



## Memorandum

**Date:** April 1, 2022  
Updated October 18, 2022

**To:** Joanna Julian, Thompson-Dorfman Partners, LLC

**From:** Philip Ault, Director of Noise and Air Quality  
Kimber Johnson, Senior Air Quality Scientist

**Subject:** Air Quality and Greenhouse Gas Emissions Analysis for the Mallard Pointe Improvement Project

---

This memorandum summarizes the findings of the air quality and greenhouse gas emissions analysis conducted by FirstCarbon Solutions (FCS) for the proposed Mallard Pointe Improvement Project (proposed project) located along Mallard Road, in Belvedere, California. This analysis serves to support the proposed project's Class 32 categorical exemption under the California Environmental Quality Act (CEQA).

### PROJECT UNDERSTANDING

The proposed project would demolish 11 existing duplex buildings containing 22 residential units along Mallard Road and redevelop the 2.8-acre Mallard Pointe site in Belvedere, California. The redevelopment of the site would include six single-family residences, 10 duplexes, and 23 apartment units. The proposed project would develop 42 units (including the proposed Accessory Dwelling Units [ADUs]) on 2.8 acres, which would result in an average housing density of 15 units per acre.

### AIR QUALITY ASSESSMENT

Pursuant to CEQA Guidelines regarding streamlining projects qualifying for a Class 32 exemption, potential impacts that are not peculiar to the proposed project or project site that can be mitigated to a less than significant level by the imposition of City regulations and consistency with the General Plan programs and policies does not require additional analysis.

### Clean Air Plan Consistency

A measure for determining whether the proposed project supports the primary goals of the applicable air quality plan, the Bay Area Air Quality Management District (BAAQMD) 2017 Clean Air Plan, is if the proposed project would not result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the air quality plans. This measure is determined by evaluating whether the proposed project was reasonably accounted for in the Clean Air Plan.



The BAAQMD compiles the regional emissions inventory for the San Francisco Bay Area Air Basin (Air Basin). In part, the regional population, housing, and employment projections developed by the Association of Bay Area Governments (ABAG) are based on local general plan land use patterns. These projections form the foundation for the emissions inventory of the 2017 Clean Air Plan. These demographic trends are incorporated into Plan Bay Area, compiled by ABAG and the Metropolitan Transportation Commission (MTC), to determine priority transportation projects and Vehicle Miles Traveled (VMT) in the Bay Area. Projects consistent with the applicable local general plan’s buildout potential are considered consistent with the regional air quality plan.

The project parcel is designated as "Medium Density Multi-Family Residential" according to the Belvedere General Plan (General Plan), which allows for a housing density of up to 20 dwelling units per acre.<sup>1</sup> The proposed project would develop 42 units (including the proposed Accessory Dwelling Units) on 2.8 acres, which would result in an average housing density of 15 units per acre. Therefore, the proposed project would not add a greater number of residents than what was anticipated in the General Plan. Additionally, the proposed project would not conflict with the BAAQMD 2017 Clean Air Plan as shown in Table 1. Therefore, the proposed project would be consistent with the buildout potential of the General Plan and subsequent population growth projections in the BAAQMD 2017 Clean Air Plan. **As such, the proposed project would be consistent with the 2017 Clean Air Plan and this air quality impact would be less than significant.**

**Table 1: Project Consistency with Clean Air**

Control Measure	Project Consistency
<b>Buildings Control Measures</b>	
<b>BL1:</b> Green Buildings	<b>Consistent.</b> The proposed project would not conflict with implementation of this measure. The proposed project would comply with the latest energy efficiency standards and incorporate applicable energy efficiency features designed to reduce project energy consumption.
<b>BL4:</b> Urban Heat Island Mitigation	<b>Consistent.</b> The proposed project would include 0.9 acre of landscaped and bioretention basin area, which would include the planting of shade trees and would serve to reduce stormwater runoff; hence reducing the urban heat island effect.
<b>Energy Control Measures</b>	
<b>EN1:</b> Decarbonize Electricity Generation	<b>Consistent.</b> The project applicant would, at a minimum, be required to conform to the energy efficiency requirements of the California Building Standards Code, also known as Title 24. For example, the proposed project would be required to install solar photovoltaic
<b>EN2:</b> Decrease Electricity Demand	

<sup>1</sup> City of Belvedere. Belvedere General Plan. Website: <https://www.cityofbelvedere.org/213/General-Plan-Housing>. Accessed January 19, 2022.

Control Measure	Project Consistency
	systems that are compliant with Title 24 Standards. Additionally, the proposed project would apply energy-efficient and low-flow fixtures, increased insulation, and solar hot water devices that would reduce energy use.
<b>Natural and Working Lands Control Measures</b>	
<b>NW2:</b> Urban Tree Planting	<b>Consistent.</b> The proposed project would include 0.9 acre of landscaped and bioretention basin area. Plantings would include trees, shrubs, and groundcover.
<b>WA3:</b> Green Waste Diversion <b>WA4:</b> Recycling and Waste Reduction	<b>Consistent.</b> The waste service provider for the proposed project will be required to meet the Assembly Bill (AB) 341 Mandatory Commercial Recycling. In addition, AB 1383 Organic Waste Collection went into effect on January 1, 2022, which aims to reduce organic waste disposal by 75 percent by 2025.
<b>Stationary Control Measures</b>	
<b>SS36:</b> Particulate Matter from Trackout	<b>Consistent with mitigation.</b> BAAQMD’s recommended BMPs for construction fugitive dust control would be implemented to reduce fugitive dust and trackout during project construction. In addition, mud and dirt that may be tracked out onto the nearby public roads during construction activities shall be removed promptly by the contractor based on BAAQMD’s requirements. Therefore, the proposed project would be consistent with this measure.
<b>SS37:</b> Particulate Matter from Asphalt Operations	<b>Consistent.</b> Asphalt used during the construction of the proposed project would be subject to BAAQMD Regulation 8, Rule 15-Emulsified and Liquid Asphalts. Although this rule does not directly apply to the proposed project, it does limit the reactive organic gas (ROG) content of asphalt available for use during construction through regulating the sale and use of asphalt. By using asphalt from facilities that meet BAAQMD regulations, the proposed project would be consistent with this Clean Air Plan measure.
<b>Transportation Control Measures</b>	
<b>TR9:</b> Bicycle and Pedestrian Access and Facilities.	<b>Consistent.</b> There will be sidewalks constructed on Mallard Road and Community Road that connect to the nearest arterial road. The project site is within 400 feet of City Hall and public parks that would encourage walking and bicycling. Therefore, the proposed project would not conflict with the BAAQMD’s efforts to encourage planning for pedestrian and bicycle facilities.

Source: Bay Area Air Quality Management District (BAAQMD). 2017. Final 2017 Clean Air Plan.

## Cumulative Criteria Pollutant Emissions Impacts

The BAAQMD has screening criteria for project construction and operation in its 2017 CEQA Air Quality Guidelines.<sup>2</sup> If all screening criteria are met by the proposed project, then a detailed air quality assessment is not necessary. These screening criteria consider new development on greenfield sites without any form of mitigation, project design features, or local development requirements that may result in additional emissions reductions.<sup>3</sup> For project construction, all of the following screening criteria must be met to apply the screening criteria to determine whether the proposed project's construction emissions can be considered less than significant:

- The project is below the applicable screening level size shown in Table 3-1 of the BAAQMD 2017 CEQA Air Quality Guidelines.
- All *Basic Construction Mitigation Measures* would be included in the project design and implemented during construction.
- Construction-related activities would not include any of the following:
  - Demolition;
  - Simultaneous occurrence of more than two construction phases (e.g., paving and building construction would occur simultaneously);
  - Simultaneous construction of more than one land use type (e.g., project would develop residential and commercial uses on the same site) (not applicable to high density infill development);
  - Extensive site preparation (i.e., greater than default assumptions used by the Urban Land Use Emissions Model [URBEMIS] for grading, cut/fill, or earth movement); or
  - Extensive material transport (e.g., greater than 10,000 cubic yards of soil import/export) requiring a considerable amount of haul truck activity.

The most applicable construction screening criteria for the proposed project is 240 dwelling units, identified under the "Condo/townhouse, general" land use type in Table 3-1 of the BAAQMD 2017 CEQA Air Quality Guidelines. As a result, the proposed project consisting of 42 dwelling units would be well below the BAAQMD's most applicable screening criteria of 240 dwelling units. However, the BAAQMD specifies that the screening tables should not be used when a project consists of more than land use. Although the proposed project is residential in nature, it includes a mix of residential land use types. In addition, the proposed project would involve demolition activities. As a result, the proposed project cannot be screened out according to the BAAQMD's construction screening criteria. As such, emissions associated with project construction were quantified and are compared below against the applicable BAAQMD significance thresholds.

---

<sup>2</sup> Bay Area Air Quality Management District (BAAQMD). 2017. California Environmental Quality Act (CEQA) Air Quality Guidelines. May. Website: [https://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa\\_guidelines\\_may2017-pdf.pdf?la=en](https://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en). Accessed January 19, 2022.

<sup>3</sup> Ibid.

## Estimation of Criteria Air Pollutants

As the proposed project would result the demolition activities of approximately 34,103 square feet of buildings and 55,480 square feet of pavement, the proposed project would not meet the construction screening criteria. Therefore, construction emissions have been quantified and measured against the BAAQMD significance thresholds, as shown in Table 2. The construction emissions were quantified by applying the CalEEMod (Version 2020.4.0) land use emission model. Land use summary, demolition calculation, cut and fill volume, construction schedule, and operational vehicle trips are based on applicant-provided information; all other information are based on CalEEMod defaults. Please refer to the “CalEEMod Notes” document contained in Attachment A for more detailed modeling assumptions.

**As shown below in Table 2, the proposed project’s construction emissions would not exceed BAAQMD significance thresholds, and this impact would be less than significant.**

**Table 2: Construction Emissions (Unmitigated)**

Construction Activity	Air Pollutants (Tons)			
	ROG	NO <sub>x</sub>	PM <sub>10</sub> (Exhaust)	PM <sub>2.5</sub> (Exhaust)
Demolition 2024	0.00509	0.07710	0.00171	0.00159
Site Preparation 2024	0.00293	0.04186	0.00025	0.00025
Grading 2024	0.00325	0.04780	0.00112	0.00105
Building Construction 2024	0.04980	0.34080	0.00935	0.00898
Building Construction 2025	0.05640	0.39100	0.01014	0.00972
Paving 2024	0.00125	0.00447	0.00003	0.00003
Architectural Coating 2025	0.64950	0.02343	0.00011	0.00011
<b>Average Daily Emissions Assessment</b>				
<b>Total Emissions (Tons)</b>	<b>0.77</b>	<b>0.93</b>	<b>0.02</b>	<b>0.02</b>
<b>Total Emissions (lbs)</b>	<b>1,536.44</b>	<b>1,852.92</b>	<b>45.42</b>	<b>43.46</b>
<b>Average Daily Emissions (lbs/workday)</b>	<b>3.17</b>	<b>3.82</b>	<b>0.09</b>	<b>0.09</b>
<b>BAAQMD Significance Thresholds (lbs/day)</b>	<b>54</b>	<b>54</b>	<b>82</b>	<b>54</b>
<b>Exceeds threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Notes: BAAQMD = Bay Area Air Quality Management District lbs = pounds NO <sub>x</sub> = oxides of nitrogen PM <sub>10</sub> = particulate matter 10 microns in diameter (includes only exhaust-related emissions) PM <sub>2.5</sub> = particulate matter 2.5 microns in diameter (includes only exhaust-related emissions) ROG = reactive organic gases				

Construction Activity	Air Pollutants (Tons)			
	ROG	NO <sub>x</sub>	PM <sub>10</sub> (Exhaust)	PM <sub>2.5</sub> (Exhaust)
<sup>1</sup> Average daily emission estimates are calculated by dividing the total pounds by the 485 total working days of construction. Calculations use unrounded totals. Source: Attachment A.				

The BAAQMD’s operational screening criteria for air quality impacts for the “Single-family” and “Condo/townhouse, general” land use are 325 dwelling units and 451 dwelling units, respectively. The proposed project, which proposes developing six single-family residences, three ADUs, 10 duplexes, and 23 apartment units, would fall below the most relevant operational screening criterion. However, based on BAAQMD guidance, the screening criteria are designed for single land uses and should not be applied when considering a mix of land uses (which would include mixed residential projects). Therefore, the proposed project’s operational emissions were quantified and analyzed against the applicable BAAQMD significance thresholds in Table 3. It should be noted that Table 3 does not consider existing land use emissions. If existing emissions were considered, the project’s net increase in emissions would be below the total project emissions shown in Table 3 and would remain below the applicable thresholds. Please refer to the “CalEEMod Notes” document contained in Attachment A for more detailed modeling assumptions.

**Table 3: Operational Emissions (Unmitigated)**

Parameter	Air Pollutants (Tons/Year)			
	ROG	NO <sub>x</sub>	PM <sub>10</sub> (Total)	PM <sub>2.5</sub> (Total)
Area	0.43	0.01	<0.01	<0.01
Energy	<0.01	0.03	<0.01	<0.01
Mobile	0.12	0.12	0.25	0.07
<b>Annual Emissions Assessment</b>				
<b>Total (Tons/Year)</b>	<b>0.55</b>	<b>0.16</b>	<b>0.26</b>	<b>0.07</b>
<b>BAAQMD Significance Thresholds (Tons/Year)</b>	<b>10</b>	<b>10</b>	<b>15</b>	<b>10</b>
<b>Exceeds Significance Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
<b>Average Daily Emissions Assessment</b>				
<b>Average Daily Emissions (lbs/day)<sup>1</sup></b>	<b>3.03</b>	<b>0.86</b>	<b>1.41</b>	<b>0.40</b>
<b>BAAQMD Significance Threshold (lbs/day)</b>	<b>54</b>	<b>54</b>	<b>82</b>	<b>54</b>

Parameter	Air Pollutants (Tons/Year)			
	ROG	NO <sub>x</sub>	PM <sub>10</sub> (Total)	PM <sub>2.5</sub> (Total)
<b>Exceeds Significance Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Notes: BAAQMD = Bay Area Air Quality Management District lbs = pounds NO <sub>x</sub> = oxides of nitrogen PM <sub>10</sub> = particulate matter 10 microns in diameter PM <sub>2.5</sub> = particulate matter 2.5 microns in diameter ROG = reactive organic gases <sup>1</sup> Average daily emission estimates are calculated by dividing the total pounds by the 365 total days per year of operation. Calculations use unrounded totals. Source: Attachment A.				

As shown in Table 3, the proposed project would not exceed the BAAQMD’s thresholds of significance during operation, indicating that ongoing project operations would not be considered to have the potential to generate a significant quantity of air pollutants. **Therefore, long-term operational impacts associated with criteria pollutant emissions generated by the proposed project would be less than significant.**

### Impacts to Sensitive Receptors

The following four criteria were applied to determine the significance of project emissions to sensitive receptors. The proposed project is considered to have a potentially significant impact if:

- **Criterion 1:** Construction of the project would result in an exceedance of the health risk significance thresholds.
- **Criterion 2:** The cumulative health impact would result in an exceedance of the cumulative health risk significance thresholds.
- **Criterion 3:** Operation of the project would result in an exceedance of the health risk significance thresholds.
- **Criterion 4:** A carbon monoxide (CO) hotspot assessment demonstrates that the project would result in the development of a CO hotspot that could cause an exceedance of the CO ambient air quality standards.

### **Criterion 1: Project Construction Toxic Air Pollutants**

As specified by the BAAQMD, health risk and hazard impacts should be analyzed for sensitive receptors within a 1,000-foot radius of the project site.<sup>4</sup> The closest sensitive receptor to the project site is a residence immediately adjacent to the proposed project's southern boundary. Other nearby sensitive receptors accounted for in this analysis include a residence as close as 25 feet northwest of the project site, residential neighborhoods surrounding the project site, Belvedere Park as close as 35 feet southwest of the project site, Belvedere-Hawthorne Nursery School approximately 1,165 feet east of the project site, and Reed Elementary School approximately 1,720 feet north of the project site. The majority of sensitive receptors near the project site consist of residences.

#### ***Estimation of Construction Diesel Particulate Matter Emissions***

Construction PM<sub>2.5</sub> exhaust emissions were utilized in this assessment to represent construction diesel particulate matter (DPM) emissions and were estimated using CalEEMod, Version 2020.4.0. As shown in the information provided by the project applicant, the proposed project's construction is anticipated to occur from January 2024 through September 2025.

Construction emissions were calculated for each construction activity, as displayed in Table 2. On-site and off-site emissions generated during project construction were modeled with a working schedule of 8 hours per day, 5 days per week. When modeling a non-continuously emitting source (e.g., operating for 8 hours per day and 5 days per week), the modeled long-term average concentrations predicted by American Meteorological Society/EPA Regulatory Model (AERMOD) are based on 24 hours a day and seven days per week for the period of the meteorological data set. To address this discrepancy, a variable emission rate factor was applied in AERMOD to reflect a construction working schedule of 8 hours per day, 5 days per week. An adjustment factor of 4.2 ((24 hours per day/8 hours per shift) \* (7 days in a week/5 days in a work week)) was applied to the hours that construction emissions were assumed to occur, while zeros were applied to non-working hours.

Based on the analysis presented in this section, emissions were estimated for unmitigated project construction. To characterize the emissions, on-site construction activities are represented with one polygon area source across the entire project site. Off-site construction hauling and vendor truck operation for project construction is represented with a line volume source along Beach Road, San Rafael Avenue, Community Road, and Leeward Road within 1,000 feet of the project site (see Off-site PM<sub>2.5</sub> Exhaust Adjustment Sheet in Attachment A). Table 4 summarizes the emission rates of unmitigated DPM during construction of the proposed project.

---

<sup>4</sup> Bay Area Air Quality Management District (BAAQMD). 2017. California Environmental Quality Act Air Quality Guidelines. Website: [https://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa\\_guidelines\\_may2017-pdf.pdf?la=en](https://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en). Accessed January 19, 2022.



**Table 4: Project Localized DPM and PM<sub>2.5</sub> Construction Emissions (Unmitigated)**

Emissions Scenario	On-site DPM (Tons)	Off-site DPM (Tons)	Total DPM (Tons)
Construction DPM (Exhaust PM <sub>2.5</sub> )	0.02015	0.00158	0.02173
Construction Dust PM <sub>2.5</sub> <sup>1</sup>	0.00776	0.03452	0.04228
Construction Total PM <sub>2.5</sub> <sup>1</sup>	0.02791	0.0361	0.06401

Notes:  
 DPM = diesel particulate matter  
<sup>1</sup> Includes compliance with BMPs recommended by the BAAQMD to reduce potential impacts related to fugitive dust emissions.  
 Source: Attachment A.

**Estimation of Cancer Risks and Hazards**

The BAAQMD has developed a set of guidelines for estimating cancer risks resulting from exposure to toxic air contaminants (TACs).<sup>5</sup> As part of this guidance, the American Meteorological Society and United States Environmental Protection Agency (EPA) Regulatory Model (AERMOD), Version 22112, air dispersion model was used to estimate the DPM and PM<sub>2.5</sub> concentrations affecting nearby sensitive receptors during project construction. AERMOD was used by inputting the estimated construction DPM and PM<sub>2.5</sub> emissions and representative meteorological data to transport and disperse the construction emissions. Meteorological data from the San Francisco International Airport (SFO) were obtained from the California Air Resources Board (ARB) to perform the dispersion calculations. The guidelines recommend using the ARB Hotspots Analysis and Reporting Program (HARP2) software to identify the cancer risk associated with DPM emissions generated during construction activities.<sup>6</sup> HARP2 was used to process health risk metrics from the proposed project’s DPM emissions using the concentrations generated from AERMOD. The closest receptors to the project site (where the majority of emissions would be concentrated) included residential receptors and park receptors. To provide a conservative estimate of health risk metrics and associated impacts, all receptors were assessed as residential sensitive receptors. The HARP2 output files show the relevant input assumptions and are included as part of Attachment A.

**Estimation of Non-Cancer Chronic Hazards**

TACs can also cause chronic (long-term) effects related to non-cancer illnesses such as reproductive effects or birth defects, or adverse environmental effects. Non-cancer health risks are conveyed in terms of the hazard index (HI), a ratio of the predicted concentration of the facility’s reported TAC emissions to a concentration considered acceptable to public health professionals. A significant risk is defined as an HI

<sup>5</sup> Bay Area Air Quality Management District (BAAQMD). 2020. BAAQMD Health Risk Assessment Modeling Protocol. Website: [https://www.baaqmd.gov/~media/files/ab617-community-health/facility-risk-reduction/documents/baaqmd\\_hra\\_modeling\\_protocol-pdf.pdf?la=en](https://www.baaqmd.gov/~media/files/ab617-community-health/facility-risk-reduction/documents/baaqmd_hra_modeling_protocol-pdf.pdf?la=en). Accessed January 19, 2022.

<sup>6</sup> California Air Resources Board (ARB). Hot Spots Analysis & Reporting Program. 2022. Website: <https://ww2.arb.ca.gov/our-work/programs/hot-spots-analysis-reporting-program>. Accessed January 19, 2022.

of 1 or greater. An HI of less than 1 indicates that no significant health risks are expected from the facility's TAC emissions. The relationship for the non-cancer hazards of TACs is given by the following equation:

$$HI = C_{ann}/REL$$

Where:

HI = Hazard Index: an expression of the potential for chronic non-cancer health risks

$C_{ann}$  = Annual average TAC concentration (micrograms per liter [ $\mu\text{g}/\text{m}^3$ ])

REL = Reference Exposure Level: the DPM concentration at which no adverse health effects are anticipated

Annual concentrations of DPM as predicted by the air dispersion model are used to estimate chronic non-cancer hazards. The California Office of Environmental Health Hazard Assessment (OEHHA) has defined a REL for DPM of  $5 \mu\text{g}/\text{m}^3$ . OEHHA and ARB have not established acute toxicity factors for DPM.

#### ***Estimation of Health Risks and Hazards from Project Construction***

To assess impacts to off-site sensitive receptors, discrete receptors are placed at locations of existing residences located in the vicinity of the project boundary. As previously discussed, project construction is anticipated to start in January 2024 and conclude by September 2025. The following AERMOD modeling parameters were utilized to identify the DPM concentration at identified receptors.

Sensitive receptors (e.g., schools, daycare facilities, hospitals, care facilities, residences, parks) in the immediate project vicinity are represented in the model with discrete Cartesian receptors at a flagpole height of 1.5 meters.

1. A nested Cartesian grid was placed in AERMOD with the following spacing parameters:
  - 20 meters spacing within the project site and up to 200 meters from the project site.
  - 50 meters spacing between 200 meters and 500 meters from the project site.
  - 100 meters spacing between 500 meters and 1,000 meters from the project site.
  - 200 meters spacing between 1,000 and 2,000 meters from the project site.
  - All receptors were converted to discrete and were placed directly over the closest sensitive receptors in all directions of the project site. Discrete receptors were removed from some roadways and open space areas.
2. AERMOD's default regulatory dispersion option was used in the assessment.
3. The "Rural" dispersion coefficient was used as greater than 50 percent of the surrounding three kilometers is open water.
4. Emissions were characterized in the model using various area and volume sources to represent different activities. The following describes the emission sources utilized in the model for each model scenario.

- On-site construction activities are represented with one polygon area source across the entire project site.
  - Off-site construction hauling and vendor truck operation for project construction are represented with line volume sources along Beach Road, San Rafael Avenue, Community Road, and Leeward Road.
5. Off-site emissions were adjusted to account for off-site emissions that would occur within 1,000 feet of the project site (see Off-Site PM<sub>2.5</sub> Exhaust Adjustment Sheet in Attachment A).
  6. Meteorological data from the SFO Air Monitoring Station, Station ID 23230. This station was selected as it is the closest monitoring station to the project site, and it resembles physical site characteristics and elevation generally representative of the project site. The SFO Air Monitoring Station provides preprocessed meteorological data covering the years 2009-2014. The model used all years of available meteorological data.

Based on the BAAQMD CEQA Guidelines (2017),<sup>7</sup> a project would result in a significant construction TAC or PM<sub>2.5</sub> impact if it exceeds any of the thresholds of significance listed below:

- An excess cancer risk level of more than 10 in one million, or a non-cancer (chronic or acute) HI greater than 1.0; or
- An incremental increase of more than 0.3 micrograms per cubic meter (µg/m<sup>3</sup>) annual average PM<sub>2.5</sub>, including both DPM (as PM<sub>2.5</sub> exhaust) and PM<sub>2.5</sub> fugitive dust).

The Maximally Impacted Sensitive Receptor (MIR) during project construction was determined to be the single-family residence immediately adjacent to the proposed project’s northwestern boundary. Table 5 presents a summary of the proposed project’s construction cancer risk, chronic non-cancer hazard, and annual PM<sub>2.5</sub> concentration impacts at the MIR, which are assessed against the BAAQMD’s significance thresholds.

**Table 5: Estimated Health Risks and Hazards During Project Construction (Unmitigated)**

Impact Scenario	Cancer Risk (Risk per million)	Chronic Non-Cancer Hazard Index	Annual PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> ) <sup>1</sup>
MIR (Existing Residence) <sup>2</sup>	6.55	0.005	<0.001
<b>Maximum MIR Impact</b>	<b>6.55</b>	<b>0.005</b>	<b>&lt;0.001</b>
<b>BAAQMD Thresholds of Significance</b>	<b>10</b>	<b>1</b>	<b>0.3</b>
<b>Exceeds Individual Source Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>

<sup>7</sup> Bay Area Air Quality Management District (BAAQMD). 2017. CEQA Air Quality Guidelines. May. Website: [http://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa\\_guidelines\\_may2017-pdf.pdf?la=en](http://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en). Accessed August 1, 2019.

Impact Scenario	Cancer Risk (Risk per million)	Chronic Non-Cancer Hazard Index	Annual PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> ) <sup>1</sup>
<p>Notes:            µg/m<sup>3</sup> = micrograms per cubic meter            BAAQMD = Bay Area Air Quality Management District            PM<sub>2.5</sub> = particulate matter 2.5 microns in diameter            MIR = Maximally Impacted Sensitive Receptor  <sup>1</sup> The annual PM<sub>2.5</sub> concentration includes fugitive dust and exhaust PM<sub>2.5</sub>. The value shown includes application of BMPs recommended by the BAAQMD. It should be noted that inclusion of MM AIR-1 only reduces PM<sub>2.5</sub> total and not PM<sub>2.5</sub> exhaust.  <sup>2</sup> The MIR was determined to be an existing residence located adjacent to the northwest portion of the project site.            MIR Latitude, Longitude: 37° 52' 30.15" N, 122° 27' 57.34" W            Source: Attachment A.</p>			

As shown in Table 5, the MIR shown represents the MIR across all potentially impacted receptors during project construction in the project area. As illustrated therein, the proposed project’s construction DPM emissions would not exceed the BAAQMD’s cancer risk, chronic non-cancer HI, or annual PM<sub>2.5</sub> thresholds of significance at the MIR. **Therefore, the proposed project’s construction emissions would not result in significant health impacts to nearby sensitive receptors.**

### Criterion 2: Cumulative Health Impact

The BAAQMD recommends assessing the potential cumulative impacts from sources of TACs within 1,000 feet of a project. For a project-level analysis, BAAQMD provides several tools for use in screening potential sources of TACs. The BAAQMD-provided tools used to assess the potential cumulative impacts from TACs are described below:

- Health Risks for Local Roadways.** The BAAQMD pre-calculated concentrations and the associated potential cancer risks and PM<sub>2.5</sub> concentration increases for each county within their jurisdiction for roadways that carry at least 30,000 Average Daily Traffic (ADT). For certain areas, the BAAQMD also included local roadways that meet BAAQMD’s “major roadway” criteria of 10,000 vehicles or 1,000 trucks per day. The latest available screening tool is in the form of a Geographic Information System (GIS) raster file. The proposed project is not located in a Community Air Risk Evaluation (CARE) Program area;<sup>8</sup> therefore, the BAAQMD’s local roadway calculator and the City’s General Plan Environmental Impact Report (EIR)<sup>9</sup> were utilized in combination with the BAAQMD’s roadway raster file to identify cancer risk, chronic non-cancer hazard, and PM<sub>2.5</sub> concentrations at the MIR associated with local roadways.
- Freeway Screening Analysis Tool.** The BAAQMD prepared a GIS tool that contains pre-estimated cancer risk and PM<sub>2.5</sub> concentration increases for highways within the Bay Area. The nearest

<sup>8</sup> Bay Area Air Quality Management District (BAAQMD). 2014. Community Air Risk Evaluation Program. Website: <https://www.baaqmd.gov/community-health/community-health-protection-program/community-air-risk-evaluation-care-program>. Accessed January 19, 2022.

<sup>9</sup> City of Belvedere. 2010. General Plan 2030 Volume Three: Technical Report and Appendices. Website: [https://www.cityofbelvedere.org/DocumentCenter/View/1778/Vol-3\\_--Technical-Reports-and-Appendices?bidId=](https://www.cityofbelvedere.org/DocumentCenter/View/1778/Vol-3_--Technical-Reports-and-Appendices?bidId=). Accessed March 22, 2022.

freeways to the proposed project include State Route (SR) 131 (Tiburon Boulevard), approximately 900 feet northeast of the project site.

- **Stationary Source Risk and Hazard Screening Tools.** The BAAQMD prepared a GIS tool<sup>10</sup> with the location of permitted sources and provides a health risk calculator that estimates and refines screen-level cancer risk, a non-cancer health HI, and PM<sub>2.5</sub> concentrations using emissions data from BAAQMD's permitting database.<sup>11</sup> For each emissions source, the BAAQMD provides estimates of cancer risk and PM<sub>2.5</sub> concentrations. Based on information from the GIS tool, two BAAQMD-permitted stationary sources exist within the vicinity of 1,000 feet of the project site.
- **Rail Screening Tools.** The BAAQMD prepared GIS tools that contain estimated cancer risks and PM<sub>2.5</sub> concentrations from railroad operations at any point within the Air Basin. Based on review of available aerial imagery, no railways are within 1,000 feet of the project site. However, the cancer risk and PM<sub>2.5</sub> concentrations were still retrieved from the BAAQMD's raster tool to identify potential health impacts associated with existing rail lines outside of a 1,000-foot radius from the project site.

**Cumulative Health Risk Assessment at the Maximum Impacted Sensitive Receptor**

A cumulative Health Risk Assessment was performed that examined the cumulative impacts of the proposed project's construction emissions and sources of TAC emissions within 1,000 feet of the project site.

The cumulative health risk results, including health risks from the existing stationary source, are summarized during project construction in Table 6. Cumulative health risk results shown therein are representative of the health risks to the MIR that would experience the highest concentration of pollutants, which represents the park MIR from Table 5.

**Table 6: Summary of the Cumulative Health Impacts at the MIR during Construction**

Source/Impact Scenario	Source Type	Distance to MIR <sup>1</sup> (Feet)	Cancer Risk (Risk per million)	Chronic Non-Cancer Hazard Index	Annual PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )
<b>Project Impacts</b>					
Project Construction	Diesel Construction Equipment	–	6.549	0.00468	<0.01

<sup>10</sup> Bay Area Air Quality Management District (BAAQMD). 2020 (Last Updated 4/30/22). Permitted Stationary Sources Risk and Hazards. Permitted Stationary Sources Risk and Hazards. Website: <https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=845658c19eae4594b9f4b805fb9d89a3>. Accessed October 13, 2022.

<sup>11</sup> Bay Area Air Quality Management District (BAAQMD). Tools and Methodologies: BAAQMD Health Risk Calculator Beta 4.0. Website: <https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/ceqa-tools>. Accessed December 20, 2021.

Source/Impact Scenario	Source Type	Distance to MIR <sup>1</sup> (Feet)	Cancer Risk (Risk per million)	Chronic Non-Cancer Hazard Index	Annual PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )
<b>Existing Permitted Stationary Sources (BAAQMD Facility ID)<sup>2</sup></b>					
Sanitary District #5 of Marin County (ID 23998)	Natural Gas Generator	1,300	0.003	0.00002	0.0001
City of Belvedere (ID 100555)	Gas Dispensing Facility	1,380	0.081	0.00039	0.0000
<b>Existing Local Roadway Impacts</b>					
Existing Local Roadway Network		–	0.103	ND	0.0018
Tiburon Boulevard		1,230	1.772	ND	0.0203
<b>Existing Rail Line Impacts</b>					
Existing Rail Lines		–	0.114	ND	0.0001
<b>Existing Freeway Impacts</b>					
Existing Freeways		1,240	10.228	ND	0.0456
<b>Cumulative Health Impacts</b>					
<b>Cumulative Maximum with Project DPM Emissions</b>			<b>18.85</b>	<b>0.0051</b>	<b>0.0679</b>
<b>BAAQMD's Cumulative Thresholds of Significance</b>			<b>100</b>	<b>10</b>	<b>0.8</b>
<b>Threshold Exceedance?</b>			<b>No</b>	<b>No</b>	<b>No</b>
Notes: µg/m <sup>3</sup> = micrograms per cubic meter BAAQMD = Bay Area Air Quality Management District DPM = diesel particulate matter HI = Hazard Index MIR = Maximally Impacted Sensitive Receptor ND = no data available PM <sub>2.5</sub> = particulate matter 2.5 microns in diameter MIR Latitude, Longitude: 37° 52' 30.15" N, 122° 27' 57.34" W <sup>1</sup> The MIR above represents the greatest impacted receptor, which was determined to be an existing residence located adjacent to the northwest portion of the project site. <sup>2</sup> Assumes emissions remain constant with time. Source: Attachment A.					

