20	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482867.86000	3742932.67000	0.00621	466.20	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482967.86000	3742932.67000	0.00573	467.20	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481367.86000	3743032.67000	0.00211	440.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481467.86000	3743032.67000	0.00247	440.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481567.86000	3743032.67000	0.00322	440.90	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481667.86000	3743032.67000	0.00356	441.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481767.86000	3743032.67000	0.00373	442.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481867.86000	3743032.67000	0.00386	442.90	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481967.86000	3743032.67000	0.00399	444.20	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482067.86000	3743032.67000	0.00410	446.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482167.86000	3743032.67000	0.00421	448.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482267.86000	3743032.67000	0.00431	451.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482367.86000	3743032.67000	0.00446	452.90	765.00	0.00	ANNUAL	ALL	00000005	UCART2

482467.86000	3743032.67000	0.00460	455.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482567.86000	3743032.67000	0.00477	457.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482667.86000	3743032.67000	0.00498	458.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482767.86000	3743032.67000	0.00520	459.80	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482867.86000	3743032.67000	0.00543	461.80	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482967.86000	3743032.67000	0.00570	463.40	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481367.86000	3743132.67000	0.00204	440.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481467.86000	3743132.67000	0.00224	440.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481567.86000	3743132.67000	0.00248	441.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481667.86000	3743132.67000	0.00268	441.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481767.86000	3743132.67000	0.00283	442.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481867.86000	3743132.67000	0.00297	442.90	765.00	0.00	ANNUAL	ALL	00000005	UCART2
481967.86000	3743132.67000	0.00310	444.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482067.86000	3743132.67000	0.00323	445.60	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482167.86000	3743132.67000	0.00336	447.40	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482267.86000	3743132.67000	0.00350	448.70	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482367.86000	3743132.67000	0.00364	450.40	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482467.86000	3743132.67000	0.00379	452.40	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482567.86000	3743132.67000	0.00396	454.40	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482667.86000	3743132.67000	0.00416	455.80	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482767.86000	3743132.67000	0.00439	457.00	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482867.86000	3743132.67000	0.00463	458.40	765.00	0.00	ANNUAL	ALL	00000005	UCART2
482967.86000	3743132.67000	0.00488	460.30	817.00	0.00	ANNUAL	ALL	00000005	UCART2
481109.54000	3739750.00000	0.00155	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART4
481209.54000	3739750.00000	0.00161	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART4
481309.54000	3739750.00000	0.00168	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART4
481409.54000	3739750.00000	0.00175	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART4
481509.54000	3739750.00000	0.00182	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART4
481609.54000	3739750.00000	0.00191	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART4
481709.54000	3739750.00000	0.00201	432.00	432.00	0.00	ANNUAL	ALL	00000005	UCART4
481809.54000	3739750.00000	0.00212	432.80	432.80	0.00	ANNUAL	ALL	00000005	UCART4
481909.54000	3739750.00000	0.00226	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482009.54000	3739750.00000	0.00244	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482109.54000	3739750.00000	0.00275	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482209.54000	3739750.00000	0.00381	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482309.54000	3739750.00000	0.00392	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482409.54000	3739750.00000	0.00313	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482509.54000	3739750.00000	0.00306	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4

482609.54000	3739750.00000	0.00311	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482709.54000	3739750.00000	0.00321	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482809.54000	3739750.00000	0.00334	433.90	433.90	0.00	ANNUAL	ALL	00000005	UCART4
482909.54000	3739750.00000	0.00350	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
483009.54000	3739750.00000	0.00369	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
483109.54000	3739750.00000	0.00390	434.80	434.80	0.00	ANNUAL	ALL	00000005	UCART4
481109.54000	3739850.00000	0.00157	432.10	432.10	0.00	ANNUAL	ALL	00000005	UCART4
481209.54000	3739850.00000	0.00163	432.10	432.10	0.00	ANNUAL	ALL	00000005	UCART4
481309.54000	3739850.00000	0.00170	432.10	432.10	0.00	ANNUAL	ALL	00000005	UCART4
481409.54000	3739850.00000	0.00177	432.10	432.10	0.00	ANNUAL	ALL	00000005	UCART4
481509.54000	3739850.00000	0.00185	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481609.54000	3739850.00000	0.00194	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481709.54000	3739850.00000	0.00204	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481809.54000	3739850.00000	0.00215	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481909.54000	3739850.00000	0.00229	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482009.54000	3739850.00000	0.00248	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482109.54000	3739850.00000	0.00280	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482209.54000	3739850.00000	0.00383	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
482309.54000	3739850.00000	0.00404	433.10	433.10	0.00	ANNUAL	ALL	00000005	UCART4
482409.54000	3739850.00000	0.00325	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
482509.54000	3739850.00000	0.00320	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
482609.54000	3739850.00000	0.00327	434.10	434.10	0.00	ANNUAL	ALL	00000005	UCART4
482709.54000	3739850.00000	0.00339	434.10	434.10	0.00	ANNUAL	ALL	00000005	UCART4
482809.54000	3739850.00000	0.00354	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
482909.54000	3739850.00000	0.00372	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
483009.54000	3739850.00000	0.00394	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
483109.54000	3739850.00000	0.00418	436.10	436.10	0.00	ANNUAL	ALL	00000005	UCART4
481109.54000	3739950.00000	0.00159	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481209.54000	3739950.00000	0.00165	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481309.54000	3739950.00000	0.00172	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481409.54000	3739950.00000	0.00180	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481509.54000	3739950.00000	0.00188	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481609.54000	3739950.00000	0.00197	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481709.54000	3739950.00000	0.00207	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481809.54000	3739950.00000	0.00218	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481909.54000	3739950.00000	0.00233	433.50	433.50	0.00	ANNUAL	ALL	00000005	UCART4
482009.54000	3739950.00000	0.00252	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
482109.54000	3739950.00000	0.00284	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4

482209.54000	3739950.00000	0.00385	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
482309.54000	3739950.00000	0.00419	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
482409.54000	3739950.00000	0.00342	434.50	434.50	0.00	ANNUAL	ALL	00000005	UCART4
482509.54000	3739950.00000	0.00341	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
482609.54000	3739950.00000	0.00351	435.30	435.30	0.00	ANNUAL	ALL	00000005	UCART4
482709.54000	3739950.00000	0.00364	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
482809.54000	3739950.00000	0.00381	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
482909.54000	3739950.00000	0.00400	436.30	436.30	0.00	ANNUAL	ALL	00000005	UCART4
483009.54000	3739950.00000	0.00422	437.50	437.50	0.00	ANNUAL	ALL	00000005	UCART4
483109.54000	3739950.00000	0.00450	438.30	438.30	0.00	ANNUAL	ALL	00000005	UCART4
481109.54000	3740050.00000	0.00161	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481209.54000	3740050.00000	0.00167	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481309.54000	3740050.00000	0.00174	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481409.54000	3740050.00000	0.00182	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481509.54000	3740050.00000	0.00190	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481609.54000	3740050.00000	0.00199	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481709.54000	3740050.00000	0.00210	433.90	433.90	0.00	ANNUAL	ALL	00000005	UCART4
481809.54000	3740050.00000	0.00221	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481909.54000	3740050.00000	0.00236	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
482009.54000	3740050.00000	0.00254	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
482109.54000	3740050.00000	0.00285	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
482209.54000	3740050.00000	0.00384	434.90	434.90	0.00	ANNUAL	ALL	00000005	UCART4
482309.54000	3740050.00000	0.00447	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
482409.54000	3740050.00000	0.00388	435.80	435.80	0.00	ANNUAL	ALL	00000005	UCART4
482509.54000	3740050.00000	0.00392	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
482609.54000	3740050.00000	0.00403	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
482709.54000	3740050.00000	0.00416	436.80	436.80	0.00	ANNUAL	ALL	00000005	UCART4
482809.54000	3740050.00000	0.00431	438.30	438.30	0.00	ANNUAL	ALL	00000005	UCART4
482909.54000	3740050.00000	0.00450	439.50	439.50	0.00	ANNUAL	ALL	00000005	UCART4
483009.54000	3740050.00000	0.00476	439.00	439.00	0.00	ANNUAL	ALL	00000005	UCART4
483109.54000	3740050.00000	0.00499	444.70	444.70	0.00	ANNUAL	ALL	00000005	UCART4
481109.54000	3740150.00000	0.00163	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481209.54000	3740150.00000	0.00169	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481309.54000	3740150.00000	0.00176	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481409.54000	3740150.00000	0.00184	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481509.54000	3740150.00000	0.00193	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481609.54000	3740150.00000	0.00202	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481709.54000	3740150.00000	0.00212	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4

