

DOCKETED

| | |
|-------------------------|--|
| Docket Number: | 21-AFC-02 |
| Project Title: | Gem Energy Storage Center |
| TN #: | 242778 |
| Document Title: | Att DA51-1 - Revised AFC Section Public Health |
| Description: | N/A |
| Filer: | Elizabeth Diaz |
| Organization: | Golder Associates |
| Submitter Role: | Applicant Consultant |
| Submission Date: | 4/25/2022 2:47:11 PM |
| Docketed Date: | 4/25/2022 |



Section 5.9 Public Health - Revision 1

Gem Energy Storage Center

Submitted to:

Eastern Kern Air Pollution Control District

Submitted by:

Golder Associates Inc.

1000 Enterprise Way, Suite 190
Roseville, CA 95678

+1 916 786-2424

20449449

March 2022

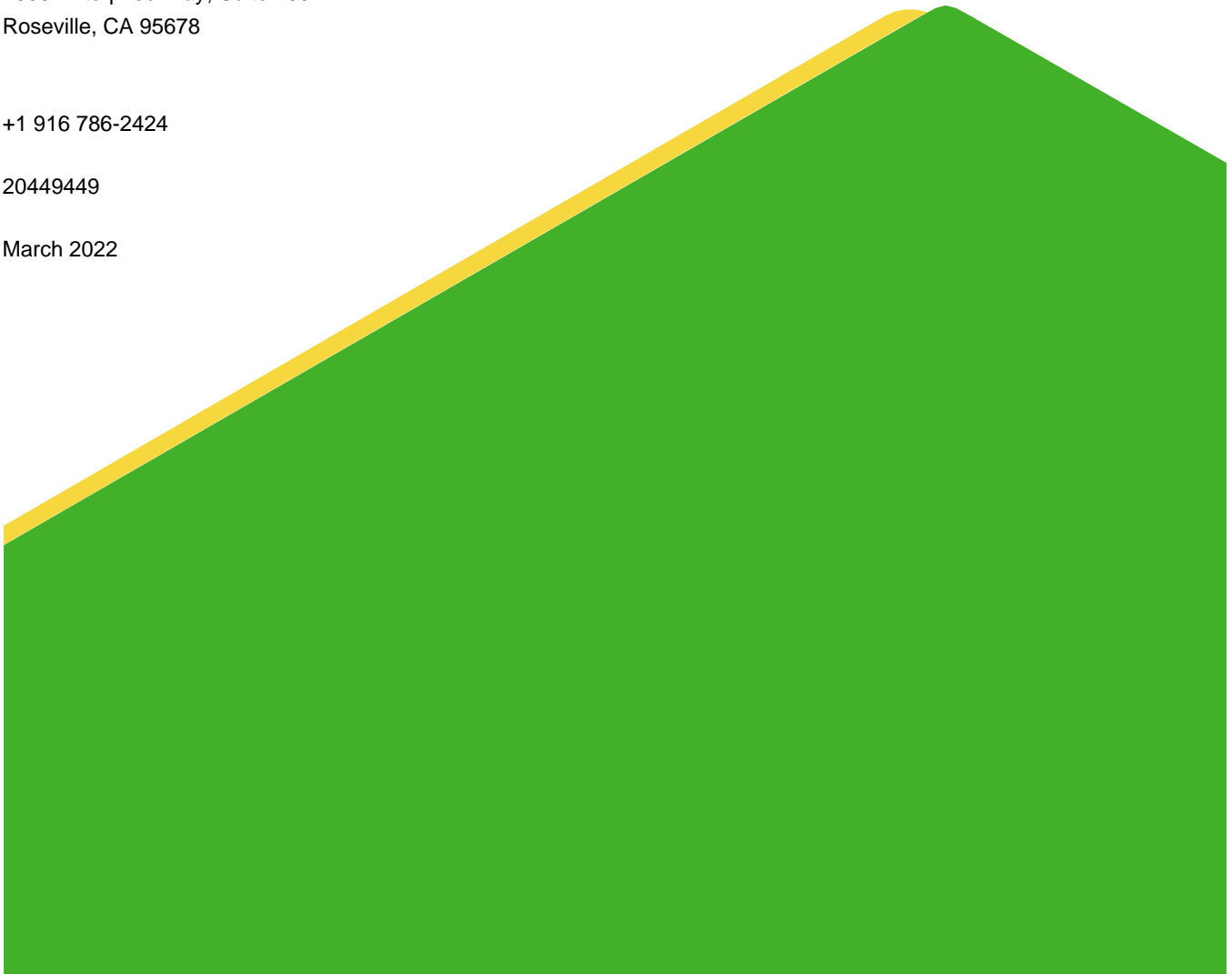


Table of Contents

| | | |
|-----------|---|----|
| 5.9 | Public Health | 1 |
| 5.9.1 | Affected Environment..... | 1 |
| 5.9.2 | Environmental Analysis..... | 5 |
| 5.9.2.1 | Significant Criteria | 5 |
| 5.9.2.1.1 | Cancer Risk | 5 |
| 5.9.2.1.2 | Non-Cancer Risk..... | 5 |
| 5.9.2.2 | Construction and Commissioning Phase Effects | 6 |
| 5.9.2.3 | Operational Phase Effects | 6 |
| 5.9.2.4 | Public Health Effect Study Methods..... | 10 |
| 5.9.2.5 | Characterization of Risks from Toxic Air Pollutants | 12 |
| 5.9.2.6 | Hazardous Materials | 20 |
| 5.9.2.7 | Odors..... | 20 |
| 5.9.2.8 | Electromagnetic Field Exposure | 20 |
| 5.9.2.9 | Legionella | 21 |
| 5.9.2.10 | Summary of Effects..... | 21 |
| 5.9.3 | Cumulative Effects | 21 |
| 5.9.4 | Mitigation Measures | 21 |
| 5.9.4.1 | Criteria Pollutants..... | 22 |
| 5.9.4.1.1 | Toxic Pollutants..... | 22 |
| 5.9.4.1.2 | Legionella Mitigation Measure | 22 |
| 5.9.4.2 | Hazardous Materials | 22 |
| 5.9.5 | Laws, Ordinances, Regulations, and Standards..... | 23 |
| 5.9.5.1 | Federal LORS | 23 |
| 5.9.5.2 | State LORS | 23 |
| 5.9.5.3 | EKAPCD LORS..... | 23 |
| 5.9.5.4 | Permits Required and Schedule | 24 |
| 5.9.5.5 | Agencies Involved and Agency Contacts..... | 24 |

5.9.6 References25

TABLES

Table 5.9-1: HRA Receptors3
Table 5.9-2: Gem Emission Sources for Operation Phase7
Table 5.9-3: Chemical Substances Potentially Emitted to the Air from the Gem9
Table 5.9-4: Toxic Pollutant Emissions Estimates for Operation Phase9
Table 5.9-5: Toxicity Values Used to Characterize Health Risks (Inhalation)11
Table 5.9-6: Health Effects Significant Threshold Levels for EKAPCD12
Table 5.9-7: Health Risk Assessment Summary13
Table 5.9-8: Agency Contacts for Public Health24

FIGURES

Figure 5.9-1: Location of Receptors for Health Risk Assessment: Location of Receptors for Health Risk Assessment4
Figure 5.9-2: Location of Gem Emission Sources during Operation Phase8
Figure 5.9-3: 30-Year Cancer Isopleths and Locations for PMI, MEIR, and Maximum Sensitive Receptor15
Figure 5.9-4: 25-Year Cancer Location of MEIW16
Figure 5.9-5: Annual Chronic Hazard Locations for PMI, MEIR, MEIW and Maximum Sensitive Receptor17
Figure 5.9-6: Acute Hazard Index Locations of PMI, MEIR, MEIW, and Maximum Sensitive Receptor18

APPENDICES

APPENDIX 5.9A

List of Receptors

APPENDIX 5.9B

Emission Inventory and Screening HRA for Construction Phase

APPENDIX 5.9C

Detailed Emission Calculations of Air Toxic Pollutants for Operation Phase

APPENDIX 5.9D

HRA Methodology and Model Options and Parameters

APPENDIX 5.9E

Detailed HRA Results for Operation Phase

APPENDIX 5.9F

Electronic Modeling Files (submitted electronically)

GLOSSARY TERMS OR ABBREVIATIONS

| | |
|-----------------|---|
| A-CAES | Advanced compressed air energy storage |
| ADMRT | Air Dispersion Modeling and Risk Tool |
| AERMOD | American Meteorological Society/Environmental Protection Agency Regulatory Model |
| APCD | Air Pollution Control District |
| ARB | Air Resources Board |
| BACT | Best Available Control Technology |
| BPIP | Building profile input file. |
| CAA | Clean Air Act |
| CCR | California Code of Regulations |
| CHSC | California Health & Safety Code |
| CAS Number | A unique numerical identifier assigned by Chemical Abstracts Service to every chemical. |
| CARB | California Air Resources Board |
| CAAQS | California Ambient Air Quality Standards |
| CCR | California Code of Regulations |
| CEC | California Energy Commission |
| CFR | Code of Federal Regulations |
| CO | Carbon monoxide |
| CO ₂ | Carbon dioxide |
| CTI | Cooling Tower Institute |
| EKAPCD | Eastern Kern APCD |
| EMFs | Electromagnetic fields |
| EPA | Environmental Protection Agency |
| GESC or Gem | Gem Energy Storage Center |
| GLC | Ground-Level Concentration |
| HAPs | Hazardous air pollutants |
| HARP | Hotspots Analysis and Reporting Program |
| HRA | Health Risk Assessment |
| LORS | Laws, Ordinances, and Regulations |
| MEIR | Maximum exposed individual resident |
| MEIW | Maximum exposed individual worker |
| MW | Megawatt |
| NAAQS | National Ambient Air Quality Standards |
| NIEHS | National Institute of Environmental Health Sciences |
| NO _x | Nitrogen oxides |

| | |
|------------------|---|
| NO ₂ | Nitrogen dioxide |
| N ₂ O | Nitrous oxide |
| NSR | New Source Review |
| OEHHA | Office of Environmental Health Hazard Assessment |
| PM | Particulate matter |
| PMI | Point of maximum impact |
| RELs | Reference exposure levels UTM – Universal Transverse Mercator |
| RMP | Risk Management Plan |
| SAC | Surface Air Cooler |
| TBACT | Best Available Control Technology for Toxics |
| VOCs | Volatile organic compounds |
| TAC | Toxic Air Contaminants |
| TPY | Tons per year |
| ZOI | Zone of Impact |

5.9 Public Health

This section discusses activities that could potentially affect public health as they relate to the construction and operation of the Gem Energy Storage Center (GESC or Gem). A Health Risk Assessment (HRA) was performed to assess potential effects and public exposure associated with airborne emissions from the GESC. Section 5.9.1 describes the affected environment. Section 5.9.2 presents an environmental analysis of the operation of the power facility and associated facilities. Section 5.9.3 discusses cumulative effects. Section 5.9.4 discusses mitigation measures. Section 5.9.5 presents applicable Laws, Ordinances, and Regulations (LORS), permit requirements, schedules, and agency contacts. Section 5.9.6 contains references cited or consulted in preparing this section. Appendices 5.9A to 5.9F contain the HRA support data.

The GESC will be a 500-megawatt (MW) Advanced Compressed Air Energy Storage (A-CAES) process that includes above-ground electric air compression and power generation equipment, an underground air storage cavern, heat exchangers, and two diesel fuel-fired internal combustion engines driving emergency generators with an approximate output of up to 5MW each. The Facility will be restricted to the public with security fencing surrounding the perimeter. A detailed description of the GESC is presented in Section 2, Project Description.

Air will be the dominant pathway for public exposure to chemical substances released by the Gem Energy Storage Center. Emissions to the air will consist primarily of combustion by-products produced by two internal combustion engines driving emergency generators. Potential health risks from combustion emissions will occur almost entirely by direct inhalation. To be conservative, additional pathways were included in the health risk modeling. The HRA was conducted following the guidelines established by the California Office of Environmental Health Hazard Assessment (OEHHA) and the California Air Resources Board (CARB).

Combustion byproducts with established California Ambient Air Quality Standards (CAAQS) or National Ambient Air Quality Standards (NAAQS), including nitrogen oxides (NO_x), carbon monoxide (CO), and fine particulate matter (PM₁₀/PM_{2.5}) are addressed in Section 5.1, Air Quality. However, some discussion of the potential health risks associated with these substances is presented in this section. Human health risks associated with the potential accidental release of stored acutely hazardous materials, if applicable, are discussed in Section 5.5, Hazardous Materials.

5.9.1 Affected Environment

The GESC will be located in Kern County within the Eastern Kern Air Pollution Control District. The Gem site is located at the intersection of Sweetser Road and Tehachapi Willow Spring Road to the northeast of Willow Springs, California.

The Gem site is situated in Kern County census tract 55.06, which has a population value of 1,377 individuals per the 2015 ACS 5-year estimate from the United States Census Bureau. Section 2, Project Description contains a detailed project description, location maps, and other related technical data.

The 2019 Annual AB2588 Air Toxics Report for Eastern Kern APCD (EKAPCD) dated September 3, 2020, identifies that there are no Category 1 (high-level risk) facilities in the EKAPCD which indicate a cancer risk exceeding 10 per million or a total hazard index exceeding 1.0. Twelve (12) facilities are listed as Category 2 (intermediate level risk) and 12 facilities are listed as Category 3 (low-level risk). No facilities have been required to prepare a risk reduction and audit plans.

The Eastern Kern APCD 2018-2019 Information Report indicates that the number of days above the state 1-hr ozone standard has decreased since the 2001-2003 timeframe. Average concentrations of PM₁₀ and PM_{2.5} remain relatively unchanged in recent years.

The Kern County Community Health Assessment and Improvement Plan (2018-2019) was reviewed for public health concerns as they relate to the Gem project. Air quality is reported to be a health concern caused by the unique geography of Kern County and is listed as one of the top challenges for the county. The overall trend is reported to be improving, noting policies such as “no burn” days and promotion of carpooling contributing to the improving air quality. Asthma is also noted as being a problem in Kern County due to poor air quality.

No additional public health studies related to respiratory illnesses, cancers, or related diseases within a 6-mile radius of the GESC site were identified within the last 5 years.

Receptors

For this HRA, six types of receptors were used. The receptor grid was created to cover the area of 10,000 meters (m) x 10,000 (m), centered at UTM coordinate (382,400 mE, 3,861,700 mN), The modeling domain is sufficiently large to include both the cancer risk and non-cancer risk Zone of Impact (ZOI). The ZOI for cancer risk is assumed to be all receptors within 1 in a million isopleth (70-year exposure).

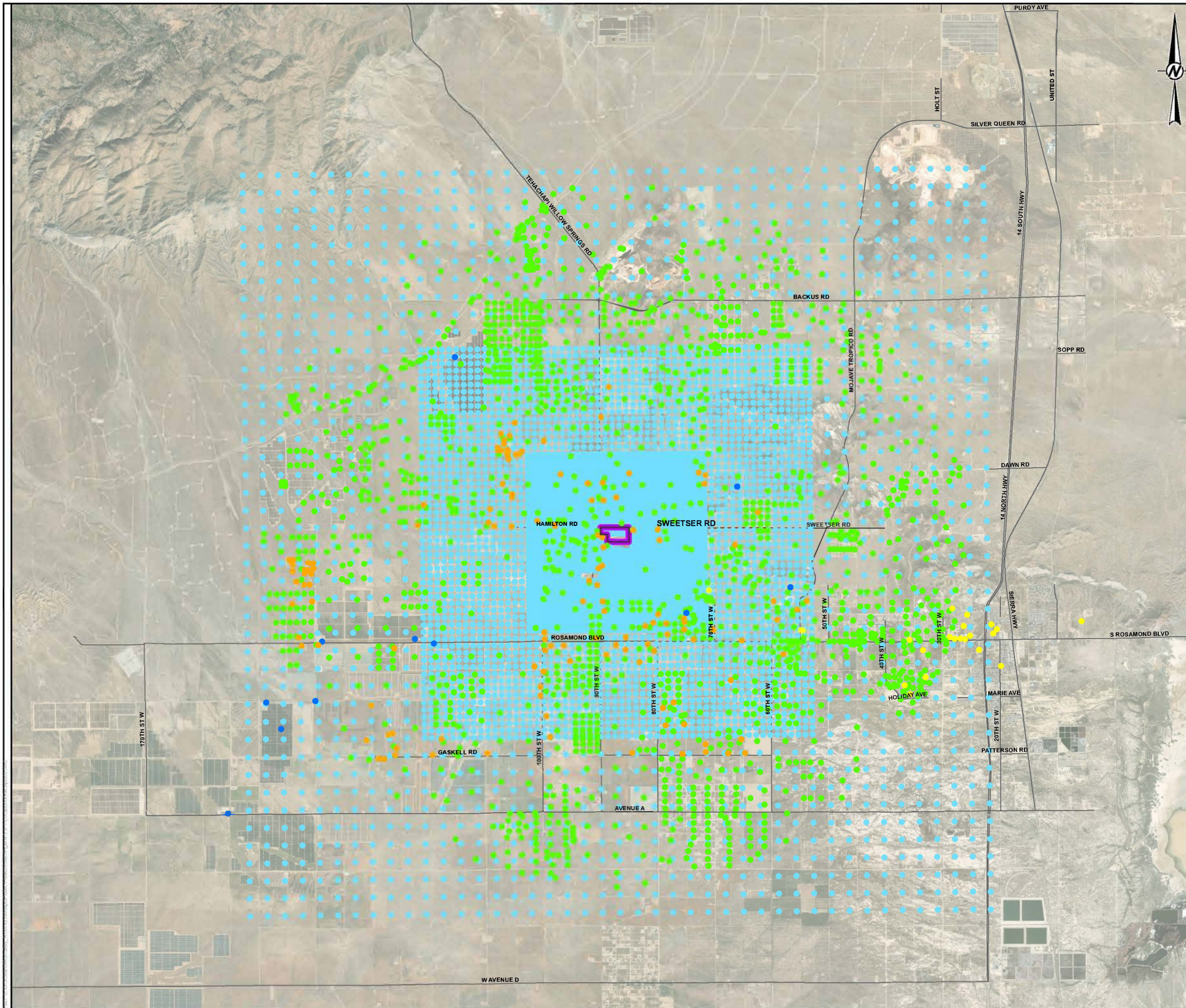
- Fenceline Receptors: Receptors are placed on the property line of the facility. The receptors were placed 10 m apart.
- Cartesian Grid receptor spacing includes:
 - 50 m spacing from fence line out to 500 m
 - 100 m spacing from 500 m to 2,000 m
 - 200 m spacing from 2,000 m to 5,000 m
 - 500 m spacing from 5,000 m to 10,000m
- Sensitive Receptors: Sensitive receptors were placed where the population is potentially more susceptible to adverse effects from emitted pollutants. Based on the Office of Environmental Health Hazard Assessment-OEHHA’s Risk Assessment Guidelines, sensitive receptor locations include schools [kindergarten through grade 12 (K-12)], daycare centers, nursing homes, retirement homes, health clinics, hospitals, playgrounds, and athletic facilities. Twenty-two (22) sensitive receptors were identified within 10 kilometers (km) of the GESC.
- Residential Receptors: Discrete receptors were located at the nearest residences to the Gem site. Google Maps was used to identify the locations of residential receptors.
- Worker Receptors: Discrete receptors were located at the buildings of industries, companies, where workers would be present. Google Maps was used to identify the locations of worker receptors.
- Population (census) Receptors: These receptors were placed to represent population centroids. HARP has a database that can export population centroid receptors and their corresponding populations to a csv file. Population receptors within 10 km of The GESC were exported from HARP and imported into AERMOD as discrete receptors.

A total of 9,621 receptors were included in one combined AERMOD and HARP run. Table 5.9-1 shows the distribution of the six types of receptors mentioned above.

Table 5.9-1: HRA Receptors

| Receptor # | ID | Type of Receptor | Number of Receptors |
|--------------|--------------------------|-----------------------|---------------------|
| 1 to 22 | SR-GEM-01 to SR-GEM-22 | Sensitive Receptors | 22 |
| 23 to 157 | RD-GEM-01 to RD-GEM-135 | Residential Receptors | 135 |
| 158 to 168 | WR-GEM-01 to WR-GEM-11 | Worker Receptors | 11 |
| 169 to 413 | FC-GEM-01 to FC-GEM-245 | Fenceline Receptors | 245 |
| 414 to 7916 | GR-GEM-01 to GR-GEM-7503 | Grid Receptors | 7,503 |
| 7917 to 9621 | CS-GEM-01 to CS-GEM-1705 | Population Receptors | 1,705 |

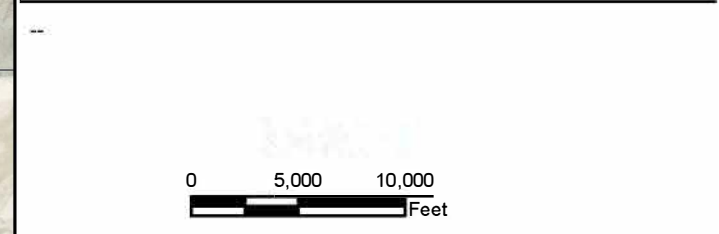
The nearest residential receptor is RD-GEM-06 located approximately 70 m from the property line of the GESC. The nearest worker receptor WR-GEM-11 (Willow Springs International Raceway) is approximately 2.6 km from the property line of the GESC. The nearest sensitive receptor SR-GEM-21 (Walt James Stadium) is approximately 1.6 miles from the GESC site. Figure 5.9-1 shows the location of the fence line, grid, sensitive, residential, worker, and population receptors within a 10km radius of the site. All receptors included in this analysis are presented in Appendix 5.9A.



LEGEND

- SENSITIVE RECEPTORS
- RESIDENTIAL RECEPTORS
- WORKER RECEPTORS
- POPULATION (CENSUS) RECEPTORS
- FENCELINE RECEPTORS
- GRID RECEPTORS
- ROAD
- ▭ GEM SITE

NOTES



REFERENCE
 COORDINATE SYSTEM: NAD 1983 STATEPLANE CALIFORNIA V
 FIPS 0405 FEET

CLIENT
 HYDROSTOR, INC.

PROJECT
 GEM ENERGY STORAGE CENTER

TITLE
LOCATION OF RECEPTORS FOR HEALTH RISK ASSESSMENT

| CONSULTANT | YYYY-MM-DD | 2021-09-07 |
|------------|------------|------------|
| | PREPARED | MR |
| | DESIGN | MR |
| | REVIEW | DH |
| | APPROVED | DH |

IF THIS MAP OR REPORT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM AUSTE

5.9.2 Environmental Analysis

The environmental effects on public health from the construction and operation of the GESC project are presented in the following sections.

5.9.2.1 Significant Criteria

Significant criteria for cancer and non-cancer risk are described in the sections below.

5.9.2.1.1 Cancer Risk

Cancer risk is the probability or chance of contracting cancer over a human lifetime. Any exposure to a carcinogen is assumed to have some probability of causing cancer; the lower the exposure, the lower the cancer risk (i.e., a linear, no-threshold model). Under various state and local regulations, an incremental cancer risk greater than 10 per million due to a project's emission can have a significant effect on public health. For example, the 10 per million risk level is used by the Air Toxics Hot Spots (AB 2588) program and Proposition 65 as the public notification level for air toxic emissions from existing sources. When evaluating cancer risks from a single facility it is important to note that the overall lifetime risk of developing cancer for the average male in the United States is approximately 1 in 2 or 500,000 per million, and about 1 in 3, or 333,333 per million for the average female¹.

In California, from 2013 to 2017 the cancer incidence rates were 4,329 per million for males and 3,876 per million for females². The cancer death rates in California from 2014 to 2018 were 1,649 per million for males and 1,225 per million for females³.

5.9.2.1.2 Non-Cancer Risk

Non-cancer health effects can be classified as either chronic or acute. In determining the potential health risks of non-cancerous air toxics, it is assumed there is a dose of the chemical of concern below which there would be no effect on human health. The air concentration corresponding to this dose is called the Reference Exposure Level (REL). Non-cancer health risks are measured in terms of a hazard quotient, which is the calculated exposure of each contaminant divided by its REL. Hazard quotients for pollutants affecting the same target organ are typically summed with the resulting totals expressed as hazard indices for each organ system. A hazard index of less than 1.0 is generally an insignificant health risk. RELs used in the hazard index calculations were those published in the Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values dated October 2, 2020.

Chronic toxicity is defined as adverse health effects from prolonged chemical exposure, caused by chemicals accumulating in the body. Because chemical accumulation to toxic levels typically occurs slowly, symptoms of chronic effects usually do not appear until long after exposure commences. The lowest no-effect chronic exposure level for a non-carcinogenic air toxic is the chronic REL. Below this threshold, the body can eliminate or detoxify the chemical rapidly enough to prevent its accumulation. The chronic hazard index was calculated using the hazard quotients calculated with annual concentrations.

¹ <https://www.cancer.org/cancer/cancer-basics/lifetime-probability-of-developing-or-dying-from-cancer.html>, Accessed August 21, 2021.

² <https://cancerstatisticscenter.cancer.org/#!/data-analysis/IncRate>, Accessed August 21, 2021.

³ <https://cancerstatisticscenter.cancer.org/#!/data-analysis/DeathRate>, Accessed August 21, 2021.

Acute toxicity is defined as adverse health effects caused by brief chemical exposure of no more than 24 hours. For most chemicals, the air concentration required to produce acute effects is higher than the level required to produce chronic effects because the exposure duration is shorter. Because acute toxicity is predominantly manifested in the upper respiratory system at threshold exposures, all hazard quotients are typically summed to calculate the acute hazard index. One-hour average concentrations are divided by the acute RELs to obtain a hazard index for health effects caused by relatively high, short-term exposures to air toxics.

5.9.2.2 Construction and Commissioning Phase Effects

The construction phase of the Gem is expected to take approximately 63 months (followed by several months of startup and commissioning). Strict construction practices that incorporate safety and compliance with applicable LORS will be followed (see Section 5.9.5). Additionally, mitigation measures to reduce air emissions from construction effects will be implemented as described in Section 5.1, Air Quality. Temporary emissions from construction-related activities are discussed in Appendix 5.9B. Construction-related emissions are temporary and localized, resulting in no long-term effects to the public.

Small quantities of hazardous waste may be generated during the construction phase of the GESC. Hazardous waste management plans will be in place so the potential for public exposure will be minimal (see Section 5.14, Waste Management). No acutely hazardous materials will be used or stored on-site during construction (see Section 5.5, Hazardous Materials). To ensure worker safety during construction, safe work practices will be followed (see Section 5.16, Worker Health and Safety).

A screening health risk assessment was conducted for the construction period due to emissions of diesel particulate matter. Although estimated cancer risks at the eastern property line are elevated due to proximity to emission points, the cancer risk decreases significantly with distance and is based on a cancer burden estimate, no significant public health effects are expected during the construction phase. The results of this analysis show no significant impact on public health and are presented in Appendix 5.9B.

Commissioning activity will include the operation of the emergency generators; however, the effects from commissioning the generators are not anticipated to be different than the operational phase effects.

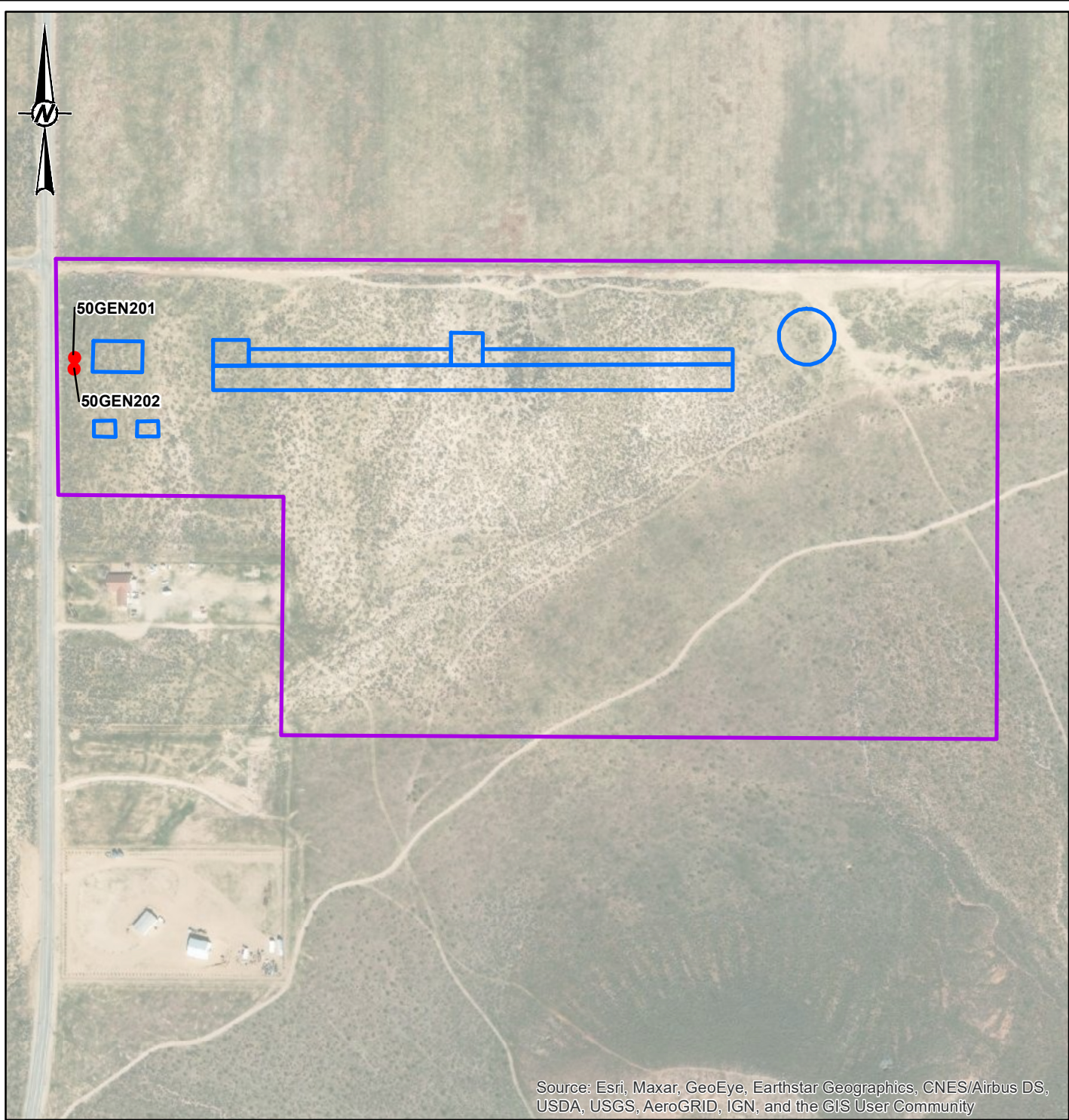
5.9.2.3 Operational Phase Effects

During the operational phase, two, diesel generators will supply emergency power for critical loads. The capacity for the final design is not known but be no more than 5 MW each; we have assumed 5 MW units for this analysis. These generators are the only stationary sources that will combust fossil fuel and are anticipated to operate for up to 50 hours (each) per year for testing and maintenance but will be limited to 200 hours per year each in an air permit. This HRA includes emissions from the operation of the two emergency diesel generators. Table 5.9-2 provides the location and source characteristics for each generator stack. Figure 5.9-2 shows the site property boundary and location of the two emission sources that are evaluated for this HRA.

Table 5.9-2: Gem Emission Sources for Operation Phase

| Source ID | Description | UTM Easting Coordinate (m) | UTM Northing Coordinate (m) | Stack Height from grade (ft) | Stack Inside Diameter (ft) | Stack Elevation (m) | Exhaust Gas Temperature (°F) | Exhaust Gas Flowrate (actual cfm) | Stack Velocity (m/s) |
|-----------|----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|---------------------|------------------------------|-----------------------------------|----------------------|
| 50GEN201 | Emergency Diesel Generator | 382,048.8 | 3,861,827.2 | 20.0 | 1.5 | 799.6 | 718.5 | 42,896.7 | 123.3 |
| 50GEN202 | Emergency Diesel Generator | 382,048.4 | 3,861,817.5 | 20.0 | 1.5 | 799.5 | 718.5 | 42,896.7 | 123.3 |

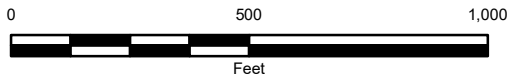
Source: TWD (August 2021), and CAT Technical Specifications for a diesel generator set Stand By 5320 ekW 6650 Kva.
 Coordinate datum = UTM Zone 11, NAD83.



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND

- POINT SOURCE
- STRUCTURE
ONLY STRUCTURES THAT CAN INFLUENCE AIR DISPERSION FROM POINT SOURCES WERE INCLUDED IN THE MODEL
- GEM SITE - PROPERTY BOUNDARY



CLIENT
HYDROSTOR INC.

REFERENCE(S)
COORDINATE SYSTEM: NAD 1983 STATEPLANE CALIFORNIA V
FIPS 0405 FEET

PROJECT
GEM ENERGY STORAGE CENTER

| CONSULTANT | YYYY-MM-DD | 9/7/2021 |
|--------------------------------|------------|----------|
| GOLDER MEMBER OF WSP | DESIGNED | MR |
| | PREPARED | MR |
| | REVIEWED | MS |
| | APPROVED | DS |

TITLE
LOCATION OF GEM EMISSION SOURCES DURING OPERATION PHASE

| PROJECT NO. | CONTROL | REV. | FIGURE |
|-------------|---------|------|--------------|
| 21465954 | -- | -- | 5.9-2 |

PATH: G:\GIS\Stations\MorroBay_Rosmond\MapPublicHealth\GEM\Figure 5.9-2_Location of Gem Emission.mxd

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A 25mm

Environmental consequences potentially associated with the operation of the GESC are human exposure to chemical substances emitted into the air. The human health risks potentially associated with these chemical substances were evaluated in an HRA. The chemical substances potentially emitted to the air from the GESC emission units are listed in Table 5.9-3.

Table 5.9-3: Chemical Substances Potentially Emitted to the Air from the Gem

| Criteria Pollutants | Greenhouse Gasses | Toxic Air Pollutants | |
|------------------------------------|-----------------------------------|----------------------|---------------------------------|
| Particulate Matter (PM) | Carbon Dioxide (CO ₂) | Acenaphthene | Dibenz(a,h)anthracene |
| PM less than 10 microns (PM10) | Methane (CH ₄) | Acenaphthylene | Diesel Particulate Matter (DPM) |
| PM less than 2.5 microns (PM2.5) | Nitrous Oxide (N ₂ O) | Acetaldehyde | Fluoranthene |
| Carbon Monoxide (CO) | | Acrolein | Fluorene |
| Nitrogen Oxides (NO _x) | | Anthracene | Formaldehyde |
| Volatile Organic Compounds (VOC) | | Benzo(a)anthracene | Indeno(1,2,3-cd)pyrene |
| | | Benzene | Naphthalene |
| | | Benzo(a)pyrene | Phenanthrene |
| | | Benzo(b)fluoranthene | Propylene |
| | | Benzo(g,h,l)perylene | Pyrene |
| | | Benzo(k)fluoranthene | Toluene |
| | | Chrysene | Xylene |

Source: Section 5.1 (Air Quality) and Section 5.9, Public Health, Appendix 5.9C.

Estimated toxic pollutant emissions from the facility processes are provided in Table 5.9-4. Appendix 5.9C shows detailed emission calculations.

Table 5.9-4: Toxic Pollutant Emissions Estimates for Operation Phase

| CAS | Pollutant | Gem Emission (2 generators) (lb./hr) | Gem Emission (2 generators) (tons/yr) |
|--------|----------------------|--------------------------------------|---------------------------------------|
| 83329 | Acenaphthene | 4.45E-04 | 4.45E-05 |
| 208968 | Acenaphthylene | 8.77E-04 | 8.77E-05 |
| 75070 | Acetaldehyde | 2.39E-03 | 2.39E-04 |
| 107028 | Acrolein | 7.49E-04 | 7.49E-05 |
| 120127 | Anthracene | 1.17E-04 | 1.17E-05 |
| 56553 | Benzo(a)anthracene | 5.91E-05 | 5.91E-06 |
| 71432 | Benzene | 7.37E-02 | 7.37E-03 |
| 50328 | Benzo(a)pyrene | 2.44E-05 | 2.44E-06 |
| 205992 | Benzo(b)fluoranthene | 1.05E-04 | 1.05E-05 |
| 191242 | Benzo(g,h,l)perylene | 5.28E-05 | 5.28E-06 |
| 207089 | Benzo(k)fluoranthene | 2.07E-05 | 2.07E-06 |
| 218019 | Chrysene | 1.45E-04 | 1.45E-05 |

| CAS | Pollutant | Gem Emission (2 generators) (lb./hr) | Gem Emission (2 generators) (tons/yr) |
|---------|---------------------------|--|---|
| 53703 | Dibenz(a,h)anthracene | 3.29E-05 | 3.29E-06 |
| 9901 | Diesel Particulate Matter | 6.60E-01 | 6.60E-02 |
| 206440 | Fluoranthene | 3.83E-04 | 3.83E-05 |
| 86737 | Fluorene | 1.22E-03 | 1.22E-04 |
| 50000 | Formaldehyde | 7.49E-03 | 7.49E-04 |
| 193395 | Indeno(1,2,3-cd) pyrene | 3.93E-05 | 3.93E-06 |
| 91203 | Naphthalene | 1.23E-02 | 1.23E-03 |
| 85018 | Phenanthrene | 3.88E-03 | 3.88E-04 |
| 115071 | Propylene | 2.65E-01 | 2.65E-02 |
| 129000 | Pyrene | 3.52E-04 | 3.52E-05 |
| 108883 | Toluene | 2.67E-02 | 2.67E-03 |
| 1330207 | Xylene | 1.83E-02 | 1.83E-03 |

Source: Section 5.9, Public Health, Appendix 5.9C

Ambient air concentrations due to emissions of criteria pollutants will adhere to NAAQS and CAAQS (see Section 5.1, Air Quality). Offsets will not be required because the GESC project will not be a major source under New Source Review (NSR). Air dispersion modeling results (see Section 5.1, Air Quality) show that emissions will not result in ambient concentrations of criteria pollutants that exceed ambient air quality standards (NAAQS or CAAQS). These standards are intended to protect the general public. Therefore, the Gem project is not anticipated to have a significant effect on public health from emissions of criteria pollutants.