As shown in Table 6, the cumulative impacts from the project construction and existing sources of TACs would be less than the BAAQMD's cumulative thresholds of significance. **Thus, the cumulative health risk impacts from project construction would be less than significant.**

### Criterion 3: Operational Emissions Health Risks

As previously discussed, the proposed project's operational emissions would be below the BAAQMD's applicable significance thresholds. The proposed project is residential in nature and would not result in

industrial or manufacturing or other substantial TAC-generating land uses. The proposed project's emissions would largely be generated by stationary source equipment and gasoline-fueled vehicles. Furthermore, any stationary source equipment permitted by the BAAQMD for the proposed project would undergo its own analysis to ensure that health impacts are less than significant.

Therefore, the proposed project would not generate criteria pollutant and precursor emissions in excess of established thresholds during operation. **As a result, the proposed project would not result in significant health impacts to nearby sensitive receptors during operation and the impact of operation would be less than significant.**

#### **Criterion 4: Carbon Monoxide Hotspot Assessment**

Based on the Transportation Study prepared for the proposed project, the proposed project would generate 267 daily weekday trips, consisting of 21 AM peak-hour weekday trips and 26 PM peak-hour weekday trips.<sup>12</sup> According to the City's General Plan EIR, the greatest traffic volumes experienced in Belvedere under the General Plan's cumulative 2020 conditions would be Tiburon Boulevard west of San Rafael Avenue with 22,080 ADT.<sup>13</sup> The BAAQMD's CEQA Air Quality Guidelines provides screening criteria for determining whether a project could potentially result in a CO hotspot, which consist of: (1) 44,000 vehicles per hour along any roadway segment or intersection, (2) 24,000 vehicles per hour along any roadway segment or intersection with features that substantially limit air flow, such as tunnels or overpasses, or (3) conflict with a local congestion management plan. If the proposed project meets any of these screening criteria, it would present the potential to result in a CO hotspot.

Conservatively assuming that all 22,080 existing daily trips along Tiburon Boulevard would occur during the PM peak-hour and all 26 project-generated PM peak-hour vehicle trips would travel along Tiburon Boulevard west of San Rafael Avenue, the proposed project would not result in local roadways experiencing greater than 24,000 vehicles per hour, regardless of whether those roadways contain features which substantially limit air flow. Finally, the BAAQMD identifies the potential for CO hotspots to occur if a project presents a conflict with the local congestion management plan. As the size and nature of the proposed project does not trigger the need for a level of service analysis,<sup>14</sup> it is presumed that the proposed project would not conflict with the local congestion management plan. **Therefore, the proposed project would not generate sufficient vehicle traffic volumes during project operation to substantiate creating a CO hotspot. Impacts related to the potential creation of a CO hotspot would be less than significant.**

As described above, the proposed project would not expose sensitive receptors at nearby residences to substantial pollutant concentrations during either construction or operations. **Therefore, this impact would be less than significant.**

---

<sup>12</sup> Parisi Transportation Consulting. Transportation Study for Mallard Pointe Project. Accessed March 9, 2022.

<sup>13</sup> City of Belvedere. 2010. General Plan 2030 Volume Three: Technical Report and Appendices. Website: [https://www.cityofbelvedere.org/DocumentCenter/View/1778/Vol-3\\_--Technical-Reports-and-Appendices?bidId=](https://www.cityofbelvedere.org/DocumentCenter/View/1778/Vol-3_--Technical-Reports-and-Appendices?bidId=). Accessed March 22, 2022.

<sup>14</sup> Parisi Transportation Consulting. 2021. Transportation Study for Mallard Pointe Project. December 13.

## Odor Impacts

For odor impacts, residences are not considered to be odor-generating land uses.<sup>15</sup> However, odors would be generated from residential laundry cleaning, vehicle exhaust, outdoor cooking, and waste disposal. These occurrences would be small in quantity and duration and would not pose an objectionable odor impact to a substantial number of people. Therefore, operational impacts associated with the proposed project's potential to create odors would be less than significant. As a receptor, the proposed project is surrounded by the Belvedere Lagoon, and none of the odor-generating land uses are identified within screening distances based on BAAQMD guidelines. **Therefore, the proposed project would not be subject to any significant odor impact.**

Therefore, with implementation of applicable BAAQMD BMPs and policies, along with compliance with state and federal air quality regulations, approval of the proposed project would not result in any significant effects relating to air quality. **Therefore, the proposed project meets the criteria of CEQA Guidelines Section 15332(d) with respect to air quality.**

## GREENHOUSE GAS EMISSIONS ASSESSMENT

### Greenhouse Gas Emissions

Pursuant to CEQA Guidelines regarding streamlining projects qualifying for a Class 32 exemption, potential impacts that are not peculiar to the proposed project or project site that can be mitigated to a less than significant level by the imposition of City regulations and consistency with General Plan programs and policies do not require additional analysis.

### Construction Impacts

The proposed project would emit greenhouse gas (GHG) emissions during construction from the operation of off-road equipment and vehicles, construction worker vehicles, and any soil or material hauling that may occur. Attachment A includes detailed construction assumptions. The BAAQMD does not presently provide a construction-related GHG generation threshold but recommends that construction-generated GHGs be quantified and disclosed. Table 7 presents the total GHG emissions generated during all construction activities. In the absence of a construction emission threshold, construction GHG emissions are amortized over the expected lifetime of the proposed project (30 years). The proposed project's amortized construction GHG emissions are then added to the operational GHG emissions in Table 8.

---

<sup>15</sup> Bay Area Air Quality Management District (BAAQMD). 2017. California Environmental Quality Act (CEQA) Air Quality Guidelines. May. Website: [https://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa\\_guidelines\\_may2017-pdf.pdf?la=en](https://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en). Accessed January 19, 2022.



**Table 7: Construction Greenhouse Gas Emissions**

Construction Activity	MT CO <sub>2</sub> e
Demolition	22
Site Preparation	14
Grading	12
Building Construction	271
Paving	1
Architectural Coating	10
<b>Total Construction Emissions</b>	<b>331</b>
<b>Emissions Amortized Over 30 Years<sup>1</sup></b>	<b>11</b>
Notes: MT CO <sub>2</sub> e = metric tons of carbon dioxide equivalent <sup>1</sup> Construction GHG emissions are amortized over the 30-year lifetime of the proposed project. Source: CalEEMod Output in Attachment A.	

### Long-term Operational Impacts

Operational or long-term emissions occur over the life of a project. The major residential sources for operational GHG emissions include motor vehicles, natural gas consumption, electricity consumption, water transport, and waste decomposition.

A more detailed description of the assumptions used to estimate project-generated GHG emissions and detailed modeling results are included in Attachment A. Operational GHG emissions by source are shown in Table 8. For buildings in general, it is reasonable to look at a 30-year time frame, since this is a typical interval before a new building requires the first major renovation.<sup>16</sup> Therefore, this analysis includes construction emissions amortized over the anticipated life of the proposed project (30 years). As presented in Table 7, project construction emissions were calculated as 331 metric tons (MT) carbon dioxide equivalent (CO<sub>2</sub>e) for the entire construction duration. When amortized over 30 years, construction emissions equal 11 MT CO<sub>2</sub>e per year.

The BAAQMD mass emissions threshold of 1,100 MT CO<sub>2</sub>e per year was designed for the region to meet the Assembly Bill (AB) 32 goal of reducing GHG emissions to 1990 levels by 2020. This significance threshold is based on the AB 32 GHG reduction goals and a “gap analysis” that attributes an appropriate share of GHG emissions reductions to new land use development projects in BAAQMD’s jurisdiction. However, the BAAQMD has not yet adopted a significance threshold that is aligned with the State’s 2030 GHG reduction target codified by Senate Bill (SB) 32. Accordingly, BAAQMD’s existing mass emissions threshold is no longer appropriate for analyzing the GHG impacts of projects being implemented after

<sup>16</sup> International Energy Agency (IEA). 2008. Energy Efficiency Requirements in Building Codes, Energy Efficiency Policies for New Buildings.

2020 without adjusting the threshold to be consistent with the SB 32 target of reducing Statewide GHG emissions by 40 percent below 1990 levels by 2030.

The City recently adopted the City of Belvedere Climate Action Plan 2030 (CAP) in June 2022, which includes a range of strategy categories to guide the City’s effort in reducing GHG emissions.<sup>17</sup> The overall GHG emissions reduction goal of the CAP is 40 percent below 1990 levels by 2030, and 80 percent below 1990 levels by year 2050. The Plan lays out measures that will meet the 2030 target and put the City on a trajectory to meet the 2050 goal.

Because the proposed project would be constructed after 2020, the BAAQMD significance threshold of 1,100 MT CO<sub>2</sub>e per year was adjusted to reflect “substantial progress” toward the SB 32 target of 40 percent below 1990 levels (i.e., 60 percent of 1990 levels). This approach is consistent with the City of Belvedere’s 2030 GHG Reduction goal, which is based on the SC 32 target. Therefore, the BAAQMD’s AB 32 significance threshold of 1,100 MT CO<sub>2</sub>e per year was adjusted to 660 MT CO<sub>2</sub>e per year (1,100 x 0.60 = 660) and is utilized in this analysis to determine whether the proposed project would result in potentially significant impacts related to GHG emissions.

The estimated total annual GHG emissions, including amortized construction emissions and proposed project operational emissions, were compared with an adjusted bright-line threshold of 660 MT CO<sub>2</sub>e/year to determine significance at project buildout in the year 2025 and are included in Table 8. The project’s efficiency metric (GHG emissions generated per resident) is also shown for information purposes. The service population<sup>18</sup> (SP) is based on CalEEMod default values for the proposed land uses, and the project’s GHG emissions per capita is 2.4 MT CO<sub>2</sub>e/SP/year. It should be noted that existing land use emissions are not shown in this analysis, thereby providing a conservative assessment of the proposed project’s GHG emission impacts.

**Table 8: Operational Greenhouse Gas Emissions**

Emission Source	Year 2025 Annual Emissions (MT CO <sub>2</sub> e/Year)
Area	3
Energy	52
Mobile (Vehicles)	211
Waste	8
Water	5
Amortized Construction Emissions <sup>1</sup>	11
<b>Total Emissions</b>	<b>290</b>
<i>Bright-Line Significance Threshold (MT CO<sub>2</sub>e/year)</i>	<i>660</i>

<sup>17</sup> City of Belvedere. 2022. Climate Action Plan 2030. June 13.

<sup>18</sup> Service population is defined as employees plus residents; for the proposed project, the service population consists of residents.

Emission Source	Year 2025 Annual Emissions (MT CO <sub>2</sub> e/Year)
<b>Exceeds Threshold?</b>	<b>No</b>
Service Population (based on CalEEMod default)	121
CO <sub>2</sub> e per Service Population (MT CO <sub>2</sub> e/SP/year)	2.4
Notes: MT CO <sub>2</sub> e = metric tons of carbon dioxide equivalent <sup>1</sup> Construction GHG emissions are amortized over the 30-year lifetime of the proposed project. Source: CalEEMod Output in Attachment A.	

The City's Community GHG Emissions Inventory estimates that the average GHG emissions would be 7.2 MT CO<sub>2</sub>e per capita in 2005, and 5.2 MT CO<sub>2</sub>e per capita in 2019.<sup>19</sup>

**Therefore, the proposed project's combined operational emissions and amortized construction emissions would not exceed the BAAQMD recommended thresholds for GHG emissions and City's GHG reduction goal and this impact would be less than significant.**

### Consistency with Local GHG Reduction Plan

To determine the proposed project's consistency with applicable plans, policies, or regulations adopted for the purpose of reducing the GHG emissions, the proposed project's consistency with the CAP is discussed below.

The City recently adopted its CAP in June 2022, which includes a range of strategy categories to guide the City's effort in reducing GHG emissions.<sup>20</sup> The overall GHG emissions reduction goal of the CAP is 40 percent below 1990 levels by 2030, and 80 percent below 1990 levels by year 2050. The Plan lays out measures that will meet the 2030 target and put the City on a trajectory to meet the 2050 goal. The categories presented in the CAP include "Low Carbon Transportation," "Renewable Energy and Electrification," "Energy Efficiency," "Waste Reduction," "Water Conservation," "Sequestration and Adaptation," "Community Engagement," and "Implementation and Monitoring" to identify reduction strategies and actions that are applicable for communities and government agencies.

The proposed project includes several design features that are consistent with strategies and actions from the City's CAP. For instance, Measure Low Carbon Transportation, encourages using electric vehicles and alternative transportation modes. The proposed project would be required to comply with Title 24, Part 11, of the California Building Standards Code (CBC) to provide parking for clean air vehicles and electric vehicle (EV) charging station infrastructure, thus encouraging the adoption of clean air vehicles.

<sup>19</sup> City of Belvedere. 2022. Community Greenhouse Gas Emissions Inventory for Year 2019. January.

<sup>20</sup> City of Belvedere. 2022. Climate Action Plan 2030. June 13.

Measure Renewable Energy and Electrification encourages installation of residential and commercial solar and energy storage systems. Measure Energy Efficiency, states the City's intention to require a higher level of energy efficiency for new construction and renovation. The proposed project would apply energy-efficient and low-flow fixtures, increased insulation, and solar hot water devices that would reduce energy use as well as GHG emissions. The proposed project would be required to comply with Title 24, Part 11, of the CBC for energy efficiency and other green building requirements.

Measure Waste Reduction considers a composting program alongside the recycling program and promotes residential composting. Measure Water Conservation states that the City would work with Marin Municipal Water District and other organizations to promote water conservation programs and incentives. The proposed project would be required to comply with the applicable City requirements as well as State requirements for inclusion of low-flow water fixtures, waste diversion, and composting, as applicable. As such, the proposed project would be consistent with the CAP policies.

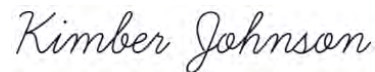
**Provided the above discussions, the proposed project would support and implement the applicable measures of the City's CAP, and the proposed project's GHG emission impacts would be less than significant. Therefore, the proposed project meets the criteria of CEQA Guidelines Section 15332(d) with respect to GHG emissions.**

## SUMMARY

Based on the project understanding described above, the proposed project would result in less than significant impacts to air quality. The analysis further determined that the proposed project would not generate criteria pollutant, TAC, or GHG emissions, either directly or indirectly, that may have a significant impact on the environment or surrounding receptors; nor would the proposed project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing GHG emissions.

Thank you for the opportunity to conduct an air quality and greenhouse gas emissions impacts analysis. Please feel free to contact Phil Ault (559.930.6191 or [pault@fcs-intl.com](mailto:pault@fcs-intl.com)) or Kimber Johnson (559.392.3665 or [kjohnson@fcs-intl.com](mailto:kjohnson@fcs-intl.com)) should you have any questions.

Sincerely,



Kimber Johnson, Senior Air Quality Scientist  
**FirstCarbon Solutions**  
2999 Oak Road, Suite 250  
Walnut Creek, CA 94597



Philip Ault, Director of Noise and Air Quality  
**FirstCarbon Solutions**  
2999 Oak Road, Suite 250  
Walnut Creek, CA 94597



**Attachment A:**  
**Air Quality Modeling Results and Supporting Calculations**



# Attachment A: Air Quality and Greenhouse Gas Emissions Supporting Information

## Table of Contents\*

Project CalEEMod Notes .....	1
CalEEMod Annual Output .....	5
Operational Vehicle Trip Generation Rate Adjustments .....	44
Demolition Calculations.....	45
Project Construction Emissions.....	46
Project Operational Emissions .....	47
Project GHG Emissions Summary.....	48
Health Risk Assessment Supporting Information .....	49

\* Note: Complete AERMOD Output Files are available upon request.

## Mallard Pointe CalEEMod Notes

### Note 1

The following proposed and existing land uses are drawn from information provided by the project applicant, dated February 14, 2022. Land uses provided below were represented in CalEEMod with the most relevant land use subtype available in the model. For example, there is no landscaping land use subtype in CalEEMod; therefore, the CalEEMod land use subtype City Park was utilized to represent landscaped areas.

Land Uses	Size or Number	Footprint (Square Feet)	Gross Building Area (Square Feet)	Net Acreage (Footprint Acreage)
<b>Existing on Project Site</b>				
Single-Family House or Duplex	22	34,103 SF including garage	34,103 SF including garage	0.8 acres
Street Parking and other paved surfaces		55,480 SF		1.3 acres
Landscaping		29,500 SF		0.7 acres
<b>Proposed Project</b>				
Single Family Residence	6 DU + 3 ADUs	17,057 SF including uncovered decks above 4 feet	23,983 SF including garage	0.4 acres
Duplex	10 DU	17,516 SF including uncovered decks above 4 feet	19,632 SF including garage	0.4 acres
Apartment Mid Rise	23 DU	16,905 SF	47,325 SF including garage	0.4 acres
Street Parking and other paved surfaces	No street parking 27 unassigned or apron spaces.	30,200 SF	-	0.7 acres
Landscaping		37,400 SF	-	0.9 acres
<b>Total On-site</b>				<b>2.8</b>

### Note 2

The following anticipated construction schedule was provided by the project applicant, dated February 14, 2022. As the dates and total workdays do not exactly align, the start date and total workdays were utilized for each construction activity in the model.

Construction Activity	Phase Start Date	Phase End Date	Working Days per Week	Total Number of Working Days
Demolition	Jan 2, 2024	Feb 13, 2024	5	29
Site Preparation	Feb 6, 2024	April 9, 2024	5	40
Grading	Feb 6, 2024	Mar 5, 2024	5	20
Building Construction	April 9, 2024	Dec 9, 2025	5	420
Paving	June 17, 2024	June 21, 2024	5	5
Architectural Coating	Feb 3, 2025	Sep 1, 2025	5	140

**Note 3**

According to email correspondence with the project applicant on February 15, 2022, the general contractor confirmed that the default construction equipment provided by CalEEMod is a reasonable representation of anticipated equipment use but clarified that the equipment utilized during project construction would operate 30 percent of the time on average. As such, the equipment list was adjusted to reflect 30 percent of the default hours per day.

**Note 4**

According to applicant-provided information, dated February 14, 2022, approximately 34,103 square feet of building space and 55,480 square feet of pavement would be removed during demolition, resulting in approximately 3,658 tons of demolition debris. In addition, approximately 1,500 cubic yards of soil would be exported during grading activities.

**Note 5**

The project’s vehicle trip generation is based on a Transportation Study prepared by Parisi Transportation Consulting, dated December 13, 2021.<sup>1</sup> As such, the trip generation rates in the model were updated to reflect this information. Because the Transportation Study identifies a different breakdown of trip assignment between apartments, single family dwellings, and condos, the total daily trips generated by the proposed project (267) were identified and then divided proportionally among the various residential land use types depending on each land use type's proportional share of total dwelling units.

**Note 6**

According to the BAAQMD’s Regulation 6, Rule 3, new residential developments are prohibited from installing wood-burning stoves and fireplaces. As a result, the model was adjusted to remove the inclusion of wood-burning devices.

---

<sup>1</sup> Parisi Transportation Consulting. 2021. FINAL Mallard Pointe Transportation Study; Belvedere, CA. December 13.



Note 7

BAAQMD *Basic Construction Mitigation Measures Recommended For All Proposed Projects* was applied to this project, which includes watering exposed areas at minimum twice per day and limiting construction vehicle speeds to 15 miles per hour on unpaved roads.

The project applicant indicated via email correspondence that Tractors/Loaders/Backhoes, Graders, Scrapers, Pavers, Paving Equipment, and Air Compressors would be certified to meet Tier 4 Interim standards and Concrete/Industrial Saws, Forklifts, Generator Sets, and Rollers would be certified to meet Tier 4 Final standards. Therefore, the model was adjusted to reflect this information.

Note 8

According to the operational model outputs, the proposed project would consume approximately 218,642 kWh per year. As such, assuming an average operation of 365 days per year and 24 hours per day, the proposed project is estimated to need an average supply of 25 kW per hour. Assuming 2 horsepower for each kW of supply, the proposed project is estimated to require a 50-horsepower generator. To conservatively build in the potential use of generators for the proposed project, each building (15) was assumed to be outfitted with a 50-horsepower generator. As such, 15 generators at 50 horsepower each were included in the model. As permitted stationary sources would be limited to no greater than 50 hours per year for maintenance and testing purposes, the generators were assumed to operate 50 hours per year.

Note 9

According to the California Code of Regulations, Title 24, Part 6, Subchapter 8 – Low-Rise Residential Building – Performance and Prescriptive Compliance Approaches, Section 150.1(c)14, “[a]ll low-rise residential buildings shall have a photovoltaic (PV) system meeting the minimum qualification requirements as specified in Joint Appendix JA11, with annual electrical output equal or greater than the dwelling’s annual electrical usage as determined by Equation 150.1-C:”

Equation 150.1-C Annual Photovoltaic Electrical Output

$$\mathbf{kWPV = (CFA \times A)/1,000 + (NDwell \times B)}$$

Where:

kWPV = kWdc size of the PV system

CFA = conditioned floor area

NDwell = number of dwelling units

A = Adjustment factor from Table 150.1-C

B = Dwelling adjustment factor from Table 150.1-C

As the project is located in climate zone 3, the A adjustment factor mentioned above is identified as 0.628 and the B adjustment factor mentioned above is identified as 1.12. The conditioned floor area is based on the building square footage.

Therefore:

$$\text{kWPV} = (90,940 \times 0.628)/1,000 + (42 \times 1.12) = 104.15 \text{ kWPV}$$

While this accounts for the entire project's kW PV system, it does not provide the annual production rate that would be generated by this size of system. Therefore, the total kW PV system was reduced to a per-dwelling-unit kW PV system to determine the expected annual production rate. 104.15 kW PV divided by 42 dwelling units results in an average 2.48 kW PV system per dwelling unit.

According to TheEcoExperts.com,<sup>2</sup> a 2 kW PV system has an average annual production rate of 1,700 kWh/year. The below equation proportionally applies the same average annual production rate to the calculated 2.48 kW system per each dwelling unit.

Therefore:

$$(2.48/2) * 1,700 \text{ kWh/year} = 2,108 \text{ kWh/year}$$

Therefore, the proposed project is expected to result in an average on-site electricity generation rate of 2,108 kWh per dwelling unit per year. As such, after multiplying 2,108 kWh per year by 42 dwelling units, the proposed project would generate an estimated 88,536 kWh annually.

---

<sup>2</sup> Theecoexperts.com. 2016. Solar Panel Output. Website: <http://www.theecoexperts.com/solar-panel-output/>. Accessed March 10, 2022.

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Mallard Pointe Project**

**Marin County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	0.70	Acre	0.70	30,200.00	0
City Park	0.90	Acre	0.90	37,400.00	0
Apartments Mid Rise	23.00	Dwelling Unit	0.38	47,325.00	66
Condo/Townhouse	10.00	Dwelling Unit	0.40	19,632.00	29
Single Family Housing	9.00	Dwelling Unit	0.39	23,983.00	26

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	69
<b>Climate Zone</b>	5			<b>Operational Year</b>	2025
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	203.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use - Note 1

Construction Phase - Note 2

Off-road Equipment - Note 3

Off-road Equipment - Note 3

Off-road Equipment - Note 3

Off-road Equipment - Note 3

Off-road Equipment - Note 3

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Off-road Equipment - Note 3

Demolition - Note 4

Grading - Note 4

Vehicle Trips - Note 5

Woodstoves -

Construction Off-road Equipment Mitigation - Note 7

Energy Mitigation - Note 9

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps - Note 8

Area Mitigation - Note 6

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	20.00	29.00
tblConstructionPhase	NumDays	3.00	40.00
tblConstructionPhase	NumDays	6.00	20.00
tblConstructionPhase	NumDays	220.00	420.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	10.00	140.00
tblConstructionPhase	PhaseEndDate	1/29/2024	2/9/2024
tblConstructionPhase	PhaseEndDate	2/1/2024	4/1/2024
tblConstructionPhase	PhaseEndDate	2/9/2024	3/4/2024
tblConstructionPhase	PhaseEndDate	12/13/2024	11/17/2025
tblConstructionPhase	PhaseEndDate	12/27/2024	6/21/2024
tblConstructionPhase	PhaseEndDate	1/10/2025	8/15/2025
tblConstructionPhase	PhaseStartDate	1/30/2024	2/6/2024
tblConstructionPhase	PhaseStartDate	2/2/2024	2/6/2024
tblConstructionPhase	PhaseStartDate	2/10/2024	4/9/2024
tblConstructionPhase	PhaseStartDate	12/14/2024	6/17/2024
tblConstructionPhase	PhaseStartDate	12/28/2024	2/3/2025
tblGrading	MaterialExported	0.00	1,500.00
tblLandUse	LandUseSquareFeet	30,492.00	30,200.00
tblLandUse	LandUseSquareFeet	39,204.00	37,400.00
tblLandUse	LandUseSquareFeet	23,000.00	47,325.00
tblLandUse	LandUseSquareFeet	10,000.00	19,632.00
tblLandUse	LandUseSquareFeet	16,200.00	23,983.00
tblLandUse Attachment A	LotAcreage	0.61	0.38

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblLandUse	LotAcreage	0.63	0.40
tblLandUse	LotAcreage	2.92	0.39
tblOffRoadEquipment	UsageHours	6.00	1.80
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	7.00	2.10
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	6.00	1.80
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	7.00	2.10
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	7.00	2.10
tblOffRoadEquipment	UsageHours	8.00	2.40
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	15.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips Attachment A	DV_TP	11.00	0.00

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	4.91	5.74
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	8.14	7.07
tblVehicleTrips	ST_TR	9.54	8.29
tblVehicleTrips	SU_TR	4.09	4.78
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	6.28	5.45
tblVehicleTrips	SU_TR	8.55	7.43
tblVehicleTrips	WD_TR	5.44	6.36
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	7.32	6.36
tblVehicleTrips	WD_TR	9.44	6.36

**2.0 Emissions Summary**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
Attachment A																

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

2024	0.0825	0.6761	0.7083	1.9000e-003	0.1299	0.0241	0.1539	0.0334	0.0228	0.0562	0.0000	170.9768	170.9768	0.0230	8.0700e-003	173.9573
2025	0.7210	0.5325	0.6828	1.7400e-003	0.0677	0.0180	0.0856	0.0183	0.0172	0.0355	0.0000	154.6473	154.6473	0.0159	6.2900e-003	156.9180
<b>Maximum</b>	<b>0.7210</b>	<b>0.6761</b>	<b>0.7083</b>	<b>1.9000e-003</b>	<b>0.1299</b>	<b>0.0241</b>	<b>0.1539</b>	<b>0.0334</b>	<b>0.0228</b>	<b>0.0562</b>	<b>0.0000</b>	<b>170.9768</b>	<b>170.9768</b>	<b>0.0230</b>	<b>8.0700e-003</b>	<b>173.9573</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0623	0.5121	0.7570	1.9000e-003	0.0913	0.0125	0.1038	0.0240	0.0119	0.0359	0.0000	170.9767	170.9767	0.0230	8.0700e-003	173.9572
2025	0.7059	0.4144	0.7015	1.7400e-003	0.0677	0.0103	0.0779	0.0183	9.8400e-003	0.0281	0.0000	154.6472	154.6472	0.0159	6.2900e-003	156.9179
<b>Maximum</b>	<b>0.7059</b>	<b>0.5121</b>	<b>0.7570</b>	<b>1.9000e-003</b>	<b>0.0913</b>	<b>0.0125</b>	<b>0.1038</b>	<b>0.0240</b>	<b>0.0119</b>	<b>0.0359</b>	<b>0.0000</b>	<b>170.9767</b>	<b>170.9767</b>	<b>0.0230</b>	<b>8.0700e-003</b>	<b>173.9572</b>

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Attachment A															



Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Percent Reduction	4.38	23.34	-4.84	0.00	19.50	45.99	24.15	18.33	45.72	30.29	0.00	0.00	0.00	0.00	0.00	0.00
-------------------	------	-------	-------	------	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2024	4-1-2024	0.2387	0.1757
2	4-2-2024	7-1-2024	0.1646	0.1259
3	7-2-2024	10-1-2024	0.1742	0.1334
4	10-2-2024	1-1-2025	0.1763	0.1355
5	1-2-2025	4-1-2025	0.3633	0.3259
6	4-2-2025	7-1-2025	0.4769	0.4384
7	7-2-2025	9-30-2025	0.3180	0.2805
		Highest	0.4769	0.4384

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5607	6.5000e-003	0.4936	3.8000e-004		0.0278	0.0278		0.0278	0.0278	2.6485	1.4083	4.0567	5.0700e-003	1.6000e-004	4.2323
Energy	4.0400e-003	0.0346	0.0147	2.2000e-004		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	60.2419	60.2419	4.0400e-003	1.1300e-003	60.6797
Mobile	0.1178	0.1177	1.0925	2.2500e-003	0.2513	1.6300e-003	0.2529	0.0671	1.5200e-003	0.0686	0.0000	207.4492	207.4492	0.0137	9.2000e-003	210.5325
Stationary	0.0308	0.1003	0.1117	1.5000e-004		4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003	0.0000	14.2799	14.2799	2.0000e-003	0.0000	14.3300
Waste						0.0000	0.0000		0.0000	0.0000	5.3143	0.0000	5.3143	0.3141	0.0000	13.1660
Water						0.0000	0.0000		0.0000	0.0000	0.8682	2.2759	3.1441	0.0895	2.1500e-003	6.0232

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Total	0.7133	0.2591	1.7124	3.0000e-003	0.2513	0.0368	0.2881	0.0671	0.0367	0.1038	8.8309	285.6552	294.4861	0.4284	0.0126	308.9637
-------	--------	--------	--------	-------------	--------	--------	--------	--------	--------	--------	--------	----------	----------	--------	--------	----------

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4317	5.3900e-003	0.3123	3.0000e-005		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	2.5918	2.5918	5.3000e-004	4.0000e-005	2.6163
Energy	4.0400e-003	0.0346	0.0147	2.2000e-004		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	52.0503	52.0503	2.7100e-003	9.7000e-004	52.4071
Mobile	0.1178	0.1177	1.0925	2.2500e-003	0.2513	1.6300e-003	0.2529	0.0671	1.5200e-003	0.0686	0.0000	207.4492	207.4492	0.0137	9.2000e-003	210.5325
Stationary	0.0308	0.1003	0.1117	1.5000e-004		4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003	0.0000	14.2799	14.2799	2.0000e-003	0.0000	14.3300
Waste						0.0000	0.0000		0.0000	0.0000	5.3143	0.0000	5.3143	0.3141	0.0000	13.1660
Water						0.0000	0.0000		0.0000	0.0000	0.8682	2.2759	3.1441	0.0895	2.1500e-003	6.0232
<b>Total</b>	<b>0.5843</b>	<b>0.2579</b>	<b>1.5312</b>	<b>2.6500e-003</b>	<b>0.2513</b>	<b>0.0108</b>	<b>0.2621</b>	<b>0.0671</b>	<b>0.0107</b>	<b>0.0778</b>	<b>6.1825</b>	<b>278.6470</b>	<b>284.8295</b>	<b>0.4225</b>	<b>0.0124</b>	<b>299.0750</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>18.08</b>	<b>0.43</b>	<b>10.58</b>	<b>11.67</b>	<b>0.00</b>	<b>70.59</b>	<b>9.01</b>	<b>0.00</b>	<b>70.80</b>	<b>25.03</b>	<b>29.99</b>	<b>2.45</b>	<b>3.28</b>	<b>1.37</b>	<b>2.22</b>	<b>3.20</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition Attachment A	Demolition	1/2/2024	2/9/2024	5	29	

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

2	Site Preparation	Site Preparation	2/6/2024	4/1/2024	5	40
3	Grading	Grading	2/6/2024	3/4/2024	5	20
4	Building Construction	Building Construction	4/9/2024	11/17/2025	5	420
5	Paving	Paving	6/17/2024	6/21/2024	5	5
6	Architectural Coating	Architectural Coating	2/3/2025	8/15/2025	5	140