481809.54000	3740150.00000	0.00224	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481909.54000	3740150.00000	0.00238	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
482009.54000	3740150.00000	0.00256	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
482109.54000	3740150.00000	0.00282	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
482209.54000	3740150.00000	0.00351	435.10	435.10	0.00	ANNUAL	ALL	00000005	UCART4
482309.54000	3740150.00000	0.00374	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
482409.54000	3740150.00000	0.00376	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
482509.54000	3740150.00000	0.00388	436.40	436.40	0.00	ANNUAL	ALL	00000005	UCART4
482609.54000	3740150.00000	0.00410	437.10	437.10	0.00	ANNUAL	ALL	00000005	UCART4
482709.54000	3740150.00000	0.00429	438.00	438.00	0.00	ANNUAL	ALL	00000005	UCART4
482809.54000	3740150.00000	0.00440	439.40	439.40	0.00	ANNUAL	ALL	00000005	UCART4
482909.54000	3740150.00000	0.00462	441.00	441.00	0.00	ANNUAL	ALL	00000005	UCART4
483009.54000	3740150.00000	0.00499	442.10	442.10	0.00	ANNUAL	ALL	00000005	UCART4
483109.54000	3740150.00000	0.00531	444.00	444.00	0.00	ANNUAL	ALL	00000005	UCART4
481109.54000	3740250.00000	0.00164	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481209.54000	3740250.00000	0.00171	433.00	433.00	0.00	ANNUAL	ALL	00000005	UCART4
481309.54000	3740250.00000	0.00178	433.50	433.50	0.00	ANNUAL	ALL	00000005	UCART4
481409.54000	3740250.00000	0.00186	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481509.54000	3740250.00000	0.00195	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481609.54000	3740250.00000	0.00204	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481709.54000	3740250.00000	0.00215	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481809.54000	3740250.00000	0.00226	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481909.54000	3740250.00000	0.00240	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
482009.54000	3740250.00000	0.00256	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
482109.54000	3740250.00000	0.00277	435.50	435.50	0.00	ANNUAL	ALL	00000005	UCART4
482209.54000	3740250.00000	0.00306	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
482309.54000	3740250.00000	0.00334	436.30	436.30	0.00	ANNUAL	ALL	00000005	UCART4
482409.54000	3740250.00000	0.00353	437.00	437.00	0.00	ANNUAL	ALL	00000005	UCART4
482509.54000	3740250.00000	0.00370	437.60	437.60	0.00	ANNUAL	ALL	00000005	UCART4
482609.54000	3740250.00000	0.00388	438.00	438.00	0.00	ANNUAL	ALL	00000005	UCART4
482709.54000	3740250.00000	0.00408	439.00	439.00	0.00	ANNUAL	ALL	00000005	UCART4
482809.54000	3740250.00000	0.00428	440.60	440.60	0.00	ANNUAL	ALL	00000005	UCART4
482909.54000	3740250.00000	0.00452	442.30	442.30	0.00	ANNUAL	ALL	00000005	UCART4
483009.54000	3740250.00000	0.00481	443.50	443.50	0.00	ANNUAL	ALL	00000005	UCART4
483109.54000	3740250.00000	0.00516	445.50	445.50	0.00	ANNUAL	ALL	00000005	UCART4
481109.54000	3740350.00000	0.00166	433.90	433.90	0.00	ANNUAL	ALL	00000005	UCART4
481209.54000	3740350.00000	0.00173	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481309.54000	3740350.00000	0.00180	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4

481409.54000	3740350.00000	0.00188	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481509.54000	3740350.00000	0.00197	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481609.54000	3740350.00000	0.00207	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481709.54000	3740350.00000	0.00217	434.50	434.50	0.00	ANNUAL	ALL	00000005	UCART4
481809.54000	3740350.00000	0.00229	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
481909.54000	3740350.00000	0.00242	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
482009.54000	3740350.00000	0.00257	435.90	435.90	0.00	ANNUAL	ALL	00000005	UCART4
482109.54000	3740350.00000	0.00274	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
482209.54000	3740350.00000	0.00293	436.30	436.30	0.00	ANNUAL	ALL	00000005	UCART4
482309.54000	3740350.00000	0.00311	437.00	437.00	0.00	ANNUAL	ALL	00000005	UCART4
482409.54000	3740350.00000	0.00329	437.80	437.80	0.00	ANNUAL	ALL	00000005	UCART4
482509.54000	3740350.00000	0.00347	438.00	438.00	0.00	ANNUAL	ALL	00000005	UCART4
482609.54000	3740350.00000	0.00365	439.00	439.00	0.00	ANNUAL	ALL	00000005	UCART4
482709.54000	3740350.00000	0.00385	440.00	440.00	0.00	ANNUAL	ALL	00000005	UCART4
482809.54000	3740350.00000	0.00405	442.00	442.00	0.00	ANNUAL	ALL	00000005	UCART4
482909.54000	3740350.00000	0.00430	443.50	443.50	0.00	ANNUAL	ALL	00000005	UCART4
483009.54000	3740350.00000	0.00458	445.00	445.00	0.00	ANNUAL	ALL	00000005	UCART4
483109.54000	3740350.00000	0.00490	447.30	447.30	0.00	ANNUAL	ALL	00000005	UCART4
481109.54000	3740450.00000	0.00168	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481209.54000	3740450.00000	0.00175	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481309.54000	3740450.00000	0.00182	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481409.54000	3740450.00000	0.00190	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481509.54000	3740450.00000	0.00199	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481609.54000	3740450.00000	0.00209	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
481709.54000	3740450.00000	0.00219	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
481809.54000	3740450.00000	0.00231	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
481909.54000	3740450.00000	0.00244	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
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482209.54000	3740450.00000	0.00289	437.00	437.00	0.00	ANNUAL	ALL	00000005	UCART4
482309.54000	3740450.00000	0.00305	437.70	437.70	0.00	ANNUAL	ALL	00000005	UCART4
482409.54000	3740450.00000	0.00323	438.00	438.00	0.00	ANNUAL	ALL	00000005	UCART4
482509.54000	3740450.00000	0.00341	439.00	439.00	0.00	ANNUAL	ALL	00000005	UCART4
482609.54000	3740450.00000	0.00360	440.00	440.00	0.00	ANNUAL	ALL	00000005	UCART4
482709.54000	3740450.00000	0.00379	442.00	442.00	0.00	ANNUAL	ALL	00000005	UCART4
482809.54000	3740450.00000	0.00401	443.00	443.00	0.00	ANNUAL	ALL	00000005	UCART4
482909.54000	3740450.00000	0.00426	444.70	444.70	0.00	ANNUAL	ALL	00000005	UCART4
483009.54000	3740450.00000	0.00453	447.10	447.10	0.00	ANNUAL	ALL	00000005	UCART4

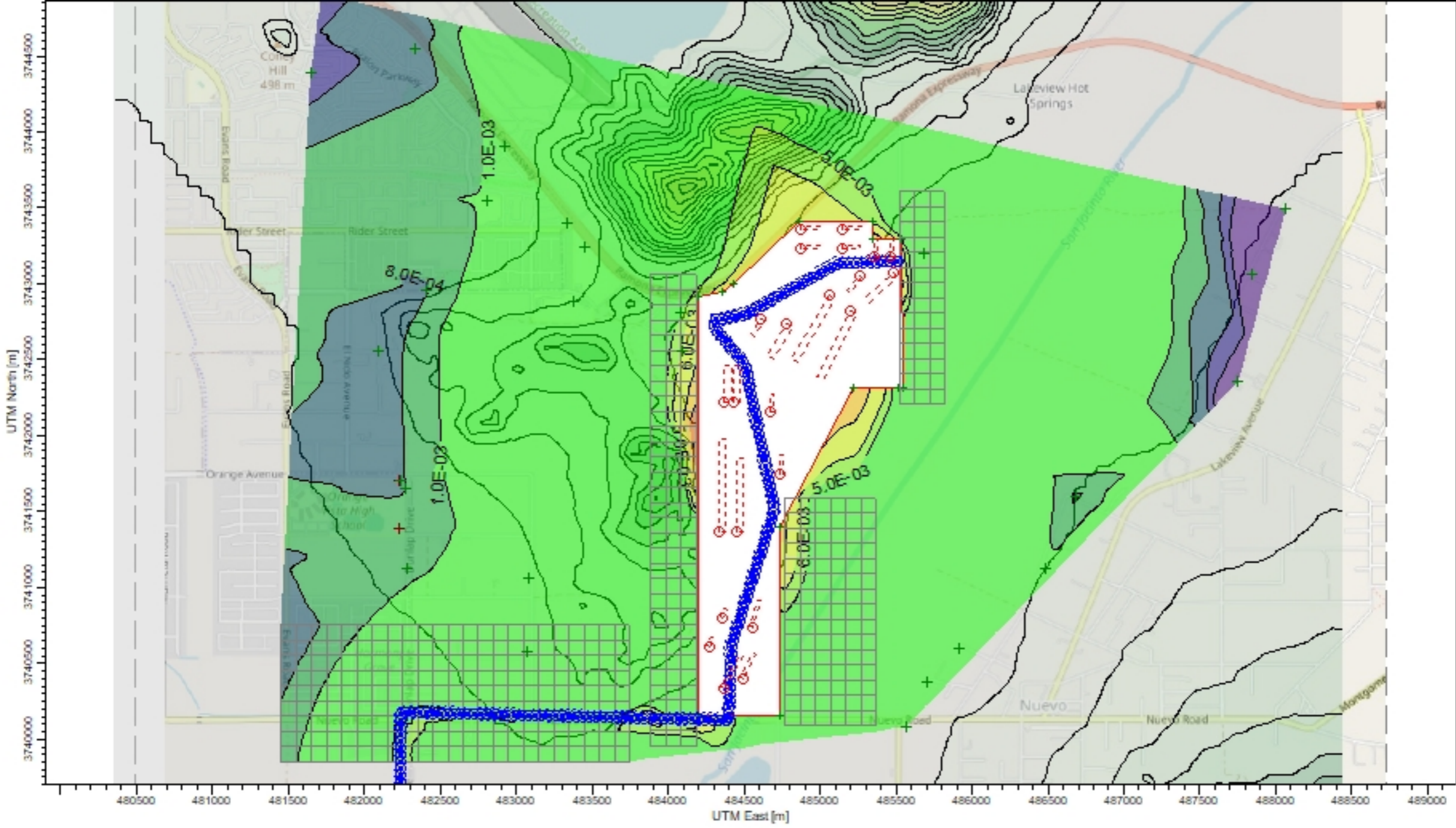
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481109.54000	3740550.00000	0.00169	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481209.54000	3740550.00000	0.00176	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481309.54000	3740550.00000	0.00184	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481409.54000	3740550.00000	0.00192	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
481509.54000	3740550.00000	0.00201	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
481609.54000	3740550.00000	0.00211	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
481709.54000	3740550.00000	0.00222	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
481809.54000	3740550.00000	0.00233	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
481909.54000	3740550.00000	0.00246	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
482009.54000	3740550.00000	0.00259	436.30	436.30	0.00	ANNUAL	ALL	00000005	UCART4
482109.54000	3740550.00000	0.00273	437.00	437.00	0.00	ANNUAL	ALL	00000005	UCART4
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482409.54000	3740550.00000	0.00322	438.50	438.50	0.00	ANNUAL	ALL	00000005	UCART4
482509.54000	3740550.00000	0.00340	440.00	440.00	0.00	ANNUAL	ALL	00000005	UCART4
482609.54000	3740550.00000	0.00359	441.00	441.00	0.00	ANNUAL	ALL	00000005	UCART4
482709.54000	3740550.00000	0.00380	442.50	442.50	0.00	ANNUAL	ALL	00000005	UCART4
482809.54000	3740550.00000	0.00403	444.00	444.00	0.00	ANNUAL	ALL	00000005	UCART4
482909.54000	3740550.00000	0.00429	445.60	445.60	0.00	ANNUAL	ALL	00000005	UCART4
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481109.54000	3740650.00000	0.00171	434.00	434.00	0.00	ANNUAL	ALL	00000005	UCART4
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481309.54000	3740650.00000	0.00186	434.30	434.30	0.00	ANNUAL	ALL	00000005	UCART4
481409.54000	3740650.00000	0.00194	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
481509.54000	3740650.00000	0.00203	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
481609.54000	3740650.00000	0.00213	435.00	435.00	0.00	ANNUAL	ALL	00000005	UCART4
481709.54000	3740650.00000	0.00224	435.90	435.90	0.00	ANNUAL	ALL	00000005	UCART4
481809.54000	3740650.00000	0.00235	436.00	436.00	0.00	ANNUAL	ALL	00000005	UCART4
481909.54000	3740650.00000	0.00247	436.30	436.30	0.00	ANNUAL	ALL	00000005	UCART4
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482209.54000	3740650.00000	0.00290	438.00	438.00	0.00	ANNUAL	ALL	00000005	UCART4
482309.54000	3740650.00000	0.00306	438.80	438.80	0.00	ANNUAL	ALL	00000005	UCART4
482409.54000	3740650.00000	0.00323	439.80	439.80	0.00	ANNUAL	ALL	00000005	UCART4
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482609.54000	3740650.00000	0.00361	442.00	442.00	0.00	ANNUAL	ALL	00000005	UCART4