The HRA was prepared using guidelines developed by OEHHA and CARB, as implemented in the latest version of the Hotspots Analysis and Reporting Program (HARP2) model (ADMRT Ver. 21081). Appendix 5.9D summarizes the HRA methodology followed, HARP2, and AERMOD model options and parameters.

5.9.2.4 Public Health Effect Study Methods

Emissions of toxic pollutants potentially associated with the GESC were estimated using emission factors approved by CARB and the Environmental Protection Agency (EPA). Unit dispersion factors for each emission source were estimated using the AERMOD dispersion modeling program. Modeling allows the estimation of both short-term and long-term average concentrations in air for use in an HRA, accounting for site-specific terrain and meteorological conditions. Unit dispersion factors and emission rates were loaded into HARP and the software calculates estimated ground level concentration (GLC) for each pollutant. HARP compares the GLCs to cancer and non-cancer benchmarks to estimate health risk. Health risks potentially associated with the estimated concentrations of pollutants in the air were characterized in terms of excess lifetime cancer risks (for carcinogenic substances), or comparison with reference exposure levels for non-cancer health effects (for non-carcinogenic substances).

Health risks were evaluated for a hypothetical maximum exposed individual resident (MEIR) located at the highest estimated concentration for a receptor where a resident could be exposed for a long period (e.g., at a house or apartment).

The highest offsite concentration location is defined as the point of maximum impact (PMI). The estimated health risks at the PMI are less than applicable health screening benchmarks.

Health risks potentially associated with concentrations of carcinogenic air pollutants were calculated as estimated excess lifetime cancer risks. The excess lifetime cancer risk for a pollutant is estimated as the product of the concentration in the air and a unit risk value. The unit risk value is defined as the estimated probability of a person contracting cancer because of constant exposure to an ambient concentration of 1 microgram per cubic meter ($\mu\text{g}/\text{m}^3$) over a 70-year lifetime. Evaluation of potential non-cancer health effects from exposure to short-term and long-term concentrations in the air was performed by comparing modeled concentrations in the air with the RELs. A REL is a concentration in the air at or below which no adverse health effects are anticipated. RELs are based on the most sensitive adverse effects reported in the medical and toxicological literature. Potential non-cancer effects were evaluated by calculating a ratio of the modeled concentration in the air and the REL. This ratio is referred to as a hazard quotient. The unit risk values and RELs used to characterize health risks associated with modeled concentrations in the air were obtained from the Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values (CARB/OEHHA 2020), are presented in Table 5.9-5.

Table 5.9-5: Toxicity Values Used to Characterize Health Risks (Inhalation)

| CAS | Pollutant | Unit Risk Factor ($\mu\text{g}/\text{m}^3$) ⁻¹ | Chronic REL ($\mu\text{g}/\text{m}^3$) | Acute REL ($\mu\text{g}/\text{m}^3$) | 8-hour Chronic REL ($\mu\text{g}/\text{m}^3$) |
|--------|---------------------------|---|--|--|---|
| 83329 | Acenaphthene | - | - | - | - |
| 208968 | Acenaphthylene | - | - | - | - |
| 75070 | Acetaldehyde | 2.7E-06 | 140 | 470 | 300 |
| 107028 | Acrolein | - | 0.35 | 2.5 | 0.7 |
| 120127 | Anthracene | - | - | - | - |
| 56553 | Benzo(a)anthracene | 1.1E-04 | - | - | - |
| 71432 | Benzene | 2.9E-05 | 3 | 27 | 3 |
| 50328 | Benzo(a)pyrene | 1.1E-03 | - | - | - |
| 205992 | Benzo(b)fluoranthene | 1.1E-04 | - | - | - |
| 191242 | Benzo(g,h,i)perylene | - | - | - | - |
| 207089 | Benzo(k)fluoranthene | 1.1E-04 | - | - | - |
| 218019 | Chrysene | 1.1E-05 | - | - | - |
| 53703 | Dibenz(a,h)anthracene | 1.2E-03 | - | - | - |
| 9901 | Diesel Particulate Matter | 3.0E-04 | 5 | - | - |
| 206440 | Fluoranthene | - | - | - | - |

| CAS | Pollutant | Unit Risk Factor ($\mu\text{g}/\text{m}^3$) ⁻¹ | Chronic REL ($\mu\text{g}/\text{m}^3$) | Acute REL ($\mu\text{g}/\text{m}^3$) | 8-hour Chronic REL ($\mu\text{g}/\text{m}^3$) |
|---------|-------------------------|--|---|---|--|
| 86737 | Fluorene | - | - | - | - |
| 50000 | Formaldehyde | 6.0E-06 | 9 | 55 | 9 |
| 193395 | Indeno(1,2,3-cd) pyrene | 1.1E-04 | - | - | - |
| 91203 | Naphthalene | 3.4E-05 | 9 | - | - |
| 85018 | Phenanthrene | - | - | - | - |
| 115071 | Propylene | - | 3,000 | - | - |
| 129000 | Pyrene | - | - | - | - |
| 108883 | Toluene | - | 420 | 5,000 | 830 |
| 1330207 | Xylene | - | 700 | 22,000 | - |

Source: CARB/OEHHA 2020

5.9.2.5 Characterization of Risks from Toxic Air Pollutants

The excess lifetime cancer risk at the GESOC PMI location is estimated to be 8.27×10^{-6} . Excess lifetime cancer risks at this level are unlikely to represent significant public health effects that require additional controls of facility emissions. Cancer risks higher than 1×10^{-6} may or may not be of concern, depending upon several factors. These include the conservatism of assumptions used in risk estimation, the size of the potentially exposed population, and the toxicity of the risk-driving chemicals. Cancer risks higher than 10×10^{-6} from sources trigger public notice requirements. Non-cancer risks less than 1.0 are generally not a concern. Health effects risk thresholds are listed in Table 5.9-6, Health Effects Significant Threshold Levels for EKAPCD.

Table 5.9-6: Health Effects Significant Threshold Levels for EKAPCD

| Risk Category | Risk Threshold |
|-------------------------|---|
| Significant Health Risk | Cancer Risk: $\geq 10 \times 10^{-6}$ Chronic Risk: ≥ 1.0 Acute Risk: ≥ 1.0 |

Source: EKAPCD 2021

Facilities with elevated risks are required to provide public notice and if the risks are considered significant, the facility must work to reduce emissions to acceptable levels within five years.

The risks predicted in the HRA are compared to the following EKAPCD levels:

- Public Notification Threshold: Required to notify the public if:
 - The cancer risk is greater than or equal to 10 in one million
 - The non-cancer chronic or acute hazard index is greater than 1.0

- The cancer burden is greater than 1.0
- Significant Risk Threshold: Required to notify the public and prepare a risk reduction audit plan if:
 - The cancer risk is greater than or equal to 100 in one million
 - The non-cancer chronic or acute hazard index is greater than 5.0
 - The cancer burden is greater than 5.0

HRA Results

Risks associated with pollutants potentially emitted from the GESC are presented in Table 5.9-7. Appendix 5.9E presents more detailed tables of the HARP2 modeling results for each health risk, at each receptor type, broken down by pollutant and source based on the exposure durations.

Further description of the methodology used to calculate health risks associated with emissions to the air is presented in Appendix 5.9D. If there is no significant effect associated with concentrations in air at the PMI location, it is unlikely that there would be significant effects in any other location in the vicinity of the GESC.

Table 5.9-7: Health Risk Assessment Summary

| Type of Risk | Receptor Type | Exposure Duration | Risk | Receptor ID | UTM E (m) | UTM N (m) |
|--------------|---------------|-------------------|----------|-------------|-----------|-------------|
| Cancer | PMI | 30-Years | 7.30E-06 | FC-GEM-17 | 382,132.3 | 3,861,910.1 |
| | MEIR | | 6.68E-07 | RD-GEM-06 | 381,963.7 | 3,861,691.6 |
| | Sensitive | | 7.16E-08 | SR-GEM-21 | 385,087.8 | 3,860,105.2 |
| | MEIW | 25-Years | 6.61E-9 | WR-GEM-11 | 384,447.0 | 3,859,473.7 |
| Chronic HI | PMI | Annual | 1.99E-03 | FC-GEM-17 | 382,132.3 | 3,861,910.1 |
| | MEIR | | 1.82E-04 | RD-GEM-06 | 381,963.7 | 3,861,691.6 |
| | Sensitive | | 1.95E-05 | SR-GEM-21 | 385,087.8 | 3,860,105.2 |
| | MEIW | | 2.18E-05 | WR-GEM-11 | 384,447.0 | 3,859,473.7 |
| | MEIW | 8-hours | 3.92E-06 | WR-GEM-11 | 384,447.0 | 3,859,473.7 |
| Acute HI | PMI | 1-hour | 1.32E-02 | FC-GEM-08 | 382,042.8 | 3,861,911.3 |
| | MEIR | | 7.50E-03 | RD-GEM-06 | 381,963.7 | 3,861,691.6 |
| | Sensitive | | 3.12E-04 | SR-GEM-22 | 390,759.9 | 3,858,642.7 |
| | MEIW | | 3.92E-04 | WR-GEM-05 | 374,112.5 | 3,858,750.6 |

Source: HARP2 model run by Golder Associates, March 2022

Results of the HRA indicate that cancer, chronic (non-cancer), and acute (non-cancer) risk levels associated with emissions from the two sources that will be operated during the operational phase of the GESC are below the AB2588 levels that trigger public notice or risk reduction.

Cancer Risk

The PMI for cancer risk is predicted to occur on the fence line (receptor FC-GEM-17), at the north side of the property boundary. This risk assumes 30-years of continuous exposure. Most of the risk (98.05%) is from DPM which is a typical byproduct of combustion. The pathway for maximum exposure and contribution is Inhalation.

The MEIR for cancer risk is predicted to occur approximately 70 meters west of receptor RD-GEM-06. This risk assumes 30-years of continuous exposure. The pathway for maximum exposure and contribution is inhalation.

The location of the sensitive receptor with maximum cancer risk is predicted to occur at Walt James Stadium (SR-GEM-21) which is located approximately 2.6 km southeast of the GESC.

The MEIW for 25-year cancer risk is predicted to occur approximately 2.6 km southeast of the GESC at cartesian receptor WR-GEM-11. This receptor shows 98.56 percent of the risk from DPM followed by benzene with 1.00 percent of the risk.

Both generators are identical and therefore contribute approximately half of the risk for all receptors.

Table 1 and Table 2 of Appendix 5.9E present detailed information on cancer risk contribution at each receptor type, broken down by pollutant and source, respectively. Figure 5.9-3 shows the 30-year cancer risk isopleths and the locations for PMI, MEIR, and maximum sensitive receptors. Figure 5.9-4 shows the 25-year cancer risk location for the MEIW.

Chronic Hazard Index

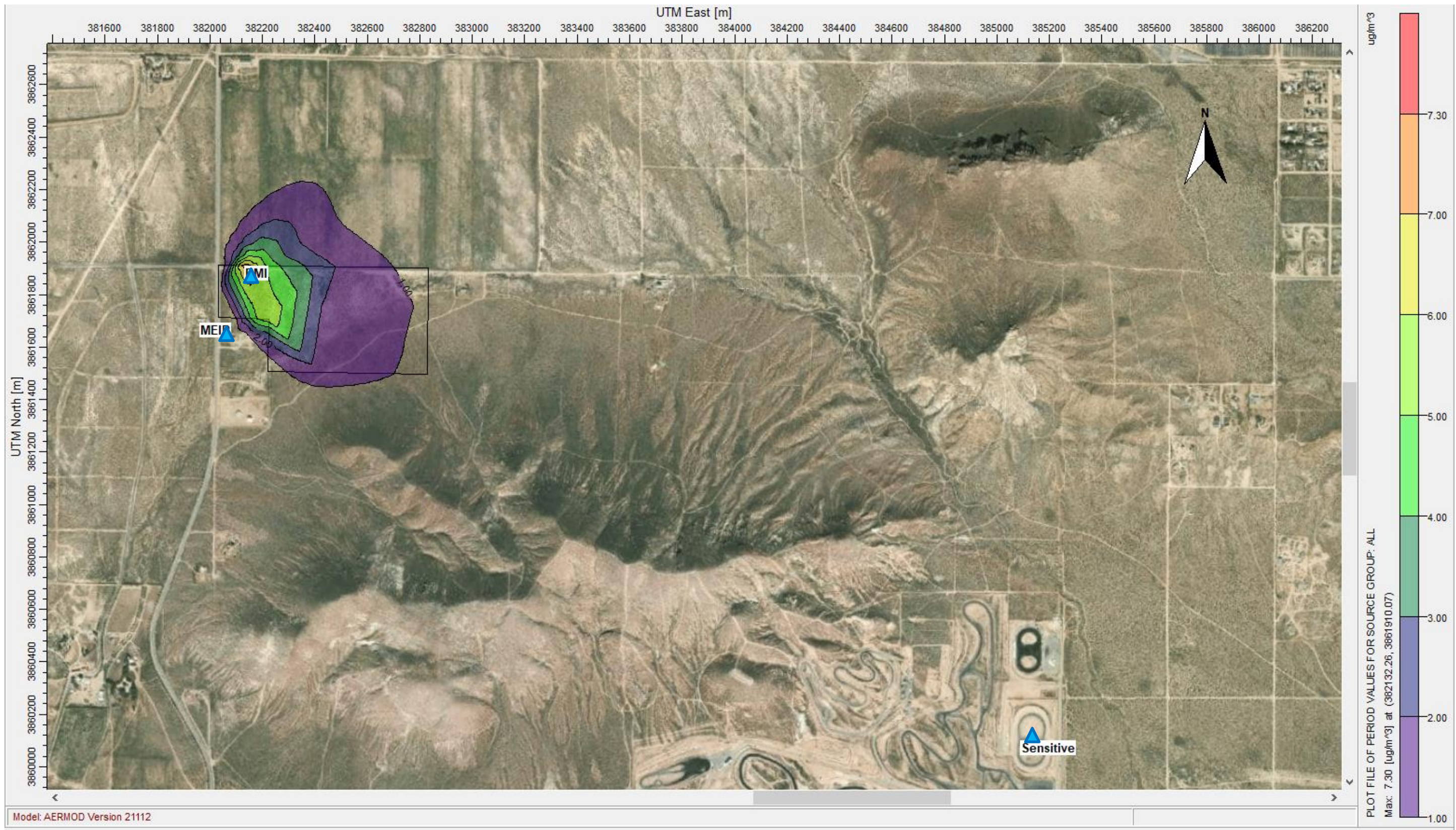
The PMI chronic, non-cancer risk is predicted to be at receptor FC-GEM-17. The pollutant contributing most significantly to predicted risk is DPM. The MEIR chronic risk is predicted to occur at receptor RD-GEM-06. The location of the sensitive receptor with the highest risk is predicted to occur at SR-GEM-21. For both receptors, the contribution of benzene is 81.9 percent to the total chronic hazard; the major pathway for this substance is Inhalation.

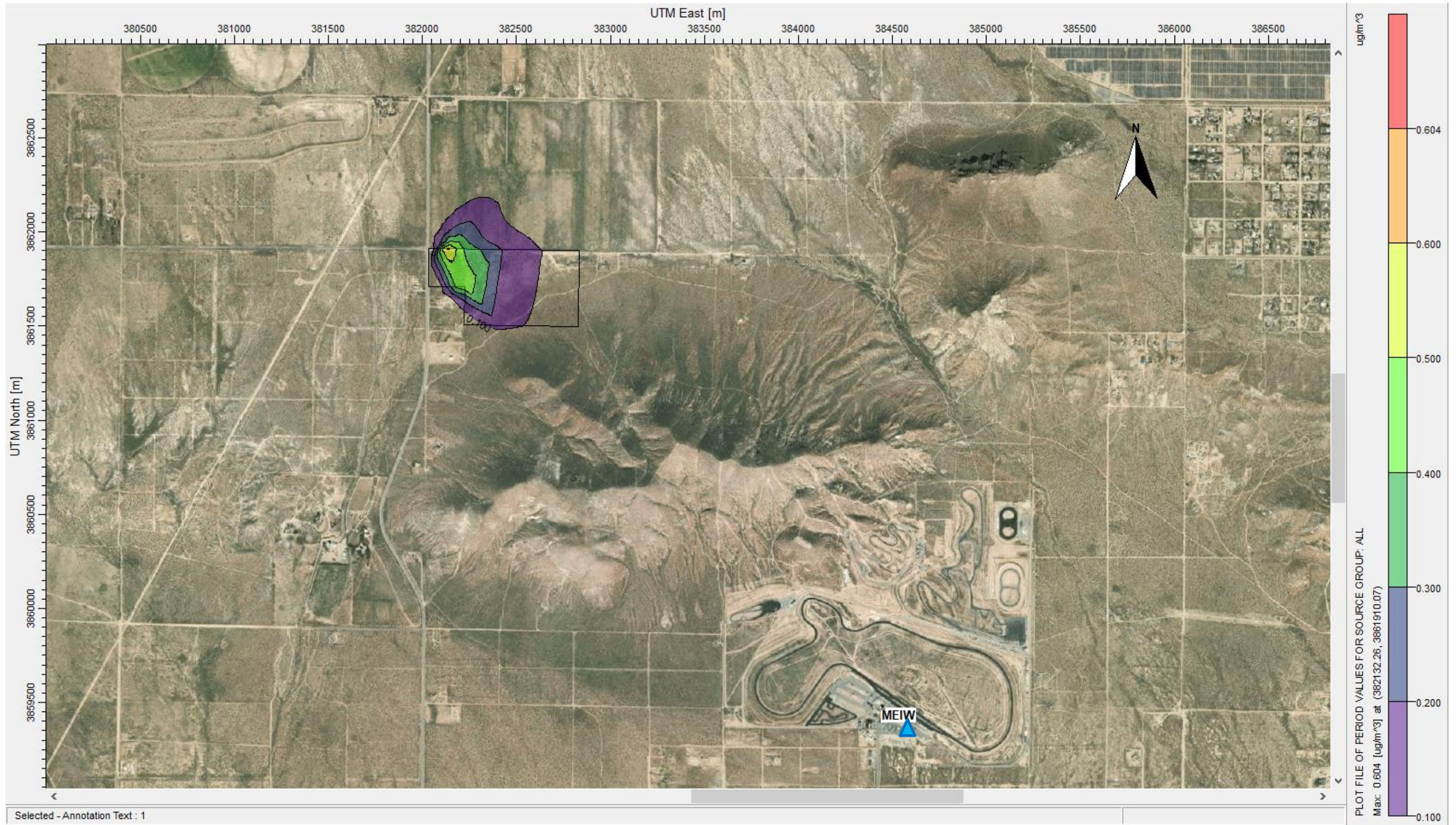
The maximum annual and 8-hour MEIW is predicted to occur at cartesian receptor WR-GEM-11. Benzene is estimated to contribute most of the risk at 92.67 percent of the total. Figure 5.9-5 shows the annual chronic hazard locations for the PMI, MEIR, MEIW, and maximum sensitive receptors. Table 3 and Table 4 of Appendix 5.9E present detailed information on cancer risk contribution at each receptor type, broken down by pollutant and source, respectively.

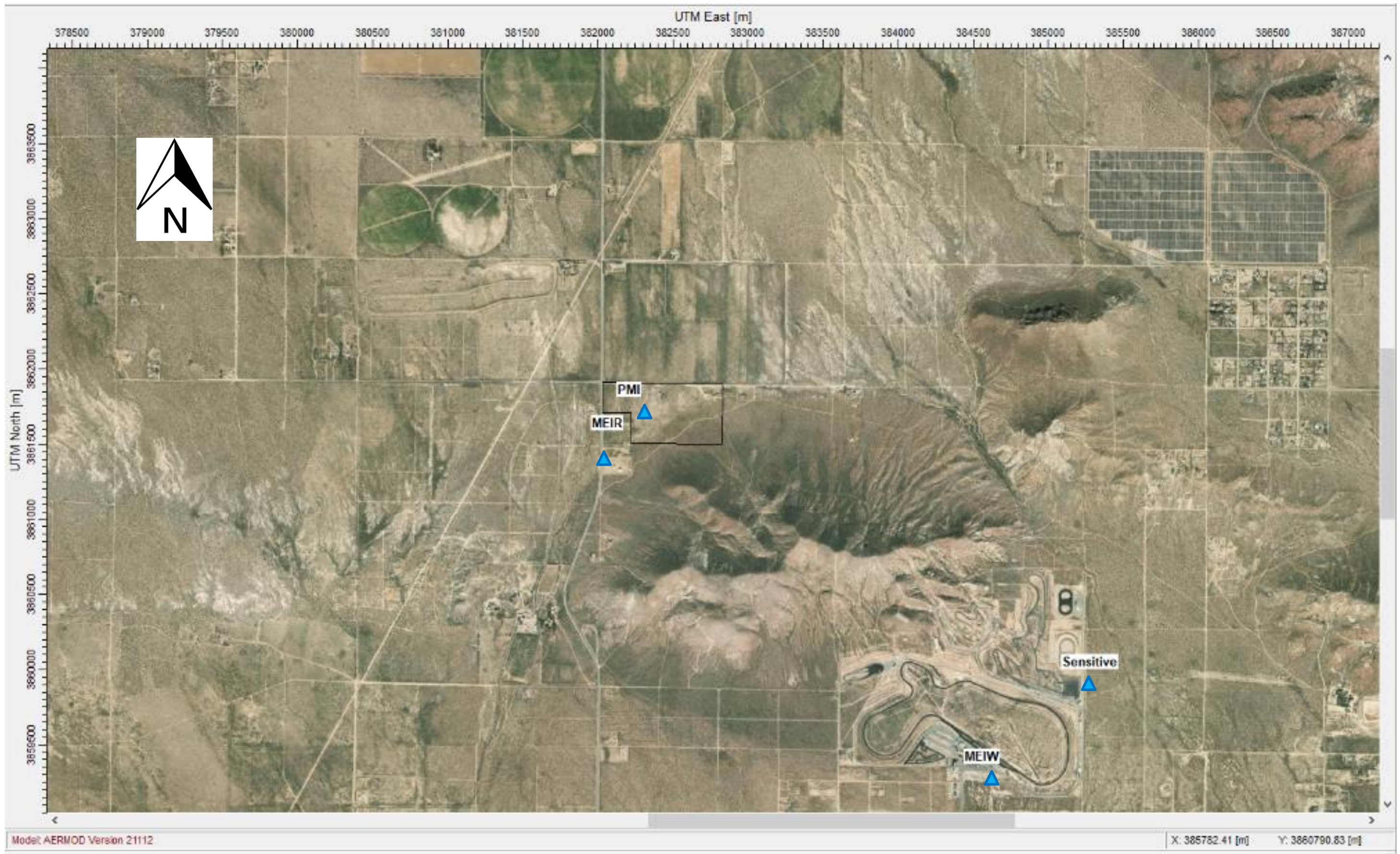
Acute Hazard Index

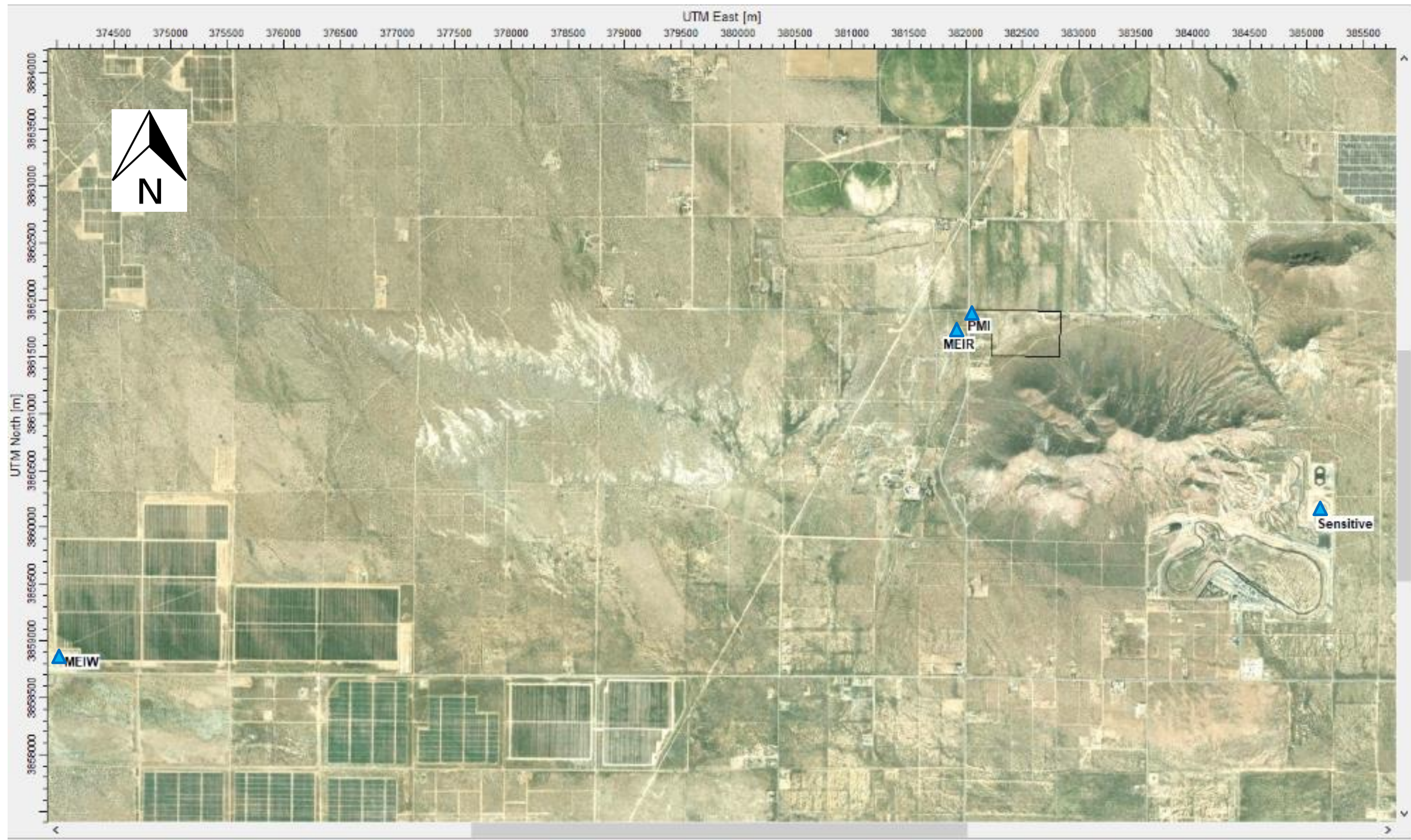
The PMI for acute risk is predicted to occur at the fence line of the facility on the west side (receptor FC-GEM-08). The MEIW acute risk is predicted to occur approximately 8.5 km southwest of the facility (receptor WR-GEM-05). The MEIR acute risk and the maximum sensitive receptor for acute risk are located at the same receptors identified for cancer risk and chronic hazard. The pollutant contributing most significantly for all the identified receptors was benzene, followed by acrolein comprising more than 85 percent of the acute hazard and targeting the immune system, reproductive system & developmental, and hematological system.

Figure 5.9-6 shows the locations of the acute hazard index PMI, MEIR, MEIW, and maximum sensitive receptor. Tables 5 and 6 of Appendix 5.9E present detailed tables summarizing the cancer risk contribution by each receptor type, broken down by pollutant and source, respectively.









Model: AERMOD Version 21112

The acute and chronic hazard quotients associated with concentrations in air are shown in Table 5.9-7. The acute and chronic hazard quotients for all target organs are below 1.0. As described previously, a hazard quotient less than 1.0 is unlikely to represent a significant effect on public health. Further description of the methodology used to calculate health risks associated with emissions to the air is presented in the HARP2 Users Guides (HARP, March 17, 2015) and in the OEHHA 2015 Air Toxics Hot Spots Health Risk Assessment Guidance document (OEHHA/CARB, 2015).

Detailed risk and hazard values are provided in the HARP output presented in Appendix 5.9F, (electronic modeling files on CD-ROM).

The estimates of excess lifetime cancer risks and non-cancer risks associated with chronic or acute exposures are below thresholds used for regulating emissions of toxic pollutants to the air. Historically, exposure to any level of a carcinogen has been considered to have a finite risk of inducing cancer. In other words, there is no threshold for carcinogenicity. Since risks at low levels of exposure cannot be quantified directly by either animal or epidemiological studies, mathematical models have estimated such risks by extrapolation from high to low doses. This modeling procedure is designed to provide a conservative estimate of cancer risks based on the most sensitive species of laboratory animal for extrapolation to humans.

An excess lifetime cancer risk of 1×10^{-6} is typically used as a screening threshold for insignificant risk from potential exposure to carcinogenic substances in the air. The excess cancer risk level of 1×10^{-6} , which has historically been judged to be an acceptable risk, originates from efforts by the Food and Drug Administration to use quantitative HRA for regulating carcinogens in food additives in light of the zero-tolerance provision of the Delany Amendment (Hutt 1985). The associated dose, known as a “virtually safe dose,” has become a standard used by many policymakers and the public for evaluating cancer risks. However, a study of regulatory actions about carcinogens found that an acceptable risk level can often be determined on a case-by-case basis. This analysis of 132 regulatory decisions, found that regulatory action was not taken to control estimated risks below 1×10^{-6} (one in a million), which are called de minimis risks. De minimis risks are historically considered risks of no regulatory concern. Chemical exposures with risks above 4×10^{-3} (four in ten thousand), called de manifestis risks, were consistently regulated. De manifestis risks are typical risks of regulatory concern. Risks falling between these two extremes were regulated in some cases, but not in others (Travis et al 1987). In EKAPCD, an excess cancer risk above 10×10^{-6} requires public notification, and an excess cancer risk above 100×10^{-6} is considered significant and requires risk reduction. The Gem project would be below these thresholds.

The estimated lifetime cancer risk to the maximally exposed individual located at the GESC PMI is not below the 10×10^{-6} significance level. These risk estimates were calculated using conservative assumptions. Evaluation of the risks associated with the GESC emissions should consider that the conservatism in the assumptions and methods used in risk estimation considerably overstates the risks from GESC emissions.

Cancer Burden

To evaluate population risk, regulatory agencies have used the cancer burden as a method to account for the number of excess cancer cases that could potentially occur in a population. The cancer burden can be calculated by multiplying the cancer risk at a census block centroid, times the number of people who live in the census block, and adding the estimated cancer cases across the zone of impact. A census block is defined as the smallest entity for which the Census Bureau collects and tabulates decennial census information. A centroid is defined as the central location within a specified geographic area.

The cancer burden for an operational site is calculated based on OEHHA (70 years) risks. It is independent of how many people move in or out of the vicinity of an individual facility. The number of cancer cases is considered independent of the number of people exposed, within some lower limits of exposed population size, and the length of exposure (within reason). For example, if 10,000 people are exposed to a carcinogen at a concentration with a 1×10^{-5} cancer risk for a lifetime, the cancer burden is 0.1, and if 100,000 people are exposed to a 1×10^{-5} risk the cancer burden is 1.

Different methods can be used as a measure of population burden. The number of individuals residing within a 1×10^{-6} , 1×10^{-5} , and/or 1×10^{-4} isopleth is another potential measure of population burden.

Because the maximum lifetime cancer risk (8.27×10^{-6}) exceeds 1 per million at an offsite receptor, cancer burden has been estimated by HARP2 using the following procedure:

- Cancer risk is estimated at each census receptor using HARP2.
- For each census receptor that has an estimated cancer risk that equal to or greater than 1 per million (1×10^{-6} risk), the population at that receptor is multiplied by the risk at that receptor. This estimates the cancer burden at each census receptor.
- All of the cancer burdens calculated in the previous step are summed to estimate the total cancer burden within the zone of impact (the area that experiences a risk $\geq 1 \times 10^{-6}$).

None of the census receptors were predicted more than 1×10^{-6} . The maximum risk value of 9.49×10^{-7} was predicted in the receptor CS-GEM-145. Therefore, the sum of the estimated total cancer burden is zero.

5.9.2.6 Hazardous Materials

Hazardous materials may be used and stored at the GESC site. The hazardous materials stored in significant quantities on-site and descriptions of their uses are presented in the Hazardous Materials Handling section. The use of chemicals at the GESC site will be following standard practices for the storage and management of hazardous materials. The normal use of hazardous materials, therefore, will not pose significant effects on public health. While mitigation measures will be in place to prevent releases, accidental releases that migrate off-site could result in potential effects to the public.

5.9.2.7 Odors

The GESC is not expected to emit or cause to be emitted any substances that could cause nuisance odors.

5.9.2.8 Electromagnetic Field Exposure

Electromagnetic fields (EMFs) are composed of electric and magnetic fields and occur independently of one another. EMFs will exist at the GESC created by electric charges at the 60-Hz frequency used in transmission lines. Electric fields exist when these charges are not moving. Magnetic fields are created when the electric charges are moving. The magnitude of both electric and magnetic fields falls off rapidly as the distance from the source increases (proportional to the inverse of the square of distance).

Because the electric transmission lines do not typically travel through residential areas and based on findings of the National Institute of Environmental Health Sciences (NIEHS) (1999), EMF exposures are not expected to result in a significant effect on public health. The NIEHS report to the U.S. Congress found that “the probability that EMF exposure is truly a health hazard is currently small. The weak epidemiological associations and lack of any laboratory support for these associations provide only marginal scientific support that exposure to this agent is causing any degree of harm” (NIEHS 1999).

California does not currently have a regulatory level for magnetic fields. However, the values estimated for similar transmission lines proposed for the GESC are well below those established by states that do have limits. Other states have established regulations for magnetic field strengths that have limits ranging from 150 milligauss to 250 milligauss at the edge of the right-of-way, depending on voltage. The California Energy Commission (CEC) does not currently specify limits on magnetic fields for standard types and sizes of transmission lines.

5.9.2.9 Legionella

Legionella is a bacterium that is ubiquitous in natural aquatic environments and is also widely distributed in human-made water systems. It is the principal cause of legionellosis, otherwise known as Legionnaires’ disease, which is similar to pneumonia. Transmission to people results mainly from inhalation or aspiration of aerosolized contaminated water. Untreated or inadequately treated cooling systems, such as industrial cooling tower cells and building heating, ventilating, and air conditioning systems, have been correlated with outbreaks of legionellosis.

The GESC will not have a cooling tower or wet surface air cooler. As such, there is no requirement to prepare and implement a water treatment program designed to reduce the potential for Legionella.

5.9.2.10 Summary of Effects

Results from the air toxics HRA based on emissions modeling indicate that there will be no significant incremental public health risks from the construction or operation of the GESC. Results from criteria pollutant modeling for routine operations indicate that potential ambient concentrations of NO₂, CO, SO₂, and PM₁₀ will not significantly affect air quality (Section 5.1, Air Quality). Modeled concentrations are below the federal and California standards established to protect public health, including the more sensitive members of the population.

5.9.3 Cumulative Effects

An analysis of the cumulative impacts of the GESC, per CEC practice, based on modeling studies conducted by staff, is typically only required if the proposed facility is generally within less than 0.5 miles of another existing major or large toxics emissions source. No such sources were identified within the default distance of 0.5 miles. A search of the CARB Pollution Mapping Tool shows that the closest tracked source is a cement plant located approximately 9 miles to the north-northwest of the GESC.

It is not anticipated that a cumulative impact assessment is justified based on the proposed emission units for the operation of the GESC, and the proximity to the nearest CARB-tracked air emissions source.

5.9.4 Mitigation Measures

Any mitigation measures (if applicable) are described in the sections below.

5.9.4.1 Criteria Pollutants

Emissions of criteria pollutants will be minimized by applying Best Available Control Technology (BACT) to the GESC. BACT for the engines driving the emergency generators (see Section 5.1, Air Quality).

The GESC is not proposed to be a major source under nonattainment new source review and thus is not expected to trigger the offset requirements of EKAPCD Rule 210.1A IV(A). Therefore, further mitigation of emissions is not required to protect public health.