**Acres of Grading (Site Preparation Phase): 18**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 0.7**

**Residential Indoor: 184,154; Residential Outdoor: 61,385; Non-Residential Indoor: 2; Non-Residential Outdoor: 1; Striped Parking Area: 1,812 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	2.40	81	0.73
Demolition	Rubber Tired Dozers	1	2.40	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	2.40	97	0.37
Site Preparation	Graders	1	2.40	187	0.41
Site Preparation	Scrapers	1	2.40	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	2.10	97	0.37
Grading	Graders	1	2.40	187	0.41
Grading	Rubber Tired Dozers	1	2.40	247	0.40
Grading	Tractors/Loaders/Backhoes	2	2.10	97	0.37
Building Construction	Cranes	1	2.40	231	0.29
Building Construction	Forklifts	2	2.10	89	0.20
Building Construction	Generator Sets	1	2.40	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	1.80	97	0.37
Building Construction	Welders	3	2.40	46	0.45

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Paving	Cement and Mortar Mixers	1	2.40	9	0.56
Paving	Pavers	1	2.40	130	0.42
Paving	Paving Equipment	1	2.40	132	0.36
Paving	Rollers	2	2.40	80	0.38
Paving	Tractors/Loaders/Backhoes	1	2.40	97	0.37
Architectural Coating	Air Compressors	1	1.80	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	362.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	188.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	55.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
--	-----	-----	----	-----	---------------	--------------	------------	----------------	---------------	-------------	----------	-----------	-----------	-----	-----	------

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Category	tons/yr										MT/yr					
	Fugitive Dust					0.0391	0.0000	0.0391	5.9300e-003	0.0000	5.9300e-003	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2600e-003	0.0604	0.0587	1.1000e-004		2.7500e-003	2.7500e-003		2.5600e-003	2.5600e-003	0.0000	9.1748	9.1748	2.3200e-003	0.0000	9.2329
<b>Total</b>	<b>6.2600e-003</b>	<b>0.0604</b>	<b>0.0587</b>	<b>1.1000e-004</b>	<b>0.0391</b>	<b>2.7500e-003</b>	<b>0.0419</b>	<b>5.9300e-003</b>	<b>2.5600e-003</b>	<b>8.4900e-003</b>	<b>0.0000</b>	<b>9.1748</b>	<b>9.1748</b>	<b>2.3200e-003</b>	<b>0.0000</b>	<b>9.2329</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
	Hauling	4.0000e-004	0.0269	7.6100e-003	1.1000e-004	3.0500e-003	2.0000e-004	3.2500e-003	8.4000e-004	1.9000e-004	1.0300e-003	0.0000	11.1680	11.1680	7.2000e-004	1.7800e-003
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.1000e-004	3.7900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.1290	1.1290	3.0000e-005	3.0000e-005	1.1389
<b>Total</b>	<b>8.9000e-004</b>	<b>0.0272</b>	<b>0.0114</b>	<b>1.2000e-004</b>	<b>4.5300e-003</b>	<b>2.1000e-004</b>	<b>4.7400e-003</b>	<b>1.2400e-003</b>	<b>2.0000e-004</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>12.2969</b>	<b>12.2969</b>	<b>7.5000e-004</b>	<b>1.8100e-003</b>	<b>12.8557</b>

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0176	0.0000	0.0176	2.6700e-003	0.0000	2.6700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2000e-003	0.0499	0.0610	1.1000e-004		1.5000e-003	1.5000e-003		1.3900e-003	1.3900e-003	0.0000	9.1748	9.1748	2.3200e-003	0.0000	9.2329
<b>Total</b>	<b>4.2000e-003</b>	<b>0.0499</b>	<b>0.0610</b>	<b>1.1000e-004</b>	<b>0.0176</b>	<b>1.5000e-003</b>	<b>0.0191</b>	<b>2.6700e-003</b>	<b>1.3900e-003</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>9.1748</b>	<b>9.1748</b>	<b>2.3200e-003</b>	<b>0.0000</b>	<b>9.2329</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-004	0.0269	7.6100e-003	1.1000e-004	3.0500e-003	2.0000e-004	3.2500e-003	8.4000e-004	1.9000e-004	1.0300e-003	0.0000	11.1680	11.1680	7.2000e-004	1.7800e-003	11.7169
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.1000e-004	3.7900e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.1290	1.1290	3.0000e-005	3.0000e-005	1.1389
<b>Total</b>	<b>8.9000e-004</b>	<b>0.0272</b>	<b>0.0114</b>	<b>1.2000e-004</b>	<b>4.5300e-003</b>	<b>2.1000e-004</b>	<b>4.7400e-003</b>	<b>1.2400e-003</b>	<b>2.0000e-004</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>12.2969</b>	<b>12.2969</b>	<b>7.5000e-004</b>	<b>1.8100e-003</b>	<b>12.8557</b>

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****3.3 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.5400e-003	0.0000	9.5400e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4400e-003	0.0787	0.0575	1.5000e-004		2.9800e-003	2.9800e-003		2.7400e-003	2.7400e-003	0.0000	12.9200	12.9200	4.1800e-003	0.0000	13.0245
<b>Total</b>	<b>7.4400e-003</b>	<b>0.0787</b>	<b>0.0575</b>	<b>1.5000e-004</b>	<b>9.5400e-003</b>	<b>2.9800e-003</b>	<b>0.0125</b>	<b>1.0300e-003</b>	<b>2.7400e-003</b>	<b>3.7700e-003</b>	<b>0.0000</b>	<b>12.9200</b>	<b>12.9200</b>	<b>4.1800e-003</b>	<b>0.0000</b>	<b>13.0245</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	2.6000e-004	3.2200e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	0.9583	0.9583	3.0000e-005	3.0000e-005	0.9667
<b>Total</b>	<b>4.2000e-004</b>	<b>2.6000e-004</b>	<b>3.2200e-003</b>	<b>1.0000e-005</b>	<b>1.2600e-003</b>	<b>1.0000e-005</b>	<b>1.2700e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.9583</b>	<b>0.9583</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.9667</b>



## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.3000e-003	0.0000	4.3000e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5100e-003	0.0416	0.0819	1.5000e-004		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	12.9200	12.9200	4.1800e-003	0.0000	13.0245
<b>Total</b>	<b>2.5100e-003</b>	<b>0.0416</b>	<b>0.0819</b>	<b>1.5000e-004</b>	<b>4.3000e-003</b>	<b>2.4000e-004</b>	<b>4.5400e-003</b>	<b>4.6000e-004</b>	<b>2.4000e-004</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>12.9200</b>	<b>12.9200</b>	<b>4.1800e-003</b>	<b>0.0000</b>	<b>13.0245</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	2.6000e-004	3.2200e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	0.9583	0.9583	3.0000e-005	3.0000e-005	0.9667
<b>Total</b>	<b>4.2000e-004</b>	<b>2.6000e-004</b>	<b>3.2200e-003</b>	<b>1.0000e-005</b>	<b>1.2600e-003</b>	<b>1.0000e-005</b>	<b>1.2700e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>0.9583</b>	<b>0.9583</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.9667</b>

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****3.4 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-003	0.0415	0.0261	6.0000e-005		1.7200e-003	1.7200e-003		1.5800e-003	1.5800e-003	0.0000	5.4311	5.4311	1.7600e-003	0.0000	5.4750
<b>Total</b>	<b>3.9000e-003</b>	<b>0.0415</b>	<b>0.0261</b>	<b>6.0000e-005</b>	<b>0.0213</b>	<b>1.7200e-003</b>	<b>0.0231</b>	<b>0.0103</b>	<b>1.5800e-003</b>	<b>0.0119</b>	<b>0.0000</b>	<b>5.4311</b>	<b>5.4311</b>	<b>1.7600e-003</b>	<b>0.0000</b>	<b>5.4750</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-004	0.0140	3.9500e-003	6.0000e-005	1.5800e-003	1.0000e-004	1.6900e-003	4.4000e-004	1.0000e-004	5.3000e-004	0.0000	5.7999	5.7999	3.7000e-004	9.3000e-004	6.0850
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	2.0100e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5989	0.5989	2.0000e-005	2.0000e-005	0.6042
<b>Total</b>	<b>4.7000e-004</b>	<b>0.0141</b>	<b>5.9600e-003</b>	<b>7.0000e-005</b>	<b>2.3700e-003</b>	<b>1.0000e-004</b>	<b>2.4800e-003</b>	<b>6.5000e-004</b>	<b>1.0000e-004</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>6.3989</b>	<b>6.3989</b>	<b>3.9000e-004</b>	<b>9.5000e-004</b>	<b>6.6892</b>

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.6000e-003	0.0000	9.6000e-003	4.6300e-003	0.0000	4.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7800e-003	0.0337	0.0322	6.0000e-005		1.0200e-003	1.0200e-003		9.5000e-004	9.5000e-004	0.0000	5.4311	5.4311	1.7600e-003	0.0000	5.4750
<b>Total</b>	<b>2.7800e-003</b>	<b>0.0337</b>	<b>0.0322</b>	<b>6.0000e-005</b>	<b>9.6000e-003</b>	<b>1.0200e-003</b>	<b>0.0106</b>	<b>4.6300e-003</b>	<b>9.5000e-004</b>	<b>5.5800e-003</b>	<b>0.0000</b>	<b>5.4311</b>	<b>5.4311</b>	<b>1.7600e-003</b>	<b>0.0000</b>	<b>5.4750</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1000e-004	0.0140	3.9500e-003	6.0000e-005	1.5800e-003	1.0000e-004	1.6900e-003	4.4000e-004	1.0000e-004	5.3000e-004	0.0000	5.7999	5.7999	3.7000e-004	9.3000e-004	6.0850
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	2.0100e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5989	0.5989	2.0000e-005	2.0000e-005	0.6042
<b>Total</b>	<b>4.7000e-004</b>	<b>0.0141</b>	<b>5.9600e-003</b>	<b>7.0000e-005</b>	<b>2.3700e-003</b>	<b>1.0000e-004</b>	<b>2.4800e-003</b>	<b>6.5000e-004</b>	<b>1.0000e-004</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>6.3989</b>	<b>6.3989</b>	<b>3.9000e-004</b>	<b>9.5000e-004</b>	<b>6.6892</b>

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****3.5 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0458	0.3674	0.4040	7.2000e-004		0.0154	0.0154		0.0148	0.0148	0.0000	59.5100	59.5100	0.0111	0.0000	59.7871
<b>Total</b>	<b>0.0458</b>	<b>0.3674</b>	<b>0.4040</b>	<b>7.2000e-004</b>		<b>0.0154</b>	<b>0.0154</b>		<b>0.0148</b>	<b>0.0148</b>	<b>0.0000</b>	<b>59.5100</b>	<b>59.5100</b>	<b>0.0111</b>	<b>0.0000</b>	<b>59.7871</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-003	0.0719	0.0264	3.2000e-004	0.0100	4.0000e-004	0.0104	2.8900e-003	3.8000e-004	3.2700e-003	0.0000	31.4409	31.4409	1.2100e-003	4.4300e-003	32.7925
Worker	0.0137	8.5600e-003	0.1056	3.4000e-004	0.0414	2.1000e-004	0.0416	0.0110	1.9000e-004	0.0112	0.0000	31.4577	31.4577	8.7000e-004	8.5000e-004	31.7343
<b>Total</b>	<b>0.0157</b>	<b>0.0804</b>	<b>0.1320</b>	<b>6.6000e-004</b>	<b>0.0514</b>	<b>6.1000e-004</b>	<b>0.0520</b>	<b>0.0139</b>	<b>5.7000e-004</b>	<b>0.0145</b>	<b>0.0000</b>	<b>62.8987</b>	<b>62.8987</b>	<b>2.0800e-003</b>	<b>5.2800e-003</b>	<b>64.5269</b>

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0341	0.2604	0.4186	7.2000e-004		8.7400e-003	8.7400e-003		8.4100e-003	8.4100e-003	0.0000	59.5100	59.5100	0.0111	0.0000	59.7871
<b>Total</b>	<b>0.0341</b>	<b>0.2604</b>	<b>0.4186</b>	<b>7.2000e-004</b>		<b>8.7400e-003</b>	<b>8.7400e-003</b>		<b>8.4100e-003</b>	<b>8.4100e-003</b>	<b>0.0000</b>	<b>59.5100</b>	<b>59.5100</b>	<b>0.0111</b>	<b>0.0000</b>	<b>59.7871</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-003	0.0719	0.0264	3.2000e-004	0.0100	4.0000e-004	0.0104	2.8900e-003	3.8000e-004	3.2700e-003	0.0000	31.4409	31.4409	1.2100e-003	4.4300e-003	32.7925
Worker	0.0137	8.5600e-003	0.1056	3.4000e-004	0.0414	2.1000e-004	0.0416	0.0110	1.9000e-004	0.0112	0.0000	31.4577	31.4577	8.7000e-004	8.5000e-004	31.7343
<b>Total</b>	<b>0.0157</b>	<b>0.0804</b>	<b>0.1320</b>	<b>6.6000e-004</b>	<b>0.0514</b>	<b>6.1000e-004</b>	<b>0.0520</b>	<b>0.0139</b>	<b>5.7000e-004</b>	<b>0.0145</b>	<b>0.0000</b>	<b>62.8987</b>	<b>62.8987</b>	<b>2.0800e-003</b>	<b>5.2800e-003</b>	<b>64.5269</b>

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****3.5 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0512	0.4130	0.4812	8.6000e-004		0.0161	0.0161		0.0155	0.0155	0.0000	71.3571	71.3571	0.0131	0.0000	71.6842
<b>Total</b>	<b>0.0512</b>	<b>0.4130</b>	<b>0.4812</b>	<b>8.6000e-004</b>		<b>0.0161</b>	<b>0.0161</b>		<b>0.0155</b>	<b>0.0155</b>	<b>0.0000</b>	<b>71.3571</b>	<b>71.3571</b>	<b>0.0131</b>	<b>0.0000</b>	<b>71.6842</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3100e-003	0.0851	0.0306	3.7000e-004	0.0120	4.8000e-004	0.0125	3.4700e-003	4.5000e-004	3.9200e-003	0.0000	37.0107	37.0107	1.4300e-003	5.2100e-003	38.5993
Worker	0.0155	9.2300e-003	0.1186	4.0000e-004	0.0496	2.4000e-004	0.0498	0.0132	2.2000e-004	0.0134	0.0000	36.4597	36.4597	9.5000e-004	9.6000e-004	36.7695
<b>Total</b>	<b>0.0178</b>	<b>0.0943</b>	<b>0.1491</b>	<b>7.7000e-004</b>	<b>0.0616</b>	<b>7.2000e-004</b>	<b>0.0623</b>	<b>0.0167</b>	<b>6.7000e-004</b>	<b>0.0173</b>	<b>0.0000</b>	<b>73.4704</b>	<b>73.4704</b>	<b>2.3800e-003</b>	<b>6.1700e-003</b>	<b>75.3688</b>

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0386	0.2967	0.4994	8.6000e-004		9.4200e-003	9.4200e-003		9.0500e-003	9.0500e-003	0.0000	71.3570	71.3570	0.0131	0.0000	71.6842
<b>Total</b>	<b>0.0386</b>	<b>0.2967</b>	<b>0.4994</b>	<b>8.6000e-004</b>		<b>9.4200e-003</b>	<b>9.4200e-003</b>		<b>9.0500e-003</b>	<b>9.0500e-003</b>	<b>0.0000</b>	<b>71.3570</b>	<b>71.3570</b>	<b>0.0131</b>	<b>0.0000</b>	<b>71.6842</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3100e-003	0.0851	0.0306	3.7000e-004	0.0120	4.8000e-004	0.0125	3.4700e-003	4.5000e-004	3.9200e-003	0.0000	37.0107	37.0107	1.4300e-003	5.2100e-003	38.5993
Worker	0.0155	9.2300e-003	0.1186	4.0000e-004	0.0496	2.4000e-004	0.0498	0.0132	2.2000e-004	0.0134	0.0000	36.4597	36.4597	9.5000e-004	9.6000e-004	36.7695
<b>Total</b>	<b>0.0178</b>	<b>0.0943</b>	<b>0.1491</b>	<b>7.7000e-004</b>	<b>0.0616</b>	<b>7.2000e-004</b>	<b>0.0623</b>	<b>0.0167</b>	<b>6.7000e-004</b>	<b>0.0173</b>	<b>0.0000</b>	<b>73.4704</b>	<b>73.4704</b>	<b>2.3800e-003</b>	<b>6.1700e-003</b>	<b>75.3688</b>

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3000e-004	6.0800e-003	8.7800e-003	1.0000e-005		3.0000e-004	3.0000e-004		2.7000e-004	2.7000e-004	0.0000	1.1636	1.1636	3.7000e-004	0.0000	1.1728
Paving	9.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.5500e-003</b>	<b>6.0800e-003</b>	<b>8.7800e-003</b>	<b>1.0000e-005</b>		<b>3.0000e-004</b>	<b>3.0000e-004</b>		<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>1.1636</b>	<b>1.1636</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.1728</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	6.0000e-005	7.5000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2246	0.2246	1.0000e-005	1.0000e-005	0.2266
<b>Total</b>	<b>1.0000e-004</b>	<b>6.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2246</b>	<b>0.2246</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2266</b>



## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3000e-004	4.4100e-003	9.9600e-003	1.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.1636	1.1636	3.7000e-004	0.0000	1.1728
Paving	9.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.1500e-003</b>	<b>4.4100e-003</b>	<b>9.9600e-003</b>	<b>1.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1636</b>	<b>1.1636</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.1728</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	6.0000e-005	7.5000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2246	0.2246	1.0000e-005	1.0000e-005	0.2266
<b>Total</b>	<b>1.0000e-004</b>	<b>6.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2246</b>	<b>0.2246</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2266</b>

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****3.7 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6465					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5900e-003	0.0241	0.0380	6.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	5.3618	5.3618	2.9000e-004	0.0000	5.3691
<b>Total</b>	<b>0.6501</b>	<b>0.0241</b>	<b>0.0380</b>	<b>6.0000e-005</b>		<b>1.0800e-003</b>	<b>1.0800e-003</b>		<b>1.0800e-003</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>5.3618</b>	<b>5.3618</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.3691</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-003	1.1300e-003	0.0145	5.0000e-005	6.0700e-003	3.0000e-005	6.0900e-003	1.6100e-003	3.0000e-005	1.6400e-003	0.0000	4.4580	4.4580	1.2000e-004	1.2000e-004	4.4958
<b>Total</b>	<b>1.9000e-003</b>	<b>1.1300e-003</b>	<b>0.0145</b>	<b>5.0000e-005</b>	<b>6.0700e-003</b>	<b>3.0000e-005</b>	<b>6.0900e-003</b>	<b>1.6100e-003</b>	<b>3.0000e-005</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>4.4580</b>	<b>4.4580</b>	<b>1.2000e-004</b>	<b>1.2000e-004</b>	<b>4.4958</b>

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6465					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1400e-003	0.0223	0.0385	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.3618	5.3618	2.9000e-004	0.0000	5.3691
<b>Total</b>	<b>0.6476</b>	<b>0.0223</b>	<b>0.0385</b>	<b>6.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>5.3618</b>	<b>5.3618</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.3691</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-003	1.1300e-003	0.0145	5.0000e-005	6.0700e-003	3.0000e-005	6.0900e-003	1.6100e-003	3.0000e-005	1.6400e-003	0.0000	4.4580	4.4580	1.2000e-004	1.2000e-004	4.4958
<b>Total</b>	<b>1.9000e-003</b>	<b>1.1300e-003</b>	<b>0.0145</b>	<b>5.0000e-005</b>	<b>6.0700e-003</b>	<b>3.0000e-005</b>	<b>6.0900e-003</b>	<b>1.6100e-003</b>	<b>3.0000e-005</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>4.4580</b>	<b>4.4580</b>	<b>1.2000e-004</b>	<b>1.2000e-004</b>	<b>4.4958</b>

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1178	0.1177	1.0925	2.2500e-003	0.2513	1.6300e-003	0.2529	0.0671	1.5200e-003	0.0686	0.0000	207.4492	207.4492	0.0137	9.2000e-003	210.5325
Unmitigated	0.1178	0.1177	1.0925	2.2500e-003	0.2513	1.6300e-003	0.2529	0.0671	1.5200e-003	0.0686	0.0000	207.4492	207.4492	0.0137	9.2000e-003	210.5325

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	146.28	132.02	109.94	361,693	361,693
City Park	0.00	0.00	0.00		
Condo/Townhouse	63.60	70.70	54.50	164,690	164,690
Parking Lot	0.00	0.00	0.00		
Single Family Housing	57.24	74.61	66.87	158,922	158,922
Total	267.12	277.33	231.31	685,305	685,305

**4.3 Trip Type Information**

Land Use Attachment A	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.541923	0.061611	0.201809	0.122882	0.023723	0.005505	0.006748	0.003708	0.000660	0.000400	0.027531	0.000725	0.002774
City Park	0.541923	0.061611	0.201809	0.122882	0.023723	0.005505	0.006748	0.003708	0.000660	0.000400	0.027531	0.000725	0.002774
Condo/Townhouse	0.541923	0.061611	0.201809	0.122882	0.023723	0.005505	0.006748	0.003708	0.000660	0.000400	0.027531	0.000725	0.002774
Parking Lot	0.541923	0.061611	0.201809	0.122882	0.023723	0.005505	0.006748	0.003708	0.000660	0.000400	0.027531	0.000725	0.002774
Single Family Housing	0.541923	0.061611	0.201809	0.122882	0.023723	0.005505	0.006748	0.003708	0.000660	0.000400	0.027531	0.000725	0.002774

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	12.0379	12.0379	1.9500e-003	2.4000e-004	12.1569
Electricity Unmitigated	Attachment A					0.0000	0.0000		0.0000	0.0000	0.0000	20.2296	20.2296	3.2700e-003	4.0000e-004	20.4296

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

NaturalGas Mitigated	4.0400e-003	0.0346	0.0147	2.2000e-004		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	40.0124	40.0124	7.7000e-004	7.3000e-004	40.2501
NaturalGas Unmitigated	4.0400e-003	0.0346	0.0147	2.2000e-004		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	40.0124	40.0124	7.7000e-004	7.3000e-004	40.2501

## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	194189	1.0500e-003	8.9500e-003	3.8100e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.3627	10.3627	2.0000e-004	1.9000e-004	10.4243
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	208294	1.1200e-003	9.6000e-003	4.0800e-003	6.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	11.1154	11.1154	2.1000e-004	2.0000e-004	11.1814
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	347320	1.8700e-003	0.0160	6.8100e-003	1.0000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	18.5343	18.5343	3.6000e-004	3.4000e-004	18.6445
<b>Total</b>		<b>4.0400e-003</b>	<b>0.0346</b>	<b>0.0147</b>	<b>2.2000e-004</b>		<b>2.7900e-003</b>	<b>2.7900e-003</b>		<b>2.7900e-003</b>	<b>2.7900e-003</b>	<b>0.0000</b>	<b>40.0124</b>	<b>40.0124</b>	<b>7.7000e-004</b>	<b>7.3000e-004</b>	<b>40.2501</b>

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	194189	1.0500e-003	8.9500e-003	3.8100e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.3627	10.3627	2.0000e-004	1.9000e-004	10.4243
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	208294	1.1200e-003	9.6000e-003	4.0800e-003	6.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	11.1154	11.1154	2.1000e-004	2.0000e-004	11.1814
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	347320	1.8700e-003	0.0160	6.8100e-003	1.0000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	18.5343	18.5343	3.6000e-004	3.4000e-004	18.6445
<b>Total</b>		<b>4.0400e-003</b>	<b>0.0346</b>	<b>0.0147</b>	<b>2.2000e-004</b>		<b>2.7900e-003</b>	<b>2.7900e-003</b>		<b>2.7900e-003</b>	<b>2.7900e-003</b>	<b>0.0000</b>	<b>40.0124</b>	<b>40.0124</b>	<b>7.7000e-004</b>	<b>7.3000e-004</b>	<b>40.2501</b>



## Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Mid Rise	89386.5		8.2704	1.3400e-003	1.6000e-004	8.3522
City Park	0		0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	48390.6		4.4773	7.2000e-004	9.0000e-005	4.5216
Parking Lot	10570		0.9780	1.6000e-004	2.0000e-005	0.9877
Single Family Housing	70294.7		6.5039	1.0500e-003	1.3000e-004	6.5682
<b>Total</b>			<b>20.2296</b>	<b>3.2700e-003</b>	<b>4.0000e-004</b>	<b>20.4296</b>

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Mitigated**

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Apartments Mid Rise	71679.3		6.6320	1.0700e-003	1.3000e-004	6.6976
City Park	-17707.2		-1.6383	-0.0003	0.0000	-1.6545
Condo/Townhouse	30683.4		2.8389	4.6000e-004	6.0000e-005	2.8670
Parking Lot	-7137.2		-0.6604	-0.0001	0.0000	-0.6669
Single Family Housing	52587.5		4.8656	7.9000e-004	1.0000e-004	4.9137
<b>Total</b>			<b>12.0379</b>	<b>1.9400e-003</b>	<b>2.5000e-004</b>	<b>12.1569</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
--	-----	-----	----	-----	---------------	--------------	------------	----------------	---------------	-------------	----------	-----------	-----------	-----	-----	------

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Category	tons/yr										MT/yr					
	Mitigated	0.4317	5.3900e-003	0.3123	3.0000e-005		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	2.5918	2.5918	5.3000e-004	4.0000e-005
Unmitigated	0.5607	6.5000e-003	0.4936	3.8000e-004		0.0278	0.0278		0.0278	0.0278	2.6485	1.4083	4.0567	5.0700e-003	1.6000e-004	4.2323

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1292	2.9100e-003	0.1820	3.7000e-004		0.0261	0.0261		0.0261	0.0261	2.6485	0.8988	3.5473	4.5800e-003	1.6000e-004	3.7107
Landscaping	9.3600e-003	3.5900e-003	0.3116	2.0000e-005		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5216
<b>Total</b>	<b>0.5607</b>	<b>6.5000e-003</b>	<b>0.4936</b>	<b>3.9000e-004</b>		<b>0.0278</b>	<b>0.0278</b>		<b>0.0278</b>	<b>0.0278</b>	<b>2.6485</b>	<b>1.4083</b>	<b>4.0567</b>	<b>5.0700e-003</b>	<b>1.6000e-004</b>	<b>4.2323</b>

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1000e-004	1.8000e-003	7.7000e-004	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.0823	2.0823	4.0000e-005	4.0000e-005	2.0947
Landscaping	9.3600e-003	3.5900e-003	0.3116	2.0000e-005		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	0.5094	0.5094	4.9000e-004	0.0000	0.5216
<b>Total</b>	<b>0.4317</b>	<b>5.3900e-003</b>	<b>0.3123</b>	<b>3.0000e-005</b>		<b>1.8800e-003</b>	<b>1.8800e-003</b>		<b>1.8800e-003</b>	<b>1.8800e-003</b>	<b>0.0000</b>	<b>2.5918</b>	<b>2.5918</b>	<b>5.3000e-004</b>	<b>4.0000e-005</b>	<b>2.6163</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	tons/yr	MT/yr		
Mitigated	3.1441	0.0895	2.1500e-003	6.0232

Attachment A

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Unmitigated		3.1441	0.0895	2.1500e-003	6.0232
-------------	--	--------	--------	-------------	--------

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Mid Rise	1.49854 / 0.944733		1.5316	0.0490	1.1700e-003	3.1064
City Park	0 / 1.07233		0.3473	6.0000e-005	1.0000e-005	0.3507
Condo/Townhouse	0.65154 / 0.410754		0.6659	0.0213	5.1000e-004	1.3506
Parking Lot	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.586386 / 0.369678		0.5993	0.0192	4.6000e-004	1.2155
<b>Total</b>			<b>3.1441</b>	<b>0.0895</b>	<b>2.1500e-003</b>	<b>6.0232</b>

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Mitigated**

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Apartments Mid Rise	1.49854 / 0.944733		1.5316	0.0490	1.1700e-003	3.1064
City Park	0 / 1.07233		0.3473	6.0000e-005	1.0000e-005	0.3507
Condo/Townhouse	0.65154 / 0.410754		0.6659	0.0213	5.1000e-004	1.3506
Parking Lot	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.586386 / 0.369678		0.5993	0.0192	4.6000e-004	1.2155
<b>Total</b>			<b>3.1441</b>	<b>0.0895</b>	<b>2.1500e-003</b>	<b>6.0232</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e	
	tons/yr	MT/yr			
Attachment A					

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Mitigated		5.3143	0.3141	0.0000	13.1660
Unmitigated		5.3143	0.3141	0.0000	13.1660

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Mid Rise	10.58		2.1476	0.1269	0.0000	5.3207
City Park	0.08		0.0162	9.6000e-004	0.0000	0.0402
Condo/Townhouse	4.6		0.9338	0.0552	0.0000	2.3134
Parking Lot	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	10.92		2.2167	0.1310	0.0000	5.4917
<b>Total</b>			<b>5.3143</b>	<b>0.3141</b>	<b>0.0000</b>	<b>13.1660</b>

Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Mitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Apartments Mid Rise	10.58		2.1476	0.1269	0.0000	5.3207
City Park	0.08		0.0162	9.6000e-004	0.0000	0.0402
Condo/Townhouse	4.6		0.9338	0.0552	0.0000	2.3134
Parking Lot	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	10.92		2.2167	0.1310	0.0000	5.4917
<b>Total</b>			<b>5.3143</b>	<b>0.3141</b>	<b>0.0000</b>	<b>13.1660</b>

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	15	0	50	50	0.73	Diesel

**Boilers**



Mallard Pointe Project - Marin County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

**User Defined Equipment**

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

**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (50 - 75 HP)	0.0308	0.1003	0.1117	1.5000e-004		4.5300e-003	4.5300e-003		4.5300e-003	4.5300e-003	0.0000	14.2799	14.2799	2.0000e-003	0.0000	14.3300
<b>Total</b>	<b>0.0308</b>	<b>0.1003</b>	<b>0.1117</b>	<b>1.5000e-004</b>		<b>4.5300e-003</b>	<b>4.5300e-003</b>		<b>4.5300e-003</b>	<b>4.5300e-003</b>	<b>0.0000</b>	<b>14.2799</b>	<b>14.2799</b>	<b>2.0000e-003</b>	<b>0.0000</b>	<b>14.3300</b>

**11.0 Vegetation**

---

## Operational Vehicle Trip Generation Rate Adjustments

Trip-Generating CalEEMod Land Use	Size Metric	Size	Default Trip Generation Rates <sup>1</sup>			Total Weekday Trips <sup>2,3</sup>	Adjusted Trip Generation Rates (Based on proportional change to weekday trips)		
			Weekday	Saturday	Sunday		Weekday	Saturday	Sunday
Apartments Mid Rise	Dwelling Unit	23	5.44	4.91	4.09	146.21	6.36	5.74	4.78
City Park	Acre	0.9	0.78	1.96	2.19	-	-	-	-
Condo/Townhouse	Dwelling Unit	10	7.32	8.14	6.28	63.57	6.36	7.07	5.45
Parking Lot	Acre	0.7	-	-	-	-	-	-	-
Single Family Housing	Dwelling Unit	9	9.44	9.54	8.55	57.21	6.36	8.29	7.43

Notes/Sources:

<sup>1</sup> California Air Pollution Control Officers Association (CAPCOA). 2021. California Emissions Estimator Model (CalEEMod), Version 2020.4.0.

<sup>2</sup> Parisi Transportation Consulting. 2021. FINAL Mallard Pointe Transportation Study; Belvedere, CA. December 13.

<sup>3</sup> Because the Final Mallard Pointe Transportation Study identifies a different breakdown of trip assignment between apartments, single family dwellings, and condos, the total daily trips generated by the proposed project (267) were identified and then divided proportionally among the various residential land use types depending on each land use type's proportional share of total dwelling units.

**Demolition Debris Calculations**

Parameters <sup>1</sup>			
1	building st	10	cf building volume
1	cf building volume	0.25	cf waste volume
1	cf	0.037	cy
1	cy waste volume	0.5	ton waste weight
<b>1</b>	<b>sf</b>	<b>0.04625</b>	<b>ton waste material</b>

Description	square feet <sup>2</sup>	height/ depth (ft) <sup>3</sup>	density (lbs/cf) <sup>4</sup>	Demolition Weight (pounds)	Demolition Weight (tons)
Buildings	34,103	-	-	-	1,577.26
Pavement	55,480	0.5	150	4,161,000	2,080.50
<b>Totals</b>	<b>89,583</b>	-	-	-	<b>3,658</b>

Notes:

cy = cubic yard

gsf = gross square feet

sf = square feet

cf = cubic feet

<sup>1</sup> Source: California Air Pollution Control Officers Association (CAPCOA). 2017. Appendix A Calculation Details for CalEEMod. October.

<sup>2</sup> Source: Thompson Dorfman. Request For Information. Dated February 14, 2022.

<sup>3</sup> Source: DC Construction Services. 2017. How Thick Is Parking Lot Asphalt? Website: <https://dccpaving.com/how-thick-is-parking-lot-asphalt/>. Accessed March 10, 2022.