482709.54000	3740650.00000	0.00382	443.80	443.80	0.00	ANNUAL	ALL	00000005	UCART4
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482909.54000	3740650.00000	0.00433	446.60	585.00	0.00	ANNUAL	ALL	00000005	UCART4
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482255.62000	3741499.48000	0.00312	447.00	765.00	0.00	ANNUAL	ALL	00000005	
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** CONCUNIT ug/m^3

** DEPUNIT g/m^2

Operations Modeling Data



** AERMAP - VERSION 18081

04/16/21

**

18:36:02

** Project: STONERIDGE COMMERCE CENTER PLUP OPERATIONS

**

** A total of 1 DEM files were used

** A total of 236 sources were processed

** No user-specified DOMAIN; all available data used

** ANCHORXY 0.00 0.00 0.00 0.00 11 3

** TERRHGTS EXTRACT

SO ELEVUNIT METERS

SO LOCATION	L0002002	VOLUME	485508.99	3743147.33	433.75
SO LOCATION	L0002003	VOLUME	485464.74	3743145.40	435.16
SO LOCATION	L0002004	VOLUME	485420.48	3743143.48	436.57
SO LOCATION	L0002005	VOLUME	485376.22	3743141.55	437.98
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SO LOCATION	L0002010	VOLUME	485154.93	3743131.93	443.03
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SO LOCATION	L0002021	VOLUME	484724.30	3742913.21	452.86
SO LOCATION	L0002022	VOLUME	484685.65	3742891.55	453.66
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SO LOCATION	L0002024	VOLUME	484608.37	3742848.22	455.72
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SO LOCATION	L0002028	VOLUME	484445.38	3742783.71	460.08
SO LOCATION	L0002029	VOLUME	484402.11	3742774.21	461.20
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SO LOCATION	L0002031	VOLUME	484400.42	3740161.07	431.00
SO LOCATION	L0002032	VOLUME	484402.09	3740205.34	431.59
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SO LOCATION	L0002038	VOLUME	484412.11	3740470.95	437.10
SO LOCATION	L0002039	VOLUME	484413.78	3740515.21	438.37
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SO LOCATION	L0002041	VOLUME	484417.13	3740603.75	441.68
SO LOCATION	L0002042	VOLUME	484427.87	3740646.44	443.42
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SO LOCATION	L0002046	VOLUME	484481.39	3740815.36	454.45
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SO LOCATION	L0002057	VOLUME	484628.58	3741279.91	452.15
SO LOCATION	L0002058	VOLUME	484641.96	3741322.14	450.17
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SO LOCATION	L0002062	VOLUME	484695.48	3741491.06	444.50
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SO LOCATION	L0002065	VOLUME	484679.84	3741620.71	444.63
SO LOCATION	L0002066	VOLUME	484671.00	3741664.12	444.64
SO LOCATION	L0002067	VOLUME	484662.15	3741707.53	444.93
SO LOCATION	L0002068	VOLUME	484653.31	3741750.94	445.45
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SO LOCATION	L0002073	VOLUME	484609.10	3741967.98	448.40
SO LOCATION	L0002074	VOLUME	484600.26	3742011.39	447.99
SO LOCATION	L0002075	VOLUME	484591.41	3742054.80	448.58
SO LOCATION	L0002076	VOLUME	484582.57	3742098.21	449.17
SO LOCATION	L0002077	VOLUME	484573.73	3742141.61	449.82
SO LOCATION	L0002078	VOLUME	484564.89	3742185.02	450.35
SO LOCATION	L0002079	VOLUME	484556.04	3742228.43	451.15
SO LOCATION	L0002080	VOLUME	484547.20	3742271.84	451.76
SO LOCATION	L0002081	VOLUME	484538.36	3742315.25	452.06
SO LOCATION	L0002082	VOLUME	484529.52	3742358.66	452.35
SO LOCATION	L0002083	VOLUME	484520.67	3742402.06	452.65
SO LOCATION	L0002084	VOLUME	484511.83	3742445.47	452.94
SO LOCATION	L0002085	VOLUME	484495.28	3742485.12	453.49
SO LOCATION	L0002086	VOLUME	484466.55	3742518.85	454.45
SO LOCATION	L0002087	VOLUME	484437.82	3742552.57	455.54
SO LOCATION	L0002088	VOLUME	484409.10	3742586.29	456.95
SO LOCATION	L0002089	VOLUME	484380.37	3742620.02	458.65
SO LOCATION	L0002090	VOLUME	484351.64	3742653.74	460.56

SO LOCATION	L0002091	VOLUME	484322.91	3742687.46	462.48
SO LOCATION	L0002092	VOLUME	484304.59	3742723.73	464.62
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SO LOCATION	AREA3	AREA	485146.39	3743355.17	446.76
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SO LOCATION	AREA5	AREA	485354.28	3743175.01	438.86
SO LOCATION	AREA6	AREA	485462.38	3743175.01	435.97
SO LOCATION	AREA7	AREA	485478.26	3743070.68	433.21
SO LOCATION	AREA8	AREA	485257.33	3743051.10	439.85
SO LOCATION	AREA9	AREA	485204.16	3742816.98	436.89
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SO LOCATION	AREA23	AREA	484552.97	3740735.43	440.73
SO LOCATION	AREA17	AREA	484333.27	3741371.59	474.79
SO LOCATION	AREA14	AREA	484428.16	3742215.00	456.73
SO LOCATION	AREA15	AREA	484371.32	3742215.00	460.88
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SO LOCATION	L0002155	VOLUME	484334.37	3740126.38	431.29
SO LOCATION	L0002156	VOLUME	484289.60	3740127.44	432.00
SO LOCATION	L0002157	VOLUME	484244.83	3740128.50	432.35
SO LOCATION	L0002158	VOLUME	484200.06	3740129.55	432.00
SO LOCATION	L0002159	VOLUME	484155.29	3740130.61	432.83
SO LOCATION	L0002160	VOLUME	484110.52	3740131.67	433.52
SO LOCATION	L0002161	VOLUME	484065.75	3740132.73	433.56
SO LOCATION	L0002162	VOLUME	484020.98	3740133.79	434.18
SO LOCATION	L0002163	VOLUME	483976.21	3740134.84	434.63
SO LOCATION	L0002164	VOLUME	483931.44	3740135.90	435.76
SO LOCATION	L0002165	VOLUME	483886.67	3740136.96	436.54
SO LOCATION	L0002166	VOLUME	483841.90	3740138.01	437.00
SO LOCATION	L0002167	VOLUME	483797.13	3740139.07	437.77
SO LOCATION	L0002168	VOLUME	483752.36	3740140.13	438.21
SO LOCATION	L0002169	VOLUME	483707.59	3740141.19	438.96
SO LOCATION	L0002170	VOLUME	483662.82	3740142.25	440.21
SO LOCATION	L0002171	VOLUME	483618.04	3740143.30	441.64
SO LOCATION	L0002172	VOLUME	483573.27	3740144.36	441.94
SO LOCATION	L0002173	VOLUME	483528.50	3740145.42	441.99
SO LOCATION	L0002174	VOLUME	483483.73	3740146.48	442.01
SO LOCATION	L0002175	VOLUME	483438.96	3740147.53	442.72
SO LOCATION	L0002176	VOLUME	483394.19	3740148.59	443.26
SO LOCATION	L0002177	VOLUME	483349.42	3740149.65	444.00