5.9.4.1.1 Toxic Pollutants

Emissions of toxic pollutants to the air will be minimized using BACT/TBACT at the GESC, (i.e., the use of best management practices for the control of carbon monoxide (CO), volatile organic compounds (VOCs), and gaseous toxic constituents).

5.9.4.1.2 Legionella Mitigation Measure

The Project will not be utilizing cooling towers or wet surface air coolers (SAC); therefore, a Legionella mitigation plan is not required.

5.9.4.2 Hazardous Materials

Mitigation measures for hazardous materials are presented below and discussed in more detail in the Hazardous Materials Handling section. Potential public health effects from the use of hazardous materials are only expected to occur because of an accidental release. The facility has many safety features designed to prevent and minimize effects from the use and accidental release of hazardous materials. The GESC will include the design features listed below.

- Curbs, berms, and/or secondary containment structures will be provided where the accidental release of chemicals may occur.
- A fire-protection system will be included to detect, alarm, and in some areas suppress a fire, following applicable LORS.
- Construction of all storage systems will be following applicable construction standards, seismic standards, and LORS.

A Risk Management Plan is not required for operations.

A safety program will be implemented and will include safety training programs for contractors and operations personnel, including instructions on the following:

- Proper use of personal protective equipment
- Safety operating procedures
- Fire safety
- Emergency response actions

The safety program will also include programs on safely operating and maintaining systems that use hazardous materials. Emergency procedures for GESC personnel include power facility evacuation, hazardous material spill cleanup, fire prevention, and emergency response.

Areas subject to potential leaks of hazardous materials will be paved and bermed. Incompatible materials will be stored in separate containment areas. Containment areas will be drained to either a collection sump or to holding or neutralization tanks. Piping and tanks exposed to potential traffic hazards will be additionally protected by traffic barriers.

5.9.5 Laws, Ordinances, Regulations, and Standards

The relevant LORS that affect public health and apply to the GESC and the conformity of the GESC to each of the LORS are presented in this section.

5.9.5.1 Federal LORS

- 40 CFR Part 50 [National Primary and Secondary Ambient Air Quality Standards]: GESC operations will comply with the NAAQS using air dispersion models.
- 40 CFR Part 63 Subpart ZZZZ [NESHAP – Reciprocating Internal Combustion Engines]: The GESC will comply with this rule by demonstrating compliance with 40 CFR Part 60 Subpart IIII (see Section 5.1, Air Quality).

5.9.5.2 State LORS

- California Health & Safety Code (CHSC) Part 6 Sections 44360 – 44366 [Air Toxics “Hot Spots” Information and Assessment]: The GESC will be subject to Part 6 because it will release substances listed in the rule from the combustion of diesel fuel from the emergency generators. Gem will participate in the requirement to prepare an inventory and health risk analysis (as applicable). Analysis shows that emissions from the GESC will be below the public notification and risk reduction levels of 10×10^{-6} and 100×10^{-6} , respectively, for operation and that the cancer burden is reasonable for risk due to construction activities.
-
- CHSC Chapter 6.6 Sections 25249.5-25249.14 [Safe Drinking Water and Toxic Enforcement Act of 1986]: Gem is not anticipated to release chemicals known to cause cancer or reproductive toxicity to a source of drinking water. Air emissions will comply with an air permit that must be obtained from EKAPCD. The results of the HRA show that air emissions do not exceed public notice thresholds.
- CHSC Sections 25500-25542 [Hazmat Inventory]: As applicable, Gem will prepare required hazardous materials plans and inventories and submit them to the proper authorities (see Section 5.5, Hazardous Materials.)
- California Code of Regulations (CCR) Title 17 Section 70200 [California Ambient Air Quality Standards]: Emissions from Gem operations shows compliance with the CAAQS using air dispersion models.

5.9.5.3 EKAPCD LORS

- Eastern Kern Air Pollution Control District (EKAPCD) Regulation II Rule 201.2 [synthetic minor sources]: Emissions of HAP from the operational Gem will be less than 10 tpy of an individual HAP and 25 tpy total HAP and will therefore be classified as a minor source of HAP.
- EKAPCD Regulation II Rule 208.1 [disclosure of air toxics information]: All issued air permits will contain a requirement to comply with California Health and Safety Code Sections 44300 through 44384 known as the

Air Toxics “Hot Spots” Information and Assessment Act. The GESC will comply with the issued air permit condition.

- EKAPCD Regulation II Rule 208.2.II.F [finding of no significant impact]: This rule establishes that any increase in cancer risk less than one per million and total hazard index less than 0.2 justifies that the activity is not subject to CEQA. The HRA shows that risks from GESC operations will be less than these values.
- EKAPCD Regulation II Rule 210.9 [construction of major stationary source of HAP]: The GESC is will not be a major stationary source of HAP, therefore this rule will not apply.
- EKAPCD Regulation IV Rule 423 [NESHAP]: This rule incorporates by reference the federal NESHAPS under 40 CFR Parts 61 and 63; applicability is discussed under federal LORS.

5.9.5.4 Permits Required and Schedule

Agency-required permits or plans related to public health include a hazardous materials management plan (HMMP) and EKAPCD Permits to Construct/Permits to Operate air emission units. These requirements are discussed in detail in the Hazardous Materials Handling section and Section 5.1, Air Quality, respectively.

5.9.5.5 Agencies Involved and Agency Contacts

Table 5.9-8 provides contact information for agencies involved with Public Health.

Table 5.9-8: Agency Contacts for Public Health

| Public Health Concern | Regulatory Agency | Regulatory Contact |
|---|---|--|
| Public exposure to air pollutants | EPA Region 9 | Deborah Jordan, Acting Regional Administrator EPA Region 9 75 Hawthorne St. San Francisco, CA 94105 (415) 947-8000 |
| Public exposure to air pollutants | CARB | LinYing Li 1001 I Street, 19 th Floor Sacramento, CA 95814 (916) 322 1721 |
| Public exposure to air pollutants | EKAPCD | Glen Stephens, P.E., Air Pollution Control Officer 2700 M Street, Suite 302 Bakersfield, CA 93301 (661) 862-5250 |
| Public exposure to chemicals known to cause cancer or reproductive toxicity | OEHHA | Martha Sandy, Ph.D., Branch Chief 1001 I Street, 19 th Floor Sacramento, CA 95814 (916) 324-7572 |
| Public exposure to acutely hazardous materials | Kern County Public Health Services Department of Toxic Substance Control | Brynn Carrigan, Director 2700 M Street, Suite 300 Bakersfield, CA 93301-2370 (661) 862-8740 |

5.9.6 References

- Air Resources Board (ARB) and California Air Pollution Control Officers Association (CAPCOA). Risk Management Guidance Document. July 2015. Accessed online at <https://ww2.arb.ca.gov/sites/default/files/classic/toxics/rma/rmgssat.pdf>.
- California Air Resources Board. (CARB). Consolidated table of OEHHA/ARB approved risk assessment health values. October 2, 2020. Accessed online at <https://ww3.arb.ca.gov/toxics/healthval/contable.pdf>.
- California Code of Regulations. [Browse - California Code of Regulations \(westlaw.com\)](#)
- California Health and Safety Code. [Codes: Codes Tree - Health and Safety Code - HSC \(ca.gov\)](#)
- Cooling Tower Institute (CTI). 2008. Legionellosis-Guideline-Best Practices for Control of Legionella. WTB-148, July.
- Eastern Kern APCD. 2020. 2019 Annual AB2588 Air Toxics Report. September 3.
- Eastern Kern APCD 2018-2019 Information Report
- Eastern Kern County APCD Rules. [EKAPCD : Rule Book \(kernair.org\)](#)
- Hotspots Analysis and Reporting Program. (HARP). 2015. User Guide, Version 2.0.3. Cal-EPA Air Resources Board, ADMRT Version 21081.
- Hutt. P.B. 1985. "Use of Quantitative Risk Assessment in Regulatory Decision Making Under Federal Health and Safety Statutes." Risk Quantitation and Regulatory Policy. Eds. D.G. Hoel, R.A. Merrill and F.P. Perera. Banbury Report 19, Cold Springs Laboratory.
- Kern County Community Health Assessment and Improvement Plan (2018-2019)
- National Cancer Institute. <https://cancerstatisticscenter.cancer.org/#/>. Accessed August 23, 2021.
- National Institute of Environmental Health Sciences (NIEHS). 1999. Environmental Health Institute report concludes evidence is 'weak' that EMFs cause cancer. Press release. National Institute of Environmental Health Sciences, National Institutes of Health.
- Office of Environmental Health Hazard Assessment/California Air Resources Board. (OEHHA/CARB). 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines, Cal-EPA. February 2015.
- Risk Science Associates, Inc., 2008. Liberty Energy XXIII-Renewable Energy Power Plant Project, Draft EIR, Public Health Section D.11, Aspen Environmental Group, June
- Travis, C.C., E.A.C. Crouch, R. Wilson, and E.D. Klema. 1987. "Cancer Risk Management: A Review of 132 Federal Regulatory Cases." Environ. Sci. Technol. 21: 415-420.
- U.S. Census Bureau. (2021) <https://www.census.gov/>. Accessed August 23, 2021.