<sup>4</sup> Source: SFGate. 2019. How to Calculate Asphalt Weight Per Yard. Website: <https://homeguides.sfgate.com/calculate-asphalt-weight-per-yard-81825.html>. Accessed March 10, 2022.

## Project Construction Emissions

File Name: Mallard Pointe Project - Marin County, Annual  
 Timestamp: Date: 3/25/2022 8:14 AM

### Construction Emissions (tons)

Construction Activity	ROG	NO <sub>x</sub>	PM <sub>10</sub> (Exhaust)	PM <sub>2.5</sub> (Exhaust)
on site	0.00420	0.04990	0.00150	0.00139
off site	0.00089	0.02720	0.00021	0.00020
<b>Demolition 2024</b>	<b>0.00509</b>	<b>0.07710</b>	<b>0.00171</b>	<b>0.00159</b>
on site	0.00251	0.04160	0.00024	0.00024
off site	0.00042	0.00026	0.00001	0.00001
<b>Site Preparation 2024</b>	<b>0.00293</b>	<b>0.04186</b>	<b>0.00025</b>	<b>0.00025</b>
on site	0.00278	0.03370	0.00102	0.00095
off site	0.00047	0.01410	0.00010	0.00010
<b>Grading 2024</b>	<b>0.00325</b>	<b>0.04780</b>	<b>0.00112</b>	<b>0.00105</b>
on site	0.03410	0.26040	0.00874	0.00841
off site	0.01570	0.08040	0.00061	0.00057
<b>Building Construction 2024</b>	<b>0.04980</b>	<b>0.34080</b>	<b>0.00935</b>	<b>0.00898</b>
on site	0.03860	0.29670	0.00942	0.00905
off site	0.01780	0.09430	0.00072	0.00067
<b>Building Construction 2025</b>	<b>0.05640</b>	<b>0.39100</b>	<b>0.01014</b>	<b>0.00972</b>
on site	0.00115	0.00441	0.00003	0.00003
off site	0.00010	0.00006	0.00000	0.00000
<b>Paving 2024</b>	<b>0.00125</b>	<b>0.00447</b>	<b>0.00003</b>	<b>0.00003</b>
on site	0.64760	0.02230	0.00008	0.00008
off site	0.00190	0.00113	0.00003	0.00003
<b>Architectural Coating 2025</b>	<b>0.64950</b>	<b>0.02343</b>	<b>0.00011</b>	<b>0.00011</b>
<b>On Site Total</b>	<b>0.73094</b>	<b>0.70901</b>	<b>0.02103</b>	<b>0.02015</b>
<b>Off Site Total</b>	<b>0.03728</b>	<b>0.21745</b>	<b>0.00168</b>	<b>0.00158</b>

Note: The application of BAAQMD Dust Control Measures would reduce the generation of fugitive dust emissions and would not affect ROG, NO<sub>x</sub>, PM10 Exhaust, or PM2.5 Exhaust emission estimates.

### Average Daily Construction Emissions

Metric	ROG	NO <sub>x</sub>	PM <sub>10</sub> (Exhaust)	PM <sub>2.5</sub> (Exhaust)
Total Emissions (tons)	0.77	0.93	0.02	0.02
Total Emissions (lbs)	1,536.44	1,852.92	45.42	43.46
<b>Average Daily Emissions (lbs/workday)</b>	<b>3.17</b>	<b>3.82</b>	<b>0.09</b>	<b>0.09</b>
<i>Significance Thresholds (lbs/day)</i>	54	54	82	54

Construction Phase	Workdays
Demolition	29
Site Preparation	40
Grading	20
Building Construction	420
Paving	5
Architectural Coating	140
Net Working Days	485

Mitigation Applied	Mitigation Description			
None	N/A			

## Project Operational Emissions

File Name: Mallard Pointe Project - Marin County, Annual  
 Timestamp: Date: 3/25/2022 8:14 AM

Emissions Source	ROG	NO <sub>x</sub>	PM <sub>10</sub> (Total)	PM <sub>2.5</sub> (Total)
	Tons per Year			
Area	0.43	0.01	0.00	0.00
Energy	0.00	0.03	0.00	0.00
Mobile	0.12	0.12	0.25	0.07
Stationary <sup>1</sup>	-	-	-	-
<b>Total</b>	<b>0.55</b>	<b>0.16</b>	<b>0.26</b>	<b>0.07</b>
BAAQMD Significance Thresholds	10	10	15	10
<b>Exceeds Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
Note: All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-". <sup>1</sup> Stationary sources are no longer included in the proposed project per applicant-provided information.				

### Average Daily Operational Emissions (lbs/day)

Emissions/Thresholds	ROG	NO <sub>x</sub>	PM <sub>10</sub> (Total)	PM <sub>2.5</sub> (Total)
Total Emissions (tons)	0.55	0.16	0.26	0.07
Total Emissions (lbs)	1107.08	315.38	515.12	146.52
<b>Average Daily Emissions (lbs/day)</b>	<b>3.03</b>	<b>0.86</b>	<b>1.41</b>	<b>0.40</b>
BAAQMD Significance Thresholds	54	54	82	54
<b>Project Exceeds Threshold?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

## Project Operational GHG Emissions

### Construction GHG Emissions

File Name: Mallard Pointe Project - Marin County, Annual

Timestamp: Date: 3/25/2022 8:14 AM

Emissions Source	Construction
	MT CO <sub>2</sub> e
Demolition	22
Site Preparation	14
Grading	12
Building Construction	271
Paving	1
Architectural Coating	10
<b>Total</b>	<b>331</b>
Amortized Over 30 Years	11

### Proposed Operational GHG Emissions (Year 2025)

File Name: Mallard Pointe Project - Marin County, Annual

Timestamp: Date: 3/25/2022 8:14 AM

Emissions Source	Proposed Project
	MT CO <sub>2</sub> e/Year
Area	3
Energy	52
Mobile	211
Waste	8
Water	5
Amortized Construction Emissions	11
<b>Total Emissions</b>	<b>290</b>
<i>Bright-Line Significance Threshold (MT CO<sub>2</sub>e/year)</i>	<i>660</i>
<b>Exceeds Threshold?</b>	<b>No</b>
Service Population (based on CalEEMod default)	121
CO <sub>2</sub> e per Service Population ( <i>MT CO<sub>2</sub>e/capita/year</i> )	2.4
Note: Consistent with BAAQMD guidance, the GHG emission estimates shown above discount biogenic GHGs.	

# Mallard Pointe Project Construction Emissions Exhaust PM<sub>2.5</sub> for HRA

Annual Construction Emissions (tons)  
(as taken from CalEEMod)

Construction Activity	PM <sub>2.5</sub> (Exhaust)
Onsite	0.00139
Offsite	0.00020
<b>Demolition</b>	<b>0.00159</b>
Onsite	0.00024
Offsite	0.00001
<b>Site Preparation</b>	<b>0.00025</b>
Onsite	0.00095
Offsite	0.00010
<b>Grading</b>	<b>0.00105</b>
Onsite	0.01746
Offsite	0.00124
<b>Building Construction</b>	<b>0.01870</b>
Onsite	0.00003
Offsite	0.00000
<b>Paving</b>	<b>0.00003</b>
Onsite	0.00008
Offsite	0.00003
<b>Architectural Coating</b>	<b>0.00011</b>
<b>Total Onsite</b>	<b>2.02E-02</b>
<b>Total Offsite</b>	<b>1.58E-03</b>

## Mallard Pointe Project Construction Emissions Fugitive Dust PM<sub>2.5</sub> for HRA

Annual Construction Emissions (tons)  
(as taken from CalEEMod)

Construction Activity	PM <sub>2.5</sub> (Fugitive Dust)
Onsite	0.00267
Offsite	0.00124
<b>Demolition</b>	<b>0.00391</b>
Onsite	0.00046
Offsite	0.00034
<b>Site Preparation</b>	<b>0.00080</b>
Onsite	0.00463
Offsite	0.00065
<b>Grading</b>	<b>0.00528</b>
Onsite	0.00000
Offsite	0.03060
<b>Building Construction</b>	<b>0.03060</b>
Onsite	0.00000
Offsite	0.00008
<b>Paving</b>	<b>0.00008</b>
Onsite	0.00000
Offsite	0.00161
<b>Architectural Coating</b>	<b>0.00161</b>
<b>Total Onsite</b>	<b>7.76E-03</b>
<b>Total Offsite</b>	<b>3.45E-02</b>



## Mallard Pointe Project (Unmitigated Construction—DPM)

### Estimation of Annual Onsite Construction Emissions (Project Site)—DPM (Exhaust PM2.5)

Start of Construction	1/2/2024	
End of Construction	8/15/2025	<b>Total</b>
Number of Days	591	591
Number of Hours	14,184	14,184

**Size of the construction area source (entire site):** 11,217.2 sq-meters

On-site Construction Activity	Unmitigated On-site DPM (tons)
Total On-site DPM (PM2.5 exhaust)	0.02015

**Total Unmitigated DPM (On-site)** 2.015E-02 tons

**Factor in AERMOD to Account for 5 days per week/8 hours per day: 4.2**  
**1 g/s used as the unit emission in AERMOD - converted to g/s/m2 in AERMOD**

**Average Emission (Emissions Summary for HARP2 Inputs)**

- 1.830E+04 grams
- 3.583E-04 grams/sec
- 3.194E-08 grams/m2-sec

Tons/Construction Period	2.015E-02
Pounds/Construction Period	4.030E+01
Pounds/Day	6.819E-02
Pounds/Hour	2.841E-03
Pounds/Year	2.489E+01
Years	1.619178082

## Mallard Pointe Project (Unmitigated Construction—DPM)

### Estimation of Annual Offsite Construction DPM Emissions (Project Site)

Start of Construction	1/2/2024	
End of Construction	8/15/2025	
Number of Days	591	<b>Total</b> 591
Number of Hours	14,184	14,184

	2024	2024	2024	2024
	Site			
<b>Construction Trip Type</b>	Demolition	Preparation	Grading	Paving
Haul Truck	0.00019	0.00000	0.00010	0.00000
Vendor Truck	0.00000	0.00000	0.00000	0.00000
Worker	0.00001	0.00001	0.00000	0.00000
<b>Total</b>	<b>0.00020</b>	<b>0.00001</b>	<b>0.00010</b>	<b>0.00000</b>

	2024	2028	2025
	Building Construction	Building Construction	Architectural Coating
Haul Truck	0.00000	0.00000	0.00000
Vendor Truck	0.00038	0.00045	0.00000
Worker	0.00019	0.00022	0.00003
<b>Total</b>	<b>0.00057</b>	<b>0.00067</b>	<b>0.00003</b>

	<b>Haul Truck (tons)</b>	<b>Vendor Truck (tons)</b>	<b>Worker (tons)</b>	<b>Total (tons)</b>
<b>Total DPM</b>	2.900E-04	8.300E-04	4.600E-04	1.580E-03

### Average Emissions

Grams	2.633E+02	7.536E+02	4.177E+02
Grams/sec	5.157E-06	1.476E-05	8.180E-06

Default Distance                      20                      7.3                      10.8                      Vehicle Travel Distance Assumed in CalEEMod Runs

### Vehicle Travel Distances in the Construction HRA (miles)

Road Segment 1	0.54	0.54	0.54	miles
Road Segment 2	0.56	0.56	0.56	miles
Additional Localized	0.25	0.25	0.25	miles

### Trip Distribution (percent)

Off-site Road Segment 1	50.0%	50.0%	50.0%	Off-site Road Segment 1
Off-site Road Segment 2	50.0%	50.0%	50.0%	Off-site Road Segment 2
Additional Localized	100.0%	100.0%	100.0%	(0.25 mi to account for expected increases from idle/speed)

Additional Localized (g/sec)                      6.446E-08                      5.055E-07                      1.893E-07                      7.593E-07                      50% to be added to each road segment

### Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)

				<b>Total</b>	
Road Segment 1	1.0188E-07	7.9889E-07	2.9927E-07	1.2000E-06	Off-site Road Segment 1
Road Segment 2	1.0382E-07	8.1409E-07	3.0497E-07	1.2229E-06	Off-site Road Segment 2

### Average Emission (Emissions Summary for HARP2 Inputs)

	Grams/sec	Pounds/Hour	Pounds/Day	Pounds/year	Tons/year	Max Pounds/Hour
Road Segment 1 (Off1)	1.2000E-06	9.5243E-06	2.2858E-04	1.3509E-01	6.7547E-05	2.8573E-05
Road Segment 2 (Off2)	1.2229E-06	9.7056E-06	2.3293E-04	1.3766E-01	6.8832E-05	2.9117E-05

HARP2 - HRACalc (dated 22118) 10/13/2022 3:16:16 PM - Output Log

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors loaded successfully  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: HighEnd

\*\*\*\*\*  
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 1.62

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0.25  
0<2 Years Bin: 1.62  
2<9 Years Bin: 0  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 0

\*\*\*\*\*  
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*  
INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*  
Worker adjustment factors enabled: NO

\*\*Fraction at time at home\*\*

3rd Trimester to 16 years: OFF  
16 years to 70 years: OFF

\*\*\*\*\*

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to: H:\55660002 Mallard Pt\02 - V2\HARP2\MP UNMIT CON - DPM\hra\MP\_Un Mit DPMCancerRisk.csv

Cancer risk total by receptor saved to: H:\55660002 Mallard Pt\02 - V2\HARP2\MP UNMIT CON - DPM\hra\MP\_Un Mit DPMCancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to: H:\55660002 Mallard Pt\02 - V2\HARP2\MP UNMIT CON - DPM\hra\MP\_Un Mit DPMNCChronicRisk.csv

Chronic risk total by receptor saved to: H:\55660002 Mallard Pt\02 - V2\HARP2\MP UNMIT CON - DPM\hra\MP\_Un Mit DPMNCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to: H:\55660002 Mallard Pt\02 - V2\HARP2\MP UNMIT CON - DPM\hra\MP\_Un Mit DPMNCAcuteRisk.csv

Acute risk total by receptor saved to: H:\55660002 Mallard Pt\02 - V2\HARP2\MP UNMIT CON - DPM\hra\MP\_Un Mit DPMNCAcuteRiskSumByRec.csv

HRA ran successfully

# Health Risk Summary - Unmitigated Construction (Summary of HARP2 Results)

## Mallard Pointe Project (Unmitigated Construction)

	RISK_SUM	Cancer Risk/million	MAXHI NonCancer Chronic	MAXHI Acute
Maximum Risk	6.5489E-06	6.549	4.6831E-03 0.0046831	0.00E+00
	X	Y		
MIR UTM	546969.70	4192085.29		
Lat/Long	37° 52' 30.15" N, 122° 27' 57.34" W			
Receptor #	268			

\*HARP - HRACalc v22118 10/13/2022 3:16:16 PM - Cancer Risk - Input File: H:\55660002 Mallard Pt\02 - V2\HARP2\MP UNMIT CON - DPM\hra\MP\_Un Mit DPMHRAInput.hra  
 \*HARP - HRACalc v22118 10/13/2022 3:16:16 PM - Chronic Risk - Input File: H:\55660002 Mallard Pt\02 - V2\HARP2\MP UNMIT CON - DPM\hra\MP\_Un Mit DPMHRAInput.hra  
 \*HARP - HRACalc v22118 10/13/2022 3:16:16 PM - Acute Risk - Input File: H:\55660002 Mallard Pt\02 - V2\HARP2\MP UNMIT CON - DPM\hra\MP\_Un Mit DPMHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
1	ALL	546963.98	4192092.93	4.9561E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0035441	0.00E+00
2	ALL	546943.58	4192097.25	2.4381E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0017435	0.00E+00
3	ALL	547093.10	4191993.46	6.1136E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0043719	0.00E+00
4	ALL	547082.04	4191971.20	3.5791E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0025594	0.00E+00
5	ALL	547104.30	4191959.85	2.0856E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0014914	0.00E+00
6	ALL	547164.12	4192129.26	1.1582E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00082823	0.00E+00
7	ALL	547174.59	4192100.07	1.2689E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0009074	0.00E+00
8	ALL	547186.53	4192070.30	1.2739E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00091099	0.00E+00
9	ALL	547196.25	4192054.82	1.1918E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00085224	0.00E+00
10	ALL	547155.33	4192149.30	1.0508E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00075145	0.00E+00
11	ALL	547146.93	4192167.78	9.1738E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00065602	0.00E+00
12	ALL	547137.81	4192184.34	7.8653E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00056245	0.00E+00
13	ALL	547124.37	4192198.74	6.8796E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00049196	0.00E+00
14	ALL	547109.25	4192214.82	5.6591E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00040468	0.00E+00
15	ALL	546993.41	4192226.83	5.0316E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00035981	0.00E+00
16	ALL	547073.44	4192244.53	4.4601E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00031895	0.00E+00
17	ALL	547053.52	4192260.85	4.1713E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00029829	0.00E+00
18	ALL	547039.12	4192272.62	3.9644E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0002835	0.00E+00
19	ALL	546956.71	4191991.30	1.9970E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0014281	0.00E+00
20	ALL	546973.89	4191960.33	1.7421E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0012458	0.00E+00
21	ALL	546984.44	4191946.27	1.6112E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0011522	0.00E+00
22	ALL	546923.31	4192001.10	1.3191E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00094328	0.00E+00
23	ALL	546911.54	4192010.94	1.1651E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00083315	0.00E+00
24	ALL	546890.65	4192020.79	8.8744E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00063461	0.00E+00
25	ALL	547210.40	4192037.86	1.0497E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00075062	0.00E+00
26	ALL	547218.71	4192019.58	9.6207E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00068798	0.00E+00
27	ALL	547232.34	4192005.29	8.3597E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00059781	0.00E+00
28	ALL	547021.96	4192285.07	3.7153E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00026569	0.00E+00
29	ALL	547009.15	4192299.81	3.3150E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00023706	0.00E+00
30	ALL	546992.80	4192311.81	3.0190E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00021589	0.00E+00
31	ALL	546976.46	4192324.07	2.7086E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001937	0.00E+00
32	ALL	546958.37	4192335.02	2.4296E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017374	0.00E+00
33	ALL	546939.44	4192345.48	2.1668E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00015495	0.00E+00
34	ALL	546915.08	4192351.94	1.9368E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001385	0.00E+00
35	ALL	546766.37	4192192.83	1.9149E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013693	0.00E+00
36	ALL	546790.93	4192159.79	2.5751E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00018415	0.00E+00
37	ALL	546779.05	4192174.73	2.2377E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00016002	0.00E+00
38	ALL	546802.57	4192131.54	3.2394E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00023165	0.00E+00
39	ALL	546815.93	4192141.52	3.3482E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00023943	0.00E+00
40	ALL	546833.30	4192152.81	3.6099E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00025815	0.00E+00
41	ALL	546846.87	4192169.53	3.6462E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00026074	0.00E+00
42	ALL	546884.29	4192144.77	6.1411E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00043915	0.00E+00
43	ALL	546874.95	4192131.42	6.1141E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00043722	0.00E+00
44	ALL	546904.61	4192112.10	1.0062E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00071951	0.00E+00
45	ALL	546926.83	4192105.08	1.5532E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0011107	0.00E+00
46	ALL	546846.24	4192090.83	5.3360E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00038158	0.00E+00
47	ALL	546862.02	4192087.97	6.3294E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00045262	0.00E+00
48	ALL	546698.60	4192192.48	1.3779E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000098536	0.00E+00
49	ALL	546709.33	4192178.42	1.5919E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00011384	0.00E+00
50	ALL	546719.68	4192163.35	1.7628E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012606	0.00E+00
51	ALL	546734.11	4192147.89	2.0103E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014375	0.00E+00
52	ALL	546743.41	4192134.06	2.1703E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001552	0.00E+00
53	ALL	546755.93	4192120.27	2.4229E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017326	0.00E+00
54	ALL	546765.51	4192102.76	2.6091E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00018658	0.00E+00
55	ALL	546778.29	4192089.62	2.9208E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00020887	0.00E+00
56	ALL	546796.43	4192072.90	3.3957E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00024283	0.00E+00

57	ALL	546817.68	4192063.17	4.0045E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00028636	0.00E+00
58	ALL	546835.57	4192052.50	4.6867E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00033515	0.00E+00
59	ALL	546854.66	4192039.72	5.7214E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00040914	0.00E+00
60	ALL	546933.56	4191992.66	1.4501E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.001037	0.00E+00
61	ALL	547035.11	4191945.10	2.0296E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0014514	0.00E+00
62	ALL	547100.93	4191937.05	1.2520E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00089529	0.00E+00
63	ALL	547118.79	4191925.10	9.8635E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00070534	0.00E+00
64	ALL	547138.60	4191909.36	7.2123E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00051576	0.00E+00
65	ALL	547161.60	4191914.31	7.1031E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00050795	0.00E+00
66	ALL	547179.99	4191928.99	7.7978E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00055763	0.00E+00
67	ALL	547201.93	4191921.92	6.5586E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00046901	0.00E+00
68	ALL	547227.40	4191917.67	5.6591E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00040469	0.00E+00
69	ALL	547248.80	4191920.50	5.2809E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00037764	0.00E+00
70	ALL	547150.85	4191885.15	4.8934E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00034993	0.00E+00
71	ALL	547158.24	4191872.46	4.2462E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00030365	0.00E+00
72	ALL	547174.09	4191881.79	4.5798E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00032751	0.00E+00
73	ALL	547198.12	4191886.39	4.6798E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00033466	0.00E+00
74	ALL	547274.27	4191929.64	4.9808E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00035618	0.00E+00
75	ALL	547287.54	4191939.19	4.9099E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00035111	0.00E+00
76	ALL	547327.93	4191967.81	4.2768E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00030584	0.00E+00
77	ALL	547450.25	4192097.69	1.8798E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013442	0.00E+00
78	ALL	547462.78	4192103.44	1.7477E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012498	0.00E+00
79	ALL	547471.60	4192083.62	1.7815E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012739	0.00E+00
80	ALL	547477.10	4192053.45	1.8621E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013316	0.00E+00
81	ALL	547457.66	4192045.01	2.0692E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014797	0.00E+00
82	ALL	547451.27	4192078.25	1.9763E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014132	0.00E+00
83	ALL	547454.43	4192099.61	1.8343E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013117	0.00E+00
84	ALL	547458.60	4192101.52	1.7904E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012803	0.00E+00
85	ALL	547464.54	4192099.48	1.7558E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012556	0.00E+00
86	ALL	547466.31	4192095.51	1.7633E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001261	0.00E+00
87	ALL	547468.07	4192091.55	1.7701E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012658	0.00E+00
88	ALL	547469.84	4192087.58	1.7761E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012701	0.00E+00
89	ALL	547472.39	4192079.31	1.7951E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012837	0.00E+00
90	ALL	547473.17	4192075.00	1.8093E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012939	0.00E+00
91	ALL	547473.96	4192070.69	1.8214E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013025	0.00E+00
92	ALL	547474.74	4192066.38	1.8328E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013107	0.00E+00
93	ALL	547475.53	4192062.07	1.8435E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013183	0.00E+00
94	ALL	547476.31	4192057.76	1.8533E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013253	0.00E+00
95	ALL	547473.21	4192051.76	1.8999E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013586	0.00E+00
96	ALL	547469.32	4192050.07	1.9405E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013877	0.00E+00
97	ALL	547465.44	4192048.39	1.9822E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014175	0.00E+00
98	ALL	547461.55	4192046.70	2.0251E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014482	0.00E+00
99	ALL	547456.75	4192049.76	2.0547E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014693	0.00E+00
100	ALL	547455.83	4192054.51	2.0428E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014608	0.00E+00
101	ALL	547454.92	4192059.26	2.0322E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014532	0.00E+00
102	ALL	547454.01	4192064.00	2.0203E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014447	0.00E+00
103	ALL	547453.10	4192068.75	2.0073E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014354	0.00E+00
104	ALL	547452.18	4192073.50	1.9933E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014254	0.00E+00
105	ALL	547451.02	4192083.11	1.9535E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013969	0.00E+00
106	ALL	547450.76	4192087.97	1.9299E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013801	0.00E+00
107	ALL	547450.51	4192092.83	1.9052E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013624	0.00E+00
108	ALL	547069.40	4192685.31	4.2459E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000030363	0.00E+00
109	ALL	547139.23	4192803.27	2.4795E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000017731	0.00E+00
110	ALL	547128.04	4192817.17	2.4902E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000017807	0.00E+00
111	ALL	547122.62	4192837.17	2.4148E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000017269	0.00E+00
112	ALL	547121.60	4192850.73	2.3474E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000016786	0.00E+00
113	ALL	547104.65	4192865.31	2.3942E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000017121	0.00E+00
114	ALL	547086.01	4192879.88	2.4845E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000017767	0.00E+00
115	ALL	547071.77	4192888.36	2.5273E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000018073	0.00E+00
116	ALL	547047.03	4192879.88	2.7273E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000019503	0.00E+00
117	ALL	547030.08	4192862.93	2.9417E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000021036	0.00E+00
118	ALL	547011.44	4192846.66	3.1698E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000022667	0.00E+00
119	ALL	546983.64	4192843.95	3.3197E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00002374	0.00E+00
120	ALL	546952.12	4192842.93	3.4123E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000024402	0.00E+00
121	ALL	546932.79	4192849.03	3.3763E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000024144	0.00E+00
122	ALL	546915.17	4192860.22	3.2804E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023458	0.00E+00
123	ALL	546901.27	4192865.64	3.2236E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023052	0.00E+00
124	ALL	546892.46	4192856.49	3.2756E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023424	0.00E+00
125	ALL	546880.25	4192832.09	3.4273E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000024509	0.00E+00
126	ALL	546953.81	4192789.37	3.8883E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000027806	0.00E+00
127	ALL	546990.76	4192762.26	4.0527E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000028981	0.00E+00
128	ALL	547023.98	4192733.10	4.1540E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029705	0.00E+00
129	ALL	547071.89	4192689.52	4.1637E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029775	0.00E+00
130	ALL	547074.39	4192693.74	4.0832E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029199	0.00E+00
131	ALL	547076.88	4192697.95	4.0049E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000028639	0.00E+00

132	ALL	547079.38	4192702.16	3.9283E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000028092	0.00E+00
133	ALL	547081.87	4192706.37	3.8539E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00002756	0.00E+00
134	ALL	547084.36	4192710.59	3.7812E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00002704	0.00E+00
135	ALL	547086.86	4192714.80	3.7102E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000026532	0.00E+00
136	ALL	547089.35	4192719.01	3.6412E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000026039	0.00E+00
137	ALL	547091.85	4192723.23	3.5738E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000025556	0.00E+00
138	ALL	547094.34	4192727.44	3.5082E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000025087	0.00E+00
139	ALL	547096.83	4192731.65	3.4440E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000024629	0.00E+00
140	ALL	547099.33	4192735.86	3.3814E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000024181	0.00E+00
141	ALL	547101.82	4192740.08	3.3206E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023746	0.00E+00
142	ALL	547104.31	4192744.29	3.2612E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023321	0.00E+00
143	ALL	547106.81	4192748.50	3.2030E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000022905	0.00E+00
144	ALL	547109.30	4192752.72	3.1461E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000022498	0.00E+00
145	ALL	547111.80	4192756.93	3.0904E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0000221	0.00E+00
146	ALL	547114.29	4192761.14	3.0359E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00002171	0.00E+00
147	ALL	547116.78	4192765.35	2.9828E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00002133	0.00E+00
148	ALL	547119.28	4192769.57	2.9307E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000020958	0.00E+00
149	ALL	547121.77	4192773.78	2.8151E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000020131	0.00E+00
150	ALL	547124.27	4192777.99	2.7626E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000019755	0.00E+00
151	ALL	547126.76	4192782.21	2.7120E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000019394	0.00E+00
152	ALL	547129.25	4192786.42	2.6639E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00001905	0.00E+00
153	ALL	547131.75	4192790.63	2.6180E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000018722	0.00E+00
154	ALL	547134.24	4192794.84	2.5726E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000018397	0.00E+00
155	ALL	547136.74	4192799.06	2.5255E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00001806	0.00E+00
156	ALL	547139.23	4192803.27	2.4843E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000017765	0.00E+00
157	ALL	547141.72	4192807.48	2.4486E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000017496	0.00E+00
158	ALL	547144.21	4192811.69	2.4189E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000017282	0.00E+00
159	ALL	547146.70	4192815.90	2.3942E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000017117	0.00E+00
160	ALL	547149.19	4192820.11	2.3745E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000016955	0.00E+00
161	ALL	547151.68	4192824.32	2.3598E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000016795	0.00E+00
162	ALL	547154.17	4192828.53	2.3451E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000016635	0.00E+00
163	ALL	547156.66	4192832.74	2.3304E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000016475	0.00E+00
164	ALL	547159.15	4192836.95	2.3157E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000016315	0.00E+00
165	ALL	547161.64	4192841.16	2.3010E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000016155	0.00E+00
166	ALL	547164.13	4192845.37	2.2863E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000015995	0.00E+00
167	ALL	547166.62	4192849.58	2.2716E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000015835	0.00E+00
168	ALL	547169.11	4192853.79	2.2569E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000015675	0.00E+00
169	ALL	547171.60	4192858.00	2.2422E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000015515	0.00E+00
170	ALL	547174.09	4192862.21	2.2275E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000015355	0.00E+00
171	ALL	547176.58	4192866.42	2.2128E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000015195	0.00E+00
172	ALL	547179.07	4192870.63	2.1981E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000015035	0.00E+00
173	ALL	547181.56	4192874.84	2.1834E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000014875	0.00E+00
174	ALL	547184.05	4192879.05	2.1687E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000014715	0.00E+00
175	ALL	547186.54	4192883.26	2.1540E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000014555	0.00E+00
176	ALL	547189.03	4192887.47	2.1393E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000014395	0.00E+00
177	ALL	547191.52	4192891.68	2.1246E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000014235	0.00E+00
178	ALL	547194.01	4192895.89	2.1099E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000014075	0.00E+00
179	ALL	547196.50	4192900.10	2.0952E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000013915	0.00E+00
180	ALL	547198.99	4192904.31	2.0805E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000013755	0.00E+00
181	ALL	547201.48	4192908.52	2.0658E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000013595	0.00E+00
182	ALL	547203.97	4192912.73	2.0511E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000013435	0.00E+00
183	ALL	547206.46	4192916.94	2.0364E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000013275	0.00E+00
184	ALL	547208.95	4192921.15	2.0217E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000013115	0.00E+00
185	ALL	547211.44	4192925.36	2.0070E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000012955	0.00E+00
186	ALL	547213.93	4192929.57	1.9923E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000012795	0.00E+00
187	ALL	547216.42	4192933.78	1.9776E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000012635	0.00E+00
188	ALL	547218.91	4192937.99	1.9629E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000012475	0.00E+00
189	ALL	547221.40	4192942.20	1.9482E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000012315	0.00E+00
190	ALL	547223.89	4192946.41	1.9335E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000012155	0.00E+00
191	ALL	547226.38	4192950.62	1.9188E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000011995	0.00E+00
192	ALL	547228.87	4192954.83	1.9041E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000011835	0.00E+00
193	ALL	547231.36	4192959.04	1.8894E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000011675	0.00E+00
194	ALL	547233.85	4192963.25	1.8747E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000011515	0.00E+00
195	ALL	547236.34	4192967.46	1.8600E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000011355	0.00E+00
196	ALL	547238.83	4192971.67	1.8453E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000011195	0.00E+00
197	ALL	547241.32	4192975.88	1.8306E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000011035	0.00E+00
198	ALL	547243.81	4192980.09	1.8159E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000010875	0.00E+00
199	ALL	547246.30	4192984.30	1.8012E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000010715	0.00E+00
200	ALL	547248.79	4192988.51	1.7865E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000010555	0.00E+00
201	ALL	547251.28	4192992.72	1.7718E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000010395	0.00E+00
202	ALL	547253.77	4192996.93	1.7571E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000010235	0.00E+00
203	ALL	547256.26	4193001.14	1.7424E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000010075	0.00E+00
204	ALL	547258.75	4193005.35	1.7277E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000009915	0.00E+00
205	ALL	547261.24	4193009.56	1.7130E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000009755	0.00E+00
206	ALL	547263.73	4193013.77	1.6983E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000009595	0.00E+00