SO LOCATION	L0002178	VOLUME	483304.65	3740150.71	444.15
SO LOCATION	L0002179	VOLUME	483259.88	3740151.76	444.19
SO LOCATION	L0002180	VOLUME	483215.11	3740152.82	444.19
SO LOCATION	L0002181	VOLUME	483170.34	3740153.88	444.00
SO LOCATION	L0002182	VOLUME	483125.57	3740154.94	444.00
SO LOCATION	L0002183	VOLUME	483080.80	3740155.99	444.00
SO LOCATION	L0002184	VOLUME	483036.03	3740157.05	443.78
SO LOCATION	L0002185	VOLUME	482991.26	3740158.11	441.78
SO LOCATION	L0002186	VOLUME	482946.49	3740159.17	441.38
SO LOCATION	L0002187	VOLUME	482901.72	3740160.22	441.00
SO LOCATION	L0002188	VOLUME	482856.95	3740161.28	440.45
SO LOCATION	L0002189	VOLUME	482812.18	3740162.34	439.73
SO LOCATION	L0002190	VOLUME	482767.41	3740163.40	438.96
SO LOCATION	L0002191	VOLUME	482722.64	3740164.45	438.26
SO LOCATION	L0002192	VOLUME	482677.86	3740165.51	438.00
SO LOCATION	L0002193	VOLUME	482633.09	3740166.57	437.82
SO LOCATION	L0002194	VOLUME	482588.32	3740167.63	437.00
SO LOCATION	L0002195	VOLUME	482543.55	3740168.69	437.00
SO LOCATION	L0002196	VOLUME	482498.78	3740169.74	436.79
SO LOCATION	L0002197	VOLUME	482454.01	3740170.80	436.82
SO LOCATION	L0002198	VOLUME	482409.24	3740171.86	436.00
SO LOCATION	L0002199	VOLUME	482364.47	3740172.91	436.00
SO LOCATION	L0002200	VOLUME	482319.70	3740173.97	436.00
SO LOCATION	L0002201	VOLUME	482274.93	3740175.03	436.00
SO LOCATION	L0002202	VOLUME	482242.14	3740163.69	435.75
SO LOCATION	L0002203	VOLUME	482241.70	3740118.91	435.04
SO LOCATION	L0002204	VOLUME	482241.25	3740074.13	435.00
SO LOCATION	L0002205	VOLUME	482240.80	3740029.35	435.00
SO LOCATION	L0002206	VOLUME	482240.35	3739984.57	434.00
SO LOCATION	L0002207	VOLUME	482239.91	3739939.79	434.00
SO LOCATION	L0002208	VOLUME	482239.46	3739895.01	434.00
SO LOCATION	L0002209	VOLUME	482239.01	3739850.23	433.14
SO LOCATION	L0002210	VOLUME	482238.56	3739805.45	433.00
SO LOCATION	L0002211	VOLUME	482238.11	3739760.67	433.00
SO LOCATION	L0002212	VOLUME	482237.67	3739715.88	432.75
SO LOCATION	L0002213	VOLUME	482237.22	3739671.10	432.04
SO LOCATION	L0002214	VOLUME	482236.77	3739626.32	432.00
SO LOCATION	L0002215	VOLUME	482236.32	3739581.54	432.00
SO LOCATION	L0002216	VOLUME	482235.88	3739536.76	432.00
SO LOCATION	L0002217	VOLUME	482235.43	3739491.98	431.20
SO LOCATION	L0002218	VOLUME	482234.98	3739447.20	431.00
SO LOCATION	L0002219	VOLUME	482234.53	3739402.42	431.00
SO LOCATION	L0002220	VOLUME	482234.09	3739357.64	431.00
SO LOCATION	L0002221	VOLUME	482233.64	3739312.86	431.00
SO LOCATION	L0002222	VOLUME	482233.19	3739268.08	431.00
SO LOCATION	L0002223	VOLUME	482232.74	3739223.30	431.00
SO LOCATION	L0002224	VOLUME	482232.29	3739178.52	431.00
SO LOCATION	L0002225	VOLUME	482231.85	3739133.74	431.00
SO LOCATION	L0002226	VOLUME	482231.40	3739088.95	431.00
SO LOCATION	L0002227	VOLUME	482230.95	3739044.17	431.00

SO LOCATION	L0002228	VOLUME	482230.50	3738999.39	431.00
SO LOCATION	L0002229	VOLUME	482230.05	3738954.61	431.00
SO LOCATION	L0002230	VOLUME	482229.61	3738909.83	431.00
SO LOCATION	L0002231	VOLUME	482229.16	3738865.05	431.00
SO LOCATION	L0002232	VOLUME	482228.71	3738820.27	431.00
SO LOCATION	L0002233	VOLUME	482228.26	3738775.49	431.00
SO LOCATION	L0002234	VOLUME	482227.82	3738730.71	431.00
SO LOCATION	L0002235	VOLUME	482227.37	3738685.93	431.00
SO LOCATION	L0002236	VOLUME	482226.92	3738641.15	431.00
SO LOCATION	L0002237	VOLUME	482226.47	3738596.37	431.00
SO LOCATION	L0002238	VOLUME	482226.02	3738551.59	431.00
SO LOCATION	L0002239	VOLUME	482225.58	3738506.81	431.00
SO LOCATION	L0002240	VOLUME	482203.01	3738484.61	431.00
SO LOCATION	L0002241	VOLUME	482158.23	3738485.10	431.00
SO LOCATION	L0002242	VOLUME	482113.45	3738485.58	431.00
SO LOCATION	L0002243	VOLUME	482068.67	3738486.07	431.00
SO LOCATION	L0002244	VOLUME	482023.89	3738486.56	431.00
SO LOCATION	L0002245	VOLUME	481979.11	3738487.04	431.00
SO LOCATION	L0002246	VOLUME	481934.33	3738487.53	431.00
SO LOCATION	L0002247	VOLUME	481889.55	3738488.02	431.00
SO LOCATION	L0002248	VOLUME	481844.77	3738488.50	431.00
SO LOCATION	L0002249	VOLUME	481799.99	3738488.99	431.00
SO LOCATION	L0002250	VOLUME	481755.21	3738489.48	431.00
SO LOCATION	L0002251	VOLUME	481710.43	3738489.96	431.00
SO LOCATION	L0002252	VOLUME	481665.65	3738490.45	431.00
SO LOCATION	L0002253	VOLUME	481620.87	3738490.94	431.00
SO LOCATION	L0002254	VOLUME	481576.09	3738491.42	431.00
SO LOCATION	L0002255	VOLUME	481531.31	3738491.91	431.00
SO LOCATION	L0002256	VOLUME	481486.53	3738492.40	431.00
SO LOCATION	L0002257	VOLUME	481441.75	3738492.88	431.00
SO LOCATION	L0002258	VOLUME	481396.97	3738493.37	431.00
SO LOCATION	L0002259	VOLUME	481352.18	3738493.86	431.00
SO LOCATION	L0002260	VOLUME	481307.41	3738494.34	431.00
SO LOCATION	L0002261	VOLUME	481262.62	3738494.83	431.00
SO LOCATION	L0002262	VOLUME	481217.84	3738495.32	431.00
SO LOCATION	L0002263	VOLUME	481173.06	3738495.80	431.00
SO LOCATION	L0002264	VOLUME	481128.28	3738496.29	431.00
SO LOCATION	L0002265	VOLUME	481083.50	3738496.78	431.00
SO LOCATION	L0002266	VOLUME	481038.72	3738497.26	431.00
SO LOCATION	L0002267	VOLUME	480993.94	3738497.75	431.00
SO LOCATION	L0002268	VOLUME	480949.16	3738498.24	431.00
SO LOCATION	L0002269	VOLUME	480904.38	3738498.72	431.00
SO LOCATION	L0002270	VOLUME	480859.60	3738499.21	431.00
SO LOCATION	L0002271	VOLUME	480814.82	3738499.70	431.00
SO LOCATION	L0002272	VOLUME	480770.04	3738500.19	431.00
SO LOCATION	L0002273	VOLUME	480725.26	3738500.67	431.16
SO LOCATION	L0002274	VOLUME	480680.48	3738501.16	432.00

* AERMOD (19191): C:\Lakes\AERMOD View\Stoneridge Commerce Center
 Construction\Stoneri 04/16/21