APPENDIX 5.9A

List of Receptors

Appendix 5.9A - Table 1
List of Receptors used in the Analysis - Gem Site

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-----------|-----------|-------------|-----------------------|------------------|--|
| 1 | SR-GEM-01 | 391,139.8 | 3,858,346.9 | 718.6 | Sensitive | Kids 1st Academy WeeCare |
| 2 | SR-GEM-02 | 392,327.7 | 3,858,642.6 | 713.4 | Sensitive | Rosamond Urgent Care |
| 3 | SR-GEM-03 | 392,731.6 | 3,858,335.5 | 710.1 | Sensitive | Watch This! Child Care |
| 4 | SR-GEM-04 | 391,204.3 | 3,857,573.9 | 714.7 | Sensitive | A Genuine Start WeeCare |
| 5 | SR-GEM-05 | 387,690.6 | 3,858,940.3 | 736.0 | Sensitive | Southern Kern Unified School |
| 6 | SR-GEM-06 | 387,743.3 | 3,858,937.5 | 736.1 | Sensitive | Tropico Middle School |
| 7 | SR-GEM-07 | 391,901.6 | 3,858,705.8 | 716.7 | Sensitive | Rosamond High School |
| 8 | SR-GEM-08 | 392,039.9 | 3,858,653.4 | 715.5 | Sensitive | Rare Earth High School |
| 9 | SR-GEM-09 | 392,297.9 | 3,859,019.3 | 714.0 | Sensitive | Southern Kern Unified School |
| 10 | SR-GEM-10 | 392,206.5 | 3,858,663.7 | 714.3 | Sensitive | Southern Kern Unified School |
| 11 | SR-GEM-11 | 393,080.1 | 3,859,057.0 | 716.5 | Sensitive | Rosamond Christian School |
| 12 | SR-GEM-12 | 393,137.1 | 3,858,793.9 | 714.9 | Sensitive | Rosamond Elementary School |
| 13 | SR-GEM-13 | 390,764.1 | 3,857,098.0 | 714.6 | Sensitive | Westpark Elementary |
| 14 | SR-GEM-14 | 393,344.0 | 3,857,872.5 | 708.1 | Sensitive | Rosamond Senior Citizens Inc. |
| 15 | SR-GEM-15 | 390,608.4 | 3,857,356.7 | 716.1 | Sensitive | Perfect Start Learning |
| 16 | SR-GEM-16 | 391,983.1 | 3,859,510.0 | 728.7 | Sensitive | Training Station Day Care |
| 17 | SR-GEM-17 | 395,638.4 | 3,859,118.3 | 715.4 | Sensitive | Lukenbill, Kathryn Family Child Care |
| 18 | SR-GEM-18 | 392,402.7 | 3,859,337.2 | 724.0 | Sensitive | Community Action Partnership |
| 19 | SR-GEM-19 | 392,479.2 | 3,858,740.9 | 712.5 | Sensitive | Pacific Dental Care |
| 20 | SR-GEM-20 | 393,235.7 | 3,858,912.7 | 716.0 | Sensitive | Rosamond Park |
| 21 | SR-GEM-21 | 385,087.8 | 3,860,105.1 | 748.4 | Sensitive | Walt James Stadium |
| 22 | SR-GEM-22 | 390,760.0 | 3,858,642.7 | 723.5 | Sensitive | Rosamond Public Library |
| 23 | RD-GEM-01 | 382,133.8 | 3,862,674.6 | 807.9 | Residential | Residence North of Site |
| 24 | RD-GEM-02 | 381,795.3 | 3,862,677.9 | 809.2 | Residential | Residence Northwest of Site |
| 25 | RD-GEM-03 | 382,488.1 | 3,862,757.8 | 807.8 | Residential | Residence North of Site |
| 26 | RD-GEM-04 | 382,960.8 | 3,861,824.0 | 799.6 | Residential | Residence East of Site |
| 27 | RD-GEM-05 | 382,087.6 | 3,861,630.8 | 797.9 | Residential | Residence West of Site |
| 28 | RD-GEM-06 | 381,963.7 | 3,861,691.6 | 798.1 | Residential | Residence West of Site |
| 29 | RD-GEM-07 | 382,105.1 | 3,861,348.4 | 797.0 | Residential | Residence South of Site |
| 30 | RD-GEM-08 | 382,068.1 | 3,860,826.4 | 805.7 | Residential | Residence South of Site |
| 31 | RD-GEM-09 | 381,968.1 | 3,860,753.4 | 800.8 | Residential | Residence South of Site |
| 32 | RD-GEM-10 | 381,699.1 | 3,860,399.4 | 778.9 | Residential | Residence South of Site |
| 33 | RD-GEM-11 | 381,927.1 | 3,860,282.4 | 776.4 | Residential | Residence South of Site |
| 34 | RD-GEM-12 | 382,075.1 | 3,859,813.4 | 762.4 | Residential | Residence South of Site |
| 35 | RD-GEM-13 | 382,115.1 | 3,859,534.4 | 758.8 | Residential | Residence South of Site |
| 36 | RD-GEM-14 | 381,519.1 | 3,859,816.4 | 763.3 | Residential | Residence South of Site |
| 37 | RD-GEM-15 | 383,652.7 | 3,861,829.7 | 794.2 | Residential | Residence East of Site |
| 38 | RD-GEM-16 | 383,698.9 | 3,861,529.9 | 812.0 | Residential | Residence East of Site |
| 39 | RD-GEM-17 | 382,105.5 | 3,863,176.3 | 813.4 | Residential | Residence North of Site |
| 40 | RD-GEM-18 | 381,683.1 | 3,863,166.9 | 814.8 | Residential | Residence Northwest of Site |
| 41 | RD-GEM-19 | 382,859.3 | 3,863,433.7 | 814.5 | Residential | Residence North of Site |
| 42 | RD-GEM-20 | 384,828.8 | 3,863,438.7 | 806.5 | Residential | Residence Northeast of Site |
| 43 | RD-GEM-21 | 385,017.5 | 3,863,362.2 | 804.6 | Residential | Residence Northeast of Site |
| 44 | RD-GEM-22 | 384,989.8 | 3,863,122.9 | 802.0 | Residential | Residence Northeast of Site |
| 45 | RD-GEM-23 | 382,078.4 | 3,865,031.2 | 838.2 | Residential | Residence North of Site |
| 46 | RD-GEM-24 | 382,308.4 | 3,865,886.6 | 849.4 | Residential | Residence North of Site |
| 47 | RD-GEM-25 | 380,452.7 | 3,864,387.6 | 843.2 | Residential | Residence Northwest of Site |
| 48 | RD-GEM-26 | 379,632.2 | 3,864,907.1 | 864.4 | Residential | Residence Northwest of Site |
| 49 | RD-GEM-27 | 379,242.4 | 3,864,591.7 | 864.0 | Residential | Residence Northwest of Site |
| 50 | RD-GEM-28 | 379,484.9 | 3,864,538.4 | 859.2 | Residential | Residence Northwest of Site |
| 51 | RD-GEM-29 | 379,338.8 | 3,864,405.0 | 859.4 | Residential | Residence Northwest of Site |
| 52 | RD-GEM-30 | 379,319.8 | 3,864,302.6 | 857.7 | Residential | Residence Northwest of Site |
| 53 | RD-GEM-31 | 379,140.5 | 3,864,200.0 | 857.1 | Residential | Residence Northwest of Site |
| 54 | RD-GEM-32 | 379,241.6 | 3,864,126.1 | 854.4 | Residential | Residence Northwest of Site |
| 55 | RD-GEM-33 | 379,152.0 | 3,864,123.6 | 855.2 | Residential | Residence Northwest of Site |
| 56 | RD-GEM-34 | 379,417.6 | 3,864,139.0 | 853.1 | Residential | Residence Northwest of Site |
| 57 | RD-GEM-35 | 379,431.8 | 3,864,078.1 | 851.8 | Residential | Residence Northwest of Site |
| 58 | RD-GEM-36 | 379,414.5 | 3,864,025.7 | 851.1 | Residential | Residence Northwest of Site |
| 59 | RD-GEM-37 | 379,420.8 | 3,863,976.8 | 849.9 | Residential | Residence Northwest of Site |
| 60 | RD-GEM-38 | 379,448.9 | 3,863,865.2 | 847.5 | Residential | Residence Northwest of Site |
| 61 | RD-GEM-39 | 379,653.2 | 3,864,002.3 | 847.7 | Residential | Residence Northwest of Site |
| 62 | RD-GEM-40 | 379,750.0 | 3,864,007.3 | 846.0 | Residential | Residence Northwest of Site |
| 63 | RD-GEM-41 | 379,824.4 | 3,864,086.4 | 845.9 | Residential | Residence Northwest of Site |
| 64 | RD-GEM-42 | 379,268.7 | 3,863,172.5 | 836.5 | Residential | Residence Northwest of Site |
| 65 | RD-GEM-43 | 379,543.6 | 3,862,874.1 | 827.2 | Residential | Residence Northwest of Site |
| 66 | RD-GEM-44 | 379,535.6 | 3,862,795.0 | 825.6 | Residential | Residence Northwest of Site |
| 67 | RD-GEM-45 | 380,919.4 | 3,863,425.4 | 823.9 | Residential | Residence Northwest of Site |
| 68 | RD-GEM-46 | 378,910.5 | 3,862,463.2 | 827.2 | Residential | Residence Northwest of Site |
| 69 | RD-GEM-47 | 376,855.7 | 3,862,015.4 | 835.5 | Residential | Residence West of Site |
| 70 | RD-GEM-48 | 378,859.9 | 3,862,078.0 | 821.4 | Residential | Residence West of Site |
| 71 | RD-GEM-49 | 379,023.5 | 3,861,979.3 | 816.5 | Residential | Residence West of Site |
| 72 | RD-GEM-50 | 379,512.9 | 3,861,965.7 | 812.2 | Residential | Residence West of Site |
| 73 | RD-GEM-51 | 380,245.1 | 3,862,113.6 | 807.8 | Residential | Residence West of Site |
| 74 | RD-GEM-52 | 380,745.9 | 3,861,962.9 | 802.6 | Residential | Residence West of Site |
| 75 | RD-GEM-53 | 377,022.9 | 3,862,602.2 | 843.2 | Residential | Residence West of Site |
| 76 | RD-GEM-54 | 373,886.3 | 3,860,982.6 | 838.3 | Residential | Residence West of future Transmission Line |
| 77 | RD-GEM-55 | 373,741.4 | 3,860,993.9 | 839.4 | Residential | Residence West of future Transmission Line |
| 78 | RD-GEM-56 | 373,805.3 | 3,860,967.9 | 838.2 | Residential | Residence West of future Transmission Line |
| 79 | RD-GEM-57 | 373,311.5 | 3,861,079.6 | 846.2 | Residential | Residence West of future Transmission Line |
| 80 | RD-GEM-58 | 373,204.0 | 3,861,069.4 | 846.7 | Residential | Residence West of future Transmission Line |
| 81 | RD-GEM-59 | 373,298.4 | 3,860,952.5 | 843.1 | Residential | Residence West of future Transmission Line |
| 82 | RD-GEM-60 | 373,292.5 | 3,860,760.7 | 838.6 | Residential | Residence West of future Transmission Line |
| 83 | RD-GEM-61 | 373,633.1 | 3,860,777.2 | 835.5 | Residential | Residence West of future Transmission Line |
| 84 | RD-GEM-62 | 373,718.9 | 3,860,771.9 | 834.2 | Residential | Residence West of future Transmission Line |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|------------------|--|
| 85 | RD-GEM-63 | 373,883.2 | 3,860,818.6 | 833.9 | Residential | Residence West of future Transmission Line |
| 86 | RD-GEM-64 | 373,629.5 | 3,860,682.5 | 833.6 | Residential | Residence West of future Transmission Line |
| 87 | RD-GEM-65 | 373,821.9 | 3,860,671.1 | 830.3 | Residential | Residence West of future Transmission Line |
| 88 | RD-GEM-66 | 373,400.9 | 3,860,456.6 | 829.8 | Residential | Residence West of future Transmission Line |
| 89 | RD-GEM-67 | 373,613.0 | 3,860,365.4 | 826.5 | Residential | Residence West of future Transmission Line |
| 90 | RD-GEM-68 | 373,770.6 | 3,860,360.4 | 825.1 | Residential | Residence West of future Transmission Line |
| 91 | RD-GEM-69 | 373,845.8 | 3,859,884.9 | 814.6 | Residential | Residence West of future Transmission Line |
| 92 | RD-GEM-70 | 373,275.1 | 3,859,824.0 | 819.3 | Residential | Residence West of future Transmission Line |
| 93 | RD-GEM-71 | 373,436.5 | 3,858,875.9 | 807.7 | Residential | Residence in Rosamond Blvd |
| 94 | RD-GEM-72 | 373,531.1 | 3,858,636.8 | 805.3 | Residential | Residence in Rosamond Blvd |
| 95 | RD-GEM-73 | 374,004.0 | 3,858,651.6 | 799.4 | Residential | Residence in Rosamond Blvd |
| 96 | RD-GEM-74 | 376,154.3 | 3,858,536.2 | 780.2 | Residential | Residence in Rosamond Blvd |
| 97 | RD-GEM-75 | 375,481.4 | 3,856,936.3 | 783.0 | Residential | Residence South of future Transmission Line |
| 98 | RD-GEM-76 | 375,348.2 | 3,855,945.0 | 777.8 | Residential | Residence South of future Transmission Line |
| 99 | RD-GEM-77 | 375,971.3 | 3,856,097.4 | 774.7 | Residential | Residence South of future Transmission Line |
| 100 | RD-GEM-78 | 376,090.6 | 3,856,126.9 | 773.8 | Residential | Residence South of future Transmission Line |
| 101 | RD-GEM-79 | 375,676.2 | 3,855,424.0 | 776.4 | Residential | Residence South of future Transmission Line |
| 102 | RD-GEM-80 | 375,834.0 | 3,855,402.9 | 774.9 | Residential | Residence South of future Transmission Line |
| 103 | RD-GEM-81 | 376,156.3 | 3,855,517.4 | 772.6 | Residential | Residence South of future Transmission Line |
| 104 | RD-GEM-82 | 376,195.9 | 3,855,712.8 | 772.2 | Residential | Residence South of future Transmission Line |
| 105 | RD-GEM-83 | 377,469.1 | 3,855,957.6 | 764.5 | Residential | Residence South of future Transmission Line |
| 106 | RD-GEM-84 | 377,209.3 | 3,855,503.0 | 766.0 | Residential | Residence South of future Transmission Line |
| 107 | RD-GEM-85 | 378,766.9 | 3,855,533.6 | 756.3 | Residential | Residence South of future Transmission Line |
| 108 | RD-GEM-86 | 380,546.2 | 3,855,983.4 | 747.9 | Residential | Residence South Proposed LADWP Sub-Station |
| 109 | RD-GEM-87 | 380,446.2 | 3,856,578.1 | 749.0 | Residential | Residence South Proposed LADWP Sub-Station |
| 110 | RD-GEM-88 | 380,284.7 | 3,857,155.1 | 750.2 | Residential | Residence South Proposed LADWP Sub-Station |
| 111 | RD-GEM-89 | 380,286.1 | 3,857,412.9 | 750.1 | Residential | Residence South Proposed LADWP Sub-Station |
| 112 | RD-GEM-90 | 380,385.5 | 3,857,837.9 | 750.4 | Residential | Residence East Proposed LADWP Sub-Station |
| 113 | RD-GEM-91 | 380,120.0 | 3,857,985.9 | 751.8 | Residential | Residence East Proposed LADWP Sub-Station |
| 114 | RD-GEM-92 | 380,961.4 | 3,858,572.9 | 750.6 | Residential | Residence East Proposed LADWP Sub-Station |
| 115 | RD-GEM-93 | 380,419.0 | 3,858,759.2 | 753.0 | Residential | Residence Northeast Proposed LADWP Sub-Station |
| 116 | RD-GEM-94 | 380,417.5 | 3,858,950.9 | 754.5 | Residential | Residence Northeast Proposed LADWP Sub-Station |
| 117 | RD-GEM-95 | 381,851.8 | 3,858,759.7 | 749.1 | Residential | Residence East Proposed LADWP Sub-Station |
| 118 | RD-GEM-96 | 381,134.4 | 3,858,129.7 | 747.8 | Residential | Residence East Proposed LADWP Sub-Station |
| 119 | RD-GEM-97 | 380,424.8 | 3,858,440.3 | 751.5 | Residential | Residence East Proposed LADWP Sub-Station |
| 120 | RD-GEM-98 | 380,596.5 | 3,858,569.7 | 751.3 | Residential | Residence East Proposed LADWP Sub-Station |
| 121 | RD-GEM-99 | 382,873.5 | 3,855,516.5 | 738.7 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 122 | RD-GEM-100 | 384,297.3 | 3,855,475.7 | 733.4 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 123 | RD-GEM-101 | 384,961.9 | 3,855,519.0 | 730.6 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 124 | RD-GEM-102 | 384,952.3 | 3,855,739.5 | 730.7 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 125 | RD-GEM-103 | 384,357.0 | 3,856,307.9 | 732.6 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 126 | RD-GEM-104 | 383,831.2 | 3,856,288.4 | 734.4 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 127 | RD-GEM-105 | 383,763.6 | 3,856,783.4 | 734.1 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 128 | RD-GEM-106 | 384,063.3 | 3,856,939.6 | 732.8 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 129 | RD-GEM-107 | 385,591.5 | 3,855,477.1 | 728.3 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 130 | RD-GEM-108 | 386,068.5 | 3,855,485.7 | 727.2 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 131 | RD-GEM-109 | 385,970.2 | 3,855,879.9 | 726.6 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 132 | RD-GEM-110 | 385,681.7 | 3,857,550.8 | 727.4 | Residential | Residence Southeast Proposed LADWP Sub-Station |
| 133 | RD-GEM-111 | 386,010.3 | 3,858,672.2 | 731.6 | Residential | Residence Southeast of Site |
| 134 | RD-GEM-112 | 385,195.1 | 3,858,972.5 | 734.0 | Residential | Residence Southeast of Site |
| 135 | RD-GEM-113 | 384,378.3 | 3,858,998.6 | 734.1 | Residential | Residence Southeast of Site |
| 136 | RD-GEM-114 | 384,383.1 | 3,859,201.1 | 734.3 | Residential | Residence Southeast of Site |
| 137 | RD-GEM-115 | 384,368.7 | 3,859,308.5 | 734.7 | Residential | Residence Southeast of Site |
| 138 | RD-GEM-116 | 383,900.2 | 3,858,861.7 | 740.1 | Residential | Residence Southeast of Site |
| 139 | RD-GEM-117 | 383,862.4 | 3,859,174.2 | 740.9 | Residential | Residence Southeast of Site |
| 140 | RD-GEM-118 | 383,644.4 | 3,859,430.3 | 748.2 | Residential | Residence Southeast of Site |
| 141 | RD-GEM-119 | 383,500.0 | 3,859,192.2 | 746.6 | Residential | Residence Southeast of Site |
| 142 | RD-GEM-120 | 383,269.9 | 3,859,104.4 | 748.7 | Residential | Residence Southeast of Site |
| 143 | RD-GEM-121 | 382,724.7 | 3,858,789.0 | 748.4 | Residential | Residence South of Site |
| 144 | RD-GEM-122 | 382,440.7 | 3,858,565.5 | 744.9 | Residential | Residence South of Site |
| 145 | RD-GEM-123 | 382,705.2 | 3,858,433.1 | 742.9 | Residential | Residence South of Site |
| 146 | RD-GEM-124 | 382,163.3 | 3,858,307.8 | 743.7 | Residential | Residence South of Site |
| 147 | RD-GEM-125 | 383,102.3 | 3,858,086.8 | 738.0 | Residential | Residence South of Site |
| 148 | RD-GEM-126 | 383,343.8 | 3,858,585.0 | 743.5 | Residential | Residence South of Site |
| 149 | RD-GEM-127 | 383,524.2 | 3,858,395.5 | 740.0 | Residential | Residence South of Site |
| 150 | RD-GEM-128 | 384,638.0 | 3,858,703.6 | 732.8 | Residential | Residence Southeast of Site |
| 151 | RD-GEM-129 | 387,189.5 | 3,858,267.1 | 726.7 | Residential | Residence Southeast of Site |
| 152 | RD-GEM-130 | 387,018.7 | 3,859,245.0 | 733.2 | Residential | Residence Southeast of Site |
| 153 | RD-GEM-131 | 387,585.4 | 3,859,532.7 | 741.0 | Residential | Residence Southeast of Site |
| 154 | RD-GEM-132 | 386,919.0 | 3,859,774.1 | 738.0 | Residential | Residence Southeast of Site |
| 155 | RD-GEM-133 | 387,858.1 | 3,859,775.0 | 745.2 | Residential | Residence Southeast of Site |
| 156 | RD-GEM-134 | 385,843.3 | 3,861,383.5 | 778.6 | Residential | Residence East of Site |
| 157 | RD-GEM-135 | 386,495.5 | 3,862,294.5 | 780.3 | Residential | Residence East of Site |
| 158 | WR-GEM-01 | 385,923.2 | 3,863,029.6 | 792.3 | Worker | Northeast of site |
| 159 | WR-GEM-02 | 377,958.8 | 3,866,775.0 | 937.7 | Worker | Solar Star, Northwest of site |
| 160 | WR-GEM-03 | 377,281.8 | 3,858,660.7 | 771.4 | Worker | Solar Star, Rosamond Blvd |
| 161 | WR-GEM-04 | 376,739.6 | 3,858,800.0 | 775.9 | Worker | Rosamond Solar Project, Rosamond Blvd |
| 162 | WR-GEM-05 | 374,112.5 | 3,858,750.6 | 798.8 | Worker | North Rosamond Solar, Rosamond Blvd |
| 163 | WR-GEM-06 | 373,904.9 | 3,857,077.2 | 796.2 | Worker | Solar Star California, South of future Transmission Line |
| 164 | WR-GEM-07 | 372,512.1 | 3,857,033.5 | 803.9 | Worker | SunPower Rosamond Solar Station, South of future Transmission Line |
| 165 | WR-GEM-08 | 372,916.6 | 3,856,277.8 | 796.1 | Worker | New Energy Solar, South of future Transmission Line |
| 166 | WR-GEM-09 | 371,397.1 | 3,853,906.0 | 791.8 | Worker | Solar Star, South of future Transmission Line |
| 167 | WR-GEM-10 | 387,411.4 | 3,860,147.8 | 793.9 | Worker | Tropico Gold Mine, Southeast of Site |
| 168 | WR-GEM-11 | 384,447.0 | 3,859,473.7 | 736.0 | Worker | Fast Lane Racing |
| 169 | FC-GEM-01 | 382,032.9 | 3,861,911.5 | 800.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 170 | FC-GEM-02 | 382,639.2 | 3,861,903.0 | 800.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 171 | FC-GEM-03 | 382,832.7 | 3,861,900.2 | 800.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 172 | FC-GEM-04 | 382,827.1 | 3,861,495.4 | 815.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|------------------|---|
| 261 | FC-GEM-93 | 382,831.7 | 3,861,831.1 | 799.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 262 | FC-GEM-94 | 382,831.6 | 3,861,821.2 | 799.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 263 | FC-GEM-95 | 382,831.5 | 3,861,811.4 | 800.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 264 | FC-GEM-96 | 382,831.3 | 3,861,801.5 | 800.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 265 | FC-GEM-97 | 382,831.2 | 3,861,791.6 | 800.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 266 | FC-GEM-98 | 382,831.1 | 3,861,781.7 | 800.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 267 | FC-GEM-99 | 382,830.9 | 3,861,771.9 | 801.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 268 | FC-GEM-100 | 382,830.8 | 3,861,762.0 | 801.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 269 | FC-GEM-101 | 382,830.6 | 3,861,752.1 | 801.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 270 | FC-GEM-102 | 382,830.5 | 3,861,742.3 | 802.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 271 | FC-GEM-103 | 382,830.4 | 3,861,732.4 | 802.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 272 | FC-GEM-104 | 382,830.2 | 3,861,722.5 | 802.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 273 | FC-GEM-105 | 382,830.1 | 3,861,712.6 | 803.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 274 | FC-GEM-106 | 382,830.0 | 3,861,702.8 | 803.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 275 | FC-GEM-107 | 382,829.8 | 3,861,692.9 | 804.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 276 | FC-GEM-108 | 382,829.7 | 3,861,683.0 | 804.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 277 | FC-GEM-109 | 382,829.5 | 3,861,673.1 | 805.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 278 | FC-GEM-110 | 382,829.4 | 3,861,663.3 | 805.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 279 | FC-GEM-111 | 382,829.3 | 3,861,653.4 | 806.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 280 | FC-GEM-112 | 382,829.1 | 3,861,643.5 | 806.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 281 | FC-GEM-113 | 382,829.0 | 3,861,633.6 | 807.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 282 | FC-GEM-114 | 382,828.9 | 3,861,623.8 | 807.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 283 | FC-GEM-115 | 382,828.7 | 3,861,613.9 | 808.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 284 | FC-GEM-116 | 382,828.6 | 3,861,604.0 | 808.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 285 | FC-GEM-117 | 382,828.5 | 3,861,594.1 | 809.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 286 | FC-GEM-118 | 382,828.3 | 3,861,584.3 | 809.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 287 | FC-GEM-119 | 382,828.2 | 3,861,574.4 | 810.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 288 | FC-GEM-120 | 382,828.0 | 3,861,564.5 | 811.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 289 | FC-GEM-121 | 382,827.9 | 3,861,554.7 | 811.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 290 | FC-GEM-122 | 382,827.8 | 3,861,544.8 | 812.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 291 | FC-GEM-123 | 382,827.6 | 3,861,534.9 | 813.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 292 | FC-GEM-124 | 382,827.5 | 3,861,525.0 | 813.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 293 | FC-GEM-125 | 382,827.4 | 3,861,515.2 | 814.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 294 | FC-GEM-126 | 382,827.2 | 3,861,505.3 | 814.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 295 | FC-GEM-127 | 382,817.1 | 3,861,495.6 | 815.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 296 | FC-GEM-128 | 382,807.2 | 3,861,495.7 | 814.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 297 | FC-GEM-129 | 382,797.2 | 3,861,495.9 | 814.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 298 | FC-GEM-130 | 382,787.3 | 3,861,496.1 | 814.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 299 | FC-GEM-131 | 382,777.3 | 3,861,496.2 | 814.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 300 | FC-GEM-132 | 382,767.4 | 3,861,496.4 | 813.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 301 | FC-GEM-133 | 382,757.4 | 3,861,496.5 | 813.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 302 | FC-GEM-134 | 382,747.5 | 3,861,496.7 | 813.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 303 | FC-GEM-135 | 382,737.5 | 3,861,496.9 | 813.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 304 | FC-GEM-136 | 382,727.5 | 3,861,497.0 | 812.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 305 | FC-GEM-137 | 382,717.6 | 3,861,497.2 | 812.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 306 | FC-GEM-138 | 382,707.6 | 3,861,497.3 | 812.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 307 | FC-GEM-139 | 382,697.7 | 3,861,497.5 | 811.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 308 | FC-GEM-140 | 382,687.7 | 3,861,497.7 | 811.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 309 | FC-GEM-141 | 382,677.8 | 3,861,497.8 | 811.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 310 | FC-GEM-142 | 382,667.8 | 3,861,498.0 | 810.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 311 | FC-GEM-143 | 382,657.9 | 3,861,498.1 | 810.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 312 | FC-GEM-144 | 382,647.9 | 3,861,498.3 | 809.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 313 | FC-GEM-145 | 382,638.0 | 3,861,498.5 | 809.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 314 | FC-GEM-146 | 382,628.0 | 3,861,498.6 | 808.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 315 | FC-GEM-147 | 382,618.0 | 3,861,498.8 | 808.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 316 | FC-GEM-148 | 382,608.1 | 3,861,499.0 | 807.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 317 | FC-GEM-149 | 382,598.1 | 3,861,499.1 | 807.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 318 | FC-GEM-150 | 382,588.2 | 3,861,499.3 | 806.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 319 | FC-GEM-151 | 382,578.2 | 3,861,499.4 | 806.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 320 | FC-GEM-152 | 382,568.3 | 3,861,499.6 | 805.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 321 | FC-GEM-153 | 382,558.3 | 3,861,499.8 | 805.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 322 | FC-GEM-154 | 382,548.4 | 3,861,499.9 | 804.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 323 | FC-GEM-155 | 382,538.4 | 3,861,500.1 | 804.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 324 | FC-GEM-156 | 382,528.5 | 3,861,500.2 | 803.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 325 | FC-GEM-157 | 382,518.5 | 3,861,500.4 | 803.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 326 | FC-GEM-158 | 382,508.5 | 3,861,500.6 | 803.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 327 | FC-GEM-159 | 382,498.6 | 3,861,500.7 | 802.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 328 | FC-GEM-160 | 382,488.6 | 3,861,500.9 | 802.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 329 | FC-GEM-161 | 382,478.7 | 3,861,501.0 | 801.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 330 | FC-GEM-162 | 382,468.7 | 3,861,501.2 | 801.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 331 | FC-GEM-163 | 382,458.8 | 3,861,501.4 | 801.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 332 | FC-GEM-164 | 382,448.8 | 3,861,501.5 | 800.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 333 | FC-GEM-165 | 382,438.9 | 3,861,501.7 | 800.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 334 | FC-GEM-166 | 382,428.9 | 3,861,501.8 | 800.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 335 | FC-GEM-167 | 382,419.0 | 3,861,502.0 | 800.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 336 | FC-GEM-168 | 382,409.0 | 3,861,502.2 | 799.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 337 | FC-GEM-169 | 382,399.0 | 3,861,502.3 | 799.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 338 | FC-GEM-170 | 382,389.1 | 3,861,502.5 | 799.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 339 | FC-GEM-171 | 382,379.1 | 3,861,502.7 | 799.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 340 | FC-GEM-172 | 382,369.2 | 3,861,502.8 | 799.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 341 | FC-GEM-173 | 382,359.2 | 3,861,503.0 | 799.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 342 | FC-GEM-174 | 382,349.3 | 3,861,503.1 | 799.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 343 | FC-GEM-175 | 382,339.3 | 3,861,503.3 | 798.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 344 | FC-GEM-176 | 382,329.4 | 3,861,503.5 | 798.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 345 | FC-GEM-177 | 382,319.4 | 3,861,503.6 | 798.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 346 | FC-GEM-178 | 382,309.5 | 3,861,503.8 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 347 | FC-GEM-179 | 382,299.5 | 3,861,503.9 | 798.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 348 | FC-GEM-180 | 382,289.5 | 3,861,504.1 | 798.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|------------------|---|
| 349 | FC-GEM-181 | 382,279.6 | 3,861,504.3 | 797.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 350 | FC-GEM-182 | 382,269.6 | 3,861,504.4 | 797.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 351 | FC-GEM-183 | 382,259.7 | 3,861,504.6 | 797.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 352 | FC-GEM-184 | 382,249.7 | 3,861,504.7 | 797.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 353 | FC-GEM-185 | 382,239.8 | 3,861,504.9 | 797.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 354 | FC-GEM-186 | 382,229.8 | 3,861,505.1 | 797.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 355 | FC-GEM-187 | 382,220.1 | 3,861,514.9 | 796.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 356 | FC-GEM-188 | 382,220.3 | 3,861,524.6 | 796.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 357 | FC-GEM-189 | 382,220.5 | 3,861,534.2 | 796.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 358 | FC-GEM-190 | 382,220.7 | 3,861,543.9 | 797.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 359 | FC-GEM-191 | 382,221.0 | 3,861,553.5 | 797.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 360 | FC-GEM-192 | 382,221.2 | 3,861,563.2 | 797.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 361 | FC-GEM-193 | 382,221.4 | 3,861,572.9 | 797.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 362 | FC-GEM-194 | 382,221.6 | 3,861,582.5 | 797.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 363 | FC-GEM-195 | 382,221.9 | 3,861,592.2 | 797.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 364 | FC-GEM-196 | 382,222.1 | 3,861,601.8 | 797.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 365 | FC-GEM-197 | 382,222.3 | 3,861,611.5 | 797.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 366 | FC-GEM-198 | 382,222.5 | 3,861,621.2 | 798.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 367 | FC-GEM-199 | 382,222.8 | 3,861,630.8 | 798.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 368 | FC-GEM-200 | 382,223.0 | 3,861,640.5 | 798.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 369 | FC-GEM-201 | 382,223.2 | 3,861,650.1 | 798.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 370 | FC-GEM-202 | 382,223.4 | 3,861,659.8 | 798.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 371 | FC-GEM-203 | 382,223.6 | 3,861,669.5 | 798.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 372 | FC-GEM-204 | 382,223.9 | 3,861,679.1 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 373 | FC-GEM-205 | 382,224.1 | 3,861,688.8 | 798.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 374 | FC-GEM-206 | 382,224.3 | 3,861,698.4 | 798.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 375 | FC-GEM-207 | 382,214.9 | 3,861,708.2 | 798.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 376 | FC-GEM-208 | 382,205.3 | 3,861,708.4 | 798.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 377 | FC-GEM-209 | 382,195.7 | 3,861,708.5 | 798.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 378 | FC-GEM-210 | 382,186.1 | 3,861,708.7 | 798.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 379 | FC-GEM-211 | 382,176.5 | 3,861,708.8 | 798.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 380 | FC-GEM-212 | 382,166.9 | 3,861,708.9 | 798.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 381 | FC-GEM-213 | 382,157.3 | 3,861,709.1 | 798.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 382 | FC-GEM-214 | 382,147.7 | 3,861,709.2 | 798.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 383 | FC-GEM-215 | 382,138.1 | 3,861,709.4 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 384 | FC-GEM-216 | 382,128.5 | 3,861,709.5 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 385 | FC-GEM-217 | 382,118.9 | 3,861,709.6 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 386 | FC-GEM-218 | 382,109.3 | 3,861,709.8 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 387 | FC-GEM-219 | 382,099.7 | 3,861,709.9 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 388 | FC-GEM-220 | 382,090.0 | 3,861,710.1 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 389 | FC-GEM-221 | 382,080.4 | 3,861,710.2 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 390 | FC-GEM-222 | 382,070.8 | 3,861,710.3 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 391 | FC-GEM-223 | 382,061.2 | 3,861,710.5 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 392 | FC-GEM-224 | 382,051.6 | 3,861,710.6 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 393 | FC-GEM-225 | 382,042.0 | 3,861,710.8 | 798.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 394 | FC-GEM-226 | 382,032.4 | 3,861,720.5 | 798.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 395 | FC-GEM-227 | 382,032.5 | 3,861,730.0 | 798.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 396 | FC-GEM-228 | 382,032.5 | 3,861,739.6 | 798.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 397 | FC-GEM-229 | 382,032.5 | 3,861,749.1 | 798.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 398 | FC-GEM-230 | 382,032.5 | 3,861,758.7 | 798.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 399 | FC-GEM-231 | 382,032.5 | 3,861,768.2 | 799.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 400 | FC-GEM-232 | 382,032.6 | 3,861,777.8 | 799.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 401 | FC-GEM-233 | 382,032.6 | 3,861,787.3 | 799.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 402 | FC-GEM-234 | 382,032.6 | 3,861,796.9 | 799.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 403 | FC-GEM-235 | 382,032.6 | 3,861,806.4 | 799.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 404 | FC-GEM-236 | 382,032.7 | 3,861,816.0 | 799.5 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 405 | FC-GEM-237 | 382,032.7 | 3,861,825.5 | 799.6 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 406 | FC-GEM-238 | 382,032.7 | 3,861,835.1 | 799.7 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 407 | FC-GEM-239 | 382,032.7 | 3,861,844.6 | 799.8 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 408 | FC-GEM-240 | 382,032.7 | 3,861,854.2 | 799.9 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 409 | FC-GEM-241 | 382,032.8 | 3,861,863.7 | 800.0 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 410 | FC-GEM-242 | 382,032.8 | 3,861,873.3 | 800.1 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 411 | FC-GEM-243 | 382,032.8 | 3,861,882.8 | 800.2 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 412 | FC-GEM-244 | 382,032.8 | 3,861,892.4 | 800.3 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 413 | FC-GEM-245 | 382,032.8 | 3,861,901.9 | 800.4 | Fenceline | The receptors were placed 10 meters apart in the fenceline. |
| 414 | GR-GEM-01 | 381,400.0 | 3,860,700.0 | 792.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 415 | GR-GEM-02 | 381,400.0 | 3,860,750.0 | 792.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 416 | GR-GEM-03 | 381,400.0 | 3,860,800.0 | 795.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 417 | GR-GEM-04 | 381,400.0 | 3,860,850.0 | 796.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 418 | GR-GEM-05 | 381,400.0 | 3,860,900.0 | 795.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 419 | GR-GEM-06 | 381,400.0 | 3,860,950.0 | 796.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 420 | GR-GEM-07 | 381,400.0 | 3,861,000.0 | 796.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 421 | GR-GEM-08 | 381,400.0 | 3,861,050.0 | 796.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 422 | GR-GEM-09 | 381,400.0 | 3,861,100.0 | 796.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 423 | GR-GEM-10 | 381,400.0 | 3,861,150.0 | 796.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 424 | GR-GEM-11 | 381,400.0 | 3,861,200.0 | 795.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 425 | GR-GEM-12 | 381,400.0 | 3,861,250.0 | 795.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 426 | GR-GEM-13 | 381,400.0 | 3,861,300.0 | 796.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 427 | GR-GEM-14 | 381,400.0 | 3,861,350.0 | 796.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 428 | GR-GEM-15 | 381,400.0 | 3,861,400.0 | 797.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 429 | GR-GEM-16 | 381,400.0 | 3,861,450.0 | 797.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 430 | GR-GEM-17 | 381,400.0 | 3,861,500.0 | 797.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 431 | GR-GEM-18 | 381,400.0 | 3,861,550.0 | 797.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 432 | GR-GEM-19 | 381,400.0 | 3,861,600.0 | 798.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 433 | GR-GEM-20 | 381,400.0 | 3,861,650.0 | 798.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 434 | GR-GEM-21 | 381,400.0 | 3,861,700.0 | 798.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 435 | GR-GEM-22 | 381,400.0 | 3,861,750.0 | 799.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 436 | GR-GEM-23 | 381,400.0 | 3,861,800.0 | 799.4 | Grid | Grid receptors were located from fenceline out to 10km. |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|------------------|---|