207	ALL	546918.69	4192857.98	3.3002E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0000236	0.00E+00
208	ALL	546910.54	4192862.03	3.2622E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023328	0.00E+00
209	ALL	546905.90	4192863.83	3.2433E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023193	0.00E+00
210	ALL	546898.33	4192862.59	3.2414E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00002318	0.00E+00
211	ALL	546895.40	4192859.54	3.2587E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023303	0.00E+00
212	ALL	546890.43	4192852.42	3.3017E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023611	0.00E+00
213	ALL	546888.39	4192848.36	3.3278E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023797	0.00E+00
214	ALL	546886.35	4192844.29	3.3529E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000023976	0.00E+00
215	ALL	546884.32	4192840.22	3.3781E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000024157	0.00E+00
216	ALL	546882.29	4192836.16	3.4027E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000024333	0.00E+00
217	ALL	546884.34	4192829.72	3.4574E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000024724	0.00E+00
218	ALL	546888.42	4192827.34	3.4873E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000024938	0.00E+00
219	ALL	546892.51	4192824.97	3.5169E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00002515	0.00E+00
220	ALL	546896.60	4192822.60	3.5461E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000025359	0.00E+00
221	ALL	546900.68	4192820.22	3.5748E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000025563	0.00E+00
222	ALL	546904.77	4192817.85	3.6031E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000025766	0.00E+00
223	ALL	546908.86	4192815.48	3.6306E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000025963	0.00E+00
224	ALL	546912.94	4192813.10	3.6578E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000026157	0.00E+00
225	ALL	546917.03	4192810.73	3.6845E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000026348	0.00E+00
226	ALL	546921.12	4192808.36	3.7105E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000026534	0.00E+00
227	ALL	546925.20	4192805.98	3.7358E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000026715	0.00E+00
228	ALL	546929.29	4192803.61	3.7604E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000026891	0.00E+00
229	ALL	546933.38	4192801.24	3.7845E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000027063	0.00E+00
230	ALL	546937.46	4192798.86	3.8076E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000027228	0.00E+00
231	ALL	546941.55	4192796.49	3.8293E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000027383	0.00E+00
232	ALL	546945.64	4192794.12	3.8503E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000027533	0.00E+00
233	ALL	546949.72	4192791.74	3.8699E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000027674	0.00E+00
234	ALL	546957.51	4192786.66	3.9093E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000027955	0.00E+00
235	ALL	546961.20	4192783.95	3.9292E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000028098	0.00E+00
236	ALL	546964.90	4192781.24	3.9482E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000028234	0.00E+00
237	ALL	546968.59	4192778.53	3.9663E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000028363	0.00E+00
238	ALL	546972.29	4192775.81	3.9834E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000028486	0.00E+00
239	ALL	546975.98	4192773.10	3.9994E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0000286	0.00E+00
240	ALL	546979.68	4192770.39	4.0145E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000028708	0.00E+00
241	ALL	546983.37	4192767.68	4.0284E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000028807	0.00E+00
242	ALL	546987.06	4192764.97	4.0413E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0000289	0.00E+00
243	ALL	546994.45	4192759.02	4.0691E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029098	0.00E+00
244	ALL	546998.14	4192755.78	4.0839E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029204	0.00E+00
245	ALL	547001.83	4192752.54	4.0971E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029298	0.00E+00
246	ALL	547005.52	4192749.30	4.1096E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029388	0.00E+00
247	ALL	547009.22	4192746.06	4.1208E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029468	0.00E+00
248	ALL	547012.91	4192742.82	4.1311E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029541	0.00E+00
249	ALL	547016.60	4192739.58	4.1399E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029605	0.00E+00
250	ALL	547020.29	4192736.34	4.1475E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029659	0.00E+00
251	ALL	547027.22	4192729.69	4.1653E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029786	0.00E+00
252	ALL	547030.47	4192726.27	4.1760E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029863	0.00E+00
253	ALL	547033.71	4192722.86	4.1855E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029931	0.00E+00
254	ALL	547036.96	4192719.45	4.1944E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000029994	0.00E+00
255	ALL	547040.20	4192716.03	4.2027E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000030054	0.00E+00
256	ALL	547043.45	4192712.62	4.2101E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000030107	0.00E+00
257	ALL	547046.69	4192709.21	4.2169E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000030155	0.00E+00
258	ALL	547049.93	4192705.79	4.2228E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000030197	0.00E+00
259	ALL	547053.18	4192702.38	4.2281E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000030236	0.00E+00
260	ALL	547056.42	4192698.96	4.2331E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000030271	0.00E+00
261	ALL	547059.67	4192695.55	4.2372E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0000303	0.00E+00
262	ALL	547062.91	4192692.14	4.2406E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000030325	0.00E+00
263	ALL	547066.16	4192688.72	4.2436E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000030346	0.00E+00
264	ALL	546949.65	4192028.68	2.5465E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.001821	0.00E+00
265	ALL	546980.71	4192002.64	3.2925E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0023545	0.00E+00
266	ALL	547073.96	4191979.24	5.1746E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0037004	0.00E+00
267	ALL	547109.70	4191985.29	3.3409E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0023891	0.00E+00
268	ALL	546969.70	4192085.29	6.5489E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0046831	0.00E+00
269	ALL	546964.74	4192101.84	4.5503E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0032539	0.00E+00
270	ALL	546769.70	4191785.29	9.7963E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000070054	0.00E+00
271	ALL	546789.70	4191785.29	1.0949E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000078295	0.00E+00
272	ALL	546809.70	4191785.29	1.2282E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00008783	0.00E+00
273	ALL	546829.70	4191785.29	1.3851E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000099047	0.00E+00
274	ALL	546849.70	4191785.29	1.5457E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00011054	0.00E+00
275	ALL	546869.70	4191785.29	1.7151E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012265	0.00E+00
276	ALL	546889.70	4191785.29	1.8880E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013501	0.00E+00
277	ALL	546909.70	4191785.29	2.0191E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014439	0.00E+00
278	ALL	546929.70	4191785.29	2.1203E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00015162	0.00E+00
279	ALL	546949.70	4191785.29	2.1900E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00015661	0.00E+00
280	ALL	546969.70	4191785.29	2.2769E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00016282	0.00E+00
281	ALL	546989.70	4191785.29	2.3468E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00016782	0.00E+00



282	ALL	547009.70	4191785.29	2.4048E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017197	0.00E+00
283	ALL	547029.70	4191785.29	2.2508E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00016095	0.00E+00
284	ALL	547049.70	4191785.29	2.0058E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014344	0.00E+00
285	ALL	547069.70	4191785.29	1.7301E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012372	0.00E+00
286	ALL	547089.70	4191785.29	1.5568E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00011133	0.00E+00
287	ALL	547109.70	4191785.29	1.4656E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00010481	0.00E+00
288	ALL	547129.70	4191785.29	1.4722E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00010528	0.00E+00
289	ALL	547149.70	4191785.29	1.4949E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001069	0.00E+00
290	ALL	547169.70	4191785.29	1.5704E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001123	0.00E+00
291	ALL	547189.70	4191785.29	1.5678E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00011212	0.00E+00
292	ALL	547209.70	4191785.29	1.6727E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00011962	0.00E+00
293	ALL	547229.70	4191785.29	1.7196E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012297	0.00E+00
294	ALL	547249.70	4191785.29	1.7111E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012236	0.00E+00
295	ALL	547269.70	4191785.29	1.7025E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012175	0.00E+00
296	ALL	547289.70	4191785.29	1.6889E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012077	0.00E+00
297	ALL	547309.70	4191785.29	1.6682E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001193	0.00E+00
298	ALL	546769.70	4191805.29	1.0820E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000077377	0.00E+00
299	ALL	547189.70	4191805.29	1.2211E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000087318	0.00E+00
300	ALL	546809.70	4191805.29	1.3731E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000098194	0.00E+00
301	ALL	546829.70	4191805.29	1.5316E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00010953	0.00E+00
302	ALL	546849.70	4191805.29	1.7233E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012323	0.00E+00
303	ALL	546869.70	4191805.29	1.9407E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013878	0.00E+00
304	ALL	546889.70	4191805.29	2.1753E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00015556	0.00E+00
305	ALL	546909.70	4191805.29	2.3591E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001687	0.00E+00
306	ALL	546929.70	4191805.29	2.5053E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017915	0.00E+00
307	ALL	546949.70	4191805.29	2.6043E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00018624	0.00E+00
308	ALL	546969.70	4191805.29	2.7535E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00019691	0.00E+00
309	ALL	546989.70	4191805.29	2.8610E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00020459	0.00E+00
310	ALL	547009.70	4191805.29	2.8747E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00020557	0.00E+00
311	ALL	547029.70	4191805.29	2.7330E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00019544	0.00E+00
312	ALL	547049.70	4191805.29	2.4824E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017751	0.00E+00
313	ALL	547069.70	4191805.29	2.1679E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00015503	0.00E+00
314	ALL	547089.70	4191805.29	1.9409E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001388	0.00E+00
315	ALL	547109.70	4191805.29	1.8094E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012939	0.00E+00
316	ALL	547129.70	4191805.29	1.8139E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012971	0.00E+00
317	ALL	547149.70	4191805.29	1.8728E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013393	0.00E+00
318	ALL	547169.70	4191805.29	1.9647E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001405	0.00E+00
319	ALL	547189.70	4191805.29	1.9700E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014087	0.00E+00
320	ALL	547209.70	4191805.29	1.9474E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013926	0.00E+00
321	ALL	547229.70	4191805.29	2.0119E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014387	0.00E+00
322	ALL	547249.70	4191805.29	2.0553E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014697	0.00E+00
323	ALL	547269.70	4191805.29	2.0198E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014444	0.00E+00
324	ALL	547289.70	4191805.29	1.9798E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014158	0.00E+00
325	ALL	547309.70	4191805.29	1.9347E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013835	0.00E+00
326	ALL	546769.70	4191825.29	1.2193E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000087195	0.00E+00
327	ALL	546789.70	4191825.29	1.3624E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000097425	0.00E+00
328	ALL	546809.70	4191825.29	1.5176E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00010853	0.00E+00
329	ALL	546829.70	4191825.29	1.7029E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012178	0.00E+00
330	ALL	546849.70	4191825.29	1.9300E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013802	0.00E+00
331	ALL	546869.70	4191825.29	2.2005E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00015736	0.00E+00
332	ALL	546889.70	4191825.29	2.5218E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00018034	0.00E+00
333	ALL	546909.70	4191825.29	2.7970E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00020001	0.00E+00
334	ALL	546929.70	4191825.29	3.0358E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00021709	0.00E+00
335	ALL	546949.70	4191825.29	3.2178E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00023011	0.00E+00
336	ALL	546969.70	4191825.29	3.4105E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00024388	0.00E+00
337	ALL	546989.70	4191825.29	3.5237E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00025198	0.00E+00
338	ALL	547009.70	4191825.29	3.5081E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00025086	0.00E+00
339	ALL	547029.70	4191825.29	3.3662E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00024072	0.00E+00
340	ALL	547049.70	4191825.29	3.0983E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00022156	0.00E+00
341	ALL	547069.70	4191825.29	2.7528E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00019686	0.00E+00
342	ALL	547089.70	4191825.29	2.4599E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017591	0.00E+00
343	ALL	547109.70	4191825.29	2.2856E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00016344	0.00E+00
344	ALL	547129.70	4191825.29	2.3473E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00016786	0.00E+00
345	ALL	547149.70	4191825.29	2.4480E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017506	0.00E+00
346	ALL	547155.59	4191819.02	2.2744E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00016264	0.00E+00
347	ALL	547209.70	4191825.29	2.4967E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017854	0.00E+00
348	ALL	547229.70	4191825.29	2.4308E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017383	0.00E+00
349	ALL	547249.70	4191825.29	2.4264E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017351	0.00E+00
350	ALL	547269.70	4191825.29	2.4044E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017194	0.00E+00
351	ALL	547289.70	4191825.29	2.3181E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00016577	0.00E+00
352	ALL	547309.70	4191825.29	2.2363E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00015992	0.00E+00
353	ALL	546769.70	4191845.29	1.3133E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000093916	0.00E+00
354	ALL	546789.70	4191845.29	1.4873E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00010636	0.00E+00
355	ALL	546809.70	4191845.29	1.6841E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012043	0.00E+00
356	ALL	546829.70	4191845.29	1.9085E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013648	0.00E+00

357	ALL	546849.70	4191845.29	2.1815E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000156	0.00E+00
358	ALL	546869.70	4191845.29	2.5073E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0001793	0.00E+00
359	ALL	546889.70	4191845.29	2.8981E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00020725	0.00E+00
360	ALL	546909.70	4191845.29	3.3198E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0002374	0.00E+00
361	ALL	546929.70	4191845.29	3.7050E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00026495	0.00E+00
362	ALL	546949.70	4191845.29	3.9406E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00028179	0.00E+00
363	ALL	546969.70	4191845.29	4.1821E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00029906	0.00E+00
364	ALL	546989.70	4191845.29	4.3416E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00031047	0.00E+00
365	ALL	547009.70	4191845.29	4.3718E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00031263	0.00E+00
366	ALL	547029.70	4191845.29	4.2315E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0003026	0.00E+00
367	ALL	547049.70	4191845.29	3.9161E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00028004	0.00E+00
368	ALL	547069.70	4191845.29	3.5140E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00025128	0.00E+00
369	ALL	547089.70	4191845.29	3.1595E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00022594	0.00E+00
370	ALL	547109.70	4191845.29	2.9470E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00021074	0.00E+00
371	ALL	547129.70	4191845.29	3.0264E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00021642	0.00E+00
372	ALL	547144.77	4191836.77	2.8633E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00020476	0.00E+00
373	ALL	547229.70	4191845.29	3.1537E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00022553	0.00E+00
374	ALL	547249.70	4191845.29	2.9728E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00021259	0.00E+00
375	ALL	547269.70	4191845.29	2.8695E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00020252	0.00E+00
376	ALL	547289.70	4191845.29	2.7207E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00019456	0.00E+00
377	ALL	547309.70	4191845.29	2.5751E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00018415	0.00E+00
378	ALL	546769.70	4191865.29	1.4064E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00010057	0.00E+00
379	ALL	546789.70	4191865.29	1.6158E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00011555	0.00E+00
380	ALL	546809.70	4191865.29	1.8614E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013311	0.00E+00
381	ALL	546829.70	4191865.29	2.1346E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00015265	0.00E+00
382	ALL	546849.70	4191865.29	2.4614E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017601	0.00E+00
383	ALL	546869.70	4191865.29	2.8597E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0002045	0.00E+00
384	ALL	546889.70	4191865.29	3.3546E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00023989	0.00E+00
385	ALL	546909.70	4191865.29	3.9261E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00028076	0.00E+00
386	ALL	546929.70	4191865.29	4.4870E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00032087	0.00E+00
387	ALL	546949.70	4191865.29	4.8638E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00034781	0.00E+00
388	ALL	546969.70	4191865.29	5.2264E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00037374	0.00E+00
389	ALL	546989.70	4191865.29	5.4854E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00039227	0.00E+00
390	ALL	547009.70	4191865.29	5.5921E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0003999	0.00E+00
391	ALL	547029.70	4191865.29	5.4489E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00038966	0.00E+00
392	ALL	547049.70	4191865.29	5.0356E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0003601	0.00E+00
393	ALL	547069.70	4191865.29	4.5693E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00032675	0.00E+00
394	ALL	547095.90	4191865.60	4.0202E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00028748	0.00E+00
395	ALL	547109.70	4191865.29	3.8959E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0002786	0.00E+00
396	ALL	547123.50	4191857.23	3.5377E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00025299	0.00E+00
397	ALL	547149.70	4191865.29	3.9890E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00028526	0.00E+00
398	ALL	547169.70	4191865.29	3.9388E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00028167	0.00E+00
399	ALL	547249.70	4191865.29	3.7241E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00026631	0.00E+00
400	ALL	547269.70	4191865.29	3.4287E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00024519	0.00E+00
401	ALL	547289.70	4191865.29	3.1852E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00022778	0.00E+00
402	ALL	547309.70	4191865.29	2.9581E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00021154	0.00E+00
403	ALL	546769.70	4191885.29	1.5018E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00010739	0.00E+00
404	ALL	546789.70	4191885.29	1.7446E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012476	0.00E+00
405	ALL	546809.70	4191885.29	2.0380E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014574	0.00E+00
406	ALL	546829.70	4191885.29	2.3748E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00016982	0.00E+00
407	ALL	546849.70	4191885.29	2.7659E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00019779	0.00E+00
408	ALL	546869.70	4191885.29	3.2555E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0002328	0.00E+00
409	ALL	546889.70	4191885.29	3.9179E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00028017	0.00E+00
410	ALL	546909.70	4191885.29	4.6181E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00033024	0.00E+00
411	ALL	546929.70	4191885.29	5.3530E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00038279	0.00E+00
412	ALL	546949.70	4191885.29	6.0601E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00043336	0.00E+00
413	ALL	546969.70	4191885.29	6.6986E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00047902	0.00E+00
414	ALL	546989.70	4191885.29	7.1735E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00051298	0.00E+00
415	ALL	547009.70	4191885.29	7.3833E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00052798	0.00E+00
416	ALL	547029.70	4191885.29	7.2113E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00051569	0.00E+00
417	ALL	547049.70	4191885.29	6.6538E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00047582	0.00E+00
418	ALL	547095.43	4191877.54	4.6811E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00033475	0.00E+00
419	ALL	547089.70	4191885.29	5.3050E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00037936	0.00E+00
420	ALL	547109.70	4191885.29	5.0494E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00036108	0.00E+00
421	ALL	547129.70	4191885.29	5.0698E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00036254	0.00E+00
422	ALL	547149.70	4191885.29	4.9133E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00035135	0.00E+00
423	ALL	547169.70	4191885.29	4.7716E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00034122	0.00E+00
424	ALL	547189.70	4191885.29	4.6746E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00033428	0.00E+00
425	ALL	547209.70	4191885.29	4.5848E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00032786	0.00E+00
426	ALL	547289.70	4191885.29	3.7788E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00027022	0.00E+00
427	ALL	547309.70	4191885.29	3.4089E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00024377	0.00E+00
428	ALL	546769.70	4191905.29	1.6016E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00011453	0.00E+00
429	ALL	546789.70	4191905.29	1.8690E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00013366	0.00E+00
430	ALL	546809.70	4191905.29	2.2112E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00015812	0.00E+00
431	ALL	546829.70	4191905.29	2.6507E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00018955	0.00E+00

432	ALL	546849.70	4191905.29	3.1378E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00022439	0.00E+00
433	ALL	546869.70	4191905.29	3.7364E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00026719	0.00E+00
434	ALL	546889.70	4191905.29	4.5240E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00032351	0.00E+00
435	ALL	546909.70	4191905.29	5.4272E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0003881	0.00E+00
436	ALL	546929.70	4191905.29	6.4536E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0004615	0.00E+00
437	ALL	546949.70	4191905.29	7.5522E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00054006	0.00E+00
438	ALL	546969.70	4191905.29	8.5954E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00061466	0.00E+00
439	ALL	546989.70	4191905.29	9.4386E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00067496	0.00E+00
440	ALL	547009.70	4191905.29	9.8658E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00070551	0.00E+00
441	ALL	547029.70	4191905.29	9.7290E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00069573	0.00E+00
442	ALL	547069.70	4191905.29	7.9093E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0005656	0.00E+00
443	ALL	547089.70	4191905.29	7.2578E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00051901	0.00E+00
444	ALL	547129.70	4191905.29	7.0637E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00050513	0.00E+00
445	ALL	547149.70	4191905.29	6.6184E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00047329	0.00E+00
446	ALL	547169.70	4191905.29	6.2426E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00044641	0.00E+00
447	ALL	547189.70	4191905.29	5.8014E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00041486	0.00E+00
448	ALL	547209.70	4191905.29	5.4271E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00038809	0.00E+00
449	ALL	546769.70	4191925.29	1.7098E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00012227	0.00E+00
450	ALL	546789.70	4191925.29	2.0088E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00014365	0.00E+00
451	ALL	546809.70	4191925.29	2.3994E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00017159	0.00E+00
452	ALL	546829.70	4191925.29	2.9227E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.000209	0.00E+00
453	ALL	546849.70	4191925.29	3.5198E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.0002517	0.00E+00
454	ALL	546869.70	4191925.29	4.2570E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00030442	0.00E+00
455	ALL	546889.70	4191925.29	5.2291E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00037394	0.00E+00
456	ALL	546909.70	4191925.29	6.4146E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00045871	0.00E+00
457	ALL	546929.70	4191925.29	7.8259E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00055964	0.00E+00
458	ALL	546949.70	4191925.29	9.4101E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00067292	0.00E+00
459	ALL	546969.70	4191925.29	1.1059E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00079082	0.00E+00
460	ALL	546989.70	4191925.29	1.2508E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00089447	0.00E+00
461	ALL	547009.70	4191925.29	1.3489E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00096458	0.00E+00
462	ALL	547049.70	4191925.29	1.2766E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00091294	0.00E+00
463	ALL	547069.70	4191925.29	1.1530E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	0.00082454	0.00E+00
464	ALL	547109.70	4191925.29	1.0355E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	7.4050E-04	0.00E+00
465	ALL	547126.28	4191941.85	1.2475E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	8.9211E-04	0.00E+00
466	ALL	547149.70	4191925.29	8.5735E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.1309E-04	0.00E+00
467	ALL	547169.70	4191925.29	7.8518E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.6149E-04	0.00E+00
468	ALL	547193.32	4191938.61	7.9436E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.6806E-04	0.00E+00
469	ALL	547209.70	4191925.29	6.5046E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6515E-04	0.00E+00
470	ALL	547229.70	4191925.29	5.9055E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2230E-04	0.00E+00
471	ALL	547249.70	4191925.29	5.3899E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8543E-04	0.00E+00
472	ALL	547269.70	4191925.29	4.9894E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5679E-04	0.00E+00
473	ALL	547289.70	4191925.29	4.7934E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4278E-04	0.00E+00
474	ALL	547309.70	4191925.29	4.2436E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0346E-04	0.00E+00
475	ALL	546769.70	4191945.29	1.8304E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3090E-04	0.00E+00
476	ALL	546789.70	4191945.29	2.1692E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5512E-04	0.00E+00
477	ALL	546809.70	4191945.29	2.6078E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8649E-04	0.00E+00
478	ALL	546829.70	4191945.29	3.1734E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2693E-04	0.00E+00
479	ALL	546849.70	4191945.29	3.8691E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7668E-04	0.00E+00
480	ALL	546869.70	4191945.29	4.7808E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4188E-04	0.00E+00
481	ALL	546889.70	4191945.29	6.0277E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3105E-04	0.00E+00
482	ALL	546909.70	4191945.29	7.6065E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.4394E-04	0.00E+00
483	ALL	546929.70	4191945.29	9.5636E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.8390E-04	0.00E+00
484	ALL	546949.70	4191945.29	1.1704E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	8.3696E-04	0.00E+00
485	ALL	546969.70	4191945.29	1.4065E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0058E-03	0.00E+00
486	ALL	546989.70	4191945.29	1.6551E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1836E-03	0.00E+00
487	ALL	547029.70	4191945.29	2.0286E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4506E-03	0.00E+00
488	ALL	547049.70	4191945.29	1.9972E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4282E-03	0.00E+00
489	ALL	547089.70	4191945.29	1.5971E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1421E-03	0.00E+00
490	ALL	547109.70	4191945.29	1.4852E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0621E-03	0.00E+00
491	ALL	547249.70	4191945.29	5.9418E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2490E-04	0.00E+00
492	ALL	547269.70	4191945.29	5.3591E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8323E-04	0.00E+00
493	ALL	547289.70	4191945.29	4.9400E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5326E-04	0.00E+00
494	ALL	547309.70	4191945.29	4.5935E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2849E-04	0.00E+00
495	ALL	546769.70	4191965.29	1.9645E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4048E-04	0.00E+00
496	ALL	546789.70	4191965.29	2.3264E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6636E-04	0.00E+00
497	ALL	546809.70	4191965.29	2.7975E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0005E-04	0.00E+00
498	ALL	546829.70	4191965.29	3.4028E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4333E-04	0.00E+00
499	ALL	546849.70	4191965.29	4.2452E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0357E-04	0.00E+00
500	ALL	546869.70	4191965.29	5.3809E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8479E-04	0.00E+00
501	ALL	546889.70	4191965.29	6.8724E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.9145E-04	0.00E+00
502	ALL	546909.70	4191965.29	8.8036E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.2955E-04	0.00E+00
503	ALL	546929.70	4191965.29	1.1206E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	8.0137E-04	0.00E+00
504	ALL	546949.70	4191965.29	1.4122E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0099E-03	0.00E+00
505	ALL	546969.70	4191965.29	1.7651E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2622E-03	0.00E+00
506	ALL	547089.70	4191965.29	2.7526E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9684E-03	0.00E+00

507	ALL	547109.70	4191965.29	2.2076E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5787E-03	0.00E+00
508	ALL	547249.70	4191965.29	6.4902E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6412E-04	0.00E+00
509	ALL	547269.70	4191965.29	5.7451E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1084E-04	0.00E+00
510	ALL	547289.70	4191965.29	5.1983E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7174E-04	0.00E+00
511	ALL	547309.70	4191965.29	4.6650E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3360E-04	0.00E+00
512	ALL	546769.70	4191985.29	2.0956E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4986E-04	0.00E+00
513	ALL	546789.70	4191985.29	2.4867E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7782E-04	0.00E+00
514	ALL	546809.70	4191985.29	2.9993E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1448E-04	0.00E+00
515	ALL	546829.70	4191985.29	3.6827E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6335E-04	0.00E+00
516	ALL	546849.70	4191985.29	4.6328E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3130E-04	0.00E+00
517	ALL	546869.70	4191985.29	5.9830E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2785E-04	0.00E+00
518	ALL	546889.70	4191985.29	7.6935E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.5017E-04	0.00E+00
519	ALL	546909.70	4191985.29	9.9694E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.1292E-04	0.00E+00
520	ALL	546929.70	4191985.29	1.3022E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	9.3123E-04	0.00E+00
521	ALL	546949.70	4191985.29	1.7057E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2198E-03	0.00E+00
522	ALL	547229.70	4191985.29	8.0885E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.7841E-04	0.00E+00
523	ALL	547249.70	4191985.29	6.9567E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.9748E-04	0.00E+00
524	ALL	547269.70	4191985.29	6.0584E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3324E-04	0.00E+00
525	ALL	547289.70	4191985.29	5.3873E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8525E-04	0.00E+00
526	ALL	547309.70	4191985.29	4.7608E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4045E-04	0.00E+00
527	ALL	546769.70	4192005.29	2.2192E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5869E-04	0.00E+00
528	ALL	546789.70	4192005.29	2.6480E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8936E-04	0.00E+00
529	ALL	546809.70	4192005.29	3.2211E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3035E-04	0.00E+00
530	ALL	546829.70	4192005.29	4.0644E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9065E-04	0.00E+00
531	ALL	546849.70	4192005.29	5.0805E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6331E-04	0.00E+00
532	ALL	546869.70	4192005.29	6.4523E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6141E-04	0.00E+00
533	ALL	546889.70	4192005.29	8.3459E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9682E-04	0.00E+00
534	ALL	546909.70	4192005.29	1.1040E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	7.8946E-04	0.00E+00
535	ALL	546929.70	4192005.29	1.4947E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0689E-03	0.00E+00
536	ALL	546899.38	4192059.62	1.0922E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	7.8103E-04	0.00E+00
537	ALL	547209.70	4192005.29	1.0207E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	7.2989E-04	0.00E+00
538	ALL	547229.70	4192005.29	8.5428E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.1090E-04	0.00E+00
539	ALL	547249.70	4192005.29	7.2783E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.2048E-04	0.00E+00
540	ALL	547269.70	4192005.29	6.2534E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4718E-04	0.00E+00
541	ALL	547289.70	4192005.29	5.4371E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8881E-04	0.00E+00
542	ALL	547309.70	4192005.29	4.7663E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4084E-04	0.00E+00
543	ALL	546769.70	4192025.29	2.3575E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6858E-04	0.00E+00
544	ALL	546789.70	4192025.29	2.8070E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0073E-04	0.00E+00
545	ALL	546809.70	4192025.29	3.3959E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4285E-04	0.00E+00
546	ALL	546829.70	4192025.29	4.2290E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0242E-04	0.00E+00
547	ALL	546849.70	4192025.29	5.2863E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7803E-04	0.00E+00
548	ALL	546869.70	4192025.29	6.7558E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.8311E-04	0.00E+00
549	ALL	546889.70	4192025.29	8.8592E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.3353E-04	0.00E+00
550	ALL	546904.23	4192075.61	1.1826E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	8.4571E-04	0.00E+00
551	ALL	547209.70	4192025.29	1.0549E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	7.5435E-04	0.00E+00
552	ALL	547229.70	4192025.29	8.7426E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.2519E-04	0.00E+00
553	ALL	547249.70	4192025.29	7.3735E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.2728E-04	0.00E+00
554	ALL	547269.70	4192025.29	6.2903E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4982E-04	0.00E+00
555	ALL	547289.70	4192025.29	5.4289E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8822E-04	0.00E+00
556	ALL	547302.25	4192015.97	5.0005E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5759E-04	0.00E+00
557	ALL	546769.70	4192045.29	2.4766E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7710E-04	0.00E+00
558	ALL	546789.70	4192045.29	2.9673E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1219E-04	0.00E+00
559	ALL	546809.70	4192045.29	3.5758E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5571E-04	0.00E+00
560	ALL	546829.70	4192045.29	4.3627E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1198E-04	0.00E+00
561	ALL	546849.70	4192045.29	5.4309E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8836E-04	0.00E+00
562	ALL	546869.70	4192045.29	6.9629E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.9792E-04	0.00E+00
563	ALL	547189.70	4192045.29	1.2999E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	9.2957E-04	0.00E+00
564	ALL	547209.70	4192045.29	1.0506E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	7.5131E-04	0.00E+00
565	ALL	547229.70	4192045.29	8.6680E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.1985E-04	0.00E+00
566	ALL	547249.70	4192045.29	7.2696E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1985E-04	0.00E+00
567	ALL	547269.70	4192045.29	6.1763E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4167E-04	0.00E+00
568	ALL	547289.70	4192045.29	5.3124E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7990E-04	0.00E+00
569	ALL	546769.70	4192065.29	2.5933E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8545E-04	0.00E+00
570	ALL	546789.70	4192065.29	3.1093E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2235E-04	0.00E+00
571	ALL	546809.70	4192065.29	3.7467E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6793E-04	0.00E+00
572	ALL	546829.70	4192065.29	4.4991E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2173E-04	0.00E+00
573	ALL	547169.70	4192065.29	1.5802E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1300E-03	0.00E+00
574	ALL	547189.70	4192065.29	1.2488E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	8.9300E-04	0.00E+00
575	ALL	547209.70	4192065.29	1.0103E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	7.2248E-04	0.00E+00
576	ALL	547229.70	4192065.29	8.3346E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9601E-04	0.00E+00
577	ALL	547249.70	4192065.29	6.9870E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.9964E-04	0.00E+00
578	ALL	547269.70	4192065.29	5.9369E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2455E-04	0.00E+00
579	ALL	546769.70	4192085.29	2.6684E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9082E-04	0.00E+00
580	ALL	546789.70	4192085.29	3.2768E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3433E-04	0.00E+00
581	ALL	546829.70	4192085.29	4.7234E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3777E-04	0.00E+00