* AERMET (16216):
 18:37:15

* MODELING OPTIONS USED: RegDEFAULT CONC ELEV URBAN ADJ_U*
 * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 581 RECEPTORS.
 * FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP
NUM YRS	NET ID						
483886.10000	3739960.53000	0.00319	433.00	487.00	0.00	ANNUAL	ALL
00000005	UCART1						
483986.10000	3739960.53000	0.00325	432.00	487.00	0.00	ANNUAL	ALL
00000005	UCART1						
484086.10000	3739960.53000	0.00331	431.00	431.00	0.00	ANNUAL	ALL
00000005	UCART1						
484186.10000	3739960.53000	0.00337	430.80	430.80	0.00	ANNUAL	ALL
00000005	UCART1						
483886.10000	3740060.53000	0.00561	434.80	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
483986.10000	3740060.53000	0.00578	433.10	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
484086.10000	3740060.53000	0.00598	432.00	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
484186.10000	3740060.53000	0.00619	432.00	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
483886.10000	3740160.53000	0.00685	437.30	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
483986.10000	3740160.53000	0.00498	435.50	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
484086.10000	3740160.53000	0.00489	434.50	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
484186.10000	3740160.53000	0.00504	432.50	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
483886.10000	3740260.53000	0.00387	440.60	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
483986.10000	3740260.53000	0.00396	438.30	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
484086.10000	3740260.53000	0.00410	436.80	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
484186.10000	3740260.53000	0.00433	435.60	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
483886.10000	3740360.53000	0.00287	445.90	585.00	0.00	ANNUAL	ALL
00000005	UCART1						
483986.10000	3740360.53000	0.00302	443.20	585.00	0.00	ANNUAL	ALL

00000005 UCART1							
484086.10000 3740360.53000	0.00321	440.40	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3740360.53000	0.00357	437.90	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3740460.53000	0.00221	463.70	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3740460.53000	0.00253	453.40	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3740460.53000	0.00289	446.20	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3740460.53000	0.00339	442.80	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3740560.53000	0.00191	476.90	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3740560.53000	0.00217	470.10	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3740560.53000	0.00267	454.70	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3740560.53000	0.00327	450.20	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3740660.53000	0.00163	494.70	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3740660.53000	0.00181	491.40	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3740660.53000	0.00243	471.30	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3740660.53000	0.00320	459.20	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3740760.53000	0.00157	500.20	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3740760.53000	0.00168	502.10	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3740760.53000	0.00228	482.90	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3740760.53000	0.00311	469.50	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3740860.53000	0.00174	490.90	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3740860.53000	0.00188	494.20	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3740860.53000	0.00240	483.10	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3740860.53000	0.00292	482.20	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3740960.53000	0.00180	491.40	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3740960.53000	0.00198	493.70	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3740960.53000	0.00247	486.60	765.00	0.00	ANNUAL	ALL	

00000005 UCART1							
484186.10000 3740960.53000	0.00289	489.80	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3741060.53000	0.00181	495.60	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3741060.53000	0.00198	499.20	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3741060.53000	0.00240	495.70	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3741060.53000	0.00246	510.30	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3741160.53000	0.00175	503.30	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3741160.53000	0.00203	502.80	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3741160.53000	0.00248	500.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3741160.53000	0.00293	503.70	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3741260.53000	0.00163	517.20	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3741260.53000	0.00195	513.40	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3741260.53000	0.00255	505.40	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3741260.53000	0.00330	505.30	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3741360.53000	0.00157	534.60	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3741360.53000	0.00197	522.50	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3741360.53000	0.00247	522.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3741360.53000	0.00413	501.10	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3741460.53000	0.00156	558.60	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3741460.53000	0.00198	539.60	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3741460.53000	0.00260	538.40	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3741460.53000	0.00479	504.30	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483886.10000 3741560.53000	0.00161	583.30	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
483986.10000 3741560.53000	0.00204	567.60	585.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484086.10000 3741560.53000	0.00292	537.30	765.00	0.00	ANNUAL	ALL	
00000005 UCART1							
484186.10000 3741560.53000	0.00727	492.80	765.00	0.00	ANNUAL	ALL	

00000005 UCART1								
483886.10000 3741660.53000	0.00177	551.50	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3741660.53000	0.00220	571.70	583.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3741660.53000	0.00338	527.90	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3741660.53000	0.00886	491.90	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3741760.53000	0.00200	531.60	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3741760.53000	0.00238	569.60	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3741760.53000	0.00365	536.70	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3741760.53000	0.00982	492.60	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3741860.53000	0.00202	543.60	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3741860.53000	0.00260	557.10	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3741860.53000	0.00389	542.70	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3741860.53000	0.01158	487.00	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3741960.53000	0.00207	555.90	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3741960.53000	0.00295	533.80	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3741960.53000	0.00452	521.40	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3741960.53000	0.01157	487.30	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3742060.53000	0.00276	512.10	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3742060.53000	0.00420	500.60	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3742060.53000	0.00690	489.80	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3742060.53000	0.01185	480.10	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3742160.53000	0.00337	498.30	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3742160.53000	0.00480	491.80	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3742160.53000	0.00730	481.50	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3742160.53000	0.01078	473.80	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3742260.53000	0.00309	508.30	765.00	0.00	ANNUAL	ALL		

00000005 UCART1								
483986.10000 3742260.53000	0.00491	489.40	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3742260.53000	0.00687	482.30	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3742260.53000	0.00947	472.10	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3742360.53000	0.00372	492.00	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3742360.53000	0.00500	484.00	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3742360.53000	0.00662	475.30	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3742360.53000	0.00860	470.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3742460.53000	0.00348	498.00	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3742460.53000	0.00472	486.50	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3742460.53000	0.00620	475.30	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3742460.53000	0.00808	469.60	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3742560.53000	0.00367	489.10	765.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3742560.53000	0.00467	480.90	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3742560.53000	0.00589	474.20	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3742560.53000	0.00772	469.60	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3742660.53000	0.00360	487.20	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3742660.53000	0.00446	479.70	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3742660.53000	0.00560	474.10	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3742660.53000	0.00734	469.80	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3742760.53000	0.00340	490.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3742760.53000	0.00414	484.90	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3742760.53000	0.00510	478.90	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3742760.53000	0.00666	471.80	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3742860.53000	0.00301	500.50	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3742860.53000	0.00377	490.90	817.00	0.00	ANNUAL	ALL		

00000005 UCART1								
484086.10000 3742860.53000	0.00468	481.90	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3742860.53000	0.00581	474.30	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3742960.53000	0.00309	492.60	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3742960.53000	0.00354	492.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3742960.53000	0.00419	487.10	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3742960.53000	0.00497	481.20	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483886.10000 3743060.53000	0.00269	504.60	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
483986.10000 3743060.53000	0.00304	504.10	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484086.10000 3743060.53000	0.00356	498.90	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
484186.10000 3743060.53000	0.00424	489.70	817.00	0.00	ANNUAL	ALL		
00000005 UCART1								
485524.53000 3742206.41000	0.00407	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3742206.41000	0.00324	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3742206.41000	0.00263	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3742206.41000	0.00217	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3742306.41000	0.00414	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3742306.41000	0.00324	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3742306.41000	0.00261	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3742306.41000	0.00214	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3742406.41000	0.00416	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3742406.41000	0.00323	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3742406.41000	0.00258	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3742406.41000	0.00210	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3742506.41000	0.00418	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3742506.41000	0.00324	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3742506.41000	0.00257	431.00	817.00	0.00	ANNUAL	ALL		

00000005 UCART2								
485824.53000 3742506.41000	0.00206	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3742606.41000	0.00429	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3742606.41000	0.00332	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3742606.41000	0.00258	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3742606.41000	0.00203	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3742706.41000	0.00471	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3742706.41000	0.00349	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3742706.41000	0.00259	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3742706.41000	0.00198	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3742806.41000	0.00555	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3742806.41000	0.00369	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3742806.41000	0.00256	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3742806.41000	0.00193	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3742906.41000	0.00695	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3742906.41000	0.00377	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3742906.41000	0.00249	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3742906.41000	0.00188	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3743006.41000	0.00917	431.10	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3743006.41000	0.00364	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3743006.41000	0.00243	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3743006.41000	0.00185	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3743106.41000	0.00816	432.20	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3743106.41000	0.00373	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3743106.41000	0.00244	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3743106.41000	0.00185	431.00	817.00	0.00	ANNUAL	ALL		

00000005 UCART2								
485524.53000 3743206.41000	0.00714	434.20	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3743206.41000	0.00360	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3743206.41000	0.00243	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3743206.41000	0.00185	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3743306.41000	0.00505	437.50	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3743306.41000	0.00327	433.10	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3743306.41000	0.00237	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3743306.41000	0.00184	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3743406.41000	0.00398	438.20	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3743406.41000	0.00297	434.90	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3743406.41000	0.00228	431.80	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3743406.41000	0.00181	431.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3743506.41000	0.00337	441.20	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3743506.41000	0.00271	437.90	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3743506.41000	0.00218	434.50	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3743506.41000	0.00177	432.00	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485524.53000 3743606.41000	0.00296	444.50	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485624.53000 3743606.41000	0.00248	442.20	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485724.53000 3743606.41000	0.00207	438.90	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
485824.53000 3743606.41000	0.00172	434.90	817.00	0.00	ANNUAL	ALL		
00000005 UCART2								
484767.99000 3740089.41000	0.00258	430.00	430.00	0.00	ANNUAL	ALL		
00000005 UCART3								
484867.99000 3740089.41000	0.00241	431.00	431.00	0.00	ANNUAL	ALL		
00000005 UCART3								
484967.99000 3740089.41000	0.00228	431.00	431.00	0.00	ANNUAL	ALL		
00000005 UCART3								
485067.99000 3740089.41000	0.00218	432.00	432.00	0.00	ANNUAL	ALL		
00000005 UCART3								
485167.99000 3740089.41000	0.00208	432.00	432.00	0.00	ANNUAL	ALL		