| 6597 | GR-GEM-6184 | 376,900.0 | 3,867,700.0 | 987.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6598 | GR-GEM-6185 | 376,900.0 | 3,868,200.0 | 0.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6599 | GR-GEM-6186 | 376,900.0 | 3,868,700.0 | 17.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6600 | GR-GEM-6187 | 376,900.0 | 3,869,200.0 | 28.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6601 | GR-GEM-6188 | 376,900.0 | 3,869,700.0 | 43.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6602 | GR-GEM-6189 | 376,900.0 | 3,870,200.0 | 58.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6603 | GR-GEM-6190 | 376,900.0 | 3,870,700.0 | 75.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6604 | GR-GEM-6191 | 376,900.0 | 3,871,200.0 | 94.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6605 | GR-GEM-6192 | 376,900.0 | 3,871,700.0 | 110.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6606 | GR-GEM-6193 | 376,900.0 | 3,872,200.0 | 132.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6607 | GR-GEM-6194 | 377,400.0 | 3,867,700.0 | 970.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6608 | GR-GEM-6195 | 377,400.0 | 3,868,200.0 | 982.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6609 | GR-GEM-6196 | 377,400.0 | 3,868,700.0 | 998.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6610 | GR-GEM-6197 | 377,400.0 | 3,869,200.0 | 9.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6611 | GR-GEM-6198 | 377,400.0 | 3,869,700.0 | 23.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6612 | GR-GEM-6199 | 377,400.0 | 3,870,200.0 | 37.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6613 | GR-GEM-6200 | 377,400.0 | 3,870,700.0 | 53.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6614 | GR-GEM-6201 | 377,400.0 | 3,871,200.0 | 68.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6615 | GR-GEM-6202 | 377,400.0 | 3,871,700.0 | 84.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6616 | GR-GEM-6203 | 377,400.0 | 3,872,200.0 | 106.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6617 | GR-GEM-6204 | 377,900.0 | 3,867,700.0 | 956.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6618 | GR-GEM-6205 | 377,900.0 | 3,868,200.0 | 968.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6619 | GR-GEM-6206 | 377,900.0 | 3,868,700.0 | 980.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6620 | GR-GEM-6207 | 377,900.0 | 3,869,200.0 | 993.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6621 | GR-GEM-6208 | 377,900.0 | 3,869,700.0 | 3.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6622 | GR-GEM-6209 | 377,900.0 | 3,870,200.0 | 17.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6623 | GR-GEM-6210 | 377,900.0 | 3,870,700.0 | 33.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6624 | GR-GEM-6211 | 377,900.0 | 3,871,200.0 | 48.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6625 | GR-GEM-6212 | 377,900.0 | 3,871,700.0 | 60.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6626 | GR-GEM-6213 | 377,900.0 | 3,872,200.0 | 78.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6627 | GR-GEM-6214 | 378,400.0 | 3,867,700.0 | 944.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6628 | GR-GEM-6215 | 378,400.0 | 3,868,200.0 | 955.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6629 | GR-GEM-6216 | 378,400.0 | 3,868,700.0 | 966.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6630 | GR-GEM-6217 | 378,400.0 | 3,869,200.0 | 976.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6631 | GR-GEM-6218 | 378,400.0 | 3,869,700.0 | 986.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6632 | GR-GEM-6219 | 378,400.0 | 3,870,200.0 | 999.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6633 | GR-GEM-6220 | 378,400.0 | 3,870,700.0 | 13.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6634 | GR-GEM-6221 | 378,400.0 | 3,871,200.0 | 26.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6635 | GR-GEM-6222 | 378,400.0 | 3,871,700.0 | 38.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6636 | GR-GEM-6223 | 378,400.0 | 3,872,200.0 | 51.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6637 | GR-GEM-6224 | 378,900.0 | 3,867,700.0 | 932.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6638 | GR-GEM-6225 | 378,900.0 | 3,868,200.0 | 941.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6639 | GR-GEM-6226 | 378,900.0 | 3,868,700.0 | 952.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6640 | GR-GEM-6227 | 378,900.0 | 3,869,200.0 | 960.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6641 | GR-GEM-6228 | 378,900.0 | 3,869,700.0 | 970.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6642 | GR-GEM-6229 | 378,900.0 | 3,870,200.0 | 982.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6643 | GR-GEM-6230 | 378,900.0 | 3,870,700.0 | 995.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6644 | GR-GEM-6231 | 378,900.0 | 3,871,200.0 | 10.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6645 | GR-GEM-6232 | 378,900.0 | 3,871,700.0 | 18.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6646 | GR-GEM-6233 | 378,900.0 | 3,872,200.0 | 34.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6647 | GR-GEM-6234 | 379,400.0 | 3,867,700.0 | 918.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6648 | GR-GEM-6235 | 379,400.0 | 3,868,200.0 | 927.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6649 | GR-GEM-6236 | 379,400.0 | 3,868,700.0 | 934.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6650 | GR-GEM-6237 | 379,400.0 | 3,869,200.0 | 943.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6651 | GR-GEM-6238 | 379,400.0 | 3,869,700.0 | 956.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6652 | GR-GEM-6239 | 379,400.0 | 3,870,200.0 | 969.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6653 | GR-GEM-6240 | 379,400.0 | 3,870,700.0 | 979.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6654 | GR-GEM-6241 | 379,400.0 | 3,871,200.0 | 991.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6655 | GR-GEM-6242 | 379,400.0 | 3,871,700.0 | 3.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6656 | GR-GEM-6243 | 379,400.0 | 3,872,200.0 | 18.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6657 | GR-GEM-6244 | 379,900.0 | 3,867,700.0 | 906.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6658 | GR-GEM-6245 | 379,900.0 | 3,868,200.0 | 913.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6659 | GR-GEM-6246 | 379,900.0 | 3,868,700.0 | 920.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6660 | GR-GEM-6247 | 379,900.0 | 3,869,200.0 | 931.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6661 | GR-GEM-6248 | 379,900.0 | 3,869,700.0 | 943.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6662 | GR-GEM-6249 | 379,900.0 | 3,870,200.0 | 952.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6663 | GR-GEM-6250 | 379,900.0 | 3,870,700.0 | 964.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6664 | GR-GEM-6251 | 379,900.0 | 3,871,200.0 | 977.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6665 | GR-GEM-6252 | 379,900.0 | 3,871,700.0 | 993.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6666 | GR-GEM-6253 | 379,900.0 | 3,872,200.0 | 5.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6667 | GR-GEM-6254 | 380,400.0 | 3,867,700.0 | 894.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6668 | GR-GEM-6255 | 380,400.0 | 3,868,200.0 | 902.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6669 | GR-GEM-6256 | 380,400.0 | 3,868,700.0 | 909.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6670 | GR-GEM-6257 | 380,400.0 | 3,869,200.0 | 920.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6671 | GR-GEM-6258 | 380,400.0 | 3,869,700.0 | 930.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6672 | GR-GEM-6259 | 380,400.0 | 3,870,200.0 | 942.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6673 | GR-GEM-6260 | 380,400.0 | 3,870,700.0 | 954.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6674 | GR-GEM-6261 | 380,400.0 | 3,871,200.0 | 968.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6675 | GR-GEM-6262 | 380,400.0 | 3,871,700.0 | 980.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6676 | GR-GEM-6263 | 380,400.0 | 3,872,200.0 | 992.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6677 | GR-GEM-6264 | 380,900.0 | 3,867,700.0 | 885.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6678 | GR-GEM-6265 | 380,900.0 | 3,868,200.0 | 891.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6679 | GR-GEM-6266 | 380,900.0 | 3,868,700.0 | 900.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6680 | GR-GEM-6267 | 380,900.0 | 3,869,200.0 | 910.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6681 | GR-GEM-6268 | 380,900.0 | 3,869,700.0 | 922.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6682 | GR-GEM-6269 | 380,900.0 | 3,870,200.0 | 933.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6683 | GR-GEM-6270 | 380,900.0 | 3,870,700.0 | 947.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6684 | GR-GEM-6271 | 380,900.0 | 3,871,200.0 | 961.2 | Grid | Grid receptors were located from fenceline out to 10km. |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|------------------|---|
| 6685 | GR-GEM-6272 | 380,900.0 | 3,871,700.0 | 971.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6686 | GR-GEM-6273 | 380,900.0 | 3,872,200.0 | 981.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6687 | GR-GEM-6274 | 381,400.0 | 3,867,700.0 | 878.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6688 | GR-GEM-6275 | 381,400.0 | 3,868,200.0 | 887.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6689 | GR-GEM-6276 | 381,400.0 | 3,868,700.0 | 898.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6690 | GR-GEM-6277 | 381,400.0 | 3,869,200.0 | 907.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6691 | GR-GEM-6278 | 381,400.0 | 3,869,700.0 | 917.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6692 | GR-GEM-6279 | 381,400.0 | 3,870,200.0 | 929.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6693 | GR-GEM-6280 | 381,400.0 | 3,870,700.0 | 940.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6694 | GR-GEM-6281 | 381,400.0 | 3,871,200.0 | 951.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6695 | GR-GEM-6282 | 381,400.0 | 3,871,700.0 | 961.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6696 | GR-GEM-6283 | 381,400.0 | 3,872,200.0 | 969.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6697 | GR-GEM-6284 | 381,900.0 | 3,867,700.0 | 877.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6698 | GR-GEM-6285 | 381,900.0 | 3,868,200.0 | 884.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6699 | GR-GEM-6286 | 381,900.0 | 3,868,700.0 | 895.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6700 | GR-GEM-6287 | 381,900.0 | 3,869,200.0 | 905.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6701 | GR-GEM-6288 | 381,900.0 | 3,869,700.0 | 912.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6702 | GR-GEM-6289 | 381,900.0 | 3,870,200.0 | 922.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6703 | GR-GEM-6290 | 381,900.0 | 3,870,700.0 | 933.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6704 | GR-GEM-6291 | 381,900.0 | 3,871,200.0 | 943.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6705 | GR-GEM-6292 | 381,900.0 | 3,871,700.0 | 951.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6706 | GR-GEM-6293 | 381,900.0 | 3,872,200.0 | 959.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6707 | GR-GEM-6294 | 382,400.0 | 3,867,700.0 | 873.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6708 | GR-GEM-6295 | 382,400.0 | 3,868,200.0 | 883.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6709 | GR-GEM-6296 | 382,400.0 | 3,868,700.0 | 917.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6710 | GR-GEM-6297 | 382,400.0 | 3,869,200.0 | 952.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6711 | GR-GEM-6298 | 382,400.0 | 3,869,700.0 | 936.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6712 | GR-GEM-6299 | 382,400.0 | 3,870,200.0 | 920.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6713 | GR-GEM-6300 | 382,400.0 | 3,870,700.0 | 927.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6714 | GR-GEM-6301 | 382,400.0 | 3,871,200.0 | 935.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6715 | GR-GEM-6302 | 382,400.0 | 3,871,700.0 | 944.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6716 | GR-GEM-6303 | 382,400.0 | 3,872,200.0 | 952.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6717 | GR-GEM-6304 | 382,900.0 | 3,867,700.0 | 868.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6718 | GR-GEM-6305 | 382,900.0 | 3,868,200.0 | 873.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6719 | GR-GEM-6306 | 382,900.0 | 3,868,700.0 | 900.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6720 | GR-GEM-6307 | 382,900.0 | 3,869,200.0 | 4.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6721 | GR-GEM-6308 | 382,900.0 | 3,869,700.0 | 920.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6722 | GR-GEM-6309 | 382,900.0 | 3,870,200.0 | 959.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6723 | GR-GEM-6310 | 382,900.0 | 3,870,700.0 | 928.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6724 | GR-GEM-6311 | 382,900.0 | 3,871,200.0 | 935.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6725 | GR-GEM-6312 | 382,900.0 | 3,871,700.0 | 942.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6726 | GR-GEM-6313 | 382,900.0 | 3,872,200.0 | 949.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6727 | GR-GEM-6314 | 383,400.0 | 3,867,700.0 | 862.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6728 | GR-GEM-6315 | 383,400.0 | 3,868,200.0 | 889.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6729 | GR-GEM-6316 | 383,400.0 | 3,868,700.0 | 913.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6730 | GR-GEM-6317 | 383,400.0 | 3,869,200.0 | 960.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6731 | GR-GEM-6318 | 383,400.0 | 3,869,700.0 | 40.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6732 | GR-GEM-6319 | 383,400.0 | 3,870,200.0 | 988.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6733 | GR-GEM-6320 | 383,400.0 | 3,870,700.0 | 950.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6734 | GR-GEM-6321 | 383,400.0 | 3,871,200.0 | 947.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6735 | GR-GEM-6322 | 383,400.0 | 3,871,700.0 | 940.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6736 | GR-GEM-6323 | 383,400.0 | 3,872,200.0 | 945.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6737 | GR-GEM-6324 | 383,900.0 | 3,867,700.0 | 860.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6738 | GR-GEM-6325 | 383,900.0 | 3,868,200.0 | 867.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6739 | GR-GEM-6326 | 383,900.0 | 3,868,700.0 | 938.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6740 | GR-GEM-6327 | 383,900.0 | 3,869,200.0 | 0.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6741 | GR-GEM-6328 | 383,900.0 | 3,869,700.0 | 911.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6742 | GR-GEM-6329 | 383,900.0 | 3,870,200.0 | 8.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6743 | GR-GEM-6330 | 383,900.0 | 3,870,700.0 | 996.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6744 | GR-GEM-6331 | 383,900.0 | 3,871,200.0 | 950.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6745 | GR-GEM-6332 | 383,900.0 | 3,871,700.0 | 935.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6746 | GR-GEM-6333 | 383,900.0 | 3,872,200.0 | 941.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6747 | GR-GEM-6334 | 384,400.0 | 3,867,700.0 | 862.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6748 | GR-GEM-6335 | 384,400.0 | 3,868,200.0 | 871.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6749 | GR-GEM-6336 | 384,400.0 | 3,868,700.0 | 879.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6750 | GR-GEM-6337 | 384,400.0 | 3,869,200.0 | 919.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6751 | GR-GEM-6338 | 384,400.0 | 3,869,700.0 | 900.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6752 | GR-GEM-6339 | 384,400.0 | 3,870,200.0 | 909.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6753 | GR-GEM-6340 | 384,400.0 | 3,870,700.0 | 917.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6754 | GR-GEM-6341 | 384,400.0 | 3,871,200.0 | 943.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6755 | GR-GEM-6342 | 384,400.0 | 3,871,700.0 | 932.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6756 | GR-GEM-6343 | 384,400.0 | 3,872,200.0 | 936.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6757 | GR-GEM-6344 | 384,900.0 | 3,867,700.0 | 867.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6758 | GR-GEM-6345 | 384,900.0 | 3,868,200.0 | 872.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6759 | GR-GEM-6346 | 384,900.0 | 3,868,700.0 | 881.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6760 | GR-GEM-6347 | 384,900.0 | 3,869,200.0 | 889.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6761 | GR-GEM-6348 | 384,900.0 | 3,869,700.0 | 899.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6762 | GR-GEM-6349 | 384,900.0 | 3,870,200.0 | 906.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6763 | GR-GEM-6350 | 384,900.0 | 3,870,700.0 | 912.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6764 | GR-GEM-6351 | 384,900.0 | 3,871,200.0 | 911.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6765 | GR-GEM-6352 | 384,900.0 | 3,871,700.0 | 924.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6766 | GR-GEM-6353 | 384,900.0 | 3,872,200.0 | 931.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6767 | GR-GEM-6354 | 385,400.0 | 3,867,700.0 | 867.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6768 | GR-GEM-6355 | 385,400.0 | 3,868,200.0 | 874.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6769 | GR-GEM-6356 | 385,400.0 | 3,868,700.0 | 879.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6770 | GR-GEM-6357 | 385,400.0 | 3,869,200.0 | 887.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6771 | GR-GEM-6358 | 385,400.0 | 3,869,700.0 | 893.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6772 | GR-GEM-6359 | 385,400.0 | 3,870,200.0 | 899.4 | Grid | Grid receptors were located from fenceline out to 10km. |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|------------------|---|
| 6861 | GR-GEM-6448 | 389,900.0 | 3,869,700.0 | 16.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6862 | GR-GEM-6449 | 389,900.0 | 3,870,200.0 | 881.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6863 | GR-GEM-6450 | 389,900.0 | 3,870,700.0 | 868.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6864 | GR-GEM-6451 | 389,900.0 | 3,871,200.0 | 864.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6865 | GR-GEM-6452 | 389,900.0 | 3,871,700.0 | 868.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6866 | GR-GEM-6453 | 389,900.0 | 3,872,200.0 | 872.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6867 | GR-GEM-6454 | 390,400.0 | 3,867,700.0 | 832.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6868 | GR-GEM-6455 | 390,400.0 | 3,868,200.0 | 835.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6869 | GR-GEM-6456 | 390,400.0 | 3,868,700.0 | 838.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6870 | GR-GEM-6457 | 390,400.0 | 3,869,200.0 | 892.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6871 | GR-GEM-6458 | 390,400.0 | 3,869,700.0 | 867.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6872 | GR-GEM-6459 | 390,400.0 | 3,870,200.0 | 989.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6873 | GR-GEM-6460 | 390,400.0 | 3,870,700.0 | 894.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6874 | GR-GEM-6461 | 390,400.0 | 3,871,200.0 | 921.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6875 | GR-GEM-6462 | 390,400.0 | 3,871,700.0 | 958.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6876 | GR-GEM-6463 | 390,400.0 | 3,872,200.0 | 910.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6877 | GR-GEM-6464 | 390,900.0 | 3,867,700.0 | 825.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6878 | GR-GEM-6465 | 390,900.0 | 3,868,200.0 | 828.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6879 | GR-GEM-6466 | 390,900.0 | 3,868,700.0 | 831.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6880 | GR-GEM-6467 | 390,900.0 | 3,869,200.0 | 872.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6881 | GR-GEM-6468 | 390,900.0 | 3,869,700.0 | 940.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6882 | GR-GEM-6469 | 390,900.0 | 3,870,200.0 | 942.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6883 | GR-GEM-6470 | 390,900.0 | 3,870,700.0 | 931.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6884 | GR-GEM-6471 | 390,900.0 | 3,871,200.0 | 34.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6885 | GR-GEM-6472 | 390,900.0 | 3,871,700.0 | 100.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6886 | GR-GEM-6473 | 390,900.0 | 3,872,200.0 | 19.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6887 | GR-GEM-6474 | 391,400.0 | 3,867,700.0 | 819.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6888 | GR-GEM-6475 | 391,400.0 | 3,868,200.0 | 822.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6889 | GR-GEM-6476 | 391,400.0 | 3,868,700.0 | 825.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6890 | GR-GEM-6477 | 391,400.0 | 3,869,200.0 | 827.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6891 | GR-GEM-6478 | 391,400.0 | 3,869,700.0 | 882.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6892 | GR-GEM-6479 | 391,400.0 | 3,870,200.0 | 879.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6893 | GR-GEM-6480 | 391,400.0 | 3,870,700.0 | 921.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6894 | GR-GEM-6481 | 391,400.0 | 3,871,200.0 | 99.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6895 | GR-GEM-6482 | 391,400.0 | 3,871,700.0 | 242.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6896 | GR-GEM-6483 | 391,400.0 | 3,872,200.0 | 58.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6897 | GR-GEM-6484 | 391,900.0 | 3,867,700.0 | 814.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6898 | GR-GEM-6485 | 391,900.0 | 3,868,200.0 | 815.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6899 | GR-GEM-6486 | 391,900.0 | 3,868,700.0 | 816.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6900 | GR-GEM-6487 | 391,900.0 | 3,869,200.0 | 813.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6901 | GR-GEM-6488 | 391,900.0 | 3,869,700.0 | 826.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6902 | GR-GEM-6489 | 391,900.0 | 3,870,200.0 | 871.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6903 | GR-GEM-6490 | 391,900.0 | 3,870,700.0 | 996.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6904 | GR-GEM-6491 | 391,900.0 | 3,871,200.0 | 137.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6905 | GR-GEM-6492 | 391,900.0 | 3,871,700.0 | 62.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6906 | GR-GEM-6493 | 391,900.0 | 3,872,200.0 | 31.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6907 | GR-GEM-6494 | 392,400.0 | 3,867,700.0 | 807.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6908 | GR-GEM-6495 | 392,400.0 | 3,868,200.0 | 809.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6909 | GR-GEM-6496 | 392,400.0 | 3,868,700.0 | 809.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6910 | GR-GEM-6497 | 392,400.0 | 3,869,200.0 | 809.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6911 | GR-GEM-6498 | 392,400.0 | 3,869,700.0 | 820.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6912 | GR-GEM-6499 | 392,400.0 | 3,870,200.0 | 868.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6913 | GR-GEM-6500 | 392,400.0 | 3,870,700.0 | 15.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6914 | GR-GEM-6501 | 392,400.0 | 3,871,200.0 | 2.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6915 | GR-GEM-6502 | 392,400.0 | 3,871,700.0 | 923.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6916 | GR-GEM-6503 | 392,400.0 | 3,872,200.0 | 898.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6917 | GR-GEM-6504 | 392,900.0 | 3,867,700.0 | 802.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6918 | GR-GEM-6505 | 392,900.0 | 3,868,200.0 | 803.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6919 | GR-GEM-6506 | 392,900.0 | 3,868,700.0 | 801.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6920 | GR-GEM-6507 | 392,900.0 | 3,869,200.0 | 800.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6921 | GR-GEM-6508 | 392,900.0 | 3,869,700.0 | 814.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6922 | GR-GEM-6509 | 392,900.0 | 3,870,200.0 | 932.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6923 | GR-GEM-6510 | 392,900.0 | 3,870,700.0 | 941.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6924 | GR-GEM-6511 | 392,900.0 | 3,871,200.0 | 903.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6925 | GR-GEM-6512 | 392,900.0 | 3,871,700.0 | 881.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6926 | GR-GEM-6513 | 392,900.0 | 3,872,200.0 | 841.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6927 | GR-GEM-6514 | 388,400.0 | 3,867,200.0 | 844.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6928 | GR-GEM-6515 | 388,400.0 | 3,866,700.0 | 842.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6929 | GR-GEM-6516 | 388,400.0 | 3,866,200.0 | 837.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6930 | GR-GEM-6517 | 388,400.0 | 3,865,700.0 | 840.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6931 | GR-GEM-6518 | 388,400.0 | 3,865,200.0 | 877.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6932 | GR-GEM-6519 | 388,400.0 | 3,864,700.0 | 839.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6933 | GR-GEM-6520 | 388,400.0 | 3,864,200.0 | 816.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6934 | GR-GEM-6521 | 388,400.0 | 3,863,700.0 | 786.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6935 | GR-GEM-6522 | 388,400.0 | 3,863,200.0 | 792.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6936 | GR-GEM-6523 | 388,400.0 | 3,862,700.0 | 768.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6937 | GR-GEM-6524 | 388,400.0 | 3,862,200.0 | 760.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6938 | GR-GEM-6525 | 388,400.0 | 3,861,700.0 | 760.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6939 | GR-GEM-6526 | 388,400.0 | 3,861,200.0 | 757.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6940 | GR-GEM-6527 | 388,400.0 | 3,860,700.0 | 753.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6941 | GR-GEM-6528 | 388,400.0 | 3,860,200.0 | 749.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6942 | GR-GEM-6529 | 388,400.0 | 3,859,700.0 | 744.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6943 | GR-GEM-6530 | 388,400.0 | 3,859,200.0 | 739.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6944 | GR-GEM-6531 | 388,400.0 | 3,858,700.0 | 733.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6945 | GR-GEM-6532 | 388,400.0 | 3,858,200.0 | 728.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6946 | GR-GEM-6533 | 388,400.0 | 3,857,700.0 | 723.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6947 | GR-GEM-6534 | 388,400.0 | 3,857,200.0 | 720.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 6948 | GR-GEM-6535 | 388,400.0 | 3,856,700.0 | 720.2 | Grid | Grid receptors were located from fenceline out to 10km. |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|------------------|---|
| 7565 | GR-GEM-7152 | 372,900.0 | 3,851,700.0 | 781.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7566 | GR-GEM-7153 | 372,900.0 | 3,851,200.0 | 782.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7567 | GR-GEM-7154 | 372,400.0 | 3,855,700.0 | 795.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7568 | GR-GEM-7155 | 372,400.0 | 3,855,200.0 | 793.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7569 | GR-GEM-7156 | 372,400.0 | 3,854,700.0 | 790.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7570 | GR-GEM-7157 | 372,400.0 | 3,854,200.0 | 789.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7571 | GR-GEM-7158 | 372,400.0 | 3,853,700.0 | 788.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7572 | GR-GEM-7159 | 372,400.0 | 3,853,200.0 | 786.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7573 | GR-GEM-7160 | 372,400.0 | 3,852,700.0 | 785.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7574 | GR-GEM-7161 | 372,400.0 | 3,852,200.0 | 784.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7575 | GR-GEM-7162 | 372,400.0 | 3,851,700.0 | 783.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7576 | GR-GEM-7163 | 372,400.0 | 3,851,200.0 | 786.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7577 | GR-GEM-7164 | 371,900.0 | 3,855,700.0 | 798.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7578 | GR-GEM-7165 | 371,900.0 | 3,855,200.0 | 796.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7579 | GR-GEM-7166 | 371,900.0 | 3,854,700.0 | 793.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7580 | GR-GEM-7167 | 371,900.0 | 3,854,200.0 | 791.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7581 | GR-GEM-7168 | 371,900.0 | 3,853,700.0 | 789.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7582 | GR-GEM-7169 | 371,900.0 | 3,853,200.0 | 787.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7583 | GR-GEM-7170 | 371,900.0 | 3,852,700.0 | 787.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7584 | GR-GEM-7171 | 371,900.0 | 3,852,200.0 | 785.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7585 | GR-GEM-7172 | 371,900.0 | 3,851,700.0 | 788.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7586 | GR-GEM-7173 | 371,900.0 | 3,851,200.0 | 788.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7587 | GR-GEM-7174 | 376,400.0 | 3,856,200.0 | 771.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7588 | GR-GEM-7175 | 376,400.0 | 3,856,700.0 | 774.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7589 | GR-GEM-7176 | 376,400.0 | 3,857,200.0 | 776.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7590 | GR-GEM-7177 | 376,400.0 | 3,857,700.0 | 776.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7591 | GR-GEM-7178 | 376,400.0 | 3,858,200.0 | 777.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7592 | GR-GEM-7179 | 376,400.0 | 3,858,700.0 | 778.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7593 | GR-GEM-7180 | 376,400.0 | 3,859,200.0 | 781.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7594 | GR-GEM-7181 | 376,400.0 | 3,859,700.0 | 787.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7595 | GR-GEM-7182 | 376,400.0 | 3,860,200.0 | 796.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7596 | GR-GEM-7183 | 376,400.0 | 3,860,700.0 | 807.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7597 | GR-GEM-7184 | 376,400.0 | 3,861,200.0 | 816.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7598 | GR-GEM-7185 | 376,400.0 | 3,861,700.0 | 825.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7599 | GR-GEM-7186 | 376,400.0 | 3,862,200.0 | 840.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7600 | GR-GEM-7187 | 376,400.0 | 3,862,700.0 | 851.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7601 | GR-GEM-7188 | 376,400.0 | 3,863,200.0 | 863.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7602 | GR-GEM-7189 | 376,400.0 | 3,863,700.0 | 875.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7603 | GR-GEM-7190 | 376,400.0 | 3,864,200.0 | 889.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7604 | GR-GEM-7191 | 376,400.0 | 3,864,700.0 | 903.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7605 | GR-GEM-7192 | 376,400.0 | 3,865,200.0 | 916.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7606 | GR-GEM-7193 | 376,400.0 | 3,865,700.0 | 930.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7607 | GR-GEM-7194 | 376,400.0 | 3,866,200.0 | 945.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7608 | GR-GEM-7195 | 376,400.0 | 3,866,700.0 | 964.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7609 | GR-GEM-7196 | 376,400.0 | 3,867,200.0 | 981.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7610 | GR-GEM-7197 | 376,400.0 | 3,867,700.0 | 0.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7611 | GR-GEM-7198 | 376,400.0 | 3,868,200.0 | 17.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7612 | GR-GEM-7199 | 376,400.0 | 3,868,700.0 | 37.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7613 | GR-GEM-7200 | 376,400.0 | 3,869,200.0 | 51.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7614 | GR-GEM-7201 | 376,400.0 | 3,869,700.0 | 68.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7615 | GR-GEM-7202 | 376,400.0 | 3,870,200.0 | 87.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7616 | GR-GEM-7203 | 376,400.0 | 3,870,700.0 | 101.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7617 | GR-GEM-7204 | 376,400.0 | 3,871,200.0 | 117.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7618 | GR-GEM-7205 | 376,400.0 | 3,871,700.0 | 133.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7619 | GR-GEM-7206 | 376,400.0 | 3,872,200.0 | 172.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7620 | GR-GEM-7207 | 375,900.0 | 3,856,200.0 | 775.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7621 | GR-GEM-7208 | 375,900.0 | 3,856,700.0 | 777.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7622 | GR-GEM-7209 | 375,900.0 | 3,857,200.0 | 780.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7623 | GR-GEM-7210 | 375,900.0 | 3,857,700.0 | 780.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7624 | GR-GEM-7211 | 375,900.0 | 3,858,200.0 | 781.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7625 | GR-GEM-7212 | 375,900.0 | 3,858,700.0 | 782.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7626 | GR-GEM-7213 | 375,900.0 | 3,859,200.0 | 786.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7627 | GR-GEM-7214 | 375,900.0 | 3,859,700.0 | 794.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7628 | GR-GEM-7215 | 375,900.0 | 3,860,200.0 | 802.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7629 | GR-GEM-7216 | 375,900.0 | 3,860,700.0 | 812.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7630 | GR-GEM-7217 | 375,900.0 | 3,861,200.0 | 822.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7631 | GR-GEM-7218 | 375,900.0 | 3,861,700.0 | 833.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7632 | GR-GEM-7219 | 375,900.0 | 3,862,200.0 | 843.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7633 | GR-GEM-7220 | 375,900.0 | 3,862,700.0 | 857.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7634 | GR-GEM-7221 | 375,900.0 | 3,863,200.0 | 868.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7635 | GR-GEM-7222 | 375,900.0 | 3,863,700.0 | 880.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7636 | GR-GEM-7223 | 375,900.0 | 3,864,200.0 | 892.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7637 | GR-GEM-7224 | 375,900.0 | 3,864,700.0 | 909.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7638 | GR-GEM-7225 | 375,900.0 | 3,865,200.0 | 925.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7639 | GR-GEM-7226 | 375,900.0 | 3,865,700.0 | 940.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7640 | GR-GEM-7227 | 375,900.0 | 3,866,200.0 | 955.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7641 | GR-GEM-7228 | 375,900.0 | 3,866,700.0 | 965.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7642 | GR-GEM-7229 | 375,900.0 | 3,867,200.0 | 987.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7643 | GR-GEM-7230 | 375,900.0 | 3,867,700.0 | 9.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7644 | GR-GEM-7231 | 375,900.0 | 3,868,200.0 | 29.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7645 | GR-GEM-7232 | 375,900.0 | 3,868,700.0 | 41.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7646 | GR-GEM-7233 | 375,900.0 | 3,869,200.0 | 74.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7647 | GR-GEM-7234 | 375,900.0 | 3,869,700.0 | 99.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7648 | GR-GEM-7235 | 375,900.0 | 3,870,200.0 | 124.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7649 | GR-GEM-7236 | 375,900.0 | 3,870,700.0 | 134.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7650 | GR-GEM-7237 | 375,900.0 | 3,871,200.0 | 157.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7651 | GR-GEM-7238 | 375,900.0 | 3,871,700.0 | 171.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7652 | GR-GEM-7239 | 375,900.0 | 3,872,200.0 | 192.2 | Grid | Grid receptors were located from fenceline out to 10km. |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|------------------|---|
| 7653 | GR-GEM-7240 | 375,400.0 | 3,856,200.0 | 778.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7654 | GR-GEM-7241 | 375,400.0 | 3,856,700.0 | 782.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7655 | GR-GEM-7242 | 375,400.0 | 3,857,200.0 | 784.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7656 | GR-GEM-7243 | 375,400.0 | 3,857,700.0 | 784.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7657 | GR-GEM-7244 | 375,400.0 | 3,858,200.0 | 785.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7658 | GR-GEM-7245 | 375,400.0 | 3,858,700.0 | 786.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7659 | GR-GEM-7246 | 375,400.0 | 3,859,200.0 | 790.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7660 | GR-GEM-7247 | 375,400.0 | 3,859,700.0 | 799.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7661 | GR-GEM-7248 | 375,400.0 | 3,860,200.0 | 808.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7662 | GR-GEM-7249 | 375,400.0 | 3,860,700.0 | 817.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7663 | GR-GEM-7250 | 375,400.0 | 3,861,200.0 | 829.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7664 | GR-GEM-7251 | 375,400.0 | 3,861,700.0 | 840.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7665 | GR-GEM-7252 | 375,400.0 | 3,862,200.0 | 852.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7666 | GR-GEM-7253 | 375,400.0 | 3,862,700.0 | 863.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7667 | GR-GEM-7254 | 375,400.0 | 3,863,200.0 | 874.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7668 | GR-GEM-7255 | 375,400.0 | 3,863,700.0 | 884.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7669 | GR-GEM-7256 | 375,400.0 | 3,864,200.0 | 898.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7670 | GR-GEM-7257 | 375,400.0 | 3,864,700.0 | 915.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7671 | GR-GEM-7258 | 375,400.0 | 3,865,200.0 | 932.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7672 | GR-GEM-7259 | 375,400.0 | 3,865,700.0 | 949.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7673 | GR-GEM-7260 | 375,400.0 | 3,866,200.0 | 967.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7674 | GR-GEM-7261 | 375,400.0 | 3,866,700.0 | 980.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7675 | GR-GEM-7262 | 375,400.0 | 3,867,200.0 | 2.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7676 | GR-GEM-7263 | 375,400.0 | 3,867,700.0 | 25.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7677 | GR-GEM-7264 | 375,400.0 | 3,868,200.0 | 48.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7678 | GR-GEM-7265 | 375,400.0 | 3,868,700.0 | 71.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7679 | GR-GEM-7266 | 375,400.0 | 3,869,200.0 | 80.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7680 | GR-GEM-7267 | 375,400.0 | 3,869,700.0 | 107.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7681 | GR-GEM-7268 | 375,400.0 | 3,870,200.0 | 167.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7682 | GR-GEM-7269 | 375,400.0 | 3,870,700.0 | 179.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7683 | GR-GEM-7270 | 375,400.0 | 3,871,200.0 | 189.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7684 | GR-GEM-7271 | 375,400.0 | 3,871,700.0 | 204.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7685 | GR-GEM-7272 | 375,400.0 | 3,872,200.0 | 274.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7686 | GR-GEM-7273 | 374,900.0 | 3,856,200.0 | 782.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7687 | GR-GEM-7274 | 374,900.0 | 3,856,700.0 | 785.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7688 | GR-GEM-7275 | 374,900.0 | 3,857,200.0 | 788.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7689 | GR-GEM-7276 | 374,900.0 | 3,857,700.0 | 789.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7690 | GR-GEM-7277 | 374,900.0 | 3,858,200.0 | 789.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7691 | GR-GEM-7278 | 374,900.0 | 3,858,700.0 | 790.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7692 | GR-GEM-7279 | 374,900.0 | 3,859,200.0 | 794.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7693 | GR-GEM-7280 | 374,900.0 | 3,859,700.0 | 802.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7694 | GR-GEM-7281 | 374,900.0 | 3,860,200.0 | 811.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7695 | GR-GEM-7282 | 374,900.0 | 3,860,700.0 | 822.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7696 | GR-GEM-7283 | 374,900.0 | 3,861,200.0 | 833.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7697 | GR-GEM-7284 | 374,900.0 | 3,861,700.0 | 844.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7698 | GR-GEM-7285 | 374,900.0 | 3,862,200.0 | 857.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7699 | GR-GEM-7286 | 374,900.0 | 3,862,700.0 | 870.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7700 | GR-GEM-7287 | 374,900.0 | 3,863,200.0 | 882.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7701 | GR-GEM-7288 | 374,900.0 | 3,863,700.0 | 894.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7702 | GR-GEM-7289 | 374,900.0 | 3,864,200.0 | 906.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7703 | GR-GEM-7290 | 374,900.0 | 3,864,700.0 | 920.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7704 | GR-GEM-7291 | 374,900.0 | 3,865,200.0 | 938.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7705 | GR-GEM-7292 | 374,900.0 | 3,865,700.0 | 958.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7706 | GR-GEM-7293 | 374,900.0 | 3,866,200.0 | 981.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7707 | GR-GEM-7294 | 374,900.0 | 3,866,700.0 | 999.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7708 | GR-GEM-7295 | 374,900.0 | 3,867,200.0 | 20.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7709 | GR-GEM-7296 | 374,900.0 | 3,867,700.0 | 47.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7710 | GR-GEM-7297 | 374,900.0 | 3,868,200.0 | 72.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7711 | GR-GEM-7298 | 374,900.0 | 3,868,700.0 | 88.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7712 | GR-GEM-7299 | 374,900.0 | 3,869,200.0 | 108.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7713 | GR-GEM-7300 | 374,900.0 | 3,869,700.0 | 134.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7714 | GR-GEM-7301 | 374,900.0 | 3,870,200.0 | 131.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7715 | GR-GEM-7302 | 374,900.0 | 3,870,700.0 | 208.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7716 | GR-GEM-7303 | 374,900.0 | 3,871,200.0 | 202.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7717 | GR-GEM-7304 | 374,900.0 | 3,871,700.0 | 219.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7718 | GR-GEM-7305 | 374,900.0 | 3,872,200.0 | 298.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7719 | GR-GEM-7306 | 374,400.0 | 3,856,200.0 | 787.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7720 | GR-GEM-7307 | 374,400.0 | 3,856,700.0 | 790.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7721 | GR-GEM-7308 | 374,400.0 | 3,857,200.0 | 793.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7722 | GR-GEM-7309 | 374,400.0 | 3,857,700.0 | 794.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7723 | GR-GEM-7310 | 374,400.0 | 3,858,200.0 | 794.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7724 | GR-GEM-7311 | 374,400.0 | 3,858,700.0 | 795.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7725 | GR-GEM-7312 | 374,400.0 | 3,859,200.0 | 799.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7726 | GR-GEM-7313 | 374,400.0 | 3,859,700.0 | 806.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7727 | GR-GEM-7314 | 374,400.0 | 3,860,200.0 | 816.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7728 | GR-GEM-7315 | 374,400.0 | 3,860,700.0 | 827.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7729 | GR-GEM-7316 | 374,400.0 | 3,861,200.0 | 839.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7730 | GR-GEM-7317 | 374,400.0 | 3,861,700.0 | 850.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7731 | GR-GEM-7318 | 374,400.0 | 3,862,200.0 | 863.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7732 | GR-GEM-7319 | 374,400.0 | 3,862,700.0 | 877.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7733 | GR-GEM-7320 | 374,400.0 | 3,863,200.0 | 889.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7734 | GR-GEM-7321 | 374,400.0 | 3,863,700.0 | 902.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7735 | GR-GEM-7322 | 374,400.0 | 3,864,200.0 | 916.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7736 | GR-GEM-7323 | 374,400.0 | 3,864,700.0 | 928.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7737 | GR-GEM-7324 | 374,400.0 | 3,865,200.0 | 946.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7738 | GR-GEM-7325 | 374,400.0 | 3,865,700.0 | 967.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7739 | GR-GEM-7326 | 374,400.0 | 3,866,200.0 | 990.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7740 | GR-GEM-7327 | 374,400.0 | 3,866,700.0 | 14.7 | Grid | Grid receptors were located from fenceline out to 10km. |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|------------------|---|