582	ALL	546849.70	4192085.29	5.5212E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9482E-04	0.00E+00
583	ALL	546949.70	4192085.29	3.1597E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2595E-03	0.00E+00
584	ALL	547169.70	4192085.29	1.4576E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0423E-03	0.00E+00
585	ALL	547189.70	4192085.29	1.1554E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	8.2625E-04	0.00E+00
586	ALL	547209.70	4192085.29	9.3879E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.7134E-04	0.00E+00
587	ALL	547229.70	4192085.29	7.7752E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.5601E-04	0.00E+00
588	ALL	547249.70	4192085.29	6.5422E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6783E-04	0.00E+00
589	ALL	546769.70	4192105.29	2.7398E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9593E-04	0.00E+00
590	ALL	546789.70	4192105.29	3.2331E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3120E-04	0.00E+00
591	ALL	546809.70	4192105.29	4.0709E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9111E-04	0.00E+00
592	ALL	546849.70	4192105.29	5.5317E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9557E-04	0.00E+00
593	ALL	546909.70	4192105.29	1.1425E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	8.1703E-04	0.00E+00
594	ALL	546926.91	4192096.92	1.6576E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1854E-03	0.00E+00
595	ALL	546949.70	4192105.29	2.6397E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8877E-03	0.00E+00
596	ALL	547169.70	4192105.29	1.3015E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	9.3072E-04	0.00E+00
597	ALL	547189.70	4192105.29	1.0380E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	7.4230E-04	0.00E+00
598	ALL	547209.70	4192105.29	8.4832E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.0664E-04	0.00E+00
599	ALL	547229.70	4192105.29	7.0632E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0509E-04	0.00E+00
600	ALL	546769.70	4192125.29	2.7229E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9472E-04	0.00E+00
601	ALL	546789.70	4192125.29	3.1080E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2225E-04	0.00E+00
602	ALL	546809.70	4192125.29	3.5200E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5172E-04	0.00E+00
603	ALL	546829.70	4192125.29	4.3214E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0902E-04	0.00E+00
604	ALL	546869.70	4192125.29	6.1181E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3751E-04	0.00E+00
605	ALL	546889.70	4192125.29	7.4991E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3626E-04	0.00E+00
606	ALL	546909.70	4192125.29	9.8073E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.0132E-04	0.00E+00
607	ALL	547169.70	4192125.29	1.1226E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	8.0277E-04	0.00E+00
608	ALL	547189.70	4192125.29	9.0387E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.4636E-04	0.00E+00
609	ALL	547209.70	4192125.29	7.4476E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3258E-04	0.00E+00
610	ALL	547229.70	4192125.29	6.2480E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4680E-04	0.00E+00
611	ALL	546769.70	4192145.29	2.6112E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8673E-04	0.00E+00
612	ALL	546789.70	4192145.29	2.8071E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0074E-04	0.00E+00
613	ALL	546809.70	4192145.29	3.1260E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2354E-04	0.00E+00
614	ALL	546829.70	4192145.29	3.6761E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6288E-04	0.00E+00
615	ALL	546849.70	4192145.29	4.3833E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1345E-04	0.00E+00
616	ALL	546889.70	4192145.29	6.5040E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6510E-04	0.00E+00
617	ALL	546904.98	4192152.59	7.3857E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.2816E-04	0.00E+00
618	ALL	547149.70	4192145.29	1.1760E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	8.4094E-04	0.00E+00
619	ALL	547169.70	4192145.29	9.3437E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.6817E-04	0.00E+00
620	ALL	547189.70	4192145.29	7.6388E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.4626E-04	0.00E+00
621	ALL	547209.70	4192145.29	6.3825E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5642E-04	0.00E+00
622	ALL	547309.70	4192145.29	3.1421E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2469E-04	0.00E+00
623	ALL	546769.70	4192165.29	2.3391E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6727E-04	0.00E+00
624	ALL	546789.70	4192165.29	2.4796E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7732E-04	0.00E+00
625	ALL	546809.70	4192165.29	2.7985E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0013E-04	0.00E+00
626	ALL	546829.70	4192165.29	3.2503E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3243E-04	0.00E+00
627	ALL	546849.70	4192165.29	3.8333E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7412E-04	0.00E+00
628	ALL	546889.70	4192165.29	5.6295E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0257E-04	0.00E+00
629	ALL	546909.70	4192165.29	7.0410E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0350E-04	0.00E+00
630	ALL	547149.70	4192165.29	9.2084E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.5850E-04	0.00E+00
631	ALL	547169.70	4192165.29	7.5296E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3845E-04	0.00E+00
632	ALL	547189.70	4192165.29	6.2923E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4997E-04	0.00E+00
633	ALL	547209.70	4192165.29	5.3460E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8229E-04	0.00E+00
634	ALL	547309.70	4192165.29	2.7734E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9833E-04	0.00E+00
635	ALL	546769.70	4192185.29	2.0283E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4504E-04	0.00E+00
636	ALL	546789.70	4192185.29	2.2226E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5894E-04	0.00E+00
637	ALL	546809.70	4192185.29	2.5151E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7986E-04	0.00E+00
638	ALL	546829.70	4192185.29	2.9031E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0760E-04	0.00E+00
639	ALL	546849.70	4192185.29	3.3997E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4312E-04	0.00E+00
640	ALL	546869.70	4192185.29	4.0409E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8897E-04	0.00E+00
641	ALL	546909.70	4192185.29	5.9634E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2645E-04	0.00E+00
642	ALL	546929.70	4192185.29	7.3535E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.2585E-04	0.00E+00
643	ALL	547129.70	4192185.29	8.3226E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9515E-04	0.00E+00
644	ALL	547149.70	4192185.29	6.9868E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.9963E-04	0.00E+00
645	ALL	547169.70	4192185.29	5.9218E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2347E-04	0.00E+00
646	ALL	547189.70	4192185.29	5.0833E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6351E-04	0.00E+00
647	ALL	547209.70	4192185.29	4.3980E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1451E-04	0.00E+00
648	ALL	547309.70	4192185.29	2.4212E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7314E-04	0.00E+00
649	ALL	546769.70	4192205.29	1.8095E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2940E-04	0.00E+00
650	ALL	546789.70	4192205.29	2.0083E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4361E-04	0.00E+00
651	ALL	546849.70	4192205.29	3.0362E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1712E-04	0.00E+00
652	ALL	546869.70	4192205.29	3.5759E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5572E-04	0.00E+00
653	ALL	546889.70	4192205.29	4.2522E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0408E-04	0.00E+00
654	ALL	546909.70	4192205.29	5.0887E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6390E-04	0.00E+00
655	ALL	546929.70	4192205.29	6.0975E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3604E-04	0.00E+00
656	ALL	546949.70	4192205.29	7.2522E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1861E-04	0.00E+00

657	ALL	547109.70	4192205.29	6.6716E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7709E-04	0.00E+00
658	ALL	547129.70	4192205.29	5.9549E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2584E-04	0.00E+00
659	ALL	547149.70	4192205.29	5.2441E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7501E-04	0.00E+00
660	ALL	547169.70	4192205.29	4.6030E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2916E-04	0.00E+00
661	ALL	547189.70	4192205.29	4.0527E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8981E-04	0.00E+00
662	ALL	547289.70	4192205.29	2.3098E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6518E-04	0.00E+00
663	ALL	547309.70	4192205.29	2.0983E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5005E-04	0.00E+00
664	ALL	546769.70	4192225.29	1.6412E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1736E-04	0.00E+00
665	ALL	546789.70	4192225.29	1.8308E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3092E-04	0.00E+00
666	ALL	546869.70	4192225.29	3.1805E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2744E-04	0.00E+00
667	ALL	546889.70	4192225.29	3.7245E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6634E-04	0.00E+00
668	ALL	546929.70	4192225.29	5.1039E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6498E-04	0.00E+00
669	ALL	546949.70	4192225.29	5.8767E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2025E-04	0.00E+00
670	ALL	547089.70	4192225.29	5.2471E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7522E-04	0.00E+00
671	ALL	547109.70	4192225.29	4.7738E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4138E-04	0.00E+00
672	ALL	547129.70	4192225.29	4.3613E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1188E-04	0.00E+00
673	ALL	547149.70	4192225.29	3.9615E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8329E-04	0.00E+00
674	ALL	547169.70	4192225.29	3.5779E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5586E-04	0.00E+00
675	ALL	547289.70	4192225.29	1.9742E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4117E-04	0.00E+00
676	ALL	547309.70	4192225.29	1.8093E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2938E-04	0.00E+00
677	ALL	546769.70	4192245.29	1.5083E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0786E-04	0.00E+00
678	ALL	546789.70	4192245.29	1.6850E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2049E-04	0.00E+00
679	ALL	546881.79	4192237.85	3.2385E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3159E-04	0.00E+00
680	ALL	546889.70	4192245.29	3.2790E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3449E-04	0.00E+00
681	ALL	546909.70	4192245.29	3.7733E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6983E-04	0.00E+00
682	ALL	546936.21	4192243.12	4.5683E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2668E-04	0.00E+00
683	ALL	546944.43	4192251.17	4.4610E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1901E-04	0.00E+00
684	ALL	547069.70	4192245.29	4.5259E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2365E-04	0.00E+00
685	ALL	547089.70	4192245.29	3.9994E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8600E-04	0.00E+00
686	ALL	547109.70	4192245.29	3.6171E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5866E-04	0.00E+00
687	ALL	547129.70	4192245.29	3.3224E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3759E-04	0.00E+00
688	ALL	547149.70	4192245.29	3.0624E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1900E-04	0.00E+00
689	ALL	547269.70	4192245.29	1.8294E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3082E-04	0.00E+00
690	ALL	547289.70	4192245.29	1.6864E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2059E-04	0.00E+00
691	ALL	547309.70	4192245.29	1.5574E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1137E-04	0.00E+00
692	ALL	546769.70	4192265.29	1.3980E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.9973E-05	0.00E+00
693	ALL	546684.52	4192120.08	1.3437E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.6091E-05	0.00E+00
694	ALL	546895.59	4192258.78	3.1291E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2376E-04	0.00E+00
695	ALL	546909.70	4192265.29	3.2663E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3357E-04	0.00E+00
696	ALL	546925.67	4192261.26	3.6961E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6431E-04	0.00E+00
697	ALL	547029.70	4192265.29	4.4502E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1824E-04	0.00E+00
698	ALL	547049.70	4192265.29	4.0603E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9035E-04	0.00E+00
699	ALL	547069.70	4192265.29	3.5992E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5738E-04	0.00E+00
700	ALL	547089.70	4192265.29	3.1848E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2775E-04	0.00E+00
701	ALL	547109.70	4192265.29	2.8704E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0526E-04	0.00E+00
702	ALL	547129.70	4192265.29	2.6340E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8836E-04	0.00E+00
703	ALL	547269.70	4192265.29	1.5536E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1110E-04	0.00E+00
704	ALL	547289.70	4192265.29	1.4439E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0325E-04	0.00E+00
705	ALL	547309.70	4192265.29	1.3432E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.6050E-05	0.00E+00
706	ALL	547009.70	4192285.29	3.7926E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7121E-04	0.00E+00
707	ALL	547029.70	4192285.29	3.6208E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5892E-04	0.00E+00
708	ALL	547049.70	4192285.29	3.3123E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3686E-04	0.00E+00
709	ALL	547069.70	4192285.29	2.9505E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1099E-04	0.00E+00
710	ALL	547089.70	4192285.29	2.6196E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8733E-04	0.00E+00
711	ALL	547109.70	4192285.29	2.3576E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6859E-04	0.00E+00
712	ALL	547249.70	4192285.29	1.4220E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0169E-04	0.00E+00
713	ALL	547269.70	4192285.29	1.3297E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.5084E-05	0.00E+00
714	ALL	547289.70	4192285.29	1.2438E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.8947E-05	0.00E+00
715	ALL	547309.70	4192285.29	1.1643E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.3261E-05	0.00E+00
716	ALL	546989.70	4192305.29	3.1856E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2781E-04	0.00E+00
717	ALL	547009.70	4192305.29	3.1556E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2566E-04	0.00E+00
718	ALL	547049.70	4192305.29	2.7602E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9738E-04	0.00E+00
719	ALL	547069.70	4192305.29	2.4746E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7696E-04	0.00E+00
720	ALL	547089.70	4192305.29	2.2068E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5781E-04	0.00E+00
721	ALL	547229.70	4192305.29	1.2993E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.2915E-05	0.00E+00
722	ALL	547249.70	4192305.29	1.2226E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.7431E-05	0.00E+00
723	ALL	547269.70	4192305.29	1.1492E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.2181E-05	0.00E+00
724	ALL	546949.70	4192325.29	2.5425E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8181E-04	0.00E+00
725	ALL	546969.70	4192325.29	2.6577E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9005E-04	0.00E+00
726	ALL	546989.70	4192325.29	2.7086E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9369E-04	0.00E+00
727	ALL	547029.70	4192325.29	2.5426E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8182E-04	0.00E+00
728	ALL	547049.70	4192325.29	2.3432E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6757E-04	0.00E+00
729	ALL	547069.70	4192325.29	2.1131E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5111E-04	0.00E+00
730	ALL	547209.70	4192325.29	1.1908E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.5155E-05	0.00E+00
731	ALL	547229.70	4192325.29	1.1249E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.0443E-05	0.00E+00

732	ALL	547309.70	4192325.29	8.9537E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.4028E-05	0.00E+00
733	ALL	546893.66	4192358.73	1.7360E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2414E-04	0.00E+00
734	ALL	546909.70	4192345.29	1.9752E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4125E-04	0.00E+00
735	ALL	546929.70	4192345.29	2.1106E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5093E-04	0.00E+00
736	ALL	546949.70	4192345.29	2.2251E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5912E-04	0.00E+00
737	ALL	547009.70	4192345.29	2.2936E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6402E-04	0.00E+00
738	ALL	547029.70	4192345.29	2.1836E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5615E-04	0.00E+00
739	ALL	547189.70	4192345.29	1.1000E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.8665E-05	0.00E+00
740	ALL	547209.70	4192345.29	1.0400E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.4369E-05	0.00E+00
741	ALL	547229.70	4192345.29	9.8526E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.0457E-05	0.00E+00
742	ALL	547289.70	4192345.29	8.3960E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.0040E-05	0.00E+00
743	ALL	547309.70	4192345.29	7.9527E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.6870E-05	0.00E+00
744	ALL	546804.65	4192405.69	1.0460E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.4800E-05	0.00E+00
745	ALL	546826.67	4192376.90	1.2576E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.9933E-05	0.00E+00
746	ALL	546845.66	4192374.38	1.3620E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.7398E-05	0.00E+00
747	ALL	546869.70	4192365.29	1.5463E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1058E-04	0.00E+00
748	ALL	546887.59	4192369.24	1.6126E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1532E-04	0.00E+00
749	ALL	546967.86	4192370.30	1.9517E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3957E-04	0.00E+00
750	ALL	546989.70	4192365.29	2.0336E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4543E-04	0.00E+00
751	ALL	547009.70	4192365.29	1.9940E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4259E-04	0.00E+00
752	ALL	547176.27	4192377.41	9.4290E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.7427E-05	0.00E+00
753	ALL	547189.70	4192365.29	9.7159E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.9479E-05	0.00E+00
754	ALL	547209.70	4192365.29	9.1861E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.5691E-05	0.00E+00
755	ALL	547269.70	4192365.29	7.8858E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.6392E-05	0.00E+00
756	ALL	547289.70	4192365.29	7.4948E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3596E-05	0.00E+00
757	ALL	547309.70	4192365.29	7.1196E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0913E-05	0.00E+00
758	ALL	546569.70	4191485.29	4.2301E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0250E-05	0.00E+00
759	ALL	546619.70	4191485.29	4.6408E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3186E-05	0.00E+00
760	ALL	546669.70	4191485.29	5.1217E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6625E-05	0.00E+00
761	ALL	546719.70	4191485.29	5.2140E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7286E-05	0.00E+00
762	ALL	546769.70	4191485.29	5.4664E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9091E-05	0.00E+00
763	ALL	546819.70	4191485.29	5.5095E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9399E-05	0.00E+00
764	ALL	546869.70	4191485.29	5.3530E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8279E-05	0.00E+00
765	ALL	546919.70	4191485.29	4.8997E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5038E-05	0.00E+00
766	ALL	546969.70	4191485.29	4.3402E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1037E-05	0.00E+00
767	ALL	547019.70	4191485.29	3.7156E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6571E-05	0.00E+00
768	ALL	547069.70	4191485.29	3.1788E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2732E-05	0.00E+00
769	ALL	547119.70	4191485.29	2.7968E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0000E-05	0.00E+00
770	ALL	547169.70	4191485.29	2.7115E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9390E-05	0.00E+00
771	ALL	547219.70	4191485.29	2.8923E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0683E-05	0.00E+00
772	ALL	547269.70	4191485.29	2.8611E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0460E-05	0.00E+00
773	ALL	547319.70	4191485.29	2.7644E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9768E-05	0.00E+00
774	ALL	546569.70	4191535.29	4.6648E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3358E-05	0.00E+00
775	ALL	546619.70	4191535.29	5.1951E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7151E-05	0.00E+00
776	ALL	546669.70	4191535.29	5.2875E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7811E-05	0.00E+00
777	ALL	546719.70	4191535.29	5.4894E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9255E-05	0.00E+00
778	ALL	546769.70	4191535.29	5.9471E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2528E-05	0.00E+00
779	ALL	546819.70	4191535.29	6.1100E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3693E-05	0.00E+00
780	ALL	546869.70	4191535.29	5.9116E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2274E-05	0.00E+00
781	ALL	546919.70	4191535.29	5.4659E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9087E-05	0.00E+00
782	ALL	546969.70	4191535.29	4.9584E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5458E-05	0.00E+00
783	ALL	547019.70	4191535.29	4.5975E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2877E-05	0.00E+00
784	ALL	547069.70	4191535.29	4.1177E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9446E-05	0.00E+00
785	ALL	547119.70	4191535.29	3.5050E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5064E-05	0.00E+00
786	ALL	547169.70	4191535.29	3.3670E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4078E-05	0.00E+00
787	ALL	547219.70	4191535.29	3.4957E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4998E-05	0.00E+00
788	ALL	546519.70	4191585.29	4.4016E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1476E-05	0.00E+00
789	ALL	546569.70	4191585.29	5.0834E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6352E-05	0.00E+00
790	ALL	546619.70	4191585.29	5.6186E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0179E-05	0.00E+00
791	ALL	546669.70	4191585.29	5.3476E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8241E-05	0.00E+00
792	ALL	546719.70	4191585.29	5.8414E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1772E-05	0.00E+00
793	ALL	546769.70	4191585.29	6.4203E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5912E-05	0.00E+00
794	ALL	546819.70	4191585.29	6.7277E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.8110E-05	0.00E+00
795	ALL	546869.70	4191585.29	6.6519E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7568E-05	0.00E+00
796	ALL	546919.70	4191585.29	6.3089E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5115E-05	0.00E+00
797	ALL	546969.70	4191585.29	6.0142E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3008E-05	0.00E+00
798	ALL	547019.70	4191585.29	5.4839E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9216E-05	0.00E+00
799	ALL	547069.70	4191585.29	4.8729E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4847E-05	0.00E+00
800	ALL	547119.70	4191585.29	4.4653E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1931E-05	0.00E+00
801	ALL	547169.70	4191585.29	4.4965E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2155E-05	0.00E+00
802	ALL	547219.70	4191585.29	4.3043E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0781E-05	0.00E+00
803	ALL	547269.70	4191585.29	4.3502E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1109E-05	0.00E+00
804	ALL	547319.70	4191585.29	4.3732E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1273E-05	0.00E+00
805	ALL	547369.70	4191585.29	4.5178E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2307E-05	0.00E+00
806	ALL	546469.70	4191635.29	3.8828E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7766E-05	0.00E+00

807	ALL	546519.70	4191635.29	4.6003E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2897E-05	0.00E+00
808	ALL	546569.70	4191635.29	5.4523E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8990E-05	0.00E+00
809	ALL	546619.70	4191635.29	5.8686E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1967E-05	0.00E+00
810	ALL	546669.70	4191635.29	5.8697E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1975E-05	0.00E+00
811	ALL	546719.70	4191635.29	6.3478E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5393E-05	0.00E+00
812	ALL	546769.70	4191635.29	6.8459E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.8956E-05	0.00E+00
813	ALL	546819.70	4191635.29	7.2628E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1937E-05	0.00E+00
814	ALL	546869.70	4191635.29	7.5270E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3826E-05	0.00E+00
815	ALL	546919.70	4191635.29	8.1304E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.8141E-05	0.00E+00
816	ALL	546969.70	4191635.29	8.1224E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.8084E-05	0.00E+00
817	ALL	547019.70	4191635.29	7.1069E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0822E-05	0.00E+00
818	ALL	547069.70	4191635.29	5.9824E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2780E-05	0.00E+00
819	ALL	547119.70	4191635.29	5.5710E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9838E-05	0.00E+00
820	ALL	547169.70	4191635.29	5.8719E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1990E-05	0.00E+00
821	ALL	547219.70	4191635.29	5.4278E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8814E-05	0.00E+00
822	ALL	547269.70	4191635.29	5.6890E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0682E-05	0.00E+00
823	ALL	547319.70	4191635.29	5.8309E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1697E-05	0.00E+00
824	ALL	547369.70	4191635.29	6.0564E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3310E-05	0.00E+00
825	ALL	546469.70	4191685.29	3.9745E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8422E-05	0.00E+00
826	ALL	546519.70	4191685.29	4.7554E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4006E-05	0.00E+00
827	ALL	546569.70	4191685.29	5.5584E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9749E-05	0.00E+00
828	ALL	546619.70	4191685.29	5.7819E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1347E-05	0.00E+00
829	ALL	546669.70	4191685.29	6.2195E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4476E-05	0.00E+00
830	ALL	546719.70	4191685.29	6.8945E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.9303E-05	0.00E+00
831	ALL	546769.70	4191685.29	7.3903E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.2848E-05	0.00E+00
832	ALL	546819.70	4191685.29	8.1074E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.7976E-05	0.00E+00
833	ALL	546869.70	4191685.29	9.4143E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.7323E-05	0.00E+00
834	ALL	546919.70	4191685.29	1.0751E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.6882E-05	0.00E+00
835	ALL	546969.70	4191685.29	1.1231E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.0311E-05	0.00E+00
836	ALL	547019.70	4191685.29	9.9785E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.1357E-05	0.00E+00
837	ALL	547069.70	4191685.29	7.8724E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.6296E-05	0.00E+00
838	ALL	547119.70	4191685.29	7.0879E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0686E-05	0.00E+00
839	ALL	547169.70	4191685.29	7.5328E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3868E-05	0.00E+00
840	ALL	547219.70	4191685.29	7.7468E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.5398E-05	0.00E+00
841	ALL	547269.70	4191685.29	7.8243E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.5952E-05	0.00E+00
842	ALL	547319.70	4191685.29	8.0757E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.7750E-05	0.00E+00
843	ALL	547369.70	4191685.29	8.2994E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9350E-05	0.00E+00
844	ALL	546469.70	4191735.29	4.0737E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9132E-05	0.00E+00
845	ALL	546519.70	4191735.29	4.8919E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4983E-05	0.00E+00
846	ALL	546569.70	4191735.29	5.3130E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7994E-05	0.00E+00
847	ALL	546619.70	4191735.29	5.6862E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0663E-05	0.00E+00
848	ALL	546669.70	4191735.29	6.5063E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6527E-05	0.00E+00
849	ALL	546719.70	4191735.29	7.2470E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1824E-05	0.00E+00
850	ALL	546769.70	4191735.29	8.0489E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.7588E-05	0.00E+00
851	ALL	546819.70	4191735.29	9.8966E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.0771E-05	0.00E+00
852	ALL	546869.70	4191735.29	1.2867E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.2016E-05	0.00E+00
853	ALL	546919.70	4191735.29	1.4394E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0293E-04	0.00E+00
854	ALL	546969.70	4191735.29	1.5534E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1109E-04	0.00E+00
855	ALL	547019.70	4191735.29	1.4659E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0483E-04	0.00E+00
856	ALL	547069.70	4191735.29	1.0940E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.8234E-05	0.00E+00
857	ALL	547119.70	4191735.29	9.5256E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.8118E-05	0.00E+00
858	ALL	547169.70	4191735.29	1.0193E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.2894E-05	0.00E+00
859	ALL	547219.70	4191735.29	1.1105E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.9413E-05	0.00E+00
860	ALL	547269.70	4191735.29	1.1315E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.0917E-05	0.00E+00
861	ALL	547319.70	4191735.29	1.1505E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.2274E-05	0.00E+00
862	ALL	547369.70	4191735.29	1.1465E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.1985E-05	0.00E+00
863	ALL	547619.70	4191735.29	8.4377E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.0339E-05	0.00E+00
864	ALL	546469.70	4191785.29	4.1958E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0004E-05	0.00E+00
865	ALL	546519.70	4191785.29	4.6859E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3509E-05	0.00E+00
866	ALL	546569.70	4191785.29	5.0891E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6392E-05	0.00E+00
867	ALL	546619.70	4191785.29	5.7873E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1385E-05	0.00E+00
868	ALL	546669.70	4191785.29	6.6559E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7597E-05	0.00E+00
869	ALL	546719.70	4191785.29	7.7717E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.5576E-05	0.00E+00
870	ALL	547319.70	4191785.29	1.6553E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1837E-04	0.00E+00
871	ALL	547369.70	4191785.29	1.5672E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1207E-04	0.00E+00
872	ALL	547569.70	4191785.29	1.0713E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.6607E-05	0.00E+00
873	ALL	547619.70	4191785.29	9.7332E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.9603E-05	0.00E+00
874	ALL	546469.70	4191835.29	4.2603E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0466E-05	0.00E+00
875	ALL	546519.70	4191835.29	4.6424E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3198E-05	0.00E+00
876	ALL	546569.70	4191835.29	5.1445E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6789E-05	0.00E+00
877	ALL	546619.70	4191835.29	5.9726E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2711E-05	0.00E+00
878	ALL	546669.70	4191835.29	7.2394E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1769E-05	0.00E+00
879	ALL	546719.70	4191835.29	9.2305E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.6008E-05	0.00E+00
880	ALL	547319.70	4191835.29	2.3466E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6781E-04	0.00E+00
881	ALL	547519.70	4191835.29	1.3849E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.9034E-05	0.00E+00



882	ALL	547569.70	4191835.29	1.2457E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.9081E-05	0.00E+00
883	ALL	547619.70	4191835.29	1.0634E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.6048E-05	0.00E+00
884	ALL	546469.70	4191885.29	4.2295E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0245E-05	0.00E+00
885	ALL	546519.70	4191885.29	4.7515E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3978E-05	0.00E+00
886	ALL	546569.70	4191885.29	5.3831E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8495E-05	0.00E+00
887	ALL	546619.70	4191885.29	6.5851E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7090E-05	0.00E+00
888	ALL	546669.70	4191885.29	8.3677E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9838E-05	0.00E+00
889	ALL	546719.70	4191885.29	1.1103E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.9396E-05	0.00E+00
890	ALL	547319.70	4191885.29	3.2433E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3193E-04	0.00E+00
891	ALL	547519.70	4191885.29	1.5803E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1301E-04	0.00E+00
892	ALL	547569.70	4191885.29	1.3668E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.7738E-05	0.00E+00
893	ALL	547619.70	4191885.29	1.1651E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.3320E-05	0.00E+00
894	ALL	546469.70	4191935.29	4.1941E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9992E-05	0.00E+00
895	ALL	546519.70	4191935.29	4.7942E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4284E-05	0.00E+00
896	ALL	546569.70	4191935.29	5.7530E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1140E-05	0.00E+00
897	ALL	546619.70	4191935.29	7.4523E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3292E-05	0.00E+00
898	ALL	546669.70	4191935.29	9.5125E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.8025E-05	0.00E+00
899	ALL	546719.70	4191935.29	1.2755E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.1214E-05	0.00E+00
900	ALL	547319.70	4191935.29	4.2549E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0427E-04	0.00E+00
901	ALL	547382.10	4191945.50	3.0398E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1738E-04	0.00E+00
902	ALL	547410.22	4191954.25	2.6368E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8856E-04	0.00E+00
903	ALL	547428.13	4191964.09	2.4498E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7519E-04	0.00E+00
904	ALL	547519.70	4191935.29	1.6694E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1938E-04	0.00E+00
905	ALL	547569.70	4191935.29	1.4496E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0366E-04	0.00E+00
906	ALL	547619.70	4191935.29	1.2234E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.7485E-05	0.00E+00
907	ALL	546469.70	4191985.29	4.2264E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0223E-05	0.00E+00
908	ALL	546519.70	4191985.29	4.9028E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5060E-05	0.00E+00
909	ALL	546569.70	4191985.29	6.2459E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4665E-05	0.00E+00
910	ALL	546619.70	4191985.29	8.2564E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9042E-05	0.00E+00
911	ALL	546669.70	4191985.29	1.0960E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.8379E-05	0.00E+00
912	ALL	546719.70	4191985.29	1.4797E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0582E-04	0.00E+00
913	ALL	547319.70	4191985.29	4.4928E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2128E-04	0.00E+00
914	ALL	547369.70	4191985.29	3.3863E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4216E-04	0.00E+00
915	ALL	547419.70	4191985.29	2.6115E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8675E-04	0.00E+00
916	ALL	547497.78	4191954.29	1.8131E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2965E-04	0.00E+00
917	ALL	547519.70	4191985.29	1.6812E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2022E-04	0.00E+00
918	ALL	547569.70	4191985.29	1.4002E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0013E-04	0.00E+00
919	ALL	547619.70	4191985.29	1.1776E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.4211E-05	0.00E+00
920	ALL	546469.70	4192035.29	4.1166E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9438E-05	0.00E+00
921	ALL	546519.70	4192035.29	5.0221E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5913E-05	0.00E+00
922	ALL	546569.70	4192035.29	6.4712E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6276E-05	0.00E+00
923	ALL	546619.70	4192035.29	8.6368E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.1762E-05	0.00E+00
924	ALL	546669.70	4192035.29	1.1993E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.5763E-05	0.00E+00
925	ALL	546719.70	4192035.29	1.6600E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1871E-04	0.00E+00
926	ALL	547352.01	4192020.06	3.6611E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6181E-04	0.00E+00
927	ALL	547369.70	4192035.29	3.2703E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3386E-04	0.00E+00
928	ALL	547419.70	4192035.29	2.5315E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8103E-04	0.00E+00
929	ALL	547469.70	4192035.29	2.0001E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4303E-04	0.00E+00
930	ALL	547519.70	4192035.29	1.6189E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1577E-04	0.00E+00
931	ALL	547569.70	4192035.29	1.3363E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.5563E-05	0.00E+00
932	ALL	547619.70	4192035.29	1.1213E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.0183E-05	0.00E+00
933	ALL	546469.70	4192085.29	4.0758E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9147E-05	0.00E+00
934	ALL	546519.70	4192085.29	5.2172E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7309E-05	0.00E+00
935	ALL	546569.70	4192085.29	6.7844E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.8516E-05	0.00E+00
936	ALL	546619.70	4192085.29	9.0705E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.4864E-05	0.00E+00
937	ALL	546669.70	4192085.29	1.2342E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.8257E-05	0.00E+00
938	ALL	546719.70	4192085.29	1.7584E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2574E-04	0.00E+00
939	ALL	547337.46	4192098.68	3.3413E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3894E-04	0.00E+00
940	ALL	547387.25	4192094.42	2.5731E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8401E-04	0.00E+00
941	ALL	547419.70	4192085.29	2.2487E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6080E-04	0.00E+00
942	ALL	547469.70	4192085.29	1.7882E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2788E-04	0.00E+00
943	ALL	547519.70	4192085.29	1.4561E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0413E-04	0.00E+00
944	ALL	547569.70	4192085.29	1.2082E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.6403E-05	0.00E+00
945	ALL	547619.70	4192085.29	1.0189E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.2859E-05	0.00E+00
946	ALL	546469.70	4192135.29	4.0574E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9015E-05	0.00E+00
947	ALL	546519.70	4192135.29	5.1844E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7074E-05	0.00E+00
948	ALL	546569.70	4192135.29	6.6041E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7226E-05	0.00E+00
949	ALL	546638.64	4192132.49	1.0190E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.2867E-05	0.00E+00
950	ALL	546679.02	4192141.19	1.2766E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.1291E-05	0.00E+00
951	ALL	546719.70	4192135.29	1.7462E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2487E-04	0.00E+00
952	ALL	547324.86	4192143.82	2.9031E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0760E-04	0.00E+00
953	ALL	547370.38	4192144.04	2.2787E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6295E-04	0.00E+00
954	ALL	547419.70	4192135.29	1.8788E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3436E-04	0.00E+00
955	ALL	547469.70	4192135.29	1.5187E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0861E-04	0.00E+00
956	ALL	547519.70	4192135.29	1.2528E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.9590E-05	0.00E+00