00000005 UCART3							
485267.99000 3740089.41000	0.00198	432.90	432.90	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3740089.41000	0.00188	433.00	433.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3740189.41000	0.00282	430.00	533.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3740189.41000	0.00260	430.00	533.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3740189.41000	0.00245	431.00	431.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3740189.41000	0.00233	431.60	431.60	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3740189.41000	0.00221	432.00	432.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3740189.41000	0.00209	432.00	432.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3740189.41000	0.00197	432.60	432.60	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3740289.41000	0.00304	430.00	585.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3740289.41000	0.00279	430.00	533.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3740289.41000	0.00263	431.00	533.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3740289.41000	0.00248	432.00	432.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3740289.41000	0.00234	432.00	432.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3740289.41000	0.00220	432.00	432.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3740289.41000	0.00205	432.00	432.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3740389.41000	0.00327	430.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3740389.41000	0.00301	430.90	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3740389.41000	0.00283	432.00	533.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3740389.41000	0.00265	432.00	533.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3740389.41000	0.00247	432.00	432.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3740389.41000	0.00230	432.00	432.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3740389.41000	0.00214	432.00	432.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3740489.41000	0.00354	430.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3740489.41000	0.00327	431.00	765.00	0.00	ANNUAL	ALL	

00000005 UCART3							
484967.99000 3740489.41000	0.00304	432.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3740489.41000	0.00281	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3740489.41000	0.00260	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3740489.41000	0.00240	432.00	432.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3740489.41000	0.00222	432.60	432.60	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3740589.41000	0.00391	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3740589.41000	0.00355	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3740589.41000	0.00326	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3740589.41000	0.00299	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3740589.41000	0.00273	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3740589.41000	0.00250	432.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3740589.41000	0.00229	432.60	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3740689.41000	0.00433	431.40	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3740689.41000	0.00387	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3740689.41000	0.00350	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3740689.41000	0.00316	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3740689.41000	0.00285	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3740689.41000	0.00259	432.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3740689.41000	0.00235	432.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3740789.41000	0.00477	431.20	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3740789.41000	0.00422	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3740789.41000	0.00375	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3740789.41000	0.00333	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3740789.41000	0.00296	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3740789.41000	0.00266	431.30	765.00	0.00	ANNUAL	ALL	

00000005 UCART3							
485367.99000 3740789.41000	0.00241	432.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3740889.41000	0.00533	432.40	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3740889.41000	0.00460	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3740889.41000	0.00398	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3740889.41000	0.00347	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3740889.41000	0.00305	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3740889.41000	0.00272	431.30	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3740889.41000	0.00246	432.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3740989.41000	0.00604	434.90	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3740989.41000	0.00498	432.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3740989.41000	0.00418	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3740989.41000	0.00357	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3740989.41000	0.00311	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3740989.41000	0.00278	431.90	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3740989.41000	0.00251	431.90	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3741089.41000	0.00679	437.60	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3741089.41000	0.00532	433.10	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3741089.41000	0.00432	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3741089.41000	0.00365	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3741089.41000	0.00317	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3741089.41000	0.00282	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3741089.41000	0.00256	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3741189.41000	0.00743	438.80	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3741189.41000	0.00557	434.90	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3741189.41000	0.00441	432.00	765.00	0.00	ANNUAL	ALL	

00000005 UCART3							
485067.99000 3741189.41000	0.00369	431.30	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3741189.41000	0.00321	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3741189.41000	0.00288	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3741189.41000	0.00264	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3741289.41000	0.00795	439.90	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3741289.41000	0.00569	436.10	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3741289.41000	0.00445	432.60	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3741289.41000	0.00372	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3741289.41000	0.00326	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3741289.41000	0.00296	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3741289.41000	0.00273	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3741389.41000	0.00840	440.80	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3741389.41000	0.00571	436.10	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3741389.41000	0.00442	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3741389.41000	0.00375	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3741389.41000	0.00334	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3741389.41000	0.00306	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3741389.41000	0.00285	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484767.99000 3741489.41000	0.00877	440.80	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3741489.41000	0.00570	436.90	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3741489.41000	0.00444	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3741489.41000	0.00383	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3741489.41000	0.00346	431.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3741489.41000	0.00321	431.00	817.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3741489.41000	0.00300	431.00	817.00	0.00	ANNUAL	ALL	

00000005 UCART3							
484767.99000 3741589.41000	0.00848	440.80	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484867.99000 3741589.41000	0.00568	436.10	765.00	0.00	ANNUAL	ALL	
00000005 UCART3							
484967.99000 3741589.41000	0.00450	431.00	817.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485067.99000 3741589.41000	0.00396	431.00	817.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485167.99000 3741589.41000	0.00364	431.00	817.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485267.99000 3741589.41000	0.00341	431.00	817.00	0.00	ANNUAL	ALL	
00000005 UCART3							
485367.99000 3741589.41000	0.00321	431.00	817.00	0.00	ANNUAL	ALL	
00000005 UCART3							
481449.93000 3739854.62000	0.00090	433.00	433.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481549.93000 3739854.62000	0.00099	433.00	433.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481649.93000 3739854.62000	0.00111	433.00	433.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481749.93000 3739854.62000	0.00127	433.00	433.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481849.93000 3739854.62000	0.00151	433.00	433.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481949.93000 3739854.62000	0.00188	433.00	433.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482049.93000 3739854.62000	0.00258	433.00	433.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482149.93000 3739854.62000	0.00453	433.00	433.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482249.93000 3739854.62000	0.00603	433.30	433.30	0.00	ANNUAL	ALL	
00000005 UCART4							
482349.93000 3739854.62000	0.00436	434.00	434.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482449.93000 3739854.62000	0.00303	434.00	434.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482549.93000 3739854.62000	0.00260	434.00	434.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482649.93000 3739854.62000	0.00241	434.30	434.30	0.00	ANNUAL	ALL	
00000005 UCART4							
482749.93000 3739854.62000	0.00231	434.50	434.50	0.00	ANNUAL	ALL	
00000005 UCART4							
482849.93000 3739854.62000	0.00226	435.00	435.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482949.93000 3739854.62000	0.00223	435.30	435.30	0.00	ANNUAL	ALL	
00000005 UCART4							
483049.93000 3739854.62000	0.00221	436.00	436.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483149.93000 3739854.62000	0.00221	436.50	436.50	0.00	ANNUAL	ALL	

00000005 UCART4								
483249.93000 3739854.62000	0.00221	436.30	436.30	0.00	ANNUAL	ALL		
00000005 UCART4								
483349.93000 3739854.62000	0.00222	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483449.93000 3739854.62000	0.00223	435.50	435.50	0.00	ANNUAL	ALL		
00000005 UCART4								
483549.93000 3739854.62000	0.00226	435.30	435.30	0.00	ANNUAL	ALL		
00000005 UCART4								
483649.93000 3739854.62000	0.00228	434.20	434.20	0.00	ANNUAL	ALL		
00000005 UCART4								
483749.93000 3739854.62000	0.00231	433.00	433.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481449.93000 3739954.62000	0.00088	433.00	433.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481549.93000 3739954.62000	0.00097	433.00	433.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481649.93000 3739954.62000	0.00108	433.00	433.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481749.93000 3739954.62000	0.00124	433.00	433.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481849.93000 3739954.62000	0.00147	433.60	433.60	0.00	ANNUAL	ALL		
00000005 UCART4								
481949.93000 3739954.62000	0.00183	433.90	433.90	0.00	ANNUAL	ALL		
00000005 UCART4								
482049.93000 3739954.62000	0.00253	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482149.93000 3739954.62000	0.00447	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482249.93000 3739954.62000	0.00579	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482349.93000 3739954.62000	0.00459	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482449.93000 3739954.62000	0.00340	434.70	434.70	0.00	ANNUAL	ALL		
00000005 UCART4								
482549.93000 3739954.62000	0.00307	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482649.93000 3739954.62000	0.00293	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482749.93000 3739954.62000	0.00287	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482849.93000 3739954.62000	0.00284	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482949.93000 3739954.62000	0.00282	437.20	437.20	0.00	ANNUAL	ALL		
00000005 UCART4								
483049.93000 3739954.62000	0.00282	438.00	438.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483149.93000 3739954.62000	0.00283	440.40	443.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483249.93000 3739954.62000	0.00285	438.60	438.60	0.00	ANNUAL	ALL		