| 7741 | GR-GEM-7328 | 374,400.0 | 3,867,200.0 | 36.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7742 | GR-GEM-7329 | 374,400.0 | 3,867,700.0 | 63.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7743 | GR-GEM-7330 | 374,400.0 | 3,868,200.0 | 87.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7744 | GR-GEM-7331 | 374,400.0 | 3,868,700.0 | 109.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7745 | GR-GEM-7332 | 374,400.0 | 3,869,200.0 | 134.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7746 | GR-GEM-7333 | 374,400.0 | 3,869,700.0 | 158.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7747 | GR-GEM-7334 | 374,400.0 | 3,870,200.0 | 145.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7748 | GR-GEM-7335 | 374,400.0 | 3,870,700.0 | 172.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7749 | GR-GEM-7336 | 374,400.0 | 3,871,200.0 | 178.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7750 | GR-GEM-7337 | 374,400.0 | 3,871,700.0 | 235.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7751 | GR-GEM-7338 | 374,400.0 | 3,872,200.0 | 285.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7752 | GR-GEM-7339 | 373,900.0 | 3,856,200.0 | 790.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7753 | GR-GEM-7340 | 373,900.0 | 3,856,700.0 | 793.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7754 | GR-GEM-7341 | 373,900.0 | 3,857,200.0 | 797.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7755 | GR-GEM-7342 | 373,900.0 | 3,857,700.0 | 799.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7756 | GR-GEM-7343 | 373,900.0 | 3,858,200.0 | 799.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7757 | GR-GEM-7344 | 373,900.0 | 3,858,700.0 | 800.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7758 | GR-GEM-7345 | 373,900.0 | 3,859,200.0 | 803.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7759 | GR-GEM-7346 | 373,900.0 | 3,859,700.0 | 811.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7760 | GR-GEM-7347 | 373,900.0 | 3,860,200.0 | 820.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7761 | GR-GEM-7348 | 373,900.0 | 3,860,700.0 | 830.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7762 | GR-GEM-7349 | 373,900.0 | 3,861,200.0 | 842.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7763 | GR-GEM-7350 | 373,900.0 | 3,861,700.0 | 855.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7764 | GR-GEM-7351 | 373,900.0 | 3,862,200.0 | 867.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7765 | GR-GEM-7352 | 373,900.0 | 3,862,700.0 | 881.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7766 | GR-GEM-7353 | 373,900.0 | 3,863,200.0 | 895.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7767 | GR-GEM-7354 | 373,900.0 | 3,863,700.0 | 910.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7768 | GR-GEM-7355 | 373,900.0 | 3,864,200.0 | 924.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7769 | GR-GEM-7356 | 373,900.0 | 3,864,700.0 | 938.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7770 | GR-GEM-7357 | 373,900.0 | 3,865,200.0 | 952.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7771 | GR-GEM-7358 | 373,900.0 | 3,865,700.0 | 969.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7772 | GR-GEM-7359 | 373,900.0 | 3,866,200.0 | 992.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7773 | GR-GEM-7360 | 373,900.0 | 3,866,700.0 | 20.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7774 | GR-GEM-7361 | 373,900.0 | 3,867,200.0 | 51.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7775 | GR-GEM-7362 | 373,900.0 | 3,867,700.0 | 74.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7776 | GR-GEM-7363 | 373,900.0 | 3,868,200.0 | 107.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7777 | GR-GEM-7364 | 373,900.0 | 3,868,700.0 | 131.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7778 | GR-GEM-7365 | 373,900.0 | 3,869,200.0 | 155.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7779 | GR-GEM-7366 | 373,900.0 | 3,869,700.0 | 176.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7780 | GR-GEM-7367 | 373,900.0 | 3,870,200.0 | 198.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7781 | GR-GEM-7368 | 373,900.0 | 3,870,700.0 | 226.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7782 | GR-GEM-7369 | 373,900.0 | 3,871,200.0 | 226.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7783 | GR-GEM-7370 | 373,900.0 | 3,871,700.0 | 268.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7784 | GR-GEM-7371 | 373,900.0 | 3,872,200.0 | 306.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7785 | GR-GEM-7372 | 373,400.0 | 3,856,200.0 | 792.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7786 | GR-GEM-7373 | 373,400.0 | 3,856,700.0 | 796.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7787 | GR-GEM-7374 | 373,400.0 | 3,857,200.0 | 800.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7788 | GR-GEM-7375 | 373,400.0 | 3,857,700.0 | 803.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7789 | GR-GEM-7376 | 373,400.0 | 3,858,200.0 | 804.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7790 | GR-GEM-7377 | 373,400.0 | 3,858,700.0 | 807.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7791 | GR-GEM-7378 | 373,400.0 | 3,859,200.0 | 809.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7792 | GR-GEM-7379 | 373,400.0 | 3,859,700.0 | 816.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7793 | GR-GEM-7380 | 373,400.0 | 3,860,200.0 | 824.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7794 | GR-GEM-7381 | 373,400.0 | 3,860,700.0 | 835.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7795 | GR-GEM-7382 | 373,400.0 | 3,861,200.0 | 847.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7796 | GR-GEM-7383 | 373,400.0 | 3,861,700.0 | 860.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7797 | GR-GEM-7384 | 373,400.0 | 3,862,200.0 | 872.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7798 | GR-GEM-7385 | 373,400.0 | 3,862,700.0 | 887.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7799 | GR-GEM-7386 | 373,400.0 | 3,863,200.0 | 901.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7800 | GR-GEM-7387 | 373,400.0 | 3,863,700.0 | 915.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7801 | GR-GEM-7388 | 373,400.0 | 3,864,200.0 | 930.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7802 | GR-GEM-7389 | 373,400.0 | 3,864,700.0 | 947.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7803 | GR-GEM-7390 | 373,400.0 | 3,865,200.0 | 961.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7804 | GR-GEM-7391 | 373,400.0 | 3,865,700.0 | 978.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7805 | GR-GEM-7392 | 373,400.0 | 3,866,200.0 | 997.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7806 | GR-GEM-7393 | 373,400.0 | 3,866,700.0 | 20.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7807 | GR-GEM-7394 | 373,400.0 | 3,867,200.0 | 51.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7808 | GR-GEM-7395 | 373,400.0 | 3,867,700.0 | 79.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7809 | GR-GEM-7396 | 373,400.0 | 3,868,200.0 | 110.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7810 | GR-GEM-7397 | 373,400.0 | 3,868,700.0 | 137.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7811 | GR-GEM-7398 | 373,400.0 | 3,869,200.0 | 155.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7812 | GR-GEM-7399 | 373,400.0 | 3,869,700.0 | 189.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7813 | GR-GEM-7400 | 373,400.0 | 3,870,200.0 | 225.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7814 | GR-GEM-7401 | 373,400.0 | 3,870,700.0 | 243.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7815 | GR-GEM-7402 | 373,400.0 | 3,871,200.0 | 266.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7816 | GR-GEM-7403 | 373,400.0 | 3,871,700.0 | 324.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7817 | GR-GEM-7404 | 373,400.0 | 3,872,200.0 | 342.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7818 | GR-GEM-7405 | 372,900.0 | 3,856,200.0 | 795.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7819 | GR-GEM-7406 | 372,900.0 | 3,856,700.0 | 799.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7820 | GR-GEM-7407 | 372,900.0 | 3,857,200.0 | 802.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7821 | GR-GEM-7408 | 372,900.0 | 3,857,700.0 | 806.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7822 | GR-GEM-7409 | 372,900.0 | 3,858,200.0 | 809.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7823 | GR-GEM-7410 | 372,900.0 | 3,858,700.0 | 812.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7824 | GR-GEM-7411 | 372,900.0 | 3,859,200.0 | 816.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7825 | GR-GEM-7412 | 372,900.0 | 3,859,700.0 | 821.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7826 | GR-GEM-7413 | 372,900.0 | 3,860,200.0 | 829.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7827 | GR-GEM-7414 | 372,900.0 | 3,860,700.0 | 840.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7828 | GR-GEM-7415 | 372,900.0 | 3,861,200.0 | 853.7 | Grid | Grid receptors were located from fenceline out to 10km. |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|------------------|---|
| 7829 | GR-GEM-7416 | 372,900.0 | 3,861,700.0 | 865.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7830 | GR-GEM-7417 | 372,900.0 | 3,862,200.0 | 879.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7831 | GR-GEM-7418 | 372,900.0 | 3,862,700.0 | 893.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7832 | GR-GEM-7419 | 372,900.0 | 3,863,200.0 | 908.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7833 | GR-GEM-7420 | 372,900.0 | 3,863,700.0 | 924.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7834 | GR-GEM-7421 | 372,900.0 | 3,864,200.0 | 940.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7835 | GR-GEM-7422 | 372,900.0 | 3,864,700.0 | 955.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7836 | GR-GEM-7423 | 372,900.0 | 3,865,200.0 | 969.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7837 | GR-GEM-7424 | 372,900.0 | 3,865,700.0 | 984.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7838 | GR-GEM-7425 | 372,900.0 | 3,866,200.0 | 3.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7839 | GR-GEM-7426 | 372,900.0 | 3,866,700.0 | 27.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7840 | GR-GEM-7427 | 372,900.0 | 3,867,200.0 | 52.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7841 | GR-GEM-7428 | 372,900.0 | 3,867,700.0 | 79.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7842 | GR-GEM-7429 | 372,900.0 | 3,868,200.0 | 114.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7843 | GR-GEM-7430 | 372,900.0 | 3,868,700.0 | 149.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7844 | GR-GEM-7431 | 372,900.0 | 3,869,200.0 | 175.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7845 | GR-GEM-7432 | 372,900.0 | 3,869,700.0 | 206.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7846 | GR-GEM-7433 | 372,900.0 | 3,870,200.0 | 241.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7847 | GR-GEM-7434 | 372,900.0 | 3,870,700.0 | 256.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7848 | GR-GEM-7435 | 372,900.0 | 3,871,200.0 | 311.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7849 | GR-GEM-7436 | 372,900.0 | 3,871,700.0 | 385.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7850 | GR-GEM-7437 | 372,900.0 | 3,872,200.0 | 464.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7851 | GR-GEM-7438 | 372,400.0 | 3,856,200.0 | 798.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7852 | GR-GEM-7439 | 372,400.0 | 3,856,700.0 | 801.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7853 | GR-GEM-7440 | 372,400.0 | 3,857,200.0 | 805.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7854 | GR-GEM-7441 | 372,400.0 | 3,857,700.0 | 809.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7855 | GR-GEM-7442 | 372,400.0 | 3,858,200.0 | 814.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7856 | GR-GEM-7443 | 372,400.0 | 3,858,700.0 | 818.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7857 | GR-GEM-7444 | 372,400.0 | 3,859,200.0 | 823.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7858 | GR-GEM-7445 | 372,400.0 | 3,859,700.0 | 827.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7859 | GR-GEM-7446 | 372,400.0 | 3,860,200.0 | 834.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7860 | GR-GEM-7447 | 372,400.0 | 3,860,700.0 | 845.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7861 | GR-GEM-7448 | 372,400.0 | 3,861,200.0 | 856.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7862 | GR-GEM-7449 | 372,400.0 | 3,861,700.0 | 869.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7863 | GR-GEM-7450 | 372,400.0 | 3,862,200.0 | 884.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7864 | GR-GEM-7451 | 372,400.0 | 3,862,700.0 | 898.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7865 | GR-GEM-7452 | 372,400.0 | 3,863,200.0 | 914.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7866 | GR-GEM-7453 | 372,400.0 | 3,863,700.0 | 930.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7867 | GR-GEM-7454 | 372,400.0 | 3,864,200.0 | 947.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7868 | GR-GEM-7455 | 372,400.0 | 3,864,700.0 | 964.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7869 | GR-GEM-7456 | 372,400.0 | 3,865,200.0 | 984.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7870 | GR-GEM-7457 | 372,400.0 | 3,865,700.0 | 997.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7871 | GR-GEM-7458 | 372,400.0 | 3,866,200.0 | 13.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7872 | GR-GEM-7459 | 372,400.0 | 3,866,700.0 | 31.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7873 | GR-GEM-7460 | 372,400.0 | 3,867,200.0 | 62.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7874 | GR-GEM-7461 | 372,400.0 | 3,867,700.0 | 77.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7875 | GR-GEM-7462 | 372,400.0 | 3,868,200.0 | 94.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7876 | GR-GEM-7463 | 372,400.0 | 3,868,700.0 | 136.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7877 | GR-GEM-7464 | 372,400.0 | 3,869,200.0 | 180.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7878 | GR-GEM-7465 | 372,400.0 | 3,869,700.0 | 200.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7879 | GR-GEM-7466 | 372,400.0 | 3,870,200.0 | 245.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7880 | GR-GEM-7467 | 372,400.0 | 3,870,700.0 | 276.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7881 | GR-GEM-7468 | 372,400.0 | 3,871,200.0 | 350.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7882 | GR-GEM-7469 | 372,400.0 | 3,871,700.0 | 329.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7883 | GR-GEM-7470 | 372,400.0 | 3,872,200.0 | 352.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7884 | GR-GEM-7471 | 371,900.0 | 3,856,200.0 | 801.6 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7885 | GR-GEM-7472 | 371,900.0 | 3,856,700.0 | 804.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7886 | GR-GEM-7473 | 371,900.0 | 3,857,200.0 | 808.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7887 | GR-GEM-7474 | 371,900.0 | 3,857,700.0 | 813.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7888 | GR-GEM-7475 | 371,900.0 | 3,858,200.0 | 818.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7889 | GR-GEM-7476 | 371,900.0 | 3,858,700.0 | 823.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7890 | GR-GEM-7477 | 371,900.0 | 3,859,200.0 | 827.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7891 | GR-GEM-7478 | 371,900.0 | 3,859,700.0 | 834.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7892 | GR-GEM-7479 | 371,900.0 | 3,860,200.0 | 841.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7893 | GR-GEM-7480 | 371,900.0 | 3,860,700.0 | 849.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7894 | GR-GEM-7481 | 371,900.0 | 3,861,200.0 | 861.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7895 | GR-GEM-7482 | 371,900.0 | 3,861,700.0 | 873.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7896 | GR-GEM-7483 | 371,900.0 | 3,862,200.0 | 888.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7897 | GR-GEM-7484 | 371,900.0 | 3,862,700.0 | 903.0 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7898 | GR-GEM-7485 | 371,900.0 | 3,863,200.0 | 918.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7899 | GR-GEM-7486 | 371,900.0 | 3,863,700.0 | 935.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7900 | GR-GEM-7487 | 371,900.0 | 3,864,200.0 | 955.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7901 | GR-GEM-7488 | 371,900.0 | 3,864,700.0 | 973.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7902 | GR-GEM-7489 | 371,900.0 | 3,865,200.0 | 991.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7903 | GR-GEM-7490 | 371,900.0 | 3,865,700.0 | 12.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7904 | GR-GEM-7491 | 371,900.0 | 3,866,200.0 | 27.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7905 | GR-GEM-7492 | 371,900.0 | 3,866,700.0 | 46.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7906 | GR-GEM-7493 | 371,900.0 | 3,867,200.0 | 69.7 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7907 | GR-GEM-7494 | 371,900.0 | 3,867,700.0 | 107.9 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7908 | GR-GEM-7495 | 371,900.0 | 3,868,200.0 | 134.8 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7909 | GR-GEM-7496 | 371,900.0 | 3,868,700.0 | 154.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7910 | GR-GEM-7497 | 371,900.0 | 3,869,200.0 | 176.5 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7911 | GR-GEM-7498 | 371,900.0 | 3,869,700.0 | 206.1 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7912 | GR-GEM-7499 | 371,900.0 | 3,870,200.0 | 253.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7913 | GR-GEM-7500 | 371,900.0 | 3,870,700.0 | 276.3 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7914 | GR-GEM-7501 | 371,900.0 | 3,871,200.0 | 357.2 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7915 | GR-GEM-7502 | 371,900.0 | 3,871,700.0 | 451.4 | Grid | Grid receptors were located from fenceline out to 10km. |
| 7916 | GR-GEM-7503 | 371,900.0 | 3,872,200.0 | 501.8 | Grid | Grid receptors were located from fenceline out to 10km. |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-----------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 7917 | CS-GEM-01 | 387,274.5 | 3,862,104.8 | 773.0 | Population (Census) | Exported from HARP database |
| 7918 | CS-GEM-02 | 386,772.3 | 3,862,364.3 | 777.8 | Population (Census) | Exported from HARP database |
| 7919 | CS-GEM-03 | 386,771.7 | 3,862,567.7 | 779.4 | Population (Census) | Exported from HARP database |
| 7920 | CS-GEM-04 | 386,567.1 | 3,862,570.6 | 781.1 | Population (Census) | Exported from HARP database |
| 7921 | CS-GEM-05 | 386,364.6 | 3,862,571.5 | 783.5 | Population (Census) | Exported from HARP database |
| 7922 | CS-GEM-06 | 386,165.5 | 3,862,572.8 | 785.6 | Population (Census) | Exported from HARP database |
| 7923 | CS-GEM-07 | 386,364.5 | 3,862,368.0 | 781.4 | Population (Census) | Exported from HARP database |
| 7924 | CS-GEM-08 | 386,567.7 | 3,862,367.1 | 779.3 | Population (Census) | Exported from HARP database |
| 7925 | CS-GEM-09 | 386,567.5 | 3,862,166.9 | 778.1 | Population (Census) | Exported from HARP database |
| 7926 | CS-GEM-10 | 386,769.6 | 3,862,165.3 | 776.0 | Population (Census) | Exported from HARP database |
| 7927 | CS-GEM-11 | 386,770.0 | 3,861,965.1 | 773.9 | Population (Census) | Exported from HARP database |
| 7928 | CS-GEM-12 | 386,566.6 | 3,861,967.9 | 775.4 | Population (Census) | Exported from HARP database |
| 7929 | CS-GEM-13 | 386,363.3 | 3,861,969.8 | 777.7 | Population (Census) | Exported from HARP database |
| 7930 | CS-GEM-14 | 386,364.7 | 3,862,167.4 | 779.1 | Population (Census) | Exported from HARP database |
| 7931 | CS-GEM-15 | 386,158.5 | 3,862,168.3 | 781.5 | Population (Census) | Exported from HARP database |
| 7932 | CS-GEM-16 | 386,164.7 | 3,862,367.9 | 783.4 | Population (Census) | Exported from HARP database |
| 7933 | CS-GEM-17 | 385,165.8 | 3,862,269.6 | 873.1 | Population (Census) | Exported from HARP database |
| 7934 | CS-GEM-18 | 384,597.5 | 3,862,566.6 | 798.0 | Population (Census) | Exported from HARP database |
| 7935 | CS-GEM-19 | 384,877.7 | 3,862,571.7 | 797.8 | Population (Census) | Exported from HARP database |
| 7936 | CS-GEM-20 | 384,117.3 | 3,862,487.9 | 796.0 | Population (Census) | Exported from HARP database |
| 7937 | CS-GEM-21 | 383,834.6 | 3,862,492.1 | 798.9 | Population (Census) | Exported from HARP database |
| 7938 | CS-GEM-22 | 383,573.4 | 3,862,318.3 | 799.7 | Population (Census) | Exported from HARP database |
| 7939 | CS-GEM-23 | 383,169.9 | 3,862,286.3 | 800.8 | Population (Census) | Exported from HARP database |
| 7940 | CS-GEM-24 | 382,637.4 | 3,862,438.5 | 804.0 | Population (Census) | Exported from HARP database |
| 7941 | CS-GEM-25 | 382,233.8 | 3,862,310.3 | 804.4 | Population (Census) | Exported from HARP database |
| 7942 | CS-GEM-26 | 381,879.9 | 3,862,215.5 | 803.4 | Population (Census) | Exported from HARP database |
| 7943 | CS-GEM-27 | 381,793.7 | 3,862,409.8 | 805.6 | Population (Census) | Exported from HARP database |
| 7944 | CS-GEM-28 | 381,178.7 | 3,862,429.6 | 805.9 | Population (Census) | Exported from HARP database |
| 7945 | CS-GEM-29 | 381,574.4 | 3,862,029.1 | 801.7 | Population (Census) | Exported from HARP database |
| 7946 | CS-GEM-30 | 380,266.6 | 3,862,339.3 | 811.7 | Population (Census) | Exported from HARP database |
| 7947 | CS-GEM-31 | 379,868.7 | 3,862,326.9 | 814.6 | Population (Census) | Exported from HARP database |
| 7948 | CS-GEM-32 | 379,191.5 | 3,862,337.7 | 821.3 | Population (Census) | Exported from HARP database |
| 7949 | CS-GEM-33 | 378,433.1 | 3,862,638.6 | 834.5 | Population (Census) | Exported from HARP database |
| 7950 | CS-GEM-34 | 377,956.3 | 3,862,717.0 | 840.3 | Population (Census) | Exported from HARP database |
| 7951 | CS-GEM-35 | 377,761.2 | 3,862,596.6 | 840.2 | Population (Census) | Exported from HARP database |
| 7952 | CS-GEM-36 | 377,772.6 | 3,861,546.4 | 819.3 | Population (Census) | Exported from HARP database |
| 7953 | CS-GEM-37 | 377,935.7 | 3,862,379.0 | 834.2 | Population (Census) | Exported from HARP database |
| 7954 | CS-GEM-38 | 378,154.3 | 3,860,576.1 | 784.9 | Population (Census) | Exported from HARP database |
| 7955 | CS-GEM-39 | 377,937.8 | 3,862,475.8 | 835.6 | Population (Census) | Exported from HARP database |
| 7956 | CS-GEM-40 | 378,422.0 | 3,862,297.5 | 828.3 | Population (Census) | Exported from HARP database |
| 7957 | CS-GEM-41 | 378,158.2 | 3,860,942.1 | 795.7 | Population (Census) | Exported from HARP database |
| 7958 | CS-GEM-42 | 378,566.9 | 3,860,923.8 | 788.9 | Population (Census) | Exported from HARP database |
| 7959 | CS-GEM-43 | 377,839.9 | 3,862,377.6 | 835.1 | Population (Census) | Exported from HARP database |
| 7960 | CS-GEM-44 | 377,086.3 | 3,862,523.0 | 841.6 | Population (Census) | Exported from HARP database |
| 7961 | CS-GEM-45 | 376,886.7 | 3,862,526.1 | 843.4 | Population (Census) | Exported from HARP database |
| 7962 | CS-GEM-46 | 376,694.4 | 3,862,526.3 | 846.0 | Population (Census) | Exported from HARP database |
| 7963 | CS-GEM-47 | 376,495.3 | 3,862,528.5 | 847.3 | Population (Census) | Exported from HARP database |
| 7964 | CS-GEM-48 | 376,368.4 | 3,862,504.6 | 847.8 | Population (Census) | Exported from HARP database |
| 7965 | CS-GEM-49 | 375,897.7 | 3,862,441.8 | 850.2 | Population (Census) | Exported from HARP database |
| 7966 | CS-GEM-50 | 376,348.3 | 3,861,225.1 | 817.7 | Population (Census) | Exported from HARP database |
| 7967 | CS-GEM-51 | 376,886.9 | 3,862,122.1 | 836.7 | Population (Census) | Exported from HARP database |
| 7968 | CS-GEM-52 | 376,497.0 | 3,862,126.9 | 837.9 | Population (Census) | Exported from HARP database |
| 7969 | CS-GEM-53 | 376,359.5 | 3,862,113.0 | 838.6 | Population (Census) | Exported from HARP database |
| 7970 | CS-GEM-54 | 377,082.7 | 3,862,118.7 | 834.8 | Population (Census) | Exported from HARP database |
| 7971 | CS-GEM-55 | 376,771.1 | 3,860,319.2 | 795.8 | Population (Census) | Exported from HARP database |
| 7972 | CS-GEM-56 | 375,331.3 | 3,860,934.9 | 823.6 | Population (Census) | Exported from HARP database |
| 7973 | CS-GEM-57 | 375,129.1 | 3,861,323.7 | 834.8 | Population (Census) | Exported from HARP database |
| 7974 | CS-GEM-58 | 374,465.4 | 3,861,727.6 | 851.1 | Population (Census) | Exported from HARP database |
| 7975 | CS-GEM-59 | 373,884.1 | 3,861,714.9 | 855.6 | Population (Census) | Exported from HARP database |
| 7976 | CS-GEM-60 | 373,688.6 | 3,861,714.3 | 857.2 | Population (Census) | Exported from HARP database |
| 7977 | CS-GEM-61 | 373,490.0 | 3,861,714.9 | 860.7 | Population (Census) | Exported from HARP database |
| 7978 | CS-GEM-62 | 373,291.5 | 3,861,715.7 | 862.1 | Population (Census) | Exported from HARP database |
| 7979 | CS-GEM-63 | 372,884.6 | 3,861,718.6 | 866.2 | Population (Census) | Exported from HARP database |
| 7980 | CS-GEM-64 | 372,483.1 | 3,861,618.2 | 867.3 | Population (Census) | Exported from HARP database |
| 7981 | CS-GEM-65 | 374,273.0 | 3,861,295.9 | 842.4 | Population (Census) | Exported from HARP database |
| 7982 | CS-GEM-66 | 374,601.0 | 3,861,418.5 | 841.6 | Population (Census) | Exported from HARP database |
| 7983 | CS-GEM-67 | 373,468.7 | 3,861,113.6 | 844.5 | Population (Census) | Exported from HARP database |
| 7984 | CS-GEM-68 | 372,970.7 | 3,861,317.3 | 855.4 | Population (Census) | Exported from HARP database |
| 7985 | CS-GEM-69 | 372,722.5 | 3,860,829.8 | 845.0 | Population (Census) | Exported from HARP database |
| 7986 | CS-GEM-70 | 372,637.5 | 3,860,112.6 | 831.2 | Population (Census) | Exported from HARP database |
| 7987 | CS-GEM-71 | 372,836.0 | 3,860,108.2 | 828.5 | Population (Census) | Exported from HARP database |
| 7988 | CS-GEM-72 | 373,036.0 | 3,860,109.6 | 827.1 | Population (Census) | Exported from HARP database |
| 7989 | CS-GEM-73 | 373,229.4 | 3,860,110.4 | 824.7 | Population (Census) | Exported from HARP database |
| 7990 | CS-GEM-74 | 373,546.6 | 3,860,512.2 | 830.2 | Population (Census) | Exported from HARP database |
| 7991 | CS-GEM-75 | 374,318.0 | 3,860,716.9 | 829.0 | Population (Census) | Exported from HARP database |
| 7992 | CS-GEM-76 | 374,718.4 | 3,860,891.1 | 828.7 | Population (Census) | Exported from HARP database |
| 7993 | CS-GEM-77 | 374,926.5 | 3,860,940.6 | 827.7 | Population (Census) | Exported from HARP database |
| 7994 | CS-GEM-78 | 374,951.6 | 3,860,610.2 | 820.5 | Population (Census) | Exported from HARP database |
| 7995 | CS-GEM-79 | 375,316.7 | 3,860,528.0 | 815.5 | Population (Census) | Exported from HARP database |
| 7996 | CS-GEM-80 | 375,121.4 | 3,859,920.8 | 804.2 | Population (Census) | Exported from HARP database |
| 7997 | CS-GEM-81 | 374,844.3 | 3,860,430.3 | 817.6 | Population (Census) | Exported from HARP database |
| 7998 | CS-GEM-82 | 374,697.8 | 3,860,511.0 | 821.2 | Population (Census) | Exported from HARP database |
| 7999 | CS-GEM-83 | 374,318.8 | 3,859,916.8 | 810.7 | Population (Census) | Exported from HARP database |
| 8000 | CS-GEM-84 | 373,822.6 | 3,860,113.5 | 820.3 | Population (Census) | Exported from HARP database |
| 8001 | CS-GEM-85 | 373,612.6 | 3,860,107.2 | 820.9 | Population (Census) | Exported from HARP database |
| 8002 | CS-GEM-86 | 373,417.1 | 3,860,113.8 | 822.7 | Population (Census) | Exported from HARP database |
| 8003 | CS-GEM-87 | 373,406.7 | 3,859,709.0 | 816.2 | Population (Census) | Exported from HARP database |
| 8004 | CS-GEM-88 | 373,606.3 | 3,859,706.3 | 813.2 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8005 | CS-GEM-89 | 373,815.5 | 3,859,709.8 | 812.5 | Population (Census) | Exported from HARP database |
| 8006 | CS-GEM-90 | 373,805.7 | 3,859,302.8 | 805.6 | Population (Census) | Exported from HARP database |
| 8007 | CS-GEM-91 | 373,596.9 | 3,859,304.6 | 808.0 | Population (Census) | Exported from HARP database |
| 8008 | CS-GEM-92 | 373,393.7 | 3,859,306.7 | 810.8 | Population (Census) | Exported from HARP database |
| 8009 | CS-GEM-93 | 373,202.1 | 3,859,307.3 | 813.2 | Population (Census) | Exported from HARP database |
| 8010 | CS-GEM-94 | 373,217.1 | 3,859,709.8 | 817.6 | Population (Census) | Exported from HARP database |
| 8011 | CS-GEM-95 | 373,025.1 | 3,859,710.4 | 820.3 | Population (Census) | Exported from HARP database |
| 8012 | CS-GEM-96 | 372,824.9 | 3,859,711.2 | 823.1 | Population (Census) | Exported from HARP database |
| 8013 | CS-GEM-97 | 372,624.0 | 3,859,710.7 | 825.4 | Population (Census) | Exported from HARP database |
| 8014 | CS-GEM-98 | 372,813.1 | 3,859,307.1 | 818.8 | Population (Census) | Exported from HARP database |
| 8015 | CS-GEM-99 | 373,011.6 | 3,859,307.0 | 815.8 | Population (Census) | Exported from HARP database |
| 8016 | CS-GEM-100 | 373,001.4 | 3,858,907.0 | 812.8 | Population (Census) | Exported from HARP database |
| 8017 | CS-GEM-101 | 373,190.8 | 3,858,909.3 | 810.4 | Population (Census) | Exported from HARP database |
| 8018 | CS-GEM-102 | 373,381.4 | 3,858,906.8 | 808.4 | Population (Census) | Exported from HARP database |
| 8019 | CS-GEM-103 | 373,584.4 | 3,858,906.6 | 805.7 | Population (Census) | Exported from HARP database |
| 8020 | CS-GEM-104 | 373,792.5 | 3,858,906.3 | 802.6 | Population (Census) | Exported from HARP database |
| 8021 | CS-GEM-105 | 374,315.9 | 3,859,112.2 | 798.7 | Population (Census) | Exported from HARP database |
| 8022 | CS-GEM-106 | 372,800.8 | 3,858,907.6 | 815.5 | Population (Census) | Exported from HARP database |
| 8023 | CS-GEM-107 | 373,378.7 | 3,858,508.1 | 806.1 | Population (Census) | Exported from HARP database |
| 8024 | CS-GEM-108 | 373,383.8 | 3,858,101.7 | 804.2 | Population (Census) | Exported from HARP database |
| 8025 | CS-GEM-109 | 373,204.7 | 3,858,097.9 | 806.0 | Population (Census) | Exported from HARP database |
| 8026 | CS-GEM-110 | 373,946.3 | 3,858,658.5 | 799.9 | Population (Census) | Exported from HARP database |
| 8027 | CS-GEM-111 | 374,309.1 | 3,858,295.6 | 795.2 | Population (Census) | Exported from HARP database |
| 8028 | CS-GEM-112 | 375,119.1 | 3,858,303.6 | 787.7 | Population (Census) | Exported from HARP database |
| 8029 | CS-GEM-113 | 375,123.3 | 3,859,121.8 | 791.1 | Population (Census) | Exported from HARP database |
| 8030 | CS-GEM-114 | 375,921.3 | 3,859,111.9 | 785.3 | Population (Census) | Exported from HARP database |
| 8031 | CS-GEM-115 | 375,940.9 | 3,859,920.2 | 796.9 | Population (Census) | Exported from HARP database |
| 8032 | CS-GEM-116 | 376,456.1 | 3,860,094.5 | 794.2 | Population (Census) | Exported from HARP database |
| 8033 | CS-GEM-117 | 376,647.2 | 3,860,108.5 | 792.8 | Population (Census) | Exported from HARP database |
| 8034 | CS-GEM-118 | 376,848.2 | 3,860,104.7 | 791.6 | Population (Census) | Exported from HARP database |
| 8035 | CS-GEM-119 | 377,049.3 | 3,860,110.1 | 789.4 | Population (Census) | Exported from HARP database |
| 8036 | CS-GEM-120 | 377,596.3 | 3,860,040.9 | 784.2 | Population (Census) | Exported from HARP database |
| 8037 | CS-GEM-121 | 377,444.9 | 3,859,599.0 | 776.9 | Population (Census) | Exported from HARP database |
| 8038 | CS-GEM-122 | 377,441.8 | 3,859,798.7 | 779.3 | Population (Census) | Exported from HARP database |
| 8039 | CS-GEM-123 | 377,565.1 | 3,860,369.1 | 787.1 | Population (Census) | Exported from HARP database |
| 8040 | CS-GEM-124 | 378,148.4 | 3,860,358.9 | 781.1 | Population (Census) | Exported from HARP database |
| 8041 | CS-GEM-125 | 378,551.0 | 3,860,348.1 | 778.7 | Population (Census) | Exported from HARP database |
| 8042 | CS-GEM-126 | 379,375.8 | 3,861,097.5 | 798.2 | Population (Census) | Exported from HARP database |
| 8043 | CS-GEM-127 | 380,164.4 | 3,859,075.5 | 756.6 | Population (Census) | Exported from HARP database |
| 8044 | CS-GEM-128 | 380,591.1 | 3,861,824.1 | 801.4 | Population (Census) | Exported from HARP database |
| 8045 | CS-GEM-129 | 380,596.0 | 3,862,126.3 | 805.7 | Population (Census) | Exported from HARP database |
| 8046 | CS-GEM-130 | 380,849.7 | 3,862,125.5 | 803.3 | Population (Census) | Exported from HARP database |
| 8047 | CS-GEM-131 | 380,998.0 | 3,862,125.8 | 802.9 | Population (Census) | Exported from HARP database |
| 8048 | CS-GEM-132 | 381,003.6 | 3,861,821.0 | 799.2 | Population (Census) | Exported from HARP database |
| 8049 | CS-GEM-133 | 380,988.1 | 3,861,624.3 | 797.2 | Population (Census) | Exported from HARP database |
| 8050 | CS-GEM-134 | 381,215.1 | 3,861,567.0 | 797.4 | Population (Census) | Exported from HARP database |
| 8051 | CS-GEM-135 | 381,308.6 | 3,861,544.7 | 797.9 | Population (Census) | Exported from HARP database |
| 8052 | CS-GEM-136 | 381,404.3 | 3,861,480.5 | 797.2 | Population (Census) | Exported from HARP database |
| 8053 | CS-GEM-137 | 381,627.6 | 3,861,982.0 | 801.2 | Population (Census) | Exported from HARP database |
| 8054 | CS-GEM-138 | 381,188.3 | 3,860,610.5 | 796.9 | Population (Census) | Exported from HARP database |
| 8055 | CS-GEM-139 | 381,119.5 | 3,861,130.9 | 795.6 | Population (Census) | Exported from HARP database |
| 8056 | CS-GEM-140 | 381,701.9 | 3,860,349.1 | 776.9 | Population (Census) | Exported from HARP database |
| 8057 | CS-GEM-141 | 381,556.1 | 3,861,007.7 | 791.6 | Population (Census) | Exported from HARP database |
| 8058 | CS-GEM-142 | 381,875.1 | 3,861,296.4 | 793.8 | Population (Census) | Exported from HARP database |
| 8059 | CS-GEM-143 | 381,940.7 | 3,861,803.2 | 799.3 | Population (Census) | Exported from HARP database |
| 8060 | CS-GEM-144 | 381,823.8 | 3,861,640.6 | 797.7 | Population (Census) | Exported from HARP database |
| 8061 | CS-GEM-145 | 382,631.6 | 3,862,028.0 | 800.9 | Population (Census) | Exported from HARP database |
| 8062 | CS-GEM-146 | 382,945.9 | 3,861,843.5 | 799.2 | Population (Census) | Exported from HARP database |
| 8063 | CS-GEM-147 | 383,865.2 | 3,861,773.8 | 796.8 | Population (Census) | Exported from HARP database |
| 8064 | CS-GEM-148 | 384,129.8 | 3,862,074.9 | 793.6 | Population (Census) | Exported from HARP database |
| 8065 | CS-GEM-149 | 383,840.0 | 3,862,082.1 | 794.0 | Population (Census) | Exported from HARP database |
| 8066 | CS-GEM-150 | 383,297.2 | 3,860,703.2 | 950.6 | Population (Census) | Exported from HARP database |
| 8067 | CS-GEM-151 | 381,978.3 | 3,860,996.1 | 796.9 | Population (Census) | Exported from HARP database |