957	ALL	547569.70	4192135.29	1.0513E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.5182E-05	0.00E+00
958	ALL	547619.70	4192135.29	8.9488E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.3994E-05	0.00E+00
959	ALL	546469.70	4192185.29	4.0174E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8729E-05	0.00E+00
960	ALL	546519.70	4192185.29	5.1031E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6492E-05	0.00E+00
961	ALL	546568.15	4192168.83	6.4468E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6101E-05	0.00E+00
962	ALL	546613.18	4192176.59	8.2428E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.8945E-05	0.00E+00
963	ALL	546657.59	4192185.60	1.0256E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.3339E-05	0.00E+00
964	ALL	546719.70	4192185.29	1.7143E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2259E-04	0.00E+00
965	ALL	547319.70	4192185.29	2.3022E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6463E-04	0.00E+00
966	ALL	547369.70	4192185.29	1.8217E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3027E-04	0.00E+00
967	ALL	547419.70	4192185.29	1.4782E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0570E-04	0.00E+00
968	ALL	547469.70	4192185.29	1.2238E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.7518E-05	0.00E+00
969	ALL	547519.70	4192185.29	1.0302E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.3672E-05	0.00E+00
970	ALL	547569.70	4192185.29	8.7905E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.2862E-05	0.00E+00
971	ALL	547619.70	4192185.29	7.5888E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.4268E-05	0.00E+00
972	ALL	546469.70	4192235.29	3.9125E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7978E-05	0.00E+00
973	ALL	546519.70	4192235.29	4.8109E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4403E-05	0.00E+00
974	ALL	546569.70	4192235.29	5.9700E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2692E-05	0.00E+00
975	ALL	546619.70	4192235.29	7.3998E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.2917E-05	0.00E+00
976	ALL	546669.70	4192235.29	9.4568E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.7626E-05	0.00E+00
977	ALL	546719.70	4192235.29	1.2409E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.8739E-05	0.00E+00
978	ALL	547319.70	4192235.29	1.6118E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1526E-04	0.00E+00
979	ALL	547369.70	4192235.29	1.3306E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.5154E-05	0.00E+00
980	ALL	547419.70	4192235.29	1.1165E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.9845E-05	0.00E+00
981	ALL	547469.70	4192235.29	9.5049E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.7970E-05	0.00E+00
982	ALL	547519.70	4192235.29	8.1884E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.8556E-05	0.00E+00
983	ALL	547569.70	4192235.29	7.1274E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0969E-05	0.00E+00
984	ALL	547619.70	4192235.29	6.2583E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4753E-05	0.00E+00
985	ALL	546469.70	4192285.29	3.7388E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6736E-05	0.00E+00
986	ALL	546518.65	4192303.48	4.2676E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0518E-05	0.00E+00
987	ALL	546571.81	4192293.99	5.3013E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7910E-05	0.00E+00
988	ALL	546619.70	4192285.29	6.5723E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6999E-05	0.00E+00
989	ALL	546669.70	4192285.29	8.1108E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.8001E-05	0.00E+00
990	ALL	546700.81	4192269.83	9.7991E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.0074E-05	0.00E+00
991	ALL	547369.70	4192285.29	9.6359E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.8907E-05	0.00E+00
992	ALL	547419.70	4192285.29	8.3186E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9487E-05	0.00E+00
993	ALL	547469.70	4192285.29	7.2574E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1898E-05	0.00E+00
994	ALL	547519.70	4192285.29	6.3896E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5693E-05	0.00E+00
995	ALL	547569.70	4192285.29	5.6706E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0551E-05	0.00E+00
996	ALL	547619.70	4192285.29	5.0504E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6116E-05	0.00E+00
997	ALL	546478.70	4192343.97	3.5572E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5438E-05	0.00E+00
998	ALL	546519.70	4192335.29	4.0896E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9245E-05	0.00E+00
999	ALL	546579.94	4192345.21	4.9779E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5597E-05	0.00E+00
1000	ALL	546625.77	4192341.88	5.9251E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2371E-05	0.00E+00
1001	ALL	546642.80	4192330.28	6.4875E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6393E-05	0.00E+00
1002	ALL	547319.70	4192335.29	8.1985E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.8628E-05	0.00E+00
1003	ALL	547369.70	4192335.29	7.1541E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1159E-05	0.00E+00
1004	ALL	547419.70	4192335.29	6.2859E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4951E-05	0.00E+00
1005	ALL	547469.70	4192335.29	5.5727E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9851E-05	0.00E+00
1006	ALL	547519.70	4192335.29	4.9839E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5640E-05	0.00E+00
1007	ALL	547569.70	4192335.29	4.4906E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2112E-05	0.00E+00
1008	ALL	547619.70	4192335.29	4.0546E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8995E-05	0.00E+00
1009	ALL	546475.91	4192375.05	3.3817E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4183E-05	0.00E+00
1010	ALL	546533.97	4192401.73	3.8881E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7804E-05	0.00E+00
1011	ALL	546573.43	4192395.52	4.4671E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1944E-05	0.00E+00
1012	ALL	546608.53	4192380.94	5.1730E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6992E-05	0.00E+00
1013	ALL	546809.60	4192379.73	1.1666E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.3426E-05	0.00E+00
1014	ALL	546867.59	4192378.17	1.4443E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0328E-04	0.00E+00
1015	ALL	546919.70	4192385.29	1.6298E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1655E-04	0.00E+00
1016	ALL	546969.17	4192380.01	1.8401E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3159E-04	0.00E+00
1017	ALL	546944.04	4192384.50	1.7297E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2369E-04	0.00E+00
1018	ALL	547147.98	4192416.60	8.4926E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.0731E-05	0.00E+00
1019	ALL	547131.32	4192432.25	8.4258E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.0254E-05	0.00E+00
1020	ALL	547169.70	4192385.29	9.2212E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.5941E-05	0.00E+00
1021	ALL	547269.70	4192385.29	7.0740E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0587E-05	0.00E+00
1022	ALL	547319.70	4192385.29	6.1418E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3920E-05	0.00E+00
1023	ALL	547369.70	4192385.29	5.3472E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8238E-05	0.00E+00
1024	ALL	547419.70	4192385.29	4.8673E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4806E-05	0.00E+00
1025	ALL	547469.70	4192385.29	4.3886E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1383E-05	0.00E+00
1026	ALL	547519.70	4192385.29	3.9536E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8272E-05	0.00E+00
1027	ALL	547569.70	4192385.29	3.5915E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5683E-05	0.00E+00
1028	ALL	547619.70	4192385.29	3.2854E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3494E-05	0.00E+00
1029	ALL	546469.70	4192435.29	3.0645E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1914E-05	0.00E+00
1030	ALL	546496.43	4192414.19	3.4047E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4347E-05	0.00E+00
1031	ALL	546830.00	4192425.84	1.0483E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.4968E-05	0.00E+00

1032	ALL	546875.28	4192428.85	1.1732E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.3898E-05	0.00E+00
1033	ALL	546888.80	4192412.11	1.3123E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	9.3847E-05	0.00E+00
1034	ALL	546924.09	4192402.33	1.5052E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0764E-04	0.00E+00
1035	ALL	546907.66	4192403.39	1.4387E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0288E-04	0.00E+00
1036	ALL	547107.58	4192460.03	8.2072E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.8690E-05	0.00E+00
1037	ALL	547117.18	4192447.41	8.3346E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9601E-05	0.00E+00
1038	ALL	547169.70	4192435.29	7.2118E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1572E-05	0.00E+00
1039	ALL	547219.70	4192435.29	6.1946E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4298E-05	0.00E+00
1040	ALL	547269.70	4192435.29	5.2327E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7419E-05	0.00E+00
1041	ALL	547319.70	4192435.29	4.5982E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2882E-05	0.00E+00
1042	ALL	547369.70	4192435.29	4.0682E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9092E-05	0.00E+00
1043	ALL	547419.70	4192435.29	3.7194E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6598E-05	0.00E+00
1044	ALL	547469.70	4192435.29	3.5066E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5076E-05	0.00E+00
1045	ALL	547519.70	4192435.29	3.2290E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3091E-05	0.00E+00
1046	ALL	547569.70	4192435.29	2.9377E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1008E-05	0.00E+00
1047	ALL	547619.70	4192435.29	2.6948E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9271E-05	0.00E+00
1048	ALL	546422.48	4192472.48	2.5829E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8471E-05	0.00E+00
1049	ALL	54790.67	4192559.38	6.0362E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3165E-05	0.00E+00
1050	ALL	546854.04	4192432.49	1.0907E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.7997E-05	0.00E+00
1051	ALL	546678.79	4192611.55	4.2613E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0473E-05	0.00E+00
1052	ALL	546715.15	4192646.91	4.1522E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9693E-05	0.00E+00
1053	ALL	547012.13	4192570.64	7.1557E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1171E-05	0.00E+00
1054	ALL	547068.63	4192519.54	7.4560E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3318E-05	0.00E+00
1055	ALL	547078.79	4192495.77	7.9036E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.6519E-05	0.00E+00
1056	ALL	547093.44	4192478.22	8.0355E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.7462E-05	0.00E+00
1057	ALL	547169.70	4192485.29	5.8679E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1962E-05	0.00E+00
1058	ALL	547219.70	4192485.29	4.6937E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3565E-05	0.00E+00
1059	ALL	547269.70	4192485.29	3.5714E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5539E-05	0.00E+00
1060	ALL	547319.70	4192485.29	3.1448E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2489E-05	0.00E+00
1061	ALL	547369.70	4192485.29	3.0737E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1981E-05	0.00E+00
1062	ALL	547419.70	4192485.29	2.9586E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1157E-05	0.00E+00
1063	ALL	547469.70	4192485.29	2.8394E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0305E-05	0.00E+00
1064	ALL	547519.70	4192485.29	2.7171E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9430E-05	0.00E+00
1065	ALL	547569.70	4192485.29	2.4748E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7697E-05	0.00E+00
1066	ALL	547619.70	4192485.29	2.2562E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6135E-05	0.00E+00
1067	ALL	546494.51	4192561.70	2.9245E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0913E-05	0.00E+00
1068	ALL	546519.70	4192535.29	3.2175E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3009E-05	0.00E+00
1069	ALL	546574.98	4192542.42	3.7830E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7052E-05	0.00E+00
1070	ALL	546722.90	4192567.30	5.1665E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6946E-05	0.00E+00
1071	ALL	546763.41	4192524.10	6.3427E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5357E-05	0.00E+00
1072	ALL	546783.58	4192534.56	6.4161E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5882E-05	0.00E+00
1073	ALL	546744.54	4192548.79	5.6773E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0599E-05	0.00E+00
1074	ALL	546937.58	4192602.43	6.6559E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7597E-05	0.00E+00
1075	ALL	547003.95	4192589.81	6.7615E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.8352E-05	0.00E+00
1076	ALL	547043.47	4192552.06	7.1265E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0962E-05	0.00E+00
1077	ALL	547057.82	4192536.69	7.2303E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1704E-05	0.00E+00
1078	ALL	547119.70	4192535.29	5.8349E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1726E-05	0.00E+00
1079	ALL	547169.70	4192535.29	4.7298E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3823E-05	0.00E+00
1080	ALL	547219.70	4192535.29	3.4911E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4965E-05	0.00E+00
1081	ALL	547269.70	4192535.29	2.5631E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8329E-05	0.00E+00
1082	ALL	547319.70	4192535.29	2.2261E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5919E-05	0.00E+00
1083	ALL	547369.70	4192535.29	2.2027E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5752E-05	0.00E+00
1084	ALL	547419.70	4192535.29	2.3477E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6789E-05	0.00E+00
1085	ALL	547469.70	4192535.29	2.3639E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6905E-05	0.00E+00
1086	ALL	547519.70	4192535.29	2.2631E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6183E-05	0.00E+00
1087	ALL	547569.70	4192535.29	2.1226E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5179E-05	0.00E+00
1088	ALL	547619.70	4192535.29	1.9244E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3762E-05	0.00E+00
1089	ALL	546469.70	4192585.29	2.6797E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9163E-05	0.00E+00
1090	ALL	546528.51	4192594.89	3.1365E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2429E-05	0.00E+00
1091	ALL	546598.55	4192567.91	3.9148E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7995E-05	0.00E+00
1092	ALL	546695.69	4192597.29	4.5454E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2504E-05	0.00E+00
1093	ALL	546769.70	4192585.29	5.3743E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8432E-05	0.00E+00
1094	ALL	546879.81	4192750.24	4.1324E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9551E-05	0.00E+00
1095	ALL	546981.54	4192599.96	6.6930E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7862E-05	0.00E+00
1096	ALL	546914.90	4192596.49	6.6520E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7569E-05	0.00E+00
1097	ALL	546959.30	4192606.10	6.6154E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7307E-05	0.00E+00
1098	ALL	547019.70	4192585.29	6.6798E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7768E-05	0.00E+00
1099	ALL	547069.70	4192585.29	5.8363E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1736E-05	0.00E+00
1100	ALL	547119.70	4192585.29	4.9105E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5115E-05	0.00E+00
1101	ALL	547169.70	4192585.29	3.9500E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8246E-05	0.00E+00
1102	ALL	547219.70	4192585.29	2.7183E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9439E-05	0.00E+00
1103	ALL	547269.70	4192585.29	1.9878E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4215E-05	0.00E+00
1104	ALL	547319.70	4192585.29	1.6959E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2127E-05	0.00E+00
1105	ALL	547369.70	4192585.29	1.6487E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1790E-05	0.00E+00
1106	ALL	547419.70	4192585.29	1.7436E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2468E-05	0.00E+00

1107	ALL	547469.70	4192585.29	1.9027E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3606E-05	0.00E+00
1108	ALL	547519.70	4192585.29	1.8899E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3515E-05	0.00E+00
1109	ALL	547569.70	4192585.29	1.8220E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3029E-05	0.00E+00
1110	ALL	547619.70	4192585.29	1.6997E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2155E-05	0.00E+00
1111	ALL	546469.70	4192635.29	2.5901E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8522E-05	0.00E+00
1112	ALL	546502.89	4192620.88	2.8592E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0446E-05	0.00E+00
1113	ALL	546669.70	4192635.29	3.9648E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8353E-05	0.00E+00
1114	ALL	546719.70	4192635.29	4.3057E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0790E-05	0.00E+00
1115	ALL	546632.71	4192698.89	3.2572E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3293E-05	0.00E+00
1116	ALL	546642.17	4192649.27	3.6743E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6275E-05	0.00E+00
1117	ALL	546885.71	4192628.88	5.7935E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1429E-05	0.00E+00
1118	ALL	546934.11	4192644.89	5.7927E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1424E-05	0.00E+00
1119	ALL	546973.70	4192648.89	5.7132E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0855E-05	0.00E+00
1120	ALL	547019.70	4192635.29	5.6193E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0184E-05	0.00E+00
1121	ALL	547069.70	4192635.29	4.9397E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5324E-05	0.00E+00
1122	ALL	547119.70	4192635.29	4.2029E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0055E-05	0.00E+00
1123	ALL	547169.70	4192635.29	3.1809E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2747E-05	0.00E+00
1124	ALL	547219.70	4192635.29	2.2564E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6136E-05	0.00E+00
1125	ALL	547269.70	4192635.29	1.7014E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2167E-05	0.00E+00
1126	ALL	547319.70	4192635.29	1.4003E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0014E-05	0.00E+00
1127	ALL	547369.70	4192635.29	1.3360E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.5536E-06	0.00E+00
1128	ALL	547419.70	4192635.29	1.3726E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.8152E-06	0.00E+00
1129	ALL	547469.70	4192635.29	1.4120E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0097E-05	0.00E+00
1130	ALL	547519.70	4192635.29	1.5181E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0856E-05	0.00E+00
1131	ALL	547569.70	4192635.29	1.6526E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1818E-05	0.00E+00
1132	ALL	547619.70	4192635.29	1.5374E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0994E-05	0.00E+00
1133	ALL	546526.27	4192702.44	2.7454E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9632E-05	0.00E+00
1134	ALL	546546.71	4192694.77	2.8810E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0602E-05	0.00E+00
1135	ALL	546569.70	4192685.29	3.0431E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1762E-05	0.00E+00
1136	ALL	546610.62	4192669.21	3.3528E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3976E-05	0.00E+00
1137	ALL	546669.70	4192685.29	3.5366E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5291E-05	0.00E+00
1138	ALL	546702.09	4192663.68	3.9050E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7925E-05	0.00E+00
1139	ALL	546751.29	4192606.85	4.8957E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5010E-05	0.00E+00
1140	ALL	546902.14	4192732.51	4.4101E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1537E-05	0.00E+00
1141	ALL	546892.11	4192670.08	5.1815E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7053E-05	0.00E+00
1142	ALL	546919.70	4192685.29	5.0827E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6347E-05	0.00E+00
1143	ALL	546946.49	4192689.29	5.0820E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6342E-05	0.00E+00
1144	ALL	547019.70	4192685.29	4.8115E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4407E-05	0.00E+00
1145	ALL	547069.70	4192685.29	4.2424E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0338E-05	0.00E+00
1146	ALL	547119.70	4192685.29	3.5547E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5420E-05	0.00E+00
1147	ALL	547169.70	4192685.29	2.8383E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0297E-05	0.00E+00
1148	ALL	547219.70	4192685.29	2.0838E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4901E-05	0.00E+00
1149	ALL	547269.70	4192685.29	1.5746E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1260E-05	0.00E+00
1150	ALL	547319.70	4192685.29	1.2454E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.9057E-06	0.00E+00
1151	ALL	547369.70	4192685.29	1.1195E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.0058E-06	0.00E+00
1152	ALL	547419.70	4192685.29	1.1334E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.1051E-06	0.00E+00
1153	ALL	547469.70	4192685.29	1.1785E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.4273E-06	0.00E+00
1154	ALL	547519.70	4192685.29	1.3318E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.5236E-06	0.00E+00
1155	ALL	547569.70	4192685.29	1.5214E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0880E-05	0.00E+00
1156	ALL	547619.70	4192685.29	1.4395E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0294E-05	0.00E+00
1157	ALL	547169.70	4190985.29	1.0219E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.3075E-06	0.00E+00
1158	ALL	547269.70	4190985.29	8.0254E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.7390E-06	0.00E+00
1159	ALL	547369.70	4190985.29	6.7620E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.8356E-06	0.00E+00
1160	ALL	547469.70	4190985.29	6.2401E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4623E-06	0.00E+00
1161	ALL	547569.70	4190985.29	6.0478E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3248E-06	0.00E+00
1162	ALL	547669.70	4190985.29	6.5271E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6676E-06	0.00E+00
1163	ALL	547069.70	4191085.29	1.5757E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1268E-05	0.00E+00
1164	ALL	547169.70	4191085.29	1.1036E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.8916E-06	0.00E+00
1165	ALL	547269.70	4191085.29	8.7918E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.2871E-06	0.00E+00
1166	ALL	547369.70	4191085.29	8.5651E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.1250E-06	0.00E+00
1167	ALL	547469.70	4191085.29	8.2676E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9122E-06	0.00E+00
1168	ALL	547569.70	4191085.29	8.1846E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.8529E-06	0.00E+00
1169	ALL	546969.70	4191185.29	2.5806E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8454E-05	0.00E+00
1170	ALL	547069.70	4191185.29	1.7356E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2411E-05	0.00E+00
1171	ALL	547169.70	4191185.29	1.2337E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.8221E-06	0.00E+00
1172	ALL	547269.70	4191185.29	1.0413E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.4466E-06	0.00E+00
1173	ALL	547369.70	4191185.29	1.0047E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.1845E-06	0.00E+00
1174	ALL	547469.70	4191185.29	1.0627E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.5996E-06	0.00E+00
1175	ALL	546769.70	4191285.29	3.7374E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6726E-05	0.00E+00
1176	ALL	546869.70	4191285.29	3.7505E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6820E-05	0.00E+00
1177	ALL	546969.70	4191285.29	3.0461E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1783E-05	0.00E+00
1178	ALL	547069.70	4191285.29	1.9932E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4253E-05	0.00E+00
1179	ALL	547169.70	4191285.29	1.4688E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0504E-05	0.00E+00
1180	ALL	547269.70	4191285.29	1.5037E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0753E-05	0.00E+00
1181	ALL	547369.70	4191285.29	1.3798E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.8673E-06	0.00E+00

1182	ALL	546669.70	4191385.29	4.1239E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9490E-05	0.00E+00
1183	ALL	546769.70	4191385.29	4.7267E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3801E-05	0.00E+00
1184	ALL	546869.70	4191385.29	4.3925E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1411E-05	0.00E+00
1185	ALL	546969.70	4191385.29	3.5502E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5388E-05	0.00E+00
1186	ALL	547069.70	4191385.29	2.3902E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7092E-05	0.00E+00
1187	ALL	547169.70	4191385.29	1.9377E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3857E-05	0.00E+00
1188	ALL	547269.70	4191385.29	2.0287E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4508E-05	0.00E+00
1189	ALL	547369.70	4191385.29	1.9071E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3638E-05	0.00E+00
1190	ALL	547669.70	4191685.29	6.7700E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.8413E-05	0.00E+00
1191	ALL	547769.70	4191685.29	5.8198E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1617E-05	0.00E+00
1192	ALL	547869.70	4191685.29	4.9574E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5451E-05	0.00E+00
1193	ALL	547969.70	4191685.29	4.2291E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0243E-05	0.00E+00
1194	ALL	548069.70	4191685.29	3.6230E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5908E-05	0.00E+00
1195	ALL	546369.70	4191785.29	3.0354E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1707E-05	0.00E+00
1196	ALL	547669.70	4191785.29	8.7120E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.2300E-05	0.00E+00
1197	ALL	547769.70	4191785.29	6.9254E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.9524E-05	0.00E+00
1198	ALL	547869.70	4191785.29	5.6485E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0393E-05	0.00E+00
1199	ALL	546269.70	4191885.29	2.4746E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7696E-05	0.00E+00
1200	ALL	546369.70	4191885.29	3.2695E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3381E-05	0.00E+00
1201	ALL	547669.70	4191885.29	1.0296E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.3628E-05	0.00E+00
1202	ALL	547769.70	4191885.29	7.6608E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.4783E-05	0.00E+00
1203	ALL	547869.70	4191885.29	5.9952E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2872E-05	0.00E+00
1204	ALL	547969.70	4191885.29	4.8408E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4617E-05	0.00E+00
1205	ALL	548069.70	4191885.29	3.9725E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8407E-05	0.00E+00
1206	ALL	546269.70	4191985.29	2.6333E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8831E-05	0.00E+00
1207	ALL	546369.70	4191985.29	3.4919E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4971E-05	0.00E+00
1208	ALL	547669.70	4191985.29	1.0032E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.1740E-05	0.00E+00
1209	ALL	547769.70	4191985.29	7.5081E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3691E-05	0.00E+00
1210	ALL	547869.70	4191985.29	5.8321E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1706E-05	0.00E+00
1211	ALL	547969.70	4191985.29	4.6574E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3306E-05	0.00E+00
1212	ALL	548069.70	4191985.29	3.7922E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7119E-05	0.00E+00
1213	ALL	546169.70	4192085.29	2.1330E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5253E-05	0.00E+00
1214	ALL	546269.70	4192085.29	2.7442E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9624E-05	0.00E+00
1215	ALL	546369.70	4192085.29	3.2056E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2923E-05	0.00E+00
1216	ALL	547669.70	4192085.29	8.7049E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.2249E-05	0.00E+00
1217	ALL	547769.70	4192085.29	6.5647E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6944E-05	0.00E+00
1218	ALL	547869.70	4192085.29	5.1253E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6651E-05	0.00E+00
1219	ALL	547969.70	4192085.29	4.1616E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9760E-05	0.00E+00
1220	ALL	548069.70	4192085.29	3.2549E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3276E-05	0.00E+00
1221	ALL	546169.70	4192185.29	2.1074E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5070E-05	0.00E+00
1222	ALL	546269.70	4192185.29	2.6713E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9103E-05	0.00E+00
1223	ALL	546369.70	4192185.29	2.8889E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0659E-05	0.00E+00
1224	ALL	547669.70	4192185.29	6.6180E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7326E-05	0.00E+00
1225	ALL	547769.70	4192185.29	5.1596E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6896E-05	0.00E+00
1226	ALL	547869.70	4192185.29	4.1306E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9538E-05	0.00E+00
1227	ALL	547969.70	4192185.29	3.2748E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3418E-05	0.00E+00
1228	ALL	548069.70	4192185.29	2.4937E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7833E-05	0.00E+00
1229	ALL	546169.70	4192285.29	1.9108E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3664E-05	0.00E+00
1230	ALL	546269.70	4192285.29	2.3552E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6842E-05	0.00E+00
1231	ALL	546369.70	4192285.29	2.7347E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9556E-05	0.00E+00
1232	ALL	547669.70	4192285.29	4.4038E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1492E-05	0.00E+00
1233	ALL	547769.70	4192285.29	3.3954E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4281E-05	0.00E+00
1234	ALL	547869.70	4192285.29	2.8660E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0495E-05	0.00E+00
1235	ALL	547969.70	4192285.29	2.4058E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7204E-05	0.00E+00
1236	ALL	548069.70	4192285.29	1.9695E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4084E-05	0.00E+00
1237	ALL	546169.70	4192385.29	1.6615E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1881E-05	0.00E+00
1238	ALL	546269.70	4192385.29	2.0240E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4474E-05	0.00E+00
1239	ALL	546369.70	4192385.29	2.4828E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7754E-05	0.00E+00
1240	ALL	547669.70	4192385.29	3.0030E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1475E-05	0.00E+00
1241	ALL	547769.70	4192385.29	2.3350E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6698E-05	0.00E+00
1242	ALL	547869.70	4192385.29	1.9102E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3660E-05	0.00E+00
1243	ALL	547969.70	4192385.29	1.6656E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1911E-05	0.00E+00
1244	ALL	548069.70	4192385.29	1.3966E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.9873E-06	0.00E+00
1245	ALL	546269.70	4192485.29	1.7861E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2773E-05	0.00E+00
1246	ALL	546369.70	4192485.29	2.2334E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5971E-05	0.00E+00
1247	ALL	547669.70	4192485.29	2.0519E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4673E-05	0.00E+00
1248	ALL	547769.70	4192485.29	1.5370E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0991E-05	0.00E+00
1249	ALL	547869.70	4192485.29	1.2980E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.2817E-06	0.00E+00
1250	ALL	547969.70	4192485.29	1.1289E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.0729E-06	0.00E+00
1251	ALL	548069.70	4192485.29	9.6444E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.8968E-06	0.00E+00
1252	ALL	546369.70	4192585.29	2.0534E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4684E-05	0.00E+00
1253	ALL	547669.70	4192585.29	1.4728E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0532E-05	0.00E+00
1254	ALL	547769.70	4192585.29	1.1415E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.1627E-06	0.00E+00
1255	ALL	547869.70	4192585.29	9.0365E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.4621E-06	0.00E+00
1256	ALL	547969.70	4192585.29	7.7877E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.5690E-06	0.00E+00

1257	ALL	548069.70	4192585.29	6.8765E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.9174E-06	0.00E+00
1258	ALL	547669.70	4192685.29	1.2691E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.0757E-06	0.00E+00
1259	ALL	547769.70	4192685.29	8.7067E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.2262E-06	0.00E+00
1260	ALL	547869.70	4192685.29	6.9458E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.9670E-06	0.00E+00
1261	ALL	547969.70	4192685.29	5.8096E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1545E-06	0.00E+00
1262	ALL	548069.70	4192685.29	5.0657E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6225E-06	0.00E+00
1263	ALL	546469.70	4192785.29	2.2205E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5879E-05	0.00E+00
1264	ALL	546542.52	4192821.14	2.2965E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6422E-05	0.00E+00
1265	ALL	546725.80	4192833.86	2.8280E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0224E-05	0.00E+00
1266	ALL	546801.51	4192804.37	3.3207E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3747E-05	0.00E+00
1267	ALL	546860.45	4192772.56	3.8347E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7422E-05	0.00E+00
1268	ALL	546969.70	4192785.29	3.8948E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7852E-05	0.00E+00
1269	ALL	547069.70	4192785.29	3.2324E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3115E-05	0.00E+00
1270	ALL	547169.70	4192785.29	2.2895E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6373E-05	0.00E+00
1271	ALL	547269.70	4192785.29	1.3826E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.8868E-06	0.00E+00
1272	ALL	547369.70	4192785.29	9.8711E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	7.0589E-06	0.00E+00
1273	ALL	547469.70	4192785.29	9.5135E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.8032E-06	0.00E+00
1274	ALL	547569.70	4192785.29	1.0500E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.5083E-06	0.00E+00
1275	ALL	547669.70	4192785.29	1.1781E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.4245E-06	0.00E+00
1276	ALL	547769.70	4192785.29	8.3162E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9470E-06	0.00E+00
1277	ALL	547869.70	4192785.29	5.8644E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1937E-06	0.00E+00
1278	ALL	547969.70	4192785.29	4.7468E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3945E-06	0.00E+00
1279	ALL	548069.70	4192785.29	4.1060E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9362E-06	0.00E+00
1280	ALL	546323.25	4193254.79	1.0188E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.2859E-06	0.00E+00
1281	ALL	546469.70	4192885.29	1.9129E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3679E-05	0.00E+00
1282	ALL	546558.14	4192871.41	2.1316E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5243E-05	0.00E+00
1283	ALL	546660.45	4192881.24	2.3760E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6991E-05	0.00E+00
1284	ALL	546798.04	4192917.09	2.6356E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8847E-05	0.00E+00
1285	ALL	546869.70	4192885.29	3.0211E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1604E-05	0.00E+00
1286	ALL	546969.70	4192885.29	3.2018E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2896E-05	0.00E+00
1287	ALL	547069.70	4192885.29	2.5573E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8288E-05	0.00E+00
1288	ALL	547169.70	4192885.29	1.8207E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3020E-05	0.00E+00
1289	ALL	547269.70	4192885.29	1.2473E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.9198E-06	0.00E+00
1290	ALL	547369.70	4192885.29	9.5087E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.7997E-06	0.00E+00
1291	ALL	547469.70	4192885.29	7.4274E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3114E-06	0.00E+00
1292	ALL	547569.70	4192885.29	7.1851E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1381E-06	0.00E+00
1293	ALL	547669.70	4192885.29	7.8725E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.6297E-06	0.00E+00
1294	ALL	547769.70	4192885.29	6.5668E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6960E-06	0.00E+00
1295	ALL	546272.38	4193305.25	9.3675E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.6988E-06	0.00E+00
1296	ALL	546369.70	4192985.29	1.5049E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0761E-05	0.00E+00
1297	ALL	546469.70	4192985.29	1.6319E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1670E-05	0.00E+00
1298	ALL	546569.70	4192985.29	1.7990E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2865E-05	0.00E+00
1299	ALL	546669.70	4192985.29	1.9546E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3977E-05	0.00E+00
1300	ALL	546769.70	4192985.29	1.9218E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3743E-05	0.00E+00
1301	ALL	546869.70	4192985.29	2.0751E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4839E-05	0.00E+00
1302	ALL	546969.70	4192985.29	1.8776E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3427E-05	0.00E+00
1303	ALL	547069.70	4192985.29	2.0395E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4584E-05	0.00E+00
1304	ALL	547169.70	4192985.29	1.5326E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0960E-05	0.00E+00
1305	ALL	547269.70	4192985.29	1.1120E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.9518E-06	0.00E+00
1306	ALL	547369.70	4192985.29	8.7830E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.2808E-06	0.00E+00
1307	ALL	547469.70	4192985.29	6.3583E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5469E-06	0.00E+00
1308	ALL	547569.70	4192985.29	5.1813E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7052E-06	0.00E+00
1309	ALL	547669.70	4192985.29	5.1099E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6542E-06	0.00E+00
1310	ALL	547769.70	4192985.29	5.4658E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9087E-06	0.00E+00
1311	ALL	546404.92	4193154.90	1.2187E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.7148E-06	0.00E+00
1312	ALL	546369.70	4193085.29	1.3104E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.3711E-06	0.00E+00
1313	ALL	546469.70	4193085.29	1.4115E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0093E-05	0.00E+00
1314	ALL	546569.70	4193085.29	1.3405E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.5863E-06	0.00E+00
1315	ALL	546669.70	4193085.29	1.0989E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.8581E-06	0.00E+00
1316	ALL	546769.70	4193085.29	1.0431E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.4594E-06	0.00E+00
1317	ALL	546869.70	4193085.29	1.3237E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.4660E-06	0.00E+00
1318	ALL	546969.70	4193085.29	1.1570E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.2735E-06	0.00E+00
1319	ALL	547069.70	4193085.29	1.3100E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.3678E-06	0.00E+00
1320	ALL	547169.70	4193085.29	1.0402E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.4387E-06	0.00E+00
1321	ALL	547269.70	4193085.29	8.4866E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.0688E-06	0.00E+00
1322	ALL	547369.70	4193085.29	6.8836E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.9225E-06	0.00E+00
1323	ALL	547469.70	4193085.29	5.3532E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8281E-06	0.00E+00
1324	ALL	547569.70	4193085.29	4.3205E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0896E-06	0.00E+00
1325	ALL	547669.70	4193085.29	3.8799E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7746E-06	0.00E+00
1326	ALL	547769.70	4193085.29	4.1232E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9485E-06	0.00E+00
1327	ALL	546340.66	4193143.79	1.1891E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.5036E-06	0.00E+00
1328	ALL	546369.70	4193185.29	1.1429E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.1729E-06	0.00E+00
1329	ALL	546469.70	4193185.29	1.1695E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.3631E-06	0.00E+00
1330	ALL	546569.70	4193185.29	1.3622E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.7410E-06	0.00E+00
1331	ALL	546669.70	4193185.29	1.0098E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.2215E-06	0.00E+00