00000005 UCART4								
483349.93000 3739954.62000	0.00288	438.60	438.60	0.00	ANNUAL	ALL		
00000005 UCART4								
483449.93000 3739954.62000	0.00291	438.20	438.20	0.00	ANNUAL	ALL		
00000005 UCART4								
483549.93000 3739954.62000	0.00295	437.60	437.60	0.00	ANNUAL	ALL		
00000005 UCART4								
483649.93000 3739954.62000	0.00300	436.40	487.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483749.93000 3739954.62000	0.00305	434.70	487.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481449.93000 3740054.62000	0.00085	433.00	433.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481549.93000 3740054.62000	0.00094	433.00	433.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481649.93000 3740054.62000	0.00104	433.60	433.60	0.00	ANNUAL	ALL		
00000005 UCART4								
481749.93000 3740054.62000	0.00119	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481849.93000 3740054.62000	0.00141	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481949.93000 3740054.62000	0.00175	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482049.93000 3740054.62000	0.00242	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482149.93000 3740054.62000	0.00435	434.30	434.30	0.00	ANNUAL	ALL		
00000005 UCART4								
482249.93000 3740054.62000	0.00596	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482349.93000 3740054.62000	0.00538	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482449.93000 3740054.62000	0.00454	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482549.93000 3740054.62000	0.00436	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482649.93000 3740054.62000	0.00430	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482749.93000 3740054.62000	0.00432	438.00	438.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482849.93000 3740054.62000	0.00434	439.00	439.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482949.93000 3740054.62000	0.00437	439.00	439.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483049.93000 3740054.62000	0.00442	443.00	445.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483149.93000 3740054.62000	0.00448	444.20	444.20	0.00	ANNUAL	ALL		
00000005 UCART4								
483249.93000 3740054.62000	0.00457	442.90	442.90	0.00	ANNUAL	ALL		
00000005 UCART4								
483349.93000 3740054.62000	0.00466	441.90	441.90	0.00	ANNUAL	ALL		

00000005 UCART4								
483449.93000 3740054.62000	0.00476	440.30	440.30	0.00	ANNUAL	ALL		
00000005 UCART4								
483549.93000 3740054.62000	0.00487	440.00	487.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483649.93000 3740054.62000	0.00499	438.70	487.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483749.93000 3740054.62000	0.00512	436.30	494.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481449.93000 3740154.62000	0.00082	433.00	433.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481549.93000 3740154.62000	0.00090	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481649.93000 3740154.62000	0.00101	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481749.93000 3740154.62000	0.00114	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481849.93000 3740154.62000	0.00133	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481949.93000 3740154.62000	0.00164	434.20	434.20	0.00	ANNUAL	ALL		
00000005 UCART4								
482049.93000 3740154.62000	0.00221	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482149.93000 3740154.62000	0.00384	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482249.93000 3740154.62000	0.00432	435.80	435.80	0.00	ANNUAL	ALL		
00000005 UCART4								
482349.93000 3740154.62000	0.00534	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482449.93000 3740154.62000	0.00534	436.30	436.30	0.00	ANNUAL	ALL		
00000005 UCART4								
482549.93000 3740154.62000	0.00526	437.00	437.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482649.93000 3740154.62000	0.00487	438.00	438.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482749.93000 3740154.62000	0.00482	438.50	438.50	0.00	ANNUAL	ALL		
00000005 UCART4								
482849.93000 3740154.62000	0.00508	440.20	440.20	0.00	ANNUAL	ALL		
00000005 UCART4								
482949.93000 3740154.62000	0.00538	441.30	441.30	0.00	ANNUAL	ALL		
00000005 UCART4								
483049.93000 3740154.62000	0.00484	444.00	444.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483149.93000 3740154.62000	0.00475	444.00	444.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483249.93000 3740154.62000	0.00494	444.30	444.30	0.00	ANNUAL	ALL		
00000005 UCART4								
483349.93000 3740154.62000	0.00362	444.00	444.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483449.93000 3740154.62000	0.00497	442.50	487.00	0.00	ANNUAL	ALL		

00000005 UCART4								
483549.93000 3740154.62000	0.00477	442.30	488.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483649.93000 3740154.62000	0.00487	441.00	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483749.93000 3740154.62000	0.00531	438.60	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481449.93000 3740254.62000	0.00080	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481549.93000 3740254.62000	0.00087	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481649.93000 3740254.62000	0.00096	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481749.93000 3740254.62000	0.00108	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481849.93000 3740254.62000	0.00125	434.70	434.70	0.00	ANNUAL	ALL		
00000005 UCART4								
481949.93000 3740254.62000	0.00149	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482049.93000 3740254.62000	0.00190	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482149.93000 3740254.62000	0.00273	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482249.93000 3740254.62000	0.00429	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482349.93000 3740254.62000	0.00479	436.60	436.60	0.00	ANNUAL	ALL		
00000005 UCART4								
482449.93000 3740254.62000	0.00473	437.00	437.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482549.93000 3740254.62000	0.00464	438.00	438.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482649.93000 3740254.62000	0.00454	438.60	438.60	0.00	ANNUAL	ALL		
00000005 UCART4								
482749.93000 3740254.62000	0.00445	439.70	439.70	0.00	ANNUAL	ALL		
00000005 UCART4								
482849.93000 3740254.62000	0.00435	441.40	441.40	0.00	ANNUAL	ALL		
00000005 UCART4								
482949.93000 3740254.62000	0.00426	443.00	443.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483049.93000 3740254.62000	0.00418	444.20	444.20	0.00	ANNUAL	ALL		
00000005 UCART4								
483149.93000 3740254.62000	0.00411	445.60	445.60	0.00	ANNUAL	ALL		
00000005 UCART4								
483249.93000 3740254.62000	0.00402	447.00	447.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483349.93000 3740254.62000	0.00400	446.30	469.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483449.93000 3740254.62000	0.00399	444.80	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483549.93000 3740254.62000	0.00396	444.00	585.00	0.00	ANNUAL	ALL		

00000005 UCART4								
483649.93000 3740254.62000	0.00393	443.90	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483749.93000 3740254.62000	0.00392	443.40	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481449.93000 3740354.62000	0.00077	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481549.93000 3740354.62000	0.00084	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481649.93000 3740354.62000	0.00092	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481749.93000 3740354.62000	0.00102	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481849.93000 3740354.62000	0.00116	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481949.93000 3740354.62000	0.00135	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482049.93000 3740354.62000	0.00161	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482149.93000 3740354.62000	0.00200	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482249.93000 3740354.62000	0.00239	437.00	437.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482349.93000 3740354.62000	0.00260	437.00	437.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482449.93000 3740354.62000	0.00269	438.00	438.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482549.93000 3740354.62000	0.00271	438.60	438.60	0.00	ANNUAL	ALL		
00000005 UCART4								
482649.93000 3740354.62000	0.00270	439.90	439.90	0.00	ANNUAL	ALL		
00000005 UCART4								
482749.93000 3740354.62000	0.00269	441.00	441.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482849.93000 3740354.62000	0.00266	442.60	442.60	0.00	ANNUAL	ALL		
00000005 UCART4								
482949.93000 3740354.62000	0.00263	444.00	444.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483049.93000 3740354.62000	0.00260	446.00	446.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483149.93000 3740354.62000	0.00256	448.00	448.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483249.93000 3740354.62000	0.00255	449.90	449.90	0.00	ANNUAL	ALL		
00000005 UCART4								
483349.93000 3740354.62000	0.00258	452.90	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483449.93000 3740354.62000	0.00252	456.10	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483549.93000 3740354.62000	0.00267	448.90	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483649.93000 3740354.62000	0.00253	456.40	585.00	0.00	ANNUAL	ALL		

00000005 UCART4								
483749.93000 3740354.62000	0.00250	457.80	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481449.93000 3740454.62000	0.00074	434.00	434.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481549.93000 3740454.62000	0.00080	434.10	434.10	0.00	ANNUAL	ALL		
00000005 UCART4								
481649.93000 3740454.62000	0.00088	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481749.93000 3740454.62000	0.00096	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481849.93000 3740454.62000	0.00107	435.10	435.10	0.00	ANNUAL	ALL		
00000005 UCART4								
481949.93000 3740454.62000	0.00122	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482049.93000 3740454.62000	0.00140	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482149.93000 3740454.62000	0.00161	437.00	437.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482249.93000 3740454.62000	0.00178	437.00	437.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482349.93000 3740454.62000	0.00190	438.00	438.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482449.93000 3740454.62000	0.00198	438.10	438.10	0.00	ANNUAL	ALL		
00000005 UCART4								
482549.93000 3740454.62000	0.00202	439.20	439.20	0.00	ANNUAL	ALL		
00000005 UCART4								
482649.93000 3740454.62000	0.00204	441.00	441.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482749.93000 3740454.62000	0.00204	442.10	442.10	0.00	ANNUAL	ALL		
00000005 UCART4								
482849.93000 3740454.62000	0.00203	443.80	443.80	0.00	ANNUAL	ALL		
00000005 UCART4								
482949.93000 3740454.62000	0.00202	446.00	446.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483049.93000 3740454.62000	0.00201	448.50	448.50	0.00	ANNUAL	ALL		
00000005 UCART4								
483149.93000 3740454.62000	0.00203	450.20	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483249.93000 3740454.62000	0.00207	452.60	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483349.93000 3740454.62000	0.00207	456.90	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483449.93000 3740454.62000	0.00190	467.10	474.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483549.93000 3740454.62000	0.00202	462.00	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483649.93000 3740454.62000	0.00198	467.40	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483749.93000 3740454.62000	0.00180	481.50	487.00	0.00	ANNUAL	ALL		