| 8068 | CS-GEM-152 | 384,203.8 | 3,859,912.8 | 763.5 | Population (Census) | Exported from HARP database |
| 8069 | CS-GEM-153 | 384,448.5 | 3,861,307.5 | 788.3 | Population (Census) | Exported from HARP database |
| 8070 | CS-GEM-154 | 382,212.2 | 3,861,386.5 | 800.6 | Population (Census) | Exported from HARP database |
| 8071 | CS-GEM-155 | 384,817.8 | 3,860,316.1 | 763.2 | Population (Census) | Exported from HARP database |
| 8072 | CS-GEM-156 | 384,711.3 | 3,860,075.3 | 759.8 | Population (Census) | Exported from HARP database |
| 8073 | CS-GEM-157 | 383,904.1 | 3,861,564.6 | 804.9 | Population (Census) | Exported from HARP database |
| 8074 | CS-GEM-158 | 385,174.5 | 3,861,512.8 | 817.9 | Population (Census) | Exported from HARP database |
| 8075 | CS-GEM-159 | 385,345.9 | 3,861,008.5 | 761.0 | Population (Census) | Exported from HARP database |
| 8076 | CS-GEM-160 | 385,777.0 | 3,861,276.5 | 775.4 | Population (Census) | Exported from HARP database |
| 8077 | CS-GEM-161 | 384,596.1 | 3,861,253.3 | 783.7 | Population (Census) | Exported from HARP database |
| 8078 | CS-GEM-162 | 386,157.1 | 3,861,968.7 | 780.1 | Population (Census) | Exported from HARP database |
| 8079 | CS-GEM-163 | 386,340.7 | 3,861,275.8 | 781.8 | Population (Census) | Exported from HARP database |
| 8080 | CS-GEM-164 | 386,645.0 | 3,860,869.3 | 765.8 | Population (Census) | Exported from HARP database |
| 8081 | CS-GEM-165 | 386,139.8 | 3,860,844.6 | 755.8 | Population (Census) | Exported from HARP database |
| 8082 | CS-GEM-166 | 386,517.6 | 3,861,766.2 | 774.4 | Population (Census) | Exported from HARP database |
| 8083 | CS-GEM-167 | 386,564.4 | 3,861,564.8 | 772.1 | Population (Census) | Exported from HARP database |
| 8084 | CS-GEM-168 | 386,617.6 | 3,861,763.1 | 773.5 | Population (Census) | Exported from HARP database |
| 8085 | CS-GEM-169 | 386,767.2 | 3,861,761.8 | 772.1 | Population (Census) | Exported from HARP database |
| 8086 | CS-GEM-170 | 387,558.3 | 3,861,353.5 | 762.9 | Population (Census) | Exported from HARP database |
| 8087 | CS-GEM-171 | 388,300.7 | 3,860,873.8 | 755.8 | Population (Census) | Exported from HARP database |
| 8088 | CS-GEM-172 | 388,170.7 | 3,859,997.7 | 748.2 | Population (Census) | Exported from HARP database |
| 8089 | CS-GEM-173 | 387,437.4 | 3,860,504.0 | 823.2 | Population (Census) | Exported from HARP database |
| 8090 | CS-GEM-174 | 386,746.9 | 3,860,340.7 | 781.0 | Population (Census) | Exported from HARP database |
| 8091 | CS-GEM-175 | 386,757.1 | 3,861,122.9 | 782.9 | Population (Census) | Exported from HARP database |
| 8092 | CS-GEM-176 | 386,681.9 | 3,860,888.4 | 768.7 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8093 | CS-GEM-177 | 386,762.6 | 3,861,562.2 | 770.3 | Population (Census) | Exported from HARP database |
| 8094 | CS-GEM-178 | 387,844.8 | 3,860,162.6 | 762.5 | Population (Census) | Exported from HARP database |
| 8095 | CS-GEM-179 | 387,321.7 | 3,860,016.2 | 762.3 | Population (Census) | Exported from HARP database |
| 8096 | CS-GEM-180 | 385,983.3 | 3,861,313.4 | 782.5 | Population (Census) | Exported from HARP database |
| 8097 | CS-GEM-181 | 385,982.9 | 3,861,119.6 | 772.8 | Population (Census) | Exported from HARP database |
| 8098 | CS-GEM-182 | 385,880.0 | 3,861,119.4 | 770.6 | Population (Census) | Exported from HARP database |
| 8099 | CS-GEM-183 | 386,596.3 | 3,860,779.4 | 761.5 | Population (Census) | Exported from HARP database |
| 8100 | CS-GEM-184 | 386,521.7 | 3,860,391.0 | 754.9 | Population (Census) | Exported from HARP database |
| 8101 | CS-GEM-185 | 386,260.0 | 3,860,475.5 | 747.4 | Population (Census) | Exported from HARP database |
| 8102 | CS-GEM-186 | 386,153.2 | 3,860,400.1 | 745.5 | Population (Census) | Exported from HARP database |
| 8103 | CS-GEM-187 | 385,828.9 | 3,860,682.3 | 751.2 | Population (Census) | Exported from HARP database |
| 8104 | CS-GEM-188 | 385,689.4 | 3,861,049.7 | 766.1 | Population (Census) | Exported from HARP database |
| 8105 | CS-GEM-189 | 385,535.3 | 3,860,996.9 | 759.9 | Population (Census) | Exported from HARP database |
| 8106 | CS-GEM-190 | 385,565.8 | 3,860,777.5 | 753.0 | Population (Census) | Exported from HARP database |
| 8107 | CS-GEM-191 | 385,427.2 | 3,860,541.0 | 753.2 | Population (Census) | Exported from HARP database |
| 8108 | CS-GEM-192 | 385,353.9 | 3,860,894.0 | 756.8 | Population (Census) | Exported from HARP database |
| 8109 | CS-GEM-193 | 385,056.0 | 3,860,318.1 | 753.3 | Population (Census) | Exported from HARP database |
| 8110 | CS-GEM-194 | 385,038.5 | 3,860,770.4 | 759.3 | Population (Census) | Exported from HARP database |
| 8111 | CS-GEM-195 | 384,929.2 | 3,859,938.0 | 746.9 | Population (Census) | Exported from HARP database |
| 8112 | CS-GEM-196 | 385,045.1 | 3,859,900.8 | 745.1 | Population (Census) | Exported from HARP database |
| 8113 | CS-GEM-197 | 385,134.0 | 3,859,869.9 | 745.0 | Population (Census) | Exported from HARP database |
| 8114 | CS-GEM-198 | 385,125.1 | 3,859,806.4 | 744.2 | Population (Census) | Exported from HARP database |
| 8115 | CS-GEM-199 | 385,022.8 | 3,859,824.0 | 743.9 | Population (Census) | Exported from HARP database |
| 8116 | CS-GEM-200 | 384,283.0 | 3,859,330.3 | 734.9 | Population (Census) | Exported from HARP database |
| 8117 | CS-GEM-201 | 384,681.1 | 3,859,284.7 | 735.5 | Population (Census) | Exported from HARP database |
| 8118 | CS-GEM-202 | 384,773.5 | 3,859,892.5 | 747.2 | Population (Census) | Exported from HARP database |
| 8119 | CS-GEM-203 | 385,198.3 | 3,859,777.7 | 744.0 | Population (Census) | Exported from HARP database |
| 8120 | CS-GEM-204 | 385,638.2 | 3,859,653.3 | 742.9 | Population (Census) | Exported from HARP database |
| 8121 | CS-GEM-205 | 385,647.0 | 3,860,049.5 | 747.0 | Population (Census) | Exported from HARP database |
| 8122 | CS-GEM-206 | 385,808.8 | 3,860,399.0 | 748.1 | Population (Census) | Exported from HARP database |
| 8123 | CS-GEM-207 | 386,102.5 | 3,860,302.6 | 745.0 | Population (Census) | Exported from HARP database |
| 8124 | CS-GEM-208 | 386,291.8 | 3,860,008.6 | 741.6 | Population (Census) | Exported from HARP database |
| 8125 | CS-GEM-209 | 386,348.6 | 3,860,201.9 | 742.7 | Population (Census) | Exported from HARP database |
| 8126 | CS-GEM-210 | 386,370.4 | 3,860,252.2 | 743.0 | Population (Census) | Exported from HARP database |
| 8127 | CS-GEM-211 | 384,631.5 | 3,859,405.7 | 736.1 | Population (Census) | Exported from HARP database |
| 8128 | CS-GEM-212 | 384,545.7 | 3,859,585.1 | 737.2 | Population (Census) | Exported from HARP database |
| 8129 | CS-GEM-213 | 384,421.2 | 3,859,546.7 | 738.1 | Population (Census) | Exported from HARP database |
| 8130 | CS-GEM-214 | 383,796.3 | 3,859,697.4 | 762.5 | Population (Census) | Exported from HARP database |
| 8131 | CS-GEM-215 | 383,679.6 | 3,859,547.2 | 753.4 | Population (Census) | Exported from HARP database |
| 8132 | CS-GEM-216 | 383,399.9 | 3,859,764.0 | 775.7 | Population (Census) | Exported from HARP database |
| 8133 | CS-GEM-217 | 383,115.3 | 3,859,768.3 | 775.6 | Population (Census) | Exported from HARP database |
| 8134 | CS-GEM-218 | 382,916.1 | 3,859,771.8 | 774.4 | Population (Census) | Exported from HARP database |
| 8135 | CS-GEM-219 | 382,603.3 | 3,859,778.0 | 762.6 | Population (Census) | Exported from HARP database |
| 8136 | CS-GEM-220 | 382,202.4 | 3,859,784.2 | 760.3 | Population (Census) | Exported from HARP database |
| 8137 | CS-GEM-221 | 381,710.3 | 3,859,685.1 | 763.3 | Population (Census) | Exported from HARP database |
| 8138 | CS-GEM-222 | 381,298.6 | 3,859,598.1 | 760.6 | Population (Census) | Exported from HARP database |
| 8139 | CS-GEM-223 | 380,399.9 | 3,859,891.2 | 763.8 | Population (Census) | Exported from HARP database |
| 8140 | CS-GEM-224 | 380,947.7 | 3,860,068.2 | 765.3 | Population (Census) | Exported from HARP database |
| 8141 | CS-GEM-225 | 380,507.4 | 3,860,105.4 | 765.7 | Population (Census) | Exported from HARP database |
| 8142 | CS-GEM-226 | 380,838.6 | 3,860,697.5 | 788.0 | Population (Census) | Exported from HARP database |
| 8143 | CS-GEM-227 | 380,712.6 | 3,860,703.7 | 789.7 | Population (Census) | Exported from HARP database |
| 8144 | CS-GEM-228 | 380,657.8 | 3,860,786.9 | 786.5 | Population (Census) | Exported from HARP database |
| 8145 | CS-GEM-229 | 380,834.9 | 3,861,216.8 | 794.1 | Population (Census) | Exported from HARP database |
| 8146 | CS-GEM-230 | 380,684.6 | 3,861,522.5 | 797.7 | Population (Census) | Exported from HARP database |
| 8147 | CS-GEM-231 | 380,485.5 | 3,861,525.2 | 798.8 | Population (Census) | Exported from HARP database |
| 8148 | CS-GEM-232 | 380,532.1 | 3,861,218.5 | 794.7 | Population (Census) | Exported from HARP database |
| 8149 | CS-GEM-233 | 380,580.0 | 3,861,015.6 | 791.8 | Population (Census) | Exported from HARP database |
| 8150 | CS-GEM-234 | 380,475.2 | 3,860,765.7 | 786.0 | Population (Census) | Exported from HARP database |
| 8151 | CS-GEM-235 | 380,780.8 | 3,859,089.7 | 754.8 | Population (Census) | Exported from HARP database |
| 8152 | CS-GEM-236 | 381,389.1 | 3,858,484.9 | 749.0 | Population (Census) | Exported from HARP database |
| 8153 | CS-GEM-237 | 381,692.2 | 3,858,584.8 | 747.9 | Population (Census) | Exported from HARP database |
| 8154 | CS-GEM-238 | 381,795.6 | 3,858,737.5 | 749.0 | Population (Census) | Exported from HARP database |
| 8155 | CS-GEM-239 | 382,396.9 | 3,859,080.7 | 753.8 | Population (Census) | Exported from HARP database |
| 8156 | CS-GEM-240 | 382,602.4 | 3,859,579.3 | 756.5 | Population (Census) | Exported from HARP database |
| 8157 | CS-GEM-241 | 382,924.9 | 3,859,573.9 | 757.6 | Population (Census) | Exported from HARP database |
| 8158 | CS-GEM-242 | 383,124.8 | 3,859,570.5 | 759.5 | Population (Census) | Exported from HARP database |
| 8159 | CS-GEM-243 | 383,401.7 | 3,859,566.9 | 759.6 | Population (Census) | Exported from HARP database |
| 8160 | CS-GEM-244 | 383,402.2 | 3,859,060.9 | 746.3 | Population (Census) | Exported from HARP database |
| 8161 | CS-GEM-245 | 383,109.3 | 3,859,057.9 | 749.9 | Population (Census) | Exported from HARP database |
| 8162 | CS-GEM-246 | 382,905.5 | 3,859,075.7 | 751.9 | Population (Census) | Exported from HARP database |
| 8163 | CS-GEM-247 | 382,687.4 | 3,858,170.2 | 740.2 | Population (Census) | Exported from HARP database |
| 8164 | CS-GEM-248 | 382,195.2 | 3,858,178.7 | 743.0 | Population (Census) | Exported from HARP database |
| 8165 | CS-GEM-249 | 383,102.3 | 3,858,462.4 | 742.0 | Population (Census) | Exported from HARP database |
| 8166 | CS-GEM-250 | 383,400.7 | 3,858,153.1 | 737.0 | Population (Census) | Exported from HARP database |
| 8167 | CS-GEM-251 | 381,891.9 | 3,858,584.1 | 746.6 | Population (Census) | Exported from HARP database |
| 8168 | CS-GEM-252 | 381,891.4 | 3,858,383.2 | 745.5 | Population (Census) | Exported from HARP database |
| 8169 | CS-GEM-253 | 381,692.0 | 3,858,383.2 | 746.7 | Population (Census) | Exported from HARP database |
| 8170 | CS-GEM-254 | 381,690.6 | 3,858,185.1 | 745.7 | Population (Census) | Exported from HARP database |
| 8171 | CS-GEM-255 | 381,891.9 | 3,858,181.4 | 744.8 | Population (Census) | Exported from HARP database |
| 8172 | CS-GEM-256 | 381,889.1 | 3,857,982.7 | 743.8 | Population (Census) | Exported from HARP database |
| 8173 | CS-GEM-257 | 381,688.4 | 3,857,986.2 | 744.9 | Population (Census) | Exported from HARP database |
| 8174 | CS-GEM-258 | 381,488.6 | 3,857,987.7 | 745.8 | Population (Census) | Exported from HARP database |
| 8175 | CS-GEM-259 | 381,384.1 | 3,858,185.2 | 747.3 | Population (Census) | Exported from HARP database |
| 8176 | CS-GEM-260 | 380,781.0 | 3,858,379.9 | 749.8 | Population (Census) | Exported from HARP database |
| 8177 | CS-GEM-261 | 380,403.3 | 3,858,579.2 | 752.4 | Population (Census) | Exported from HARP database |
| 8178 | CS-GEM-262 | 379,788.2 | 3,857,773.1 | 753.3 | Population (Census) | Exported from HARP database |
| 8179 | CS-GEM-263 | 379,130.3 | 3,858,310.9 | 758.3 | Population (Census) | Exported from HARP database |
| 8180 | CS-GEM-264 | 378,336.6 | 3,858,287.1 | 763.7 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8181 | CS-GEM-265 | 378,343.9 | 3,859,503.8 | 767.3 | Population (Census) | Exported from HARP database |
| 8182 | CS-GEM-266 | 377,536.6 | 3,859,100.9 | 770.8 | Population (Census) | Exported from HARP database |
| 8183 | CS-GEM-267 | 376,729.5 | 3,859,107.6 | 778.3 | Population (Census) | Exported from HARP database |
| 8184 | CS-GEM-268 | 376,444.2 | 3,859,709.7 | 787.6 | Population (Census) | Exported from HARP database |
| 8185 | CS-GEM-269 | 376,644.9 | 3,859,706.6 | 785.2 | Population (Census) | Exported from HARP database |
| 8186 | CS-GEM-270 | 376,846.5 | 3,859,711.7 | 784.2 | Population (Census) | Exported from HARP database |
| 8187 | CS-GEM-271 | 377,045.0 | 3,859,710.2 | 783.1 | Population (Census) | Exported from HARP database |
| 8188 | CS-GEM-272 | 378,427.4 | 3,857,779.6 | 764.4 | Population (Census) | Exported from HARP database |
| 8189 | CS-GEM-273 | 378,030.9 | 3,857,735.3 | 766.9 | Population (Census) | Exported from HARP database |
| 8190 | CS-GEM-274 | 377,829.5 | 3,857,683.0 | 767.5 | Population (Census) | Exported from HARP database |
| 8191 | CS-GEM-275 | 377,725.3 | 3,858,290.3 | 768.4 | Population (Census) | Exported from HARP database |
| 8192 | CS-GEM-276 | 377,322.8 | 3,858,289.5 | 771.5 | Population (Census) | Exported from HARP database |
| 8193 | CS-GEM-277 | 376,724.3 | 3,858,290.3 | 775.7 | Population (Census) | Exported from HARP database |
| 8194 | CS-GEM-278 | 376,104.8 | 3,858,598.1 | 780.6 | Population (Census) | Exported from HARP database |
| 8195 | CS-GEM-279 | 375,712.1 | 3,858,599.1 | 784.0 | Population (Census) | Exported from HARP database |
| 8196 | CS-GEM-280 | 375,713.9 | 3,858,394.5 | 783.7 | Population (Census) | Exported from HARP database |
| 8197 | CS-GEM-281 | 376,107.7 | 3,858,394.3 | 780.5 | Population (Census) | Exported from HARP database |
| 8198 | CS-GEM-282 | 376,110.6 | 3,858,191.6 | 779.8 | Population (Census) | Exported from HARP database |
| 8199 | CS-GEM-283 | 375,716.6 | 3,858,192.2 | 782.9 | Population (Census) | Exported from HARP database |
| 8200 | CS-GEM-284 | 375,716.9 | 3,857,993.3 | 782.6 | Population (Census) | Exported from HARP database |
| 8201 | CS-GEM-285 | 376,112.2 | 3,857,991.2 | 779.1 | Population (Census) | Exported from HARP database |
| 8202 | CS-GEM-286 | 375,917.1 | 3,857,491.7 | 780.3 | Population (Census) | Exported from HARP database |
| 8203 | CS-GEM-287 | 375,121.1 | 3,857,492.1 | 787.2 | Population (Census) | Exported from HARP database |
| 8204 | CS-GEM-288 | 374,312.3 | 3,857,495.8 | 795.6 | Population (Census) | Exported from HARP database |
| 8205 | CS-GEM-289 | 374,709.6 | 3,856,289.5 | 785.1 | Population (Census) | Exported from HARP database |
| 8206 | CS-GEM-290 | 374,892.8 | 3,855,460.2 | 779.3 | Population (Census) | Exported from HARP database |
| 8207 | CS-GEM-291 | 375,405.5 | 3,855,387.8 | 776.9 | Population (Census) | Exported from HARP database |
| 8208 | CS-GEM-292 | 376,188.9 | 3,854,355.0 | 771.0 | Population (Census) | Exported from HARP database |
| 8209 | CS-GEM-293 | 376,424.8 | 3,855,102.6 | 771.2 | Population (Census) | Exported from HARP database |
| 8210 | CS-GEM-294 | 376,722.9 | 3,856,276.5 | 771.4 | Population (Census) | Exported from HARP database |
| 8211 | CS-GEM-295 | 376,718.9 | 3,857,483.5 | 773.8 | Population (Census) | Exported from HARP database |
| 8212 | CS-GEM-296 | 377,224.9 | 3,857,680.6 | 771.9 | Population (Census) | Exported from HARP database |
| 8213 | CS-GEM-297 | 377,527.3 | 3,857,782.5 | 769.9 | Population (Census) | Exported from HARP database |
| 8214 | CS-GEM-298 | 377,322.1 | 3,856,573.2 | 769.8 | Population (Census) | Exported from HARP database |
| 8215 | CS-GEM-299 | 377,322.6 | 3,856,778.4 | 769.7 | Population (Census) | Exported from HARP database |
| 8216 | CS-GEM-300 | 377,325.2 | 3,856,981.2 | 769.9 | Population (Census) | Exported from HARP database |
| 8217 | CS-GEM-301 | 377,225.4 | 3,857,281.1 | 770.4 | Population (Census) | Exported from HARP database |
| 8218 | CS-GEM-302 | 377,426.4 | 3,857,481.6 | 769.4 | Population (Census) | Exported from HARP database |
| 8219 | CS-GEM-303 | 377,627.4 | 3,857,482.3 | 768.6 | Population (Census) | Exported from HARP database |
| 8220 | CS-GEM-304 | 377,527.7 | 3,857,181.2 | 768.2 | Population (Census) | Exported from HARP database |
| 8221 | CS-GEM-305 | 377,829.1 | 3,857,283.2 | 766.6 | Population (Census) | Exported from HARP database |
| 8222 | CS-GEM-306 | 378,030.8 | 3,857,435.9 | 765.6 | Population (Census) | Exported from HARP database |
| 8223 | CS-GEM-307 | 378,333.7 | 3,857,587.5 | 764.7 | Population (Census) | Exported from HARP database |
| 8224 | CS-GEM-308 | 378,633.8 | 3,857,588.3 | 762.5 | Population (Census) | Exported from HARP database |
| 8225 | CS-GEM-309 | 378,631.6 | 3,857,287.4 | 762.1 | Population (Census) | Exported from HARP database |
| 8226 | CS-GEM-310 | 378,333.0 | 3,857,385.7 | 763.7 | Population (Census) | Exported from HARP database |
| 8227 | CS-GEM-311 | 378,382.4 | 3,857,184.0 | 763.7 | Population (Census) | Exported from HARP database |
| 8228 | CS-GEM-312 | 378,081.1 | 3,857,184.0 | 765.1 | Population (Census) | Exported from HARP database |
| 8229 | CS-GEM-313 | 378,273.8 | 3,856,720.3 | 762.8 | Population (Census) | Exported from HARP database |
| 8230 | CS-GEM-314 | 379,127.2 | 3,856,679.5 | 757.5 | Population (Census) | Exported from HARP database |
| 8231 | CS-GEM-315 | 379,938.8 | 3,856,889.7 | 752.2 | Population (Census) | Exported from HARP database |
| 8232 | CS-GEM-316 | 380,756.2 | 3,856,883.0 | 747.8 | Population (Census) | Exported from HARP database |
| 8233 | CS-GEM-317 | 380,967.1 | 3,857,182.1 | 746.3 | Population (Census) | Exported from HARP database |
| 8234 | CS-GEM-318 | 381,075.7 | 3,857,386.9 | 746.3 | Population (Census) | Exported from HARP database |
| 8235 | CS-GEM-319 | 381,071.8 | 3,857,542.2 | 746.4 | Population (Census) | Exported from HARP database |
| 8236 | CS-GEM-320 | 381,077.2 | 3,857,738.6 | 746.9 | Population (Census) | Exported from HARP database |
| 8237 | CS-GEM-321 | 380,764.7 | 3,857,985.2 | 749.0 | Population (Census) | Exported from HARP database |
| 8238 | CS-GEM-322 | 381,285.3 | 3,857,983.9 | 746.7 | Population (Census) | Exported from HARP database |
| 8239 | CS-GEM-323 | 381,283.1 | 3,857,782.9 | 746.1 | Population (Census) | Exported from HARP database |
| 8240 | CS-GEM-324 | 381,485.9 | 3,857,683.6 | 744.8 | Population (Census) | Exported from HARP database |
| 8241 | CS-GEM-325 | 381,687.8 | 3,857,783.0 | 744.3 | Population (Census) | Exported from HARP database |
| 8242 | CS-GEM-326 | 381,889.3 | 3,857,782.5 | 743.3 | Population (Census) | Exported from HARP database |
| 8243 | CS-GEM-327 | 382,192.9 | 3,857,727.8 | 741.4 | Population (Census) | Exported from HARP database |
| 8244 | CS-GEM-328 | 382,598.6 | 3,857,720.6 | 739.3 | Population (Census) | Exported from HARP database |
| 8245 | CS-GEM-329 | 381,889.6 | 3,857,579.8 | 742.9 | Population (Census) | Exported from HARP database |
| 8246 | CS-GEM-330 | 381,687.2 | 3,857,581.2 | 743.8 | Population (Census) | Exported from HARP database |
| 8247 | CS-GEM-331 | 381,687.7 | 3,857,430.2 | 743.5 | Population (Census) | Exported from HARP database |
| 8248 | CS-GEM-332 | 381,888.7 | 3,857,429.2 | 742.5 | Population (Census) | Exported from HARP database |
| 8249 | CS-GEM-333 | 382,389.6 | 3,857,269.7 | 739.7 | Population (Census) | Exported from HARP database |
| 8250 | CS-GEM-334 | 382,397.3 | 3,857,575.4 | 740.1 | Population (Census) | Exported from HARP database |
| 8251 | CS-GEM-335 | 383,202.5 | 3,857,457.2 | 735.7 | Population (Census) | Exported from HARP database |
| 8252 | CS-GEM-336 | 383,705.5 | 3,857,744.8 | 734.1 | Population (Census) | Exported from HARP database |
| 8253 | CS-GEM-337 | 384,409.2 | 3,858,251.1 | 734.0 | Population (Census) | Exported from HARP database |
| 8254 | CS-GEM-338 | 385,123.5 | 3,858,750.9 | 732.0 | Population (Census) | Exported from HARP database |
| 8255 | CS-GEM-339 | 385,428.0 | 3,859,064.9 | 735.1 | Population (Census) | Exported from HARP database |
| 8256 | CS-GEM-340 | 385,831.8 | 3,859,051.0 | 735.3 | Population (Census) | Exported from HARP database |
| 8257 | CS-GEM-341 | 386,412.1 | 3,859,026.3 | 732.9 | Population (Census) | Exported from HARP database |
| 8258 | CS-GEM-342 | 386,738.7 | 3,859,335.2 | 734.0 | Population (Census) | Exported from HARP database |
| 8259 | CS-GEM-343 | 386,339.6 | 3,859,641.0 | 738.3 | Population (Census) | Exported from HARP database |
| 8260 | CS-GEM-344 | 386,739.1 | 3,859,637.0 | 736.5 | Population (Census) | Exported from HARP database |
| 8261 | CS-GEM-345 | 386,717.6 | 3,859,867.2 | 739.2 | Population (Census) | Exported from HARP database |
| 8262 | CS-GEM-346 | 386,525.1 | 3,858,439.4 | 728.8 | Population (Census) | Exported from HARP database |
| 8263 | CS-GEM-347 | 386,229.5 | 3,858,438.5 | 729.4 | Population (Census) | Exported from HARP database |
| 8264 | CS-GEM-348 | 385,827.5 | 3,858,543.8 | 730.8 | Population (Census) | Exported from HARP database |
| 8265 | CS-GEM-349 | 385,418.9 | 3,858,549.6 | 731.0 | Population (Census) | Exported from HARP database |
| 8266 | CS-GEM-350 | 385,418.4 | 3,858,152.8 | 729.3 | Population (Census) | Exported from HARP database |
| 8267 | CS-GEM-351 | 385,819.6 | 3,858,138.8 | 728.5 | Population (Census) | Exported from HARP database |
| 8268 | CS-GEM-352 | 386,230.2 | 3,858,034.9 | 727.2 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8269 | CS-GEM-353 | 386,524.4 | 3,858,033.4 | 726.6 | Population (Census) | Exported from HARP database |
| 8270 | CS-GEM-354 | 386,725.1 | 3,858,029.4 | 726.4 | Population (Census) | Exported from HARP database |
| 8271 | CS-GEM-355 | 386,729.4 | 3,858,434.1 | 728.1 | Population (Census) | Exported from HARP database |
| 8272 | CS-GEM-356 | 386,920.4 | 3,858,636.4 | 729.3 | Population (Census) | Exported from HARP database |
| 8273 | CS-GEM-357 | 387,027.4 | 3,858,815.8 | 730.4 | Population (Census) | Exported from HARP database |
| 8274 | CS-GEM-358 | 387,146.6 | 3,859,060.2 | 732.8 | Population (Census) | Exported from HARP database |
| 8275 | CS-GEM-359 | 387,296.3 | 3,858,633.1 | 730.7 | Population (Census) | Exported from HARP database |
| 8276 | CS-GEM-360 | 387,130.7 | 3,858,635.3 | 729.5 | Population (Census) | Exported from HARP database |
| 8277 | CS-GEM-361 | 387,392.0 | 3,858,632.3 | 731.2 | Population (Census) | Exported from HARP database |
| 8278 | CS-GEM-362 | 387,039.0 | 3,859,460.0 | 734.8 | Population (Census) | Exported from HARP database |
| 8279 | CS-GEM-363 | 387,023.0 | 3,859,577.2 | 735.5 | Population (Census) | Exported from HARP database |
| 8280 | CS-GEM-364 | 387,303.4 | 3,859,704.6 | 742.5 | Population (Census) | Exported from HARP database |
| 8281 | CS-GEM-365 | 387,752.9 | 3,859,701.8 | 744.0 | Population (Census) | Exported from HARP database |
| 8282 | CS-GEM-366 | 388,082.4 | 3,859,210.1 | 739.4 | Population (Census) | Exported from HARP database |
| 8283 | CS-GEM-367 | 388,363.2 | 3,859,742.8 | 745.2 | Population (Census) | Exported from HARP database |
| 8284 | CS-GEM-368 | 387,757.7 | 3,858,727.5 | 733.4 | Population (Census) | Exported from HARP database |
| 8285 | CS-GEM-369 | 388,006.4 | 3,858,688.1 | 734.4 | Population (Census) | Exported from HARP database |
| 8286 | CS-GEM-370 | 387,455.5 | 3,859,494.0 | 739.9 | Population (Census) | Exported from HARP database |
| 8287 | CS-GEM-371 | 387,449.1 | 3,859,378.2 | 738.3 | Population (Census) | Exported from HARP database |
| 8288 | CS-GEM-372 | 387,488.1 | 3,859,040.9 | 735.2 | Population (Census) | Exported from HARP database |
| 8289 | CS-GEM-373 | 386,886.7 | 3,858,332.6 | 727.2 | Population (Census) | Exported from HARP database |
| 8290 | CS-GEM-374 | 387,059.2 | 3,858,444.8 | 727.7 | Population (Census) | Exported from HARP database |
| 8291 | CS-GEM-375 | 387,242.6 | 3,858,432.0 | 728.4 | Population (Census) | Exported from HARP database |
| 8292 | CS-GEM-376 | 387,295.4 | 3,858,429.6 | 728.8 | Population (Census) | Exported from HARP database |
| 8293 | CS-GEM-377 | 387,389.3 | 3,858,507.1 | 729.9 | Population (Census) | Exported from HARP database |
| 8294 | CS-GEM-378 | 387,461.5 | 3,858,570.3 | 731.1 | Population (Census) | Exported from HARP database |
| 8295 | CS-GEM-379 | 387,492.3 | 3,858,631.0 | 731.8 | Population (Census) | Exported from HARP database |
| 8296 | CS-GEM-380 | 387,591.3 | 3,858,629.8 | 732.5 | Population (Census) | Exported from HARP database |
| 8297 | CS-GEM-381 | 387,749.3 | 3,858,628.0 | 732.6 | Population (Census) | Exported from HARP database |
| 8298 | CS-GEM-382 | 388,160.4 | 3,858,622.5 | 733.8 | Population (Census) | Exported from HARP database |
| 8299 | CS-GEM-383 | 388,040.7 | 3,858,215.2 | 729.2 | Population (Census) | Exported from HARP database |
| 8300 | CS-GEM-384 | 387,591.8 | 3,858,570.8 | 731.8 | Population (Census) | Exported from HARP database |
| 8301 | CS-GEM-385 | 388,138.7 | 3,857,606.9 | 723.3 | Population (Census) | Exported from HARP database |
| 8302 | CS-GEM-386 | 387,960.3 | 3,857,190.9 | 722.0 | Population (Census) | Exported from HARP database |
| 8303 | CS-GEM-387 | 387,788.3 | 3,857,714.7 | 723.6 | Population (Census) | Exported from HARP database |
| 8304 | CS-GEM-388 | 388,339.9 | 3,857,506.4 | 722.8 | Population (Census) | Exported from HARP database |
| 8305 | CS-GEM-389 | 387,688.6 | 3,857,716.4 | 723.8 | Population (Census) | Exported from HARP database |
| 8306 | CS-GEM-390 | 387,589.0 | 3,857,719.5 | 724.1 | Population (Census) | Exported from HARP database |
| 8307 | CS-GEM-391 | 387,447.7 | 3,857,420.8 | 723.5 | Population (Census) | Exported from HARP database |
| 8308 | CS-GEM-392 | 387,354.4 | 3,857,905.7 | 725.0 | Population (Census) | Exported from HARP database |
| 8309 | CS-GEM-393 | 387,387.8 | 3,858,122.5 | 726.3 | Population (Census) | Exported from HARP database |
| 8310 | CS-GEM-394 | 387,493.0 | 3,858,303.5 | 728.2 | Population (Census) | Exported from HARP database |
| 8311 | CS-GEM-395 | 387,591.1 | 3,858,410.9 | 730.0 | Population (Census) | Exported from HARP database |
| 8312 | CS-GEM-396 | 387,588.6 | 3,858,160.6 | 727.6 | Population (Census) | Exported from HARP database |
| 8313 | CS-GEM-397 | 387,536.0 | 3,857,968.9 | 726.2 | Population (Census) | Exported from HARP database |
| 8314 | CS-GEM-398 | 387,536.9 | 3,857,871.0 | 725.5 | Population (Census) | Exported from HARP database |
| 8315 | CS-GEM-399 | 388,238.0 | 3,856,812.0 | 720.9 | Population (Census) | Exported from HARP database |
| 8316 | CS-GEM-400 | 387,934.7 | 3,856,614.4 | 721.1 | Population (Census) | Exported from HARP database |
| 8317 | CS-GEM-401 | 387,732.2 | 3,856,609.9 | 721.6 | Population (Census) | Exported from HARP database |
| 8318 | CS-GEM-402 | 387,534.2 | 3,856,808.8 | 722.5 | Population (Census) | Exported from HARP database |
| 8319 | CS-GEM-403 | 387,341.2 | 3,856,806.3 | 723.0 | Population (Census) | Exported from HARP database |
| 8320 | CS-GEM-404 | 387,197.5 | 3,857,367.4 | 723.9 | Population (Census) | Exported from HARP database |
| 8321 | CS-GEM-405 | 387,003.2 | 3,857,697.2 | 724.9 | Population (Census) | Exported from HARP database |
| 8322 | CS-GEM-406 | 387,035.7 | 3,857,976.6 | 725.6 | Population (Census) | Exported from HARP database |
| 8323 | CS-GEM-407 | 387,040.1 | 3,858,178.5 | 726.4 | Population (Census) | Exported from HARP database |
| 8324 | CS-GEM-408 | 387,289.0 | 3,858,076.3 | 725.8 | Population (Census) | Exported from HARP database |
| 8325 | CS-GEM-409 | 387,423.9 | 3,856,505.9 | 722.3 | Population (Census) | Exported from HARP database |
| 8326 | CS-GEM-410 | 387,196.2 | 3,856,852.5 | 723.6 | Population (Census) | Exported from HARP database |
| 8327 | CS-GEM-411 | 387,164.5 | 3,857,088.9 | 723.8 | Population (Census) | Exported from HARP database |
| 8328 | CS-GEM-412 | 386,961.9 | 3,857,088.5 | 724.0 | Population (Census) | Exported from HARP database |
| 8329 | CS-GEM-413 | 386,626.6 | 3,857,196.1 | 724.5 | Population (Census) | Exported from HARP database |
| 8330 | CS-GEM-414 | 386,371.7 | 3,857,516.1 | 725.4 | Population (Census) | Exported from HARP database |
| 8331 | CS-GEM-415 | 385,824.1 | 3,857,637.1 | 727.0 | Population (Census) | Exported from HARP database |
| 8332 | CS-GEM-416 | 385,425.6 | 3,857,449.5 | 728.2 | Population (Census) | Exported from HARP database |
| 8333 | CS-GEM-417 | 384,812.5 | 3,857,452.0 | 729.9 | Population (Census) | Exported from HARP database |
| 8334 | CS-GEM-418 | 384,308.6 | 3,857,749.6 | 731.6 | Population (Census) | Exported from HARP database |
| 8335 | CS-GEM-419 | 384,116.2 | 3,857,750.2 | 732.2 | Population (Census) | Exported from HARP database |
| 8336 | CS-GEM-420 | 383,912.4 | 3,857,745.1 | 733.0 | Population (Census) | Exported from HARP database |
| 8337 | CS-GEM-421 | 383,911.1 | 3,857,546.5 | 733.1 | Population (Census) | Exported from HARP database |
| 8338 | CS-GEM-422 | 384,208.3 | 3,857,549.9 | 732.1 | Population (Census) | Exported from HARP database |
| 8339 | CS-GEM-423 | 384,206.3 | 3,857,343.3 | 732.1 | Population (Census) | Exported from HARP database |
| 8340 | CS-GEM-424 | 383,908.8 | 3,857,345.7 | 733.2 | Population (Census) | Exported from HARP database |
| 8341 | CS-GEM-425 | 383,705.1 | 3,857,446.1 | 733.8 | Population (Census) | Exported from HARP database |
| 8342 | CS-GEM-426 | 383,812.9 | 3,857,141.7 | 733.4 | Population (Census) | Exported from HARP database |
| 8343 | CS-GEM-427 | 384,203.4 | 3,857,143.3 | 732.3 | Population (Census) | Exported from HARP database |
| 8344 | CS-GEM-428 | 384,210.9 | 3,856,941.5 | 732.4 | Population (Census) | Exported from HARP database |
| 8345 | CS-GEM-429 | 383,808.1 | 3,856,939.9 | 733.6 | Population (Census) | Exported from HARP database |
| 8346 | CS-GEM-430 | 383,193.2 | 3,856,661.2 | 736.1 | Population (Census) | Exported from HARP database |
| 8347 | CS-GEM-431 | 382,387.3 | 3,856,259.5 | 739.9 | Population (Census) | Exported from HARP database |
| 8348 | CS-GEM-432 | 381,579.7 | 3,856,879.7 | 743.0 | Population (Census) | Exported from HARP database |
| 8349 | CS-GEM-433 | 381,584.2 | 3,857,231.8 | 743.4 | Population (Census) | Exported from HARP database |
| 8350 | CS-GEM-434 | 381,281.9 | 3,857,432.6 | 745.2 | Population (Census) | Exported from HARP database |
| 8351 | CS-GEM-435 | 381,282.5 | 3,857,582.9 | 745.6 | Population (Census) | Exported from HARP database |
| 8352 | CS-GEM-436 | 381,880.9 | 3,856,018.7 | 741.8 | Population (Census) | Exported from HARP database |
| 8353 | CS-GEM-437 | 381,881.7 | 3,856,174.1 | 741.7 | Population (Census) | Exported from HARP database |
| 8354 | CS-GEM-438 | 381,884.3 | 3,856,375.6 | 741.9 | Population (Census) | Exported from HARP database |
| 8355 | CS-GEM-439 | 381,885.9 | 3,856,573.2 | 742.0 | Population (Census) | Exported from HARP database |
| 8356 | CS-GEM-440 | 381,682.3 | 3,856,575.1 | 743.0 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8357 | CS-GEM-441 | 381,480.3 | 3,856,575.8 | 743.9 | Population (Census) | Exported from HARP database |
| 8358 | CS-GEM-442 | 381,276.2 | 3,856,577.6 | 744.7 | Population (Census) | Exported from HARP database |
| 8359 | CS-GEM-443 | 380,863.1 | 3,856,580.7 | 746.8 | Population (Census) | Exported from HARP database |
| 8360 | CS-GEM-444 | 380,445.4 | 3,856,583.5 | 749.0 | Population (Census) | Exported from HARP database |
| 8361 | CS-GEM-445 | 379,932.3 | 3,855,869.8 | 750.2 | Population (Census) | Exported from HARP database |
| 8362 | CS-GEM-446 | 380,754.3 | 3,856,168.2 | 747.5 | Population (Census) | Exported from HARP database |
| 8363 | CS-GEM-447 | 381,275.1 | 3,856,378.9 | 744.9 | Population (Census) | Exported from HARP database |
| 8364 | CS-GEM-448 | 381,478.0 | 3,856,378.0 | 744.2 | Population (Census) | Exported from HARP database |
| 8365 | CS-GEM-449 | 381,680.8 | 3,856,377.6 | 743.2 | Population (Census) | Exported from HARP database |
| 8366 | CS-GEM-450 | 381,676.7 | 3,856,175.3 | 743.0 | Population (Census) | Exported from HARP database |
| 8367 | CS-GEM-451 | 381,475.5 | 3,856,174.6 | 743.8 | Population (Census) | Exported from HARP database |
| 8368 | CS-GEM-452 | 381,274.6 | 3,856,177.3 | 744.7 | Population (Census) | Exported from HARP database |
| 8369 | CS-GEM-453 | 381,275.3 | 3,856,021.3 | 744.3 | Population (Census) | Exported from HARP database |
| 8370 | CS-GEM-454 | 381,474.7 | 3,856,019.3 | 743.5 | Population (Census) | Exported from HARP database |
| 8371 | CS-GEM-455 | 381,676.2 | 3,856,018.8 | 742.7 | Population (Census) | Exported from HARP database |
| 8372 | CS-GEM-456 | 381,675.6 | 3,855,916.6 | 742.7 | Population (Census) | Exported from HARP database |
| 8373 | CS-GEM-457 | 381,880.3 | 3,855,916.8 | 742.0 | Population (Census) | Exported from HARP database |
| 8374 | CS-GEM-458 | 381,880.7 | 3,855,768.0 | 741.9 | Population (Census) | Exported from HARP database |
| 8375 | CS-GEM-459 | 381,674.5 | 3,855,769.2 | 742.7 | Population (Census) | Exported from HARP database |
| 8376 | CS-GEM-460 | 381,473.2 | 3,855,771.1 | 743.5 | Population (Census) | Exported from HARP database |
| 8377 | CS-GEM-461 | 381,473.6 | 3,855,918.9 | 743.5 | Population (Census) | Exported from HARP database |
| 8378 | CS-GEM-462 | 381,273.3 | 3,855,920.4 | 744.2 | Population (Census) | Exported from HARP database |
| 8379 | CS-GEM-463 | 381,274.5 | 3,855,772.7 | 744.3 | Population (Census) | Exported from HARP database |
| 8380 | CS-GEM-464 | 380,751.5 | 3,855,669.3 | 746.6 | Population (Census) | Exported from HARP database |
| 8381 | CS-GEM-465 | 381,485.3 | 3,857,431.4 | 744.3 | Population (Census) | Exported from HARP database |
| 8382 | CS-GEM-466 | 381,674.5 | 3,855,572.5 | 742.8 | Population (Census) | Exported from HARP database |
| 8383 | CS-GEM-467 | 381,879.6 | 3,855,570.2 | 741.9 | Population (Census) | Exported from HARP database |
| 8384 | CS-GEM-468 | 381,576.9 | 3,855,070.2 | 743.4 | Population (Census) | Exported from HARP database |
| 8385 | CS-GEM-469 | 381,274.4 | 3,855,578.3 | 744.4 | Population (Census) | Exported from HARP database |
| 8386 | CS-GEM-470 | 381,472.5 | 3,855,575.1 | 743.6 | Population (Census) | Exported from HARP database |
| 8387 | CS-GEM-471 | 382,390.3 | 3,855,090.8 | 741.1 | Population (Census) | Exported from HARP database |
| 8388 | CS-GEM-472 | 383,201.5 | 3,855,068.8 | 737.9 | Population (Census) | Exported from HARP database |
| 8389 | CS-GEM-473 | 383,494.7 | 3,855,597.5 | 736.2 | Population (Census) | Exported from HARP database |
| 8390 | CS-GEM-474 | 383,156.5 | 3,855,953.0 | 736.9 | Population (Census) | Exported from HARP database |
| 8391 | CS-GEM-475 | 383,750.9 | 3,856,110.6 | 734.8 | Population (Census) | Exported from HARP database |
| 8392 | CS-GEM-476 | 383,906.7 | 3,856,441.9 | 734.0 | Population (Census) | Exported from HARP database |
| 8393 | CS-GEM-477 | 384,073.5 | 3,856,725.6 | 733.1 | Population (Census) | Exported from HARP database |
| 8394 | CS-GEM-478 | 383,961.2 | 3,856,788.4 | 733.5 | Population (Census) | Exported from HARP database |
| 8395 | CS-GEM-479 | 384,812.7 | 3,856,642.9 | 730.3 | Population (Census) | Exported from HARP database |
| 8396 | CS-GEM-480 | 385,619.2 | 3,856,632.8 | 728.0 | Population (Census) | Exported from HARP database |
| 8397 | CS-GEM-481 | 385,823.0 | 3,857,236.2 | 726.8 | Population (Census) | Exported from HARP database |
| 8398 | CS-GEM-482 | 384,764.9 | 3,855,864.0 | 731.5 | Population (Census) | Exported from HARP database |
| 8399 | CS-GEM-483 | 385,107.7 | 3,855,629.2 | 729.8 | Population (Census) | Exported from HARP database |
| 8400 | CS-GEM-484 | 384,162.3 | 3,855,769.7 | 733.5 | Population (Census) | Exported from HARP database |
| 8401 | CS-GEM-485 | 384,047.7 | 3,856,115.1 | 733.8 | Population (Census) | Exported from HARP database |
| 8402 | CS-GEM-486 | 384,322.3 | 3,856,369.4 | 732.5 | Population (Census) | Exported from HARP database |
| 8403 | CS-GEM-487 | 384,378.5 | 3,856,589.7 | 732.0 | Population (Census) | Exported from HARP database |
| 8404 | CS-GEM-488 | 384,281.4 | 3,856,545.8 | 732.4 | Population (Census) | Exported from HARP database |
| 8405 | CS-GEM-489 | 386,418.3 | 3,856,318.5 | 725.1 | Population (Census) | Exported from HARP database |
| 8406 | CS-GEM-490 | 386,726.0 | 3,856,716.8 | 724.3 | Population (Census) | Exported from HARP database |
| 8407 | CS-GEM-491 | 386,992.0 | 3,856,796.8 | 723.9 | Population (Census) | Exported from HARP database |
| 8408 | CS-GEM-492 | 387,021.1 | 3,856,508.2 | 723.3 | Population (Census) | Exported from HARP database |
| 8409 | CS-GEM-493 | 387,019.7 | 3,856,313.6 | 723.1 | Population (Census) | Exported from HARP database |
| 8410 | CS-GEM-494 | 387,322.4 | 3,856,311.0 | 722.5 | Population (Census) | Exported from HARP database |
| 8411 | CS-GEM-495 | 387,527.7 | 3,856,307.1 | 722.0 | Population (Census) | Exported from HARP database |
| 8412 | CS-GEM-496 | 387,223.2 | 3,855,807.7 | 722.8 | Population (Census) | Exported from HARP database |
| 8413 | CS-GEM-497 | 386,417.0 | 3,855,814.1 | 725.2 | Population (Census) | Exported from HARP database |
| 8414 | CS-GEM-498 | 385,917.1 | 3,856,074.0 | 727.0 | Population (Census) | Exported from HARP database |
| 8415 | CS-GEM-499 | 385,614.4 | 3,856,128.5 | 728.1 | Population (Census) | Exported from HARP database |
| 8416 | CS-GEM-500 | 385,314.5 | 3,856,033.7 | 729.3 | Population (Census) | Exported from HARP database |
| 8417 | CS-GEM-501 | 387,012.0 | 3,855,305.6 | 723.9 | Population (Census) | Exported from HARP database |
| 8418 | CS-GEM-502 | 387,312.5 | 3,855,203.4 | 723.4 | Population (Census) | Exported from HARP database |
| 8419 | CS-GEM-503 | 387,518.8 | 3,855,199.1 | 722.3 | Population (Census) | Exported from HARP database |
| 8420 | CS-GEM-504 | 387,721.5 | 3,855,199.4 | 721.2 | Population (Census) | Exported from HARP database |
| 8421 | CS-GEM-505 | 388,030.0 | 3,855,798.0 | 720.7 | Population (Census) | Exported from HARP database |
| 8422 | CS-GEM-506 | 388,237.6 | 3,856,404.3 | 720.3 | Population (Census) | Exported from HARP database |
| 8423 | CS-GEM-507 | 386,493.4 | 3,854,937.1 | 725.9 | Population (Census) | Exported from HARP database |
| 8424 | CS-GEM-508 | 386,205.4 | 3,855,191.0 | 725.8 | Population (Census) | Exported from HARP database |
| 8425 | CS-GEM-509 | 385,811.2 | 3,855,014.9 | 727.4 | Population (Census) | Exported from HARP database |
| 8426 | CS-GEM-510 | 385,610.7 | 3,855,524.2 | 728.2 | Population (Census) | Exported from HARP database |
| 8427 | CS-GEM-511 | 385,361.5 | 3,855,731.4 | 728.7 | Population (Census) | Exported from HARP database |
| 8428 | CS-GEM-512 | 385,613.5 | 3,855,930.0 | 728.2 | Population (Census) | Exported from HARP database |