1332	ALL	546769.70	4193185.29	7.7777E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.5619E-06	0.00E+00
1333	ALL	546869.70	4193185.29	8.2066E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.8686E-06	0.00E+00
1334	ALL	546969.70	4193185.29	8.5071E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.0835E-06	0.00E+00
1335	ALL	547069.70	4193185.29	8.2514E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9006E-06	0.00E+00
1336	ALL	547169.70	4193185.29	7.3937E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.2873E-06	0.00E+00
1337	ALL	547269.70	4193185.29	7.0536E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0441E-06	0.00E+00
1338	ALL	547369.70	4193185.29	5.3879E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8529E-06	0.00E+00
1339	ALL	547469.70	4193185.29	4.3484E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1096E-06	0.00E+00
1340	ALL	547569.70	4193185.29	3.5281E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5229E-06	0.00E+00
1341	ALL	547669.70	4193185.29	3.2015E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2894E-06	0.00E+00
1342	ALL	547769.70	4193185.29	3.2933E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3551E-06	0.00E+00
1343	ALL	544969.70	4189985.29	3.5234E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5196E-06	0.00E+00
1344	ALL	545169.70	4189985.29	4.2287E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0240E-06	0.00E+00
1345	ALL	545369.70	4189985.29	4.0746E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9138E-06	0.00E+00
1346	ALL	545569.70	4189985.29	4.3208E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0899E-06	0.00E+00
1347	ALL	545769.70	4189985.29	5.0155E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5866E-06	0.00E+00
1348	ALL	545969.70	4189985.29	5.6256E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0229E-06	0.00E+00
1349	ALL	546169.70	4189985.29	6.2936E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5006E-06	0.00E+00
1350	ALL	546369.70	4189985.29	6.2872E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4960E-06	0.00E+00
1351	ALL	546569.70	4189985.29	6.1391E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3901E-06	0.00E+00
1352	ALL	546769.70	4189985.29	5.9106E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2267E-06	0.00E+00
1353	ALL	546969.70	4189985.29	4.5473E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2518E-06	0.00E+00
1354	ALL	547169.70	4189985.29	3.2098E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2953E-06	0.00E+00
1355	ALL	547369.70	4189985.29	2.5721E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8393E-06	0.00E+00
1356	ALL	547569.70	4189985.29	2.4040E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7192E-06	0.00E+00
1357	ALL	547769.70	4189985.29	2.2561E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6134E-06	0.00E+00
1358	ALL	547969.70	4189985.29	1.9486E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3935E-06	0.00E+00
1359	ALL	548169.70	4189985.29	1.6849E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2049E-06	0.00E+00
1360	ALL	548369.70	4189985.29	1.6089E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1505E-06	0.00E+00
1361	ALL	548569.70	4189985.29	1.6702E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1944E-06	0.00E+00
1362	ALL	548769.70	4189985.29	1.7800E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2729E-06	0.00E+00
1363	ALL	548969.70	4189985.29	1.9021E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3602E-06	0.00E+00
1364	ALL	549169.70	4189985.29	1.8714E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3383E-06	0.00E+00
1365	ALL	544969.70	4190185.29	3.5836E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5627E-06	0.00E+00
1366	ALL	545169.70	4190185.29	4.8888E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4960E-06	0.00E+00
1367	ALL	545369.70	4190185.29	5.2740E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7715E-06	0.00E+00
1368	ALL	545569.70	4190185.29	5.3886E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8535E-06	0.00E+00
1369	ALL	545769.70	4190185.29	5.5759E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9874E-06	0.00E+00
1370	ALL	545969.70	4190185.29	6.0888E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3541E-06	0.00E+00
1371	ALL	548969.70	4190185.29	2.5336E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8118E-06	0.00E+00
1372	ALL	549169.70	4190185.29	2.4116E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7245E-06	0.00E+00
1373	ALL	544969.70	4190385.29	4.0180E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8733E-06	0.00E+00
1374	ALL	545169.70	4190385.29	4.7151E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3718E-06	0.00E+00
1375	ALL	545369.70	4190385.29	5.5881E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9961E-06	0.00E+00
1376	ALL	545569.70	4190385.29	6.2106E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4412E-06	0.00E+00
1377	ALL	545769.70	4190385.29	6.3862E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5668E-06	0.00E+00
1378	ALL	545969.70	4190385.29	6.7515E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.8281E-06	0.00E+00
1379	ALL	548769.70	4190385.29	3.2257E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3067E-06	0.00E+00
1380	ALL	548969.70	4190385.29	3.4934E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4982E-06	0.00E+00
1381	ALL	549169.70	4190385.29	3.6829E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6337E-06	0.00E+00
1382	ALL	544969.70	4190585.29	3.9650E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8354E-06	0.00E+00
1383	ALL	545169.70	4190585.29	4.6213E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3047E-06	0.00E+00
1384	ALL	545369.70	4190585.29	5.5114E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.9412E-06	0.00E+00
1385	ALL	545569.70	4190585.29	6.6760E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7740E-06	0.00E+00
1386	ALL	545769.70	4190585.29	7.5057E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3674E-06	0.00E+00
1387	ALL	545969.70	4190585.29	7.8341E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.6022E-06	0.00E+00
1388	ALL	547769.70	4190585.29	3.5025E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5047E-06	0.00E+00
1389	ALL	548769.70	4190585.29	4.6497E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.3251E-06	0.00E+00
1390	ALL	548969.70	4190585.29	4.5400E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2466E-06	0.00E+00
1391	ALL	549169.70	4190585.29	4.7626E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4058E-06	0.00E+00
1392	ALL	544969.70	4190785.29	3.7775E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7013E-06	0.00E+00
1393	ALL	545169.70	4190785.29	4.4835E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2062E-06	0.00E+00
1394	ALL	547569.70	4190785.29	5.0984E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6459E-06	0.00E+00
1395	ALL	547769.70	4190785.29	4.5032E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2202E-06	0.00E+00
1396	ALL	548969.70	4190785.29	6.4425E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6071E-06	0.00E+00
1397	ALL	549169.70	4190785.29	6.0447E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.3226E-06	0.00E+00
1398	ALL	544969.70	4190985.29	3.6228E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5907E-06	0.00E+00
1399	ALL	549169.70	4190985.29	7.1363E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1032E-06	0.00E+00
1400	ALL	544969.70	4191185.29	3.6032E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5767E-06	0.00E+00
1401	ALL	544969.70	4191385.29	3.6925E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6405E-06	0.00E+00
1402	ALL	544969.70	4191585.29	3.8021E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7189E-06	0.00E+00
1403	ALL	544969.70	4191785.29	3.8912E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7826E-06	0.00E+00
1404	ALL	548169.70	4191785.29	3.2887E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3517E-05	0.00E+00
1405	ALL	548369.70	4191785.29	2.4178E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7290E-05	0.00E+00
1406	ALL	544969.70	4191985.29	3.9954E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8572E-06	0.00E+00

1407	ALL	548169.70	4191985.29	3.2118E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2968E-05	0.00E+00
1408	ALL	548369.70	4191985.29	2.2056E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5773E-05	0.00E+00
1409	ALL	548569.70	4191985.29	1.6938E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2113E-05	0.00E+00
1410	ALL	548769.70	4191985.29	1.3188E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.4307E-06	0.00E+00
1411	ALL	544969.70	4192185.29	4.2094E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0102E-06	0.00E+00
1412	ALL	548169.70	4192185.29	2.1276E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5215E-05	0.00E+00
1413	ALL	548369.70	4192185.29	1.6563E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1844E-05	0.00E+00
1414	ALL	548569.70	4192185.29	1.3578E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	9.7094E-06	0.00E+00
1415	ALL	548769.70	4192185.29	1.0851E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.7593E-06	0.00E+00
1416	ALL	548969.70	4192185.29	8.8183E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.3060E-06	0.00E+00
1417	ALL	544969.70	4192385.29	4.1863E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9937E-06	0.00E+00
1418	ALL	548169.70	4192385.29	1.1932E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	8.5325E-06	0.00E+00
1419	ALL	548369.70	4192385.29	1.0509E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	7.5147E-06	0.00E+00
1420	ALL	548569.70	4192385.29	8.7619E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.2657E-06	0.00E+00
1421	ALL	548769.70	4192385.29	7.5392E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3913E-06	0.00E+00
1422	ALL	548969.70	4192385.29	6.8202E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.8772E-06	0.00E+00
1423	ALL	544969.70	4192585.29	3.7624E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6905E-06	0.00E+00
1424	ALL	548169.70	4192585.29	6.2029E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.4357E-06	0.00E+00
1425	ALL	548369.70	4192585.29	5.7581E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1177E-06	0.00E+00
1426	ALL	548569.70	4192585.29	5.6311E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0268E-06	0.00E+00
1427	ALL	548769.70	4192585.29	5.2465E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7518E-06	0.00E+00
1428	ALL	548969.70	4192585.29	4.9916E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5695E-06	0.00E+00
1429	ALL	544969.70	4192785.29	3.2421E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3185E-06	0.00E+00
1430	ALL	548169.70	4192785.29	3.7550E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6852E-06	0.00E+00
1431	ALL	548369.70	4192785.29	3.3295E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3809E-06	0.00E+00
1432	ALL	548569.70	4192785.29	3.4739E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4842E-06	0.00E+00
1433	ALL	548769.70	4192785.29	3.4480E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4657E-06	0.00E+00
1434	ALL	548969.70	4192785.29	3.5639E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5486E-06	0.00E+00
1435	ALL	549169.70	4192785.29	3.2166E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3002E-06	0.00E+00
1436	ALL	544969.70	4192985.29	2.8761E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0567E-06	0.00E+00
1437	ALL	548369.70	4192985.29	2.4182E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7293E-06	0.00E+00
1438	ALL	548569.70	4192985.29	2.5510E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8242E-06	0.00E+00
1439	ALL	548769.70	4192985.29	2.6461E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8923E-06	0.00E+00
1440	ALL	548969.70	4192985.29	2.4721E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7678E-06	0.00E+00
1441	ALL	549169.70	4192985.29	2.1717E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5530E-06	0.00E+00
1442	ALL	544969.70	4193185.29	2.6850E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9200E-06	0.00E+00
1443	ALL	548369.70	4193185.29	1.8401E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3159E-06	0.00E+00
1444	ALL	548569.70	4193185.29	1.9354E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3840E-06	0.00E+00
1445	ALL	548769.70	4193185.29	1.9229E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3751E-06	0.00E+00
1446	ALL	548969.70	4193185.29	1.8706E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3376E-06	0.00E+00
1447	ALL	549169.70	4193185.29	1.8136E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2970E-06	0.00E+00
1448	ALL	544969.70	4193385.29	2.5643E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8338E-06	0.00E+00
1449	ALL	546188.44	4193398.67	8.1218E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.8079E-06	0.00E+00
1450	ALL	546369.70	4193385.29	7.7945E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.5739E-06	0.00E+00
1451	ALL	546569.70	4193385.29	4.9307E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5260E-06	0.00E+00
1452	ALL	546769.70	4193385.29	7.7262E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.5250E-06	0.00E+00
1453	ALL	546969.70	4193385.29	5.3668E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8379E-06	0.00E+00
1454	ALL	547169.70	4193385.29	4.8467E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4659E-06	0.00E+00
1455	ALL	547369.70	4193385.29	3.8572E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7583E-06	0.00E+00
1456	ALL	547569.70	4193385.29	2.8669E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0501E-06	0.00E+00
1457	ALL	547769.70	4193385.29	2.3424E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6751E-06	0.00E+00
1458	ALL	547969.70	4193385.29	2.0058E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4344E-06	0.00E+00
1459	ALL	548169.70	4193385.29	1.9338E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3829E-06	0.00E+00
1460	ALL	548369.70	4193385.29	1.8076E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2926E-06	0.00E+00
1461	ALL	548569.70	4193385.29	1.7052E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2194E-06	0.00E+00
1462	ALL	548769.70	4193385.29	1.6910E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2093E-06	0.00E+00
1463	ALL	549169.70	4193385.29	1.4598E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0439E-06	0.00E+00
1464	ALL	544969.70	4193585.29	2.4812E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7743E-06	0.00E+00
1465	ALL	545565.16	4193826.27	4.3870E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1372E-06	0.00E+00
1466	ALL	545662.08	4193732.55	4.8664E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4800E-06	0.00E+00
1467	ALL	545930.35	4193668.29	5.7410E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1054E-06	0.00E+00
1468	ALL	545987.11	4193581.27	6.3046E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.5085E-06	0.00E+00
1469	ALL	546169.70	4193585.29	5.8170E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.1597E-06	0.00E+00
1470	ALL	546369.70	4193585.29	5.2842E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.7788E-06	0.00E+00
1471	ALL	546569.70	4193585.29	3.5983E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5732E-06	0.00E+00
1472	ALL	546769.70	4193585.29	4.4052E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1502E-06	0.00E+00
1473	ALL	546969.70	4193585.29	3.6143E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5846E-06	0.00E+00
1474	ALL	547169.70	4193585.29	3.1988E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2875E-06	0.00E+00
1475	ALL	547369.70	4193585.29	2.8845E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0627E-06	0.00E+00
1476	ALL	547569.70	4193585.29	2.0855E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4913E-06	0.00E+00
1477	ALL	547769.70	4193585.29	1.8144E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2975E-06	0.00E+00
1478	ALL	547969.70	4193585.29	1.6740E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1971E-06	0.00E+00
1479	ALL	548169.70	4193585.29	1.6742E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1972E-06	0.00E+00
1480	ALL	548369.70	4193585.29	2.5511E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8243E-06	0.00E+00
1481	ALL	548569.70	4193585.29	1.9244E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3762E-06	0.00E+00



1482	ALL	548769.70	4193585.29	1.7597E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2583E-06	0.00E+00
1483	ALL	549169.70	4193585.29	1.2574E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	8.9919E-07	0.00E+00
1484	ALL	544969.70	4193785.29	2.4618E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7605E-06	0.00E+00
1485	ALL	545504.92	4193909.79	4.0991E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9313E-06	0.00E+00
1486	ALL	545569.70	4193785.29	4.4678E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.1949E-06	0.00E+00
1487	ALL	545769.70	4193785.29	5.0417E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.6054E-06	0.00E+00
1488	ALL	545969.70	4193785.29	4.9994E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.5751E-06	0.00E+00
1489	ALL	546169.70	4193785.29	3.6144E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5847E-06	0.00E+00
1490	ALL	546369.70	4193785.29	3.3213E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3751E-06	0.00E+00
1491	ALL	546569.70	4193785.29	3.0176E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1579E-06	0.00E+00
1492	ALL	546769.70	4193785.29	2.9203E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0883E-06	0.00E+00
1493	ALL	546969.70	4193785.29	2.6521E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8965E-06	0.00E+00
1494	ALL	547169.70	4193785.29	2.2341E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5976E-06	0.00E+00
1495	ALL	547369.70	4193785.29	1.8355E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3126E-06	0.00E+00
1496	ALL	547569.70	4193785.29	2.0338E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4544E-06	0.00E+00
1497	ALL	547769.70	4193785.29	1.8235E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3040E-06	0.00E+00
1498	ALL	547969.70	4193785.29	1.6276E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1639E-06	0.00E+00
1499	ALL	548169.70	4193785.29	1.5094E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0794E-06	0.00E+00
1500	ALL	548369.70	4193785.29	2.1088E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5080E-06	0.00E+00
1501	ALL	548569.70	4193785.29	2.0906E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4950E-06	0.00E+00
1502	ALL	549169.70	4193785.29	1.1710E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	8.3737E-07	0.00E+00
1503	ALL	54969.70	4193985.29	2.5160E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7992E-06	0.00E+00
1504	ALL	545169.70	4193985.29	3.0595E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1879E-06	0.00E+00
1505	ALL	545369.70	4193985.29	3.8696E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7672E-06	0.00E+00
1506	ALL	545569.70	4193985.29	4.0738E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9132E-06	0.00E+00
1507	ALL	545769.70	4193985.29	3.2961E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3571E-06	0.00E+00
1508	ALL	545969.70	4193985.29	3.7007E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6464E-06	0.00E+00
1509	ALL	546169.70	4193985.29	2.8363E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0283E-06	0.00E+00
1510	ALL	546369.70	4193985.29	2.2483E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6077E-06	0.00E+00
1511	ALL	546569.70	4193985.29	2.1860E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5632E-06	0.00E+00
1512	ALL	546769.70	4193985.29	2.2073E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5785E-06	0.00E+00
1513	ALL	546969.70	4193985.29	2.3876E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7074E-06	0.00E+00
1514	ALL	547169.70	4193985.29	2.3164E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6564E-06	0.00E+00
1515	ALL	547369.70	4193985.29	1.9588E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4007E-06	0.00E+00
1516	ALL	547569.70	4193985.29	2.1798E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5588E-06	0.00E+00
1517	ALL	547769.70	4193985.29	2.1351E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5268E-06	0.00E+00
1518	ALL	547969.70	4193985.29	1.5404E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1016E-06	0.00E+00
1519	ALL	548169.70	4193985.29	1.3564E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	9.6998E-07	0.00E+00
1520	ALL	548369.70	4193985.29	1.3832E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	9.8911E-07	0.00E+00
1521	ALL	548569.70	4193985.29	1.8617E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3313E-06	0.00E+00
1522	ALL	549169.70	4193985.29	1.1640E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	8.3240E-07	0.00E+00
1523	ALL	54969.70	4194185.29	2.5890E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8514E-06	0.00E+00
1524	ALL	545169.70	4194185.29	3.0492E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1805E-06	0.00E+00
1525	ALL	545369.70	4194185.29	3.1303E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2385E-06	0.00E+00
1526	ALL	545569.70	4194185.29	3.5568E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5435E-06	0.00E+00
1527	ALL	545769.70	4194185.29	3.1215E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2322E-06	0.00E+00
1528	ALL	545969.70	4194185.29	2.2444E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6050E-06	0.00E+00
1529	ALL	546169.70	4194185.29	2.0282E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4504E-06	0.00E+00
1530	ALL	546369.70	4194185.29	1.9651E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4053E-06	0.00E+00
1531	ALL	546569.70	4194185.29	2.0717E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.4815E-06	0.00E+00
1532	ALL	546769.70	4194185.29	2.5592E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8301E-06	0.00E+00
1533	ALL	546969.70	4194185.29	2.1510E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5382E-06	0.00E+00
1534	ALL	547169.70	4194185.29	2.7129E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9400E-06	0.00E+00
1535	ALL	547369.70	4194185.29	2.5095E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7945E-06	0.00E+00
1536	ALL	547569.70	4194185.29	2.3952E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7128E-06	0.00E+00
1537	ALL	547769.70	4194185.29	2.2536E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6115E-06	0.00E+00
1538	ALL	547969.70	4194185.29	1.8167E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.2991E-06	0.00E+00
1539	ALL	548169.70	4194185.29	1.5680E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1213E-06	0.00E+00
1540	ALL	548369.70	4194185.29	1.5228E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0889E-06	0.00E+00
1541	ALL	548569.70	4194185.29	1.5650E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1191E-06	0.00E+00
1542	ALL	548769.70	4194185.29	1.5431E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.1035E-06	0.00E+00
1543	ALL	548969.70	4194185.29	1.3998E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	1.0010E-06	0.00E+00
1544	ALL	549169.70	4194185.29	1.1852E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	8.4756E-07	0.00E+00
1545	ALL	547203.58	4191939.39	7.5167E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.3752E-04	0.00E+00
1546	ALL	547172.74	4191937.87	8.8979E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	6.3629E-04	0.00E+00
1547	ALL	547162.46	4191928.16	8.3874E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9979E-04	0.00E+00
1548	ALL	547217.28	4191933.11	6.6382E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	4.7470E-04	0.00E+00
1549	ALL	546936.70	4192048.73	2.2165E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5850E-03	0.00E+00
1550	ALL	546941.55	4192064.72	2.6251E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8772E-03	0.00E+00
1551	ALL	546933.65	4192035.58	1.9322E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.3817E-03	0.00E+00
1552	ALL	546971.94	4192053.08	5.9101E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2263E-03	0.00E+00
1553	ALL	546967.20	4192034.85	3.9695E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	2.8386E-03	0.00E+00
1554	ALL	546941.55	4192064.72	2.6251E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8772E-03	0.00E+00
1555	ALL	546987.96	4192025.48	5.3560E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	3.8301E-03	0.00E+00
1556	ALL	546960.62	4192106.25	3.6312E-06	1.62YrCancerHighEnd_InhSoilDermMMilk	2.5967E-03	0.00E+00

1557	ALL	546230.98	4193349.56	8.7300E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.2429E-06	0.00E+00
1558	ALL	546434.10	4192594.25	2.4149E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7269E-05	0.00E+00
1559	ALL	546574.98	4192542.42	3.7830E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7052E-05	0.00E+00
1560	ALL	546543.80	4192584.41	3.3058E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3640E-05	0.00E+00
1561	ALL	546511.23	4192548.11	3.1048E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.2203E-05	0.00E+00
1562	ALL	546481.75	4192574.79	2.7926E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9970E-05	0.00E+00
1563	ALL	546516.64	4192608.87	2.9978E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.1438E-05	0.00E+00
1564	ALL	546410.82	4192562.26	2.3163E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6564E-05	0.00E+00
1565	ALL	546445.69	4192615.23	2.4608E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7597E-05	0.00E+00
1566	ALL	546424.58	4192574.24	2.3832E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7043E-05	0.00E+00
1567	ALL	546459.41	4192606.09	2.5691E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8372E-05	0.00E+00
1568	ALL	546404.93	4192539.23	2.3202E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6592E-05	0.00E+00
1569	ALL	546403.62	4192521.30	2.3469E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.6783E-05	0.00E+00
1570	ALL	546403.88	4192490.71	2.4163E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7279E-05	0.00E+00
1571	ALL	546556.25	4192402.25	4.1747E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9853E-05	0.00E+00
1572	ALL	546452.31	4192451.58	2.8632E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.0475E-05	0.00E+00
1573	ALL	546484.58	4192421.79	3.2544E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3272E-05	0.00E+00
1574	ALL	546516.53	4192405.35	3.6627E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.6192E-05	0.00E+00
1575	ALL	546445.69	4192615.23	2.4608E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7597E-05	0.00E+00
1576	ALL	546434.62	4192464.30	2.6906E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	1.9241E-05	0.00E+00
1577	ALL	546509.09	4192361.60	3.8069E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.7224E-05	0.00E+00
1578	ALL	546531.43	4192357.88	4.1180E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	2.9448E-05	0.00E+00
1579	ALL	546555.94	4192353.85	4.5129E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.2272E-05	0.00E+00
1580	ALL	546593.79	4192393.56	4.8083E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4385E-05	0.00E+00
1581	ALL	546549.00	4192300.50	4.7998E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	3.4324E-05	0.00E+00
1582	ALL	546598.32	4192314.47	5.6602E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0476E-05	0.00E+00
1583	ALL	546629.44	4192275.44	7.0087E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0120E-05	0.00E+00
1584	ALL	546603.33	4192256.72	6.5382E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6755E-05	0.00E+00
1585	ALL	546656.34	4192316.85	7.0637E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.0513E-05	0.00E+00
1586	ALL	549162.47	4191414.27	9.3246E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.6681E-06	0.00E+00
1587	ALL	549162.47	4191614.27	9.6909E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.9301E-06	0.00E+00
1588	ALL	549162.47	4191814.27	9.4234E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.7388E-06	0.00E+00
1589	ALL	549162.47	4192014.27	8.5170E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.0906E-06	0.00E+00
1590	ALL	549162.47	4192214.27	7.1383E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	5.1046E-06	0.00E+00
1591	ALL	549162.47	4192414.27	5.6090E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	4.0110E-06	0.00E+00
1592	ALL	549162.47	4192614.27	4.2073E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0087E-06	0.00E+00
1593	ALL	549174.33	4191227.80	8.4420E-09	1.62YrCancerHighEnd_InhSoilDermMMilk	6.0369E-06	0.00E+00
1594	ALL	546675.38	4192296.21	8.0669E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.7687E-05	0.00E+00
1595	ALL	546690.59	4192284.10	8.9326E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.3878E-05	0.00E+00
1596	ALL	546654.89	4192252.13	8.3451E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.9676E-05	0.00E+00
1597	ALL	546679.73	4192217.67	1.0664E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.6255E-05	0.00E+00
1598	ALL	546691.84	4192207.11	1.2159E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.6947E-05	0.00E+00
1599	ALL	546644.65	4192204.94	9.0512E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	6.4726E-05	0.00E+00
1600	ALL	546667.93	4192163.34	1.1465E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	8.1989E-05	0.00E+00
1601	ALL	546629.75	4192223.57	7.9972E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.7189E-05	0.00E+00
1602	ALL	546581.94	4192217.05	6.5422E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.6783E-05	0.00E+00
1603	ALL	546642.16	4192111.50	1.0453E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	7.4750E-05	0.00E+00
1604	ALL	546599.01	4192198.11	7.3774E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	5.2756E-05	0.00E+00
1605	ALL	546553.69	4192196.25	5.9017E-08	1.62YrCancerHighEnd_InhSoilDermMMilk	4.2204E-05	0.00E+00
1606	ALL	547323.21	4192120.20	3.3168E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3719E-04	0.00E+00
1607	ALL	547351.37	4192083.23	3.2486E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3231E-04	0.00E+00
1608	ALL	547354.73	4192061.68	3.3841E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.4200E-04	0.00E+00
1609	ALL	547363.04	4192047.76	3.3188E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	2.3733E-04	0.00E+00
1610	ALL	547379.87	4192107.92	2.5471E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.8214E-04	0.00E+00
1611	ALL	547377.40	4192123.85	2.4161E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.7278E-04	0.00E+00
1612	ALL	547359.14	4192162.58	2.1826E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	1.5608E-04	0.00E+00
1613	ALL	547329.93	4192004.44	4.2432E-07	1.62YrCancerHighEnd_InhSoilDermMMilk	3.0343E-04	0.00E+00



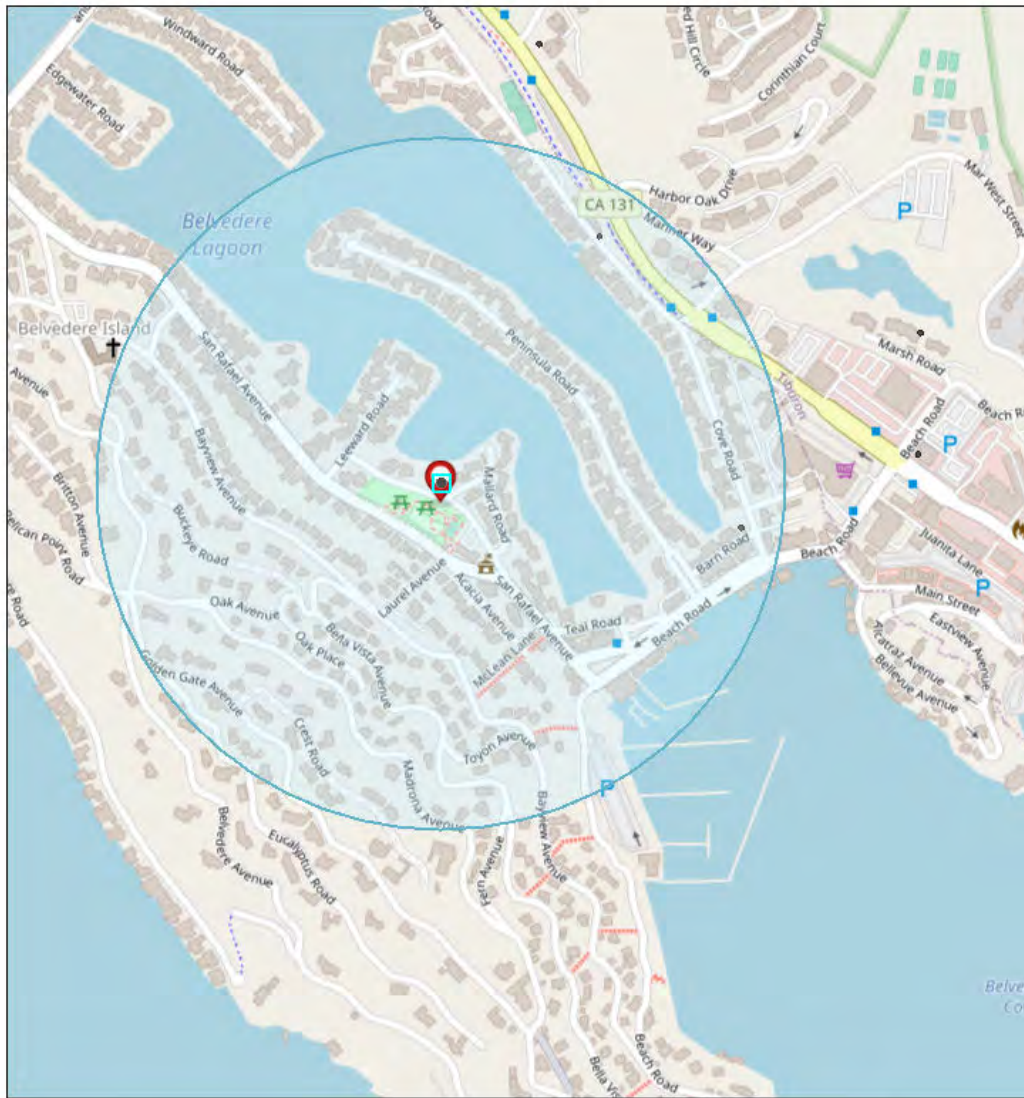


# Screening Report for Construction MIR

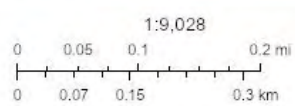
## Area of Interest (AOI) Information

Area : 7,052,644.74 ft<sup>2</sup>

Oct 13 2022 20:10:51 Pacific Daylight Time



- Permitted Stationary Sources



Map data © OpenStreetMap contributors. CC-BY-SA

## Summary

Name	Count	Area(ft <sup>2</sup> )	Length(ft)
Permitted Stationary Sources	2	N/A	N/A

## Permitted Stationary Sources

#	FacID	FacName	Address	City	Street
1	23998	Sanitary District #5 of Marin County	Cove, Rd Pump Station	Tiburon	CA
2	100555_1	City of Belvedere	85 Lagoon Rd	Belvedere	CA

#	Zip	County	Latitude	Longitude	Details
1	94,920.00	Marin	37.87	-122.46	Generator
2	94,920.00	Marin	37.88	-122.46	Gas Dispensing Facility

#	NAICS	Sector	Sub_Sector	Industry	ChronicHI
1	221,320.00	Utilities	Utilities	Sewage Treatment Facilities	0.0000193
2	921,190.00	Public Administration	Executive, Legislative, and Other General Government Support	Other General Government Support	0.0003869

#	PM2_5	Cancer Risk {expression/expr0}	Chronic Hazard Index {expression/expr1}	PM2.5 {expression/expr2}	Count
1	0.0000938	0.003	0	0	1
2	0.0000000	0.081	0	No Data	1

NOTE: A larger buffer than 1000 feet may be warranted depending on proximity to significant sources.

# Roadway Screening Analysis Calculator

County specific tables containing estimates of risk and hazard impacts from roadways in the Bay Area.

## INSTRUCTIONS:

Input the site-specific characteristics of your project by using the drop down menu in the "Search Parameter" box. We recommend that this analysis be used for roadways with 10,000 AADT and above.

- **County:** Select the County where the project is located. The calculator is only applicable for projects within the nine Bay Area counties.
- **Roadway Direction:** Select the orientation that best matches the roadway. If the roadway orientation is neither clearly north-south nor east-west, use the highest values predicted from either orientation.
- **Side of the Roadway:** Identify on which side of the roadway the project is located.
- **Distance from Roadway:** Enter the distance in feet from the nearest edge of the roadway to the project site. The calculator estimates values for distances greater than 10 feet and less than 1000 feet. For distances greater than 1000 feet, the user can choose to extrapolate values using a distribution curve or apply 1000 feet values for greater distances.
- **Annual Average Daily Traffic (ADT):** Enter the annual average daily traffic on the roadway. These data may be collected from the city or the county (if the area is unincorporated).

When the user has completed the data entries, the screening level PM2.5 annual average concentration and the cancer risk results will appear in the Results Box on the right. Please note that the roadway tool is not applicable for California State Highways and the District refers the user to the Highway Screening Analysis Tool at: <http://www.baaqmd.gov/Divisions/Planning-and-Research/CEQA-GUIDELINES/Tools-and-Methodology.aspx>.

Notes and References listed below the Search Boxes

Search Parameters	Results
County: <input type="text" value="Marin"/>	<h2>Marin County</h2> <p><b>EAST-WEST DIRECTIONAL ROADWAY</b></p> <p><b>PM2.5 annual average</b></p> <p><b>0.0203</b> (<math>\mu\text{g}/\text{m}^3</math>)</p> <p><b>Cancer Risk</b></p> <p><b>1.29</b> (per million)</p> <p>Data for Marin County based on meteorological data collected from Mt. Tamalpias in 2005</p>
Roadway Direction: <input type="text" value="East-West"/>	
Side of the Roadway: <input type="text" value="South"/>	
Distance from Roadway: <input type="text" value="1000"/> feet	
Annual Average Daily Traffic (ADT): <input type="text" value="18,720"/>	

### Notes and References:

1. Emissions were developed using EMFAC2011 for fleet mix in 2014 assuming 10,000 AADT and includes impacts from diesel and gasoline vehicle exhaust, brake and tire wear, and resuspended dust.
2. Roadways were modeled using CALINE4 air dispersion model assuming a source length of one kilometer. Meteorological data used to estimate the screening values are noted at the bottom of the "Results" box.
3. Cancer risks were estimated for 70 year lifetime exposure starting in 2014 that includes sensitivity values for early life exposures and OEHHA toxicity values adopted in 2013.

Adjustment factor to account for updated OEHHA Guidance: 1.3744

**Adjusted Cancer Risk: 1.772**