00000005 UCART4							
481449.93000 3740554.62000	0.00072	434.60	434.60	0.00	ANNUAL	ALL	
00000005 UCART4							
481549.93000 3740554.62000	0.00077	435.00	435.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481649.93000 3740554.62000	0.00083	435.00	435.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481749.93000 3740554.62000	0.00091	435.00	435.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481849.93000 3740554.62000	0.00100	436.00	436.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481949.93000 3740554.62000	0.00111	436.00	436.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482049.93000 3740554.62000	0.00124	437.00	437.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482149.93000 3740554.62000	0.00137	437.00	437.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482249.93000 3740554.62000	0.00147	438.00	438.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482349.93000 3740554.62000	0.00154	438.00	438.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482449.93000 3740554.62000	0.00161	439.00	439.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482549.93000 3740554.62000	0.00166	440.40	440.40	0.00	ANNUAL	ALL	
00000005 UCART4							
482649.93000 3740554.62000	0.00169	442.00	442.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482749.93000 3740554.62000	0.00170	443.00	443.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482849.93000 3740554.62000	0.00171	444.70	444.70	0.00	ANNUAL	ALL	
00000005 UCART4							
482949.93000 3740554.62000	0.00171	447.00	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483049.93000 3740554.62000	0.00173	450.30	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483149.93000 3740554.62000	0.00178	453.70	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483249.93000 3740554.62000	0.00178	458.60	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483349.93000 3740554.62000	0.00178	460.90	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483449.93000 3740554.62000	0.00177	465.00	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483549.93000 3740554.62000	0.00175	470.20	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483649.93000 3740554.62000	0.00170	478.10	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483749.93000 3740554.62000	0.00166	485.80	485.80	0.00	ANNUAL	ALL	
00000005 UCART4							
481449.93000 3740654.62000	0.00069	435.00	435.00	0.00	ANNUAL	ALL	

00000005 UCART4								
481549.93000 3740654.62000	0.00074	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481649.93000 3740654.62000	0.00080	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481749.93000 3740654.62000	0.00086	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481849.93000 3740654.62000	0.00094	436.00	436.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481949.93000 3740654.62000	0.00103	437.00	437.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482049.93000 3740654.62000	0.00112	437.00	437.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482149.93000 3740654.62000	0.00121	438.00	438.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482249.93000 3740654.62000	0.00128	438.00	438.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482349.93000 3740654.62000	0.00134	439.00	439.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482449.93000 3740654.62000	0.00139	440.00	440.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482549.93000 3740654.62000	0.00144	441.60	441.60	0.00	ANNUAL	ALL		
00000005 UCART4								
482649.93000 3740654.62000	0.00147	442.90	442.90	0.00	ANNUAL	ALL		
00000005 UCART4								
482749.93000 3740654.62000	0.00149	444.00	444.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482849.93000 3740654.62000	0.00151	445.60	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
482949.93000 3740654.62000	0.00153	448.00	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483049.93000 3740654.62000	0.00156	450.30	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483149.93000 3740654.62000	0.00161	455.30	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483249.93000 3740654.62000	0.00162	460.00	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483349.93000 3740654.62000	0.00162	464.30	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483449.93000 3740654.62000	0.00165	467.20	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483549.93000 3740654.62000	0.00162	474.90	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483649.93000 3740654.62000	0.00169	474.60	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
483749.93000 3740654.62000	0.00162	485.80	585.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481449.93000 3740754.62000	0.00067	435.00	435.00	0.00	ANNUAL	ALL		
00000005 UCART4								
481549.93000 3740754.62000	0.00071	435.00	435.00	0.00	ANNUAL	ALL		

00000005 UCART4							
481649.93000 3740754.62000	0.00076	436.00	436.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481749.93000 3740754.62000	0.00082	436.00	436.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481849.93000 3740754.62000	0.00089	437.00	437.00	0.00	ANNUAL	ALL	
00000005 UCART4							
481949.93000 3740754.62000	0.00096	437.00	437.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482049.93000 3740754.62000	0.00104	438.00	438.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482149.93000 3740754.62000	0.00110	438.30	438.30	0.00	ANNUAL	ALL	
00000005 UCART4							
482249.93000 3740754.62000	0.00115	439.20	439.20	0.00	ANNUAL	ALL	
00000005 UCART4							
482349.93000 3740754.62000	0.00120	440.00	440.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482449.93000 3740754.62000	0.00125	441.50	441.50	0.00	ANNUAL	ALL	
00000005 UCART4							
482549.93000 3740754.62000	0.00129	442.80	442.80	0.00	ANNUAL	ALL	
00000005 UCART4							
482649.93000 3740754.62000	0.00133	444.00	444.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482749.93000 3740754.62000	0.00136	445.50	765.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482849.93000 3740754.62000	0.00138	447.20	765.00	0.00	ANNUAL	ALL	
00000005 UCART4							
482949.93000 3740754.62000	0.00140	449.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483049.93000 3740754.62000	0.00145	451.60	765.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483149.93000 3740754.62000	0.00150	455.70	765.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483249.93000 3740754.62000	0.00152	460.00	765.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483349.93000 3740754.62000	0.00154	465.50	765.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483449.93000 3740754.62000	0.00156	470.20	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483549.93000 3740754.62000	0.00159	474.00	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483649.93000 3740754.62000	0.00161	479.10	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
483749.93000 3740754.62000	0.00166	481.90	585.00	0.00	ANNUAL	ALL	
00000005 UCART4							
484091.43000 3742557.73000	0.00598	473.94	817.00	0.00	ANNUAL	ALL	
00000005							
483445.55000 3743236.87000	0.00185	473.02	817.00	0.00	ANNUAL	ALL	
00000005							
483373.48000 3742884.83000	0.00174	480.16	765.00	0.00	ANNUAL	ALL	

00000005								
483334.67000	3743397.65000	0.00163	465.75	817.00	0.00	ANNUAL	ALL	
00000005								
482921.65000	3743902.15000	0.00108	452.80	817.00	0.00	ANNUAL	ALL	
00000005								
482338.44000	3744552.56000	0.00071	447.00	817.00	0.00	ANNUAL	ALL	
00000005								
481720.48000	3744906.65000	0.00052	447.33	765.00	0.00	ANNUAL	ALL	
00000005								
481647.63000	3744385.89000	0.00050	444.00	765.00	0.00	ANNUAL	ALL	
00000005								
482809.27000	3743547.06000	0.00102	452.62	817.00	0.00	ANNUAL	ALL	
00000005								
482404.05000	3742961.89000	0.00078	455.83	765.00	0.00	ANNUAL	ALL	
00000005								
482093.27000	3742559.02000	0.00068	454.88	765.00	0.00	ANNUAL	ALL	
00000005								
483081.08000	3741065.77000	0.00129	456.00	765.00	0.00	ANNUAL	ALL	
00000005								
482283.94000	3741123.86000	0.00093	443.47	765.00	0.00	ANNUAL	ALL	
00000005								
483075.07000	3740575.07000	0.00171	451.17	585.00	0.00	ANNUAL	ALL	
00000005								
485565.67000	3740078.39000	0.00168	435.00	435.00	0.00	ANNUAL	ALL	
00000005								
485706.50000	3740373.80000	0.00167	434.88	434.88	0.00	ANNUAL	ALL	
00000005								
485920.11000	3740601.54000	0.00152	435.00	435.00	0.00	ANNUAL	ALL	
00000005								
486482.14000	3741125.34000	0.00102	440.00	440.00	0.00	ANNUAL	ALL	
00000005								
486686.97000	3741601.84000	0.00077	440.00	440.00	0.00	ANNUAL	ALL	
00000005								
487752.17000	3742354.42000	0.00031	444.03	817.00	0.00	ANNUAL	ALL	
00000005								
487841.90000	3743062.13000	0.00029	441.00	817.00	0.00	ANNUAL	ALL	
00000005								
488066.22000	3743491.97000	0.00026	441.00	817.00	0.00	ANNUAL	ALL	
00000005								
485684.63000	3743194.60000	0.00280	431.00	817.00	0.00	ANNUAL	ALL	
00000005								
484084.40000	3742805.08000	0.00488	481.32	817.00	0.00	ANNUAL	ALL	
00000005								
482239.84000	3741707.55000	0.00078	449.05	765.00	0.00	ANNUAL	ALL	
00000005								
482272.70000	3741650.05000	0.00080	448.50	765.00	0.00	ANNUAL	ALL	
00000005								
484200.22000	3742916.26000	0.00546	477.33	817.00	0.00	ANNUAL	ALL	
00000005								
484200.22000	3740154.09000	0.00715	432.27	585.00	0.00	ANNUAL	ALL	

00000005								
484735.58000	3740154.09000	0.00282	430.00	533.00	0.00	ANNUAL	ALL	
00000005								
484730.35000	3741401.91000	0.01062	442.66	765.00	0.00	ANNUAL	ALL	
00000005								
485219.99000	3742313.64000	0.01008	431.00	817.00	0.00	ANNUAL	ALL	
00000005								
485512.10000	3742313.64000	0.00428	431.00	817.00	0.00	ANNUAL	ALL	
00000005								
485548.61000	3742313.64000	0.00390	431.00	817.00	0.00	ANNUAL	ALL	
00000005								
485539.48000	3743299.49000	0.00472	436.49	817.00	0.00	ANNUAL	ALL	
00000005								
485347.79000	3743299.49000	0.00943	443.29	817.00	0.00	ANNUAL	ALL	
00000005								
485347.79000	3743409.03000	0.00575	443.31	817.00	0.00	ANNUAL	ALL	
00000005								
484863.99000	3743409.03000	0.00741	458.12	817.00	0.00	ANNUAL	ALL	
00000005								
484434.96000	3742998.26000	0.00648	467.55	817.00	0.00	ANNUAL	ALL	
00000005								
484352.81000	3742943.49000	0.00655	469.73	817.00	0.00	ANNUAL	ALL	
00000005								
482223.42000	3741387.23000	0.00083	445.78	765.00	0.00	ANNUAL	ALL	
00000005								
482223.42000	3741707.55000	0.00078	448.83	765.00	0.00	ANNUAL	ALL	
00000005								

** CONCUNIT ug/m^3

** DEPUNIT g/m^2