| 8429 | CS-GEM-513 | 385,405.6 | 3,855,018.8 | 728.8 | Population (Census) | Exported from HARP database |
| 8430 | CS-GEM-514 | 384,797.4 | 3,855,227.2 | 730.0 | Population (Census) | Exported from HARP database |
| 8431 | CS-GEM-515 | 384,298.0 | 3,855,331.7 | 733.3 | Population (Census) | Exported from HARP database |
| 8432 | CS-GEM-516 | 383,998.6 | 3,855,333.2 | 734.3 | Population (Census) | Exported from HARP database |
| 8433 | CS-GEM-517 | 383,736.9 | 3,855,705.5 | 735.2 | Population (Census) | Exported from HARP database |
| 8434 | CS-GEM-518 | 383,698.0 | 3,855,337.4 | 735.6 | Population (Census) | Exported from HARP database |
| 8435 | CS-GEM-519 | 383,695.6 | 3,855,036.6 | 735.2 | Population (Census) | Exported from HARP database |
| 8436 | CS-GEM-520 | 383,896.5 | 3,855,035.0 | 734.3 | Population (Census) | Exported from HARP database |
| 8437 | CS-GEM-521 | 384,198.3 | 3,855,132.1 | 732.7 | Population (Census) | Exported from HARP database |
| 8438 | CS-GEM-522 | 384,195.5 | 3,854,931.7 | 733.6 | Population (Census) | Exported from HARP database |
| 8439 | CS-GEM-523 | 384,683.1 | 3,854,845.8 | 731.7 | Population (Census) | Exported from HARP database |
| 8440 | CS-GEM-524 | 385,046.4 | 3,854,771.4 | 730.1 | Population (Census) | Exported from HARP database |
| 8441 | CS-GEM-525 | 383,794.3 | 3,854,737.3 | 735.1 | Population (Census) | Exported from HARP database |
| 8442 | CS-GEM-526 | 384,195.1 | 3,854,729.9 | 733.2 | Population (Census) | Exported from HARP database |
| 8443 | CS-GEM-527 | 384,195.1 | 3,854,530.0 | 733.1 | Population (Census) | Exported from HARP database |
| 8444 | CS-GEM-528 | 384,594.0 | 3,854,522.8 | 732.0 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8445 | CS-GEM-529 | 384,998.5 | 3,854,518.4 | 730.6 | Population (Census) | Exported from HARP database |
| 8446 | CS-GEM-530 | 385,401.6 | 3,854,517.9 | 729.4 | Population (Census) | Exported from HARP database |
| 8447 | CS-GEM-531 | 385,809.1 | 3,854,512.6 | 728.4 | Population (Census) | Exported from HARP database |
| 8448 | CS-GEM-532 | 386,209.2 | 3,854,200.3 | 727.6 | Population (Census) | Exported from HARP database |
| 8449 | CS-GEM-533 | 386,611.0 | 3,854,417.6 | 726.0 | Population (Census) | Exported from HARP database |
| 8450 | CS-GEM-534 | 387,216.7 | 3,854,396.5 | 723.7 | Population (Census) | Exported from HARP database |
| 8451 | CS-GEM-535 | 387,718.2 | 3,854,799.2 | 722.6 | Population (Census) | Exported from HARP database |
| 8452 | CS-GEM-536 | 387,916.2 | 3,854,796.8 | 721.8 | Population (Census) | Exported from HARP database |
| 8453 | CS-GEM-537 | 387,917.9 | 3,855,195.8 | 720.8 | Population (Census) | Exported from HARP database |
| 8454 | CS-GEM-538 | 388,219.9 | 3,855,191.1 | 720.6 | Population (Census) | Exported from HARP database |
| 8455 | CS-GEM-539 | 388,218.9 | 3,854,791.9 | 720.8 | Population (Census) | Exported from HARP database |
| 8456 | CS-GEM-540 | 388,218.2 | 3,854,185.8 | 721.5 | Population (Census) | Exported from HARP database |
| 8457 | CS-GEM-541 | 387,913.8 | 3,854,189.5 | 722.3 | Population (Census) | Exported from HARP database |
| 8458 | CS-GEM-542 | 387,719.5 | 3,854,190.4 | 722.9 | Population (Census) | Exported from HARP database |
| 8459 | CS-GEM-543 | 387,015.1 | 3,855,107.2 | 723.8 | Population (Census) | Exported from HARP database |
| 8460 | CS-GEM-544 | 385,797.0 | 3,853,909.1 | 729.3 | Population (Census) | Exported from HARP database |
| 8461 | CS-GEM-545 | 385,803.1 | 3,854,111.3 | 729.3 | Population (Census) | Exported from HARP database |
| 8462 | CS-GEM-546 | 385,804.6 | 3,854,312.4 | 728.8 | Population (Census) | Exported from HARP database |
| 8463 | CS-GEM-547 | 385,400.3 | 3,854,318.3 | 729.9 | Population (Census) | Exported from HARP database |
| 8464 | CS-GEM-548 | 384,997.7 | 3,854,322.0 | 730.9 | Population (Census) | Exported from HARP database |
| 8465 | CS-GEM-549 | 384,597.3 | 3,854,326.1 | 732.0 | Population (Census) | Exported from HARP database |
| 8466 | CS-GEM-550 | 384,195.1 | 3,854,331.9 | 733.5 | Population (Census) | Exported from HARP database |
| 8467 | CS-GEM-551 | 383,792.3 | 3,854,335.5 | 735.0 | Population (Census) | Exported from HARP database |
| 8468 | CS-GEM-552 | 383,793.7 | 3,854,537.6 | 735.1 | Population (Census) | Exported from HARP database |
| 8469 | CS-GEM-553 | 383,190.4 | 3,854,239.9 | 737.1 | Population (Census) | Exported from HARP database |
| 8470 | CS-GEM-554 | 382,386.7 | 3,854,285.2 | 740.1 | Population (Census) | Exported from HARP database |
| 8471 | CS-GEM-555 | 381,707.6 | 3,854,259.5 | 743.3 | Population (Census) | Exported from HARP database |
| 8472 | CS-GEM-556 | 381,306.5 | 3,854,466.0 | 744.3 | Population (Census) | Exported from HARP database |
| 8473 | CS-GEM-557 | 380,957.2 | 3,854,572.5 | 745.6 | Population (Census) | Exported from HARP database |
| 8474 | CS-GEM-558 | 380,749.3 | 3,855,080.1 | 746.0 | Population (Census) | Exported from HARP database |
| 8475 | CS-GEM-559 | 379,921.3 | 3,854,675.0 | 750.7 | Population (Census) | Exported from HARP database |
| 8476 | CS-GEM-560 | 379,144.8 | 3,854,731.9 | 754.7 | Population (Census) | Exported from HARP database |
| 8477 | CS-GEM-561 | 379,124.9 | 3,855,876.3 | 754.3 | Population (Census) | Exported from HARP database |
| 8478 | CS-GEM-562 | 378,427.0 | 3,855,818.6 | 758.1 | Population (Census) | Exported from HARP database |
| 8479 | CS-GEM-563 | 378,606.6 | 3,856,468.1 | 760.6 | Population (Census) | Exported from HARP database |
| 8480 | CS-GEM-564 | 378,103.3 | 3,856,078.1 | 760.7 | Population (Census) | Exported from HARP database |
| 8481 | CS-GEM-565 | 377,956.9 | 3,856,308.4 | 764.3 | Population (Census) | Exported from HARP database |
| 8482 | CS-GEM-566 | 377,814.3 | 3,856,377.4 | 765.8 | Population (Census) | Exported from HARP database |
| 8483 | CS-GEM-567 | 377,720.2 | 3,856,575.6 | 766.0 | Population (Census) | Exported from HARP database |
| 8484 | CS-GEM-568 | 377,721.5 | 3,856,778.5 | 767.1 | Population (Census) | Exported from HARP database |
| 8485 | CS-GEM-569 | 377,723.6 | 3,856,981.3 | 767.8 | Population (Census) | Exported from HARP database |
| 8486 | CS-GEM-570 | 377,613.2 | 3,856,377.1 | 767.4 | Population (Census) | Exported from HARP database |
| 8487 | CS-GEM-571 | 377,321.6 | 3,856,374.2 | 768.8 | Population (Census) | Exported from HARP database |
| 8488 | CS-GEM-572 | 377,517.1 | 3,855,873.2 | 764.5 | Population (Census) | Exported from HARP database |
| 8489 | CS-GEM-573 | 377,979.6 | 3,855,701.3 | 761.6 | Population (Census) | Exported from HARP database |
| 8490 | CS-GEM-574 | 377,932.4 | 3,855,470.3 | 761.3 | Population (Census) | Exported from HARP database |
| 8491 | CS-GEM-575 | 377,433.6 | 3,855,101.4 | 765.0 | Population (Census) | Exported from HARP database |
| 8492 | CS-GEM-576 | 377,781.4 | 3,854,912.5 | 762.2 | Population (Census) | Exported from HARP database |
| 8493 | CS-GEM-577 | 378,314.5 | 3,855,065.4 | 759.0 | Population (Census) | Exported from HARP database |
| 8494 | CS-GEM-578 | 378,304.2 | 3,854,442.6 | 759.5 | Population (Census) | Exported from HARP database |
| 8495 | CS-GEM-579 | 377,601.3 | 3,854,202.4 | 763.7 | Population (Census) | Exported from HARP database |
| 8496 | CS-GEM-580 | 377,240.1 | 3,854,358.0 | 765.3 | Population (Census) | Exported from HARP database |
| 8497 | CS-GEM-581 | 380,418.6 | 3,854,323.4 | 748.9 | Population (Census) | Exported from HARP database |
| 8498 | CS-GEM-582 | 380,529.1 | 3,854,578.5 | 747.9 | Population (Census) | Exported from HARP database |
| 8499 | CS-GEM-583 | 380,627.0 | 3,854,321.2 | 747.8 | Population (Census) | Exported from HARP database |
| 8500 | CS-GEM-584 | 380,955.9 | 3,854,368.1 | 746.2 | Population (Census) | Exported from HARP database |
| 8501 | CS-GEM-585 | 380,954.9 | 3,854,166.7 | 746.8 | Population (Census) | Exported from HARP database |
| 8502 | CS-GEM-586 | 381,302.8 | 3,854,061.4 | 745.3 | Population (Census) | Exported from HARP database |
| 8503 | CS-GEM-587 | 380,952.8 | 3,853,965.2 | 746.9 | Population (Census) | Exported from HARP database |
| 8504 | CS-GEM-588 | 380,549.3 | 3,854,016.5 | 749.1 | Population (Census) | Exported from HARP database |
| 8505 | CS-GEM-589 | 383,793.5 | 3,853,931.9 | 735.5 | Population (Census) | Exported from HARP database |
| 8506 | CS-GEM-590 | 383,790.6 | 3,854,135.0 | 735.1 | Population (Census) | Exported from HARP database |
| 8507 | CS-GEM-591 | 384,194.3 | 3,854,130.1 | 733.7 | Population (Census) | Exported from HARP database |
| 8508 | CS-GEM-592 | 384,596.3 | 3,854,124.9 | 732.8 | Population (Census) | Exported from HARP database |
| 8509 | CS-GEM-593 | 384,994.8 | 3,854,120.5 | 731.5 | Population (Census) | Exported from HARP database |
| 8510 | CS-GEM-594 | 385,396.5 | 3,854,117.2 | 730.4 | Population (Census) | Exported from HARP database |
| 8511 | CS-GEM-595 | 385,397.9 | 3,853,912.4 | 730.7 | Population (Census) | Exported from HARP database |
| 8512 | CS-GEM-596 | 384,997.7 | 3,853,917.4 | 732.1 | Population (Census) | Exported from HARP database |
| 8513 | CS-GEM-597 | 384,596.0 | 3,853,922.0 | 733.4 | Population (Census) | Exported from HARP database |
| 8514 | CS-GEM-598 | 384,194.0 | 3,853,926.1 | 734.6 | Population (Census) | Exported from HARP database |
| 8515 | CS-GEM-599 | 378,887.0 | 3,854,042.7 | 757.3 | Population (Census) | Exported from HARP database |
| 8516 | CS-GEM-600 | 386,609.6 | 3,854,019.1 | 726.2 | Population (Census) | Exported from HARP database |
| 8517 | CS-GEM-601 | 386,122.9 | 3,856,574.4 | 726.2 | Population (Census) | Exported from HARP database |
| 8518 | CS-GEM-602 | 386,125.2 | 3,856,876.4 | 726.1 | Population (Census) | Exported from HARP database |
| 8519 | CS-GEM-603 | 386,324.6 | 3,856,873.1 | 725.5 | Population (Census) | Exported from HARP database |
| 8520 | CS-GEM-604 | 386,373.3 | 3,857,220.6 | 725.2 | Population (Census) | Exported from HARP database |
| 8521 | CS-GEM-605 | 386,324.0 | 3,856,572.1 | 725.3 | Population (Census) | Exported from HARP database |
| 8522 | CS-GEM-606 | 386,526.8 | 3,856,719.4 | 724.7 | Population (Census) | Exported from HARP database |
| 8523 | CS-GEM-607 | 383,084.7 | 3,855,603.5 | 737.9 | Population (Census) | Exported from HARP database |
| 8524 | CS-GEM-608 | 383,290.0 | 3,855,600.6 | 737.1 | Population (Census) | Exported from HARP database |
| 8525 | CS-GEM-609 | 385,661.7 | 3,855,727.9 | 728.0 | Population (Census) | Exported from HARP database |
| 8526 | CS-GEM-610 | 385,914.5 | 3,855,775.1 | 726.9 | Population (Census) | Exported from HARP database |
| 8527 | CS-GEM-611 | 387,392.9 | 3,858,308.6 | 727.8 | Population (Census) | Exported from HARP database |
| 8528 | CS-GEM-612 | 383,763.4 | 3,856,789.5 | 734.0 | Population (Census) | Exported from HARP database |
| 8529 | CS-GEM-613 | 385,138.9 | 3,859,133.4 | 735.6 | Population (Census) | Exported from HARP database |
| 8530 | CS-GEM-614 | 384,918.0 | 3,859,109.6 | 734.6 | Population (Census) | Exported from HARP database |
| 8531 | CS-GEM-615 | 384,643.5 | 3,859,197.7 | 734.5 | Population (Census) | Exported from HARP database |
| 8532 | CS-GEM-616 | 384,517.5 | 3,859,156.6 | 733.8 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8533 | CS-GEM-617 | 384,314.0 | 3,859,153.9 | 734.1 | Population (Census) | Exported from HARP database |
| 8534 | CS-GEM-618 | 384,111.7 | 3,859,154.1 | 736.9 | Population (Census) | Exported from HARP database |
| 8535 | CS-GEM-619 | 383,908.5 | 3,859,158.4 | 740.1 | Population (Census) | Exported from HARP database |
| 8536 | CS-GEM-620 | 383,702.1 | 3,859,160.0 | 743.0 | Population (Census) | Exported from HARP database |
| 8537 | CS-GEM-621 | 383,702.5 | 3,858,857.1 | 743.3 | Population (Census) | Exported from HARP database |
| 8538 | CS-GEM-622 | 383,909.1 | 3,858,856.2 | 739.9 | Population (Census) | Exported from HARP database |
| 8539 | CS-GEM-623 | 384,112.6 | 3,858,953.4 | 737.1 | Population (Census) | Exported from HARP database |
| 8540 | CS-GEM-624 | 384,313.8 | 3,858,951.6 | 734.9 | Population (Census) | Exported from HARP database |
| 8541 | CS-GEM-625 | 384,503.7 | 3,858,906.5 | 733.2 | Population (Census) | Exported from HARP database |
| 8542 | CS-GEM-626 | 384,719.0 | 3,858,954.4 | 733.0 | Population (Census) | Exported from HARP database |
| 8543 | CS-GEM-627 | 384,922.1 | 3,858,953.5 | 733.2 | Population (Census) | Exported from HARP database |
| 8544 | CS-GEM-628 | 385,122.8 | 3,858,952.5 | 733.7 | Population (Census) | Exported from HARP database |
| 8545 | CS-GEM-629 | 384,923.5 | 3,858,751.8 | 732.0 | Population (Census) | Exported from HARP database |
| 8546 | CS-GEM-630 | 384,655.3 | 3,858,740.9 | 732.7 | Population (Census) | Exported from HARP database |
| 8547 | CS-GEM-631 | 384,311.6 | 3,858,750.3 | 735.3 | Population (Census) | Exported from HARP database |
| 8548 | CS-GEM-632 | 384,110.6 | 3,858,753.3 | 738.0 | Population (Census) | Exported from HARP database |
| 8549 | CS-GEM-633 | 388,340.7 | 3,857,706.8 | 723.9 | Population (Census) | Exported from HARP database |
| 8550 | CS-GEM-634 | 383,404.8 | 3,858,455.5 | 741.2 | Population (Census) | Exported from HARP database |
| 8551 | CS-GEM-635 | 386,936.9 | 3,857,463.9 | 724.5 | Population (Census) | Exported from HARP database |
| 8552 | CS-GEM-636 | 386,957.7 | 3,857,266.0 | 724.2 | Population (Census) | Exported from HARP database |
| 8553 | CS-GEM-637 | 380,450.0 | 3,857,793.7 | 750.0 | Population (Census) | Exported from HARP database |
| 8554 | CS-GEM-638 | 380,763.5 | 3,857,791.7 | 748.6 | Population (Census) | Exported from HARP database |
| 8555 | CS-GEM-639 | 380,500.1 | 3,857,594.3 | 749.2 | Population (Census) | Exported from HARP database |
| 8556 | CS-GEM-640 | 380,813.4 | 3,857,592.6 | 747.8 | Population (Census) | Exported from HARP database |
| 8557 | CS-GEM-641 | 380,759.8 | 3,857,385.2 | 747.7 | Population (Census) | Exported from HARP database |
| 8558 | CS-GEM-642 | 380,445.0 | 3,857,285.2 | 749.5 | Population (Census) | Exported from HARP database |
| 8559 | CS-GEM-643 | 380,652.5 | 3,857,184.7 | 748.5 | Population (Census) | Exported from HARP database |
| 8560 | CS-GEM-644 | 375,868.1 | 3,856,393.6 | 777.0 | Population (Census) | Exported from HARP database |
| 8561 | CS-GEM-645 | 376,111.4 | 3,855,768.7 | 773.0 | Population (Census) | Exported from HARP database |
| 8562 | CS-GEM-646 | 381,962.4 | 3,858,941.1 | 756.1 | Population (Census) | Exported from HARP database |
| 8563 | CS-GEM-647 | 381,964.7 | 3,859,143.0 | 756.5 | Population (Census) | Exported from HARP database |
| 8564 | CS-GEM-648 | 381,965.5 | 3,859,387.6 | 758.0 | Population (Census) | Exported from HARP database |
| 8565 | CS-GEM-649 | 381,764.0 | 3,859,386.5 | 761.7 | Population (Census) | Exported from HARP database |
| 8566 | CS-GEM-650 | 381,762.4 | 3,859,141.6 | 759.0 | Population (Census) | Exported from HARP database |
| 8567 | CS-GEM-651 | 381,759.3 | 3,858,940.7 | 755.2 | Population (Census) | Exported from HARP database |
| 8568 | CS-GEM-652 | 381,786.9 | 3,858,837.3 | 751.2 | Population (Census) | Exported from HARP database |
| 8569 | CS-GEM-653 | 382,201.7 | 3,859,586.5 | 759.4 | Population (Census) | Exported from HARP database |
| 8570 | CS-GEM-654 | 380,934.8 | 3,861,423.4 | 795.6 | Population (Census) | Exported from HARP database |
| 8571 | CS-GEM-655 | 381,585.7 | 3,861,392.7 | 797.9 | Population (Census) | Exported from HARP database |
| 8572 | CS-GEM-656 | 381,637.2 | 3,861,608.7 | 798.1 | Population (Census) | Exported from HARP database |
| 8573 | CS-GEM-657 | 380,457.3 | 3,860,185.3 | 767.1 | Population (Census) | Exported from HARP database |
| 8574 | CS-GEM-658 | 385,911.0 | 3,860,909.4 | 758.3 | Population (Census) | Exported from HARP database |
| 8575 | CS-GEM-659 | 381,573.8 | 3,861,203.1 | 796.6 | Population (Census) | Exported from HARP database |
| 8576 | CS-GEM-660 | 378,620.4 | 3,861,811.9 | 818.3 | Population (Census) | Exported from HARP database |
| 8577 | CS-GEM-661 | 378,813.2 | 3,861,980.7 | 818.0 | Population (Census) | Exported from HARP database |
| 8578 | CS-GEM-662 | 378,689.0 | 3,862,341.2 | 827.1 | Population (Census) | Exported from HARP database |
| 8579 | CS-GEM-663 | 373,189.8 | 3,858,506.1 | 808.2 | Population (Census) | Exported from HARP database |
| 8580 | CS-GEM-664 | 372,997.3 | 3,858,500.1 | 810.3 | Population (Census) | Exported from HARP database |
| 8581 | CS-GEM-665 | 373,870.7 | 3,861,315.4 | 845.6 | Population (Census) | Exported from HARP database |
| 8582 | CS-GEM-666 | 373,675.1 | 3,861,315.7 | 848.2 | Population (Census) | Exported from HARP database |
| 8583 | CS-GEM-667 | 373,477.1 | 3,861,316.6 | 850.1 | Population (Census) | Exported from HARP database |
| 8584 | CS-GEM-668 | 373,553.6 | 3,860,812.8 | 837.3 | Population (Census) | Exported from HARP database |
| 8585 | CS-GEM-669 | 375,263.1 | 3,861,725.3 | 843.0 | Population (Census) | Exported from HARP database |
| 8586 | CS-GEM-670 | 375,477.2 | 3,861,724.5 | 839.4 | Population (Census) | Exported from HARP database |
| 8587 | CS-GEM-671 | 377,840.8 | 3,862,474.8 | 837.0 | Population (Census) | Exported from HARP database |
| 8588 | CS-GEM-672 | 375,063.0 | 3,861,725.6 | 844.6 | Population (Census) | Exported from HARP database |
| 8589 | CS-GEM-673 | 378,560.5 | 3,860,562.7 | 782.4 | Population (Census) | Exported from HARP database |
| 8590 | CS-GEM-674 | 390,318.6 | 3,866,834.3 | 825.4 | Population (Census) | Exported from HARP database |
| 8591 | CS-GEM-675 | 389,690.5 | 3,867,855.5 | 836.2 | Population (Census) | Exported from HARP database |
| 8592 | CS-GEM-676 | 388,989.8 | 3,868,169.4 | 848.8 | Population (Census) | Exported from HARP database |
| 8593 | CS-GEM-677 | 388,478.6 | 3,868,057.2 | 854.0 | Population (Census) | Exported from HARP database |
| 8594 | CS-GEM-678 | 388,100.4 | 3,868,137.3 | 859.3 | Population (Census) | Exported from HARP database |
| 8595 | CS-GEM-679 | 387,628.2 | 3,867,885.1 | 859.9 | Population (Census) | Exported from HARP database |
| 8596 | CS-GEM-680 | 387,191.4 | 3,868,198.3 | 868.9 | Population (Census) | Exported from HARP database |
| 8597 | CS-GEM-681 | 386,996.5 | 3,868,203.3 | 871.6 | Population (Census) | Exported from HARP database |
| 8598 | CS-GEM-682 | 386,492.3 | 3,867,905.5 | 869.0 | Population (Census) | Exported from HARP database |
| 8599 | CS-GEM-683 | 385,984.0 | 3,868,116.0 | 872.9 | Population (Census) | Exported from HARP database |
| 8600 | CS-GEM-684 | 385,782.5 | 3,868,120.7 | 873.4 | Population (Census) | Exported from HARP database |
| 8601 | CS-GEM-685 | 385,581.5 | 3,868,122.7 | 873.5 | Population (Census) | Exported from HARP database |
| 8602 | CS-GEM-686 | 385,382.2 | 3,868,126.1 | 872.8 | Population (Census) | Exported from HARP database |
| 8603 | CS-GEM-687 | 385,074.8 | 3,867,853.4 | 868.4 | Population (Census) | Exported from HARP database |
| 8604 | CS-GEM-688 | 384,864.7 | 3,867,901.3 | 867.9 | Population (Census) | Exported from HARP database |
| 8605 | CS-GEM-689 | 384,698.8 | 3,868,038.0 | 870.2 | Population (Census) | Exported from HARP database |
| 8606 | CS-GEM-690 | 384,381.1 | 3,868,168.4 | 870.5 | Population (Census) | Exported from HARP database |
| 8607 | CS-GEM-691 | 384,243.0 | 3,867,873.6 | 865.0 | Population (Census) | Exported from HARP database |
| 8608 | CS-GEM-692 | 383,878.5 | 3,867,882.4 | 862.9 | Population (Census) | Exported from HARP database |
| 8609 | CS-GEM-693 | 383,628.7 | 3,868,076.0 | 863.0 | Population (Census) | Exported from HARP database |
| 8610 | CS-GEM-694 | 383,540.2 | 3,868,045.6 | 871.8 | Population (Census) | Exported from HARP database |
| 8611 | CS-GEM-695 | 383,436.0 | 3,867,938.0 | 867.0 | Population (Census) | Exported from HARP database |
| 8612 | CS-GEM-696 | 383,050.1 | 3,867,966.3 | 869.4 | Population (Census) | Exported from HARP database |
| 8613 | CS-GEM-697 | 382,744.2 | 3,868,064.4 | 875.3 | Population (Census) | Exported from HARP database |
| 8614 | CS-GEM-698 | 382,554.0 | 3,867,957.5 | 892.0 | Population (Census) | Exported from HARP database |
| 8615 | CS-GEM-699 | 382,193.2 | 3,868,249.2 | 885.0 | Population (Census) | Exported from HARP database |
| 8616 | CS-GEM-700 | 381,843.5 | 3,867,963.9 | 880.8 | Population (Census) | Exported from HARP database |
| 8617 | CS-GEM-701 | 381,731.0 | 3,868,494.2 | 891.0 | Population (Census) | Exported from HARP database |
| 8618 | CS-GEM-702 | 381,567.7 | 3,869,226.3 | 905.5 | Population (Census) | Exported from HARP database |
| 8619 | CS-GEM-703 | 381,090.1 | 3,870,115.4 | 931.4 | Population (Census) | Exported from HARP database |
| 8620 | CS-GEM-704 | 380,592.6 | 3,870,204.2 | 938.5 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8621 | CS-GEM-705 | 380,639.5 | 3,870,401.5 | 941.7 | Population (Census) | Exported from HARP database |
| 8622 | CS-GEM-706 | 380,577.4 | 3,870,875.1 | 955.6 | Population (Census) | Exported from HARP database |
| 8623 | CS-GEM-707 | 380,454.8 | 3,870,906.3 | 958.7 | Population (Census) | Exported from HARP database |
| 8624 | CS-GEM-708 | 380,179.9 | 3,870,681.7 | 958.4 | Population (Census) | Exported from HARP database |
| 8625 | CS-GEM-709 | 379,920.4 | 3,870,421.5 | 959.0 | Population (Census) | Exported from HARP database |
| 8626 | CS-GEM-710 | 379,931.6 | 3,870,441.4 | 959.0 | Population (Census) | Exported from HARP database |
| 8627 | CS-GEM-711 | 379,788.9 | 3,870,288.9 | 957.9 | Population (Census) | Exported from HARP database |
| 8628 | CS-GEM-712 | 379,806.3 | 3,870,129.1 | 954.3 | Population (Census) | Exported from HARP database |
| 8629 | CS-GEM-713 | 379,929.6 | 3,870,345.4 | 956.4 | Population (Census) | Exported from HARP database |
| 8630 | CS-GEM-714 | 380,240.4 | 3,870,503.6 | 953.1 | Population (Census) | Exported from HARP database |
| 8631 | CS-GEM-715 | 380,228.1 | 3,870,144.1 | 945.2 | Population (Census) | Exported from HARP database |
| 8632 | CS-GEM-716 | 379,954.0 | 3,870,143.6 | 950.3 | Population (Census) | Exported from HARP database |
| 8633 | CS-GEM-717 | 381,869.8 | 3,868,693.4 | 895.1 | Population (Census) | Exported from HARP database |
| 8634 | CS-GEM-718 | 380,260.7 | 3,869,791.1 | 935.6 | Population (Census) | Exported from HARP database |
| 8635 | CS-GEM-719 | 380,151.3 | 3,869,660.3 | 935.3 | Population (Census) | Exported from HARP database |
| 8636 | CS-GEM-720 | 380,144.0 | 3,869,750.2 | 937.0 | Population (Census) | Exported from HARP database |
| 8637 | CS-GEM-721 | 380,014.1 | 3,869,904.0 | 944.2 | Population (Census) | Exported from HARP database |
| 8638 | CS-GEM-722 | 379,611.5 | 3,869,529.9 | 947.2 | Population (Census) | Exported from HARP database |
| 8639 | CS-GEM-723 | 380,036.1 | 3,869,753.5 | 940.4 | Population (Census) | Exported from HARP database |
| 8640 | CS-GEM-724 | 379,985.9 | 3,869,262.3 | 931.2 | Population (Census) | Exported from HARP database |
| 8641 | CS-GEM-725 | 380,047.2 | 3,869,661.3 | 938.8 | Population (Census) | Exported from HARP database |
| 8642 | CS-GEM-726 | 380,113.4 | 3,869,502.5 | 933.3 | Population (Census) | Exported from HARP database |
| 8643 | CS-GEM-727 | 380,103.8 | 3,869,650.6 | 936.7 | Population (Census) | Exported from HARP database |
| 8644 | CS-GEM-728 | 380,096.7 | 3,869,746.0 | 938.4 | Population (Census) | Exported from HARP database |
| 8645 | CS-GEM-729 | 380,024.1 | 3,869,347.5 | 931.9 | Population (Census) | Exported from HARP database |
| 8646 | CS-GEM-730 | 380,098.8 | 3,869,316.6 | 929.2 | Population (Census) | Exported from HARP database |
| 8647 | CS-GEM-731 | 380,152.7 | 3,869,341.7 | 928.3 | Population (Census) | Exported from HARP database |
| 8648 | CS-GEM-732 | 380,167.6 | 3,869,407.1 | 929.9 | Population (Census) | Exported from HARP database |
| 8649 | CS-GEM-733 | 380,330.5 | 3,869,494.6 | 927.1 | Population (Census) | Exported from HARP database |
| 8650 | CS-GEM-734 | 380,663.2 | 3,869,129.0 | 912.0 | Population (Census) | Exported from HARP database |
| 8651 | CS-GEM-735 | 380,531.5 | 3,869,898.3 | 932.6 | Population (Census) | Exported from HARP database |
| 8652 | CS-GEM-736 | 381,070.8 | 3,869,256.3 | 912.1 | Population (Census) | Exported from HARP database |
| 8653 | CS-GEM-737 | 381,126.2 | 3,868,443.6 | 894.1 | Population (Census) | Exported from HARP database |
| 8654 | CS-GEM-738 | 381,370.9 | 3,868,496.0 | 894.5 | Population (Census) | Exported from HARP database |
| 8655 | CS-GEM-739 | 381,440.3 | 3,868,172.5 | 887.1 | Population (Census) | Exported from HARP database |
| 8656 | CS-GEM-740 | 381,046.5 | 3,868,177.2 | 889.3 | Population (Census) | Exported from HARP database |
| 8657 | CS-GEM-741 | 380,632.9 | 3,868,190.6 | 896.9 | Population (Census) | Exported from HARP database |
| 8658 | CS-GEM-742 | 380,395.0 | 3,868,311.4 | 903.8 | Population (Census) | Exported from HARP database |
| 8659 | CS-GEM-743 | 380,294.9 | 3,868,807.8 | 914.4 | Population (Census) | Exported from HARP database |
| 8660 | CS-GEM-744 | 380,357.4 | 3,868,948.8 | 916.1 | Population (Census) | Exported from HARP database |
| 8661 | CS-GEM-745 | 380,200.8 | 3,869,250.8 | 925.3 | Population (Census) | Exported from HARP database |
| 8662 | CS-GEM-746 | 380,313.4 | 3,869,300.5 | 924.0 | Population (Census) | Exported from HARP database |
| 8663 | CS-GEM-747 | 380,670.5 | 3,867,793.7 | 890.7 | Population (Census) | Exported from HARP database |
| 8664 | CS-GEM-748 | 381,040.5 | 3,867,770.8 | 884.0 | Population (Census) | Exported from HARP database |
| 8665 | CS-GEM-749 | 381,246.0 | 3,867,999.8 | 884.5 | Population (Census) | Exported from HARP database |
| 8666 | CS-GEM-750 | 380,160.5 | 3,869,252.6 | 926.2 | Population (Census) | Exported from HARP database |
| 8667 | CS-GEM-751 | 380,106.8 | 3,869,242.8 | 927.3 | Population (Census) | Exported from HARP database |
| 8668 | CS-GEM-752 | 380,029.5 | 3,869,236.8 | 929.4 | Population (Census) | Exported from HARP database |
| 8669 | CS-GEM-753 | 380,059.7 | 3,869,300.8 | 929.9 | Population (Census) | Exported from HARP database |
| 8670 | CS-GEM-754 | 380,357.1 | 3,868,169.4 | 902.6 | Population (Census) | Exported from HARP database |
| 8671 | CS-GEM-755 | 379,965.7 | 3,868,729.9 | 920.1 | Population (Census) | Exported from HARP database |
| 8672 | CS-GEM-756 | 379,719.0 | 3,869,077.0 | 932.3 | Population (Census) | Exported from HARP database |
| 8673 | CS-GEM-757 | 379,170.8 | 3,868,820.9 | 944.5 | Population (Census) | Exported from HARP database |
| 8674 | CS-GEM-758 | 380,269.4 | 3,868,180.3 | 904.0 | Population (Census) | Exported from HARP database |
| 8675 | CS-GEM-759 | 379,989.8 | 3,868,350.4 | 912.9 | Population (Census) | Exported from HARP database |
| 8676 | CS-GEM-760 | 379,710.3 | 3,868,365.7 | 921.6 | Population (Census) | Exported from HARP database |
| 8677 | CS-GEM-761 | 380,257.3 | 3,867,882.4 | 900.4 | Population (Census) | Exported from HARP database |
| 8678 | CS-GEM-762 | 380,356.0 | 3,867,880.6 | 897.5 | Population (Census) | Exported from HARP database |
| 8679 | CS-GEM-763 | 380,466.7 | 3,867,743.1 | 893.4 | Population (Census) | Exported from HARP database |
| 8680 | CS-GEM-764 | 380,424.7 | 3,868,056.8 | 899.3 | Population (Census) | Exported from HARP database |
| 8681 | CS-GEM-765 | 379,701.3 | 3,868,263.4 | 920.3 | Population (Census) | Exported from HARP database |
| 8682 | CS-GEM-766 | 379,500.6 | 3,868,188.2 | 924.5 | Population (Census) | Exported from HARP database |
| 8683 | CS-GEM-767 | 379,460.8 | 3,868,536.1 | 931.6 | Population (Census) | Exported from HARP database |
| 8684 | CS-GEM-768 | 379,704.3 | 3,868,086.1 | 917.6 | Population (Census) | Exported from HARP database |
| 8685 | CS-GEM-769 | 379,906.7 | 3,868,086.6 | 912.9 | Population (Census) | Exported from HARP database |
| 8686 | CS-GEM-770 | 379,900.6 | 3,868,247.8 | 914.0 | Population (Census) | Exported from HARP database |
| 8687 | CS-GEM-771 | 380,116.9 | 3,868,256.8 | 908.5 | Population (Census) | Exported from HARP database |
| 8688 | CS-GEM-772 | 380,110.2 | 3,868,085.1 | 907.4 | Population (Census) | Exported from HARP database |
| 8689 | CS-GEM-773 | 380,109.9 | 3,867,883.6 | 904.1 | Population (Census) | Exported from HARP database |
| 8690 | CS-GEM-774 | 379,908.0 | 3,867,885.3 | 909.3 | Population (Census) | Exported from HARP database |
| 8691 | CS-GEM-775 | 379,704.3 | 3,867,885.8 | 914.2 | Population (Census) | Exported from HARP database |
| 8692 | CS-GEM-776 | 379,500.2 | 3,867,886.9 | 919.4 | Population (Census) | Exported from HARP database |
| 8693 | CS-GEM-777 | 379,298.7 | 3,867,887.3 | 923.8 | Population (Census) | Exported from HARP database |
| 8694 | CS-GEM-778 | 379,299.4 | 3,868,089.4 | 928.5 | Population (Census) | Exported from HARP database |
| 8695 | CS-GEM-779 | 379,301.8 | 3,868,288.5 | 932.0 | Population (Census) | Exported from HARP database |
| 8696 | CS-GEM-780 | 379,099.1 | 3,868,292.8 | 937.7 | Population (Census) | Exported from HARP database |
| 8697 | CS-GEM-781 | 378,889.6 | 3,868,292.2 | 943.2 | Population (Census) | Exported from HARP database |
| 8698 | CS-GEM-782 | 378,889.2 | 3,868,091.5 | 939.0 | Population (Census) | Exported from HARP database |
| 8699 | CS-GEM-783 | 379,096.8 | 3,868,090.3 | 933.2 | Population (Census) | Exported from HARP database |
| 8700 | CS-GEM-784 | 379,096.1 | 3,867,888.7 | 929.6 | Population (Census) | Exported from HARP database |
| 8701 | CS-GEM-785 | 378,888.4 | 3,867,889.6 | 935.0 | Population (Census) | Exported from HARP database |
| 8702 | CS-GEM-786 | 378,116.2 | 3,866,568.5 | 929.4 | Population (Census) | Exported from HARP database |
| 8703 | CS-GEM-787 | 377,669.6 | 3,867,357.5 | 955.5 | Population (Census) | Exported from HARP database |
| 8704 | CS-GEM-788 | 377,318.3 | 3,865,528.2 | 915.7 | Population (Census) | Exported from HARP database |
| 8705 | CS-GEM-789 | 378,664.0 | 3,868,490.6 | 954.2 | Population (Census) | Exported from HARP database |
| 8706 | CS-GEM-790 | 377,550.1 | 3,865,188.2 | 903.0 | Population (Census) | Exported from HARP database |
| 8707 | CS-GEM-791 | 376,769.9 | 3,865,892.1 | 930.6 | Population (Census) | Exported from HARP database |
| 8708 | CS-GEM-792 | 376,536.4 | 3,866,495.9 | 956.2 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8709 | CS-GEM-793 | 376,980.2 | 3,866,695.9 | 957.9 | Population (Census) | Exported from HARP database |
| 8710 | CS-GEM-794 | 376,101.2 | 3,866,207.5 | 949.4 | Population (Census) | Exported from HARP database |
| 8711 | CS-GEM-795 | 375,674.8 | 3,866,028.6 | 955.8 | Population (Census) | Exported from HARP database |
| 8712 | CS-GEM-796 | 377,869.0 | 3,865,070.8 | 897.3 | Population (Census) | Exported from HARP database |
| 8713 | CS-GEM-797 | 377,261.4 | 3,865,076.1 | 902.6 | Population (Census) | Exported from HARP database |
| 8714 | CS-GEM-798 | 376,590.7 | 3,864,454.1 | 894.2 | Population (Census) | Exported from HARP database |
| 8715 | CS-GEM-799 | 377,465.0 | 3,864,873.6 | 895.4 | Population (Census) | Exported from HARP database |
| 8716 | CS-GEM-800 | 377,263.7 | 3,864,878.5 | 896.9 | Population (Census) | Exported from HARP database |
| 8717 | CS-GEM-801 | 375,994.3 | 3,864,456.9 | 900.7 | Population (Census) | Exported from HARP database |
| 8718 | CS-GEM-802 | 375,889.2 | 3,864,422.1 | 899.4 | Population (Census) | Exported from HARP database |
| 8719 | CS-GEM-803 | 376,371.7 | 3,864,975.5 | 911.8 | Population (Census) | Exported from HARP database |
| 8720 | CS-GEM-804 | 375,949.6 | 3,865,597.5 | 936.4 | Population (Census) | Exported from HARP database |
| 8721 | CS-GEM-805 | 375,603.9 | 3,865,974.0 | 956.0 | Population (Census) | Exported from HARP database |
| 8722 | CS-GEM-806 | 375,978.2 | 3,866,434.4 | 956.8 | Population (Census) | Exported from HARP database |
| 8723 | CS-GEM-807 | 375,516.2 | 3,865,908.1 | 955.9 | Population (Census) | Exported from HARP database |
| 8724 | CS-GEM-808 | 375,525.8 | 3,865,845.7 | 953.3 | Population (Census) | Exported from HARP database |
| 8725 | CS-GEM-809 | 374,839.5 | 3,865,294.8 | 943.4 | Population (Census) | Exported from HARP database |
| 8726 | CS-GEM-810 | 374,922.5 | 3,865,582.6 | 953.5 | Population (Census) | Exported from HARP database |
| 8727 | CS-GEM-811 | 374,293.4 | 3,864,691.8 | 930.1 | Population (Census) | Exported from HARP database |
| 8728 | CS-GEM-812 | 373,863.8 | 3,863,755.9 | 913.0 | Population (Census) | Exported from HARP database |
| 8729 | CS-GEM-813 | 373,114.3 | 3,863,183.3 | 905.2 | Population (Census) | Exported from HARP database |
| 8730 | CS-GEM-814 | 373,458.6 | 3,864,164.0 | 928.7 | Population (Census) | Exported from HARP database |
| 8731 | CS-GEM-815 | 373,460.9 | 3,863,755.2 | 916.2 | Population (Census) | Exported from HARP database |
| 8732 | CS-GEM-816 | 373,835.7 | 3,864,113.7 | 923.3 | Population (Census) | Exported from HARP database |
| 8733 | CS-GEM-817 | 373,659.8 | 3,864,165.8 | 926.7 | Population (Census) | Exported from HARP database |
| 8734 | CS-GEM-818 | 373,015.1 | 3,863,284.6 | 910.2 | Population (Census) | Exported from HARP database |
| 8735 | CS-GEM-819 | 373,633.0 | 3,862,694.7 | 885.5 | Population (Census) | Exported from HARP database |
| 8736 | CS-GEM-820 | 373,112.2 | 3,863,283.4 | 908.2 | Population (Census) | Exported from HARP database |
| 8737 | CS-GEM-821 | 373,259.2 | 3,864,162.0 | 931.2 | Population (Census) | Exported from HARP database |
| 8738 | CS-GEM-822 | 373,663.2 | 3,863,754.7 | 914.8 | Population (Census) | Exported from HARP database |
| 8739 | CS-GEM-823 | 373,015.9 | 3,863,185.0 | 907.5 | Population (Census) | Exported from HARP database |
| 8740 | CS-GEM-824 | 373,262.2 | 3,863,754.8 | 919.7 | Population (Census) | Exported from HARP database |
| 8741 | CS-GEM-825 | 374,310.7 | 3,864,012.3 | 912.8 | Population (Census) | Exported from HARP database |
| 8742 | CS-GEM-826 | 374,498.5 | 3,863,613.7 | 898.5 | Population (Census) | Exported from HARP database |
| 8743 | CS-GEM-827 | 374,938.6 | 3,864,212.1 | 906.0 | Population (Census) | Exported from HARP database |
| 8744 | CS-GEM-828 | 375,211.2 | 3,864,840.4 | 921.4 | Population (Census) | Exported from HARP database |
| 8745 | CS-GEM-829 | 374,965.2 | 3,864,711.8 | 920.2 | Population (Census) | Exported from HARP database |
| 8746 | CS-GEM-830 | 375,650.6 | 3,864,788.9 | 914.5 | Population (Census) | Exported from HARP database |
| 8747 | CS-GEM-831 | 375,845.5 | 3,864,819.4 | 913.3 | Population (Census) | Exported from HARP database |
| 8748 | CS-GEM-832 | 375,980.1 | 3,864,849.6 | 913.1 | Population (Census) | Exported from HARP database |
| 8749 | CS-GEM-833 | 374,650.9 | 3,863,855.7 | 903.1 | Population (Census) | Exported from HARP database |
| 8750 | CS-GEM-834 | 374,663.0 | 3,863,650.9 | 897.8 | Population (Census) | Exported from HARP database |
| 8751 | CS-GEM-835 | 375,000.3 | 3,863,729.5 | 893.0 | Population (Census) | Exported from HARP database |
| 8752 | CS-GEM-836 | 375,402.7 | 3,864,052.8 | 894.4 | Population (Census) | Exported from HARP database |
| 8753 | CS-GEM-837 | 375,269.8 | 3,864,207.6 | 900.2 | Population (Census) | Exported from HARP database |
| 8754 | CS-GEM-838 | 375,403.8 | 3,864,319.9 | 902.4 | Population (Census) | Exported from HARP database |
| 8755 | CS-GEM-839 | 375,621.4 | 3,864,340.2 | 899.6 | Population (Census) | Exported from HARP database |
| 8756 | CS-GEM-840 | 375,862.9 | 3,863,759.0 | 881.8 | Population (Census) | Exported from HARP database |
| 8757 | CS-GEM-841 | 375,475.8 | 3,863,845.2 | 887.7 | Population (Census) | Exported from HARP database |
| 8758 | CS-GEM-842 | 375,280.3 | 3,863,845.9 | 890.9 | Population (Census) | Exported from HARP database |
| 8759 | CS-GEM-843 | 375,280.1 | 3,863,646.8 | 886.2 | Population (Census) | Exported from HARP database |
| 8760 | CS-GEM-844 | 375,477.3 | 3,863,645.4 | 882.4 | Population (Census) | Exported from HARP database |
| 8761 | CS-GEM-845 | 375,072.6 | 3,863,351.4 | 883.0 | Population (Census) | Exported from HARP database |
| 8762 | CS-GEM-846 | 375,372.7 | 3,863,334.2 | 877.9 | Population (Census) | Exported from HARP database |
| 8763 | CS-GEM-847 | 374,831.4 | 3,863,061.9 | 881.5 | Population (Census) | Exported from HARP database |
| 8764 | CS-GEM-848 | 374,156.2 | 3,862,922.6 | 885.1 | Population (Census) | Exported from HARP database |
| 8765 | CS-GEM-849 | 375,302.7 | 3,863,013.7 | 872.5 | Population (Census) | Exported from HARP database |
| 8766 | CS-GEM-850 | 375,284.5 | 3,862,755.9 | 866.1 | Population (Census) | Exported from HARP database |
| 8767 | CS-GEM-851 | 375,481.3 | 3,862,766.2 | 864.0 | Population (Census) | Exported from HARP database |
| 8768 | CS-GEM-852 | 374,307.0 | 3,862,704.5 | 878.7 | Population (Census) | Exported from HARP database |
| 8769 | CS-GEM-853 | 375,243.3 | 3,862,882.4 | 869.5 | Population (Census) | Exported from HARP database |
| 8770 | CS-GEM-854 | 374,550.5 | 3,862,923.4 | 881.1 | Population (Census) | Exported from HARP database |
| 8771 | CS-GEM-855 | 374,108.7 | 3,863,422.2 | 898.9 | Population (Census) | Exported from HARP database |
| 8772 | CS-GEM-856 | 376,402.1 | 3,863,561.7 | 871.2 | Population (Census) | Exported from HARP database |
| 8773 | CS-GEM-857 | 376,590.3 | 3,863,956.9 | 880.4 | Population (Census) | Exported from HARP database |
| 8774 | CS-GEM-858 | 376,988.5 | 3,863,946.1 | 875.4 | Population (Census) | Exported from HARP database |
| 8775 | CS-GEM-859 | 377,521.0 | 3,863,883.9 | 869.3 | Population (Census) | Exported from HARP database |
| 8776 | CS-GEM-860 | 377,801.2 | 3,864,218.2 | 875.4 | Population (Census) | Exported from HARP database |
| 8777 | CS-GEM-861 | 378,374.5 | 3,864,761.8 | 880.8 | Population (Census) | Exported from HARP database |
| 8778 | CS-GEM-862 | 378,741.8 | 3,865,344.9 | 887.3 | Population (Census) | Exported from HARP database |
| 8779 | CS-GEM-863 | 379,165.4 | 3,865,587.1 | 886.4 | Population (Census) | Exported from HARP database |
| 8780 | CS-GEM-864 | 379,494.8 | 3,866,072.4 | 887.5 | Population (Census) | Exported from HARP database |
| 8781 | CS-GEM-865 | 379,844.1 | 3,866,241.8 | 881.4 | Population (Census) | Exported from HARP database |
| 8782 | CS-GEM-866 | 380,105.1 | 3,866,271.4 | 878.9 | Population (Census) | Exported from HARP database |
| 8783 | CS-GEM-867 | 379,800.5 | 3,866,674.6 | 893.7 | Population (Census) | Exported from HARP database |
| 8784 | CS-GEM-868 | 379,700.9 | 3,866,975.8 | 900.3 | Population (Census) | Exported from HARP database |
| 8785 | CS-GEM-869 | 379,701.2 | 3,867,381.5 | 906.4 | Population (Census) | Exported from HARP database |
| 8786 | CS-GEM-870 | 379,753.7 | 3,867,685.6 | 909.7 | Population (Census) | Exported from HARP database |
| 8787 | CS-GEM-871 | 379,956.4 | 3,867,685.6 | 904.4 | Population (Census) | Exported from HARP database |
| 8788 | CS-GEM-872 | 380,108.9 | 3,867,683.1 | 901.3 | Population (Census) | Exported from HARP database |
| 8789 | CS-GEM-873 | 380,257.8 | 3,867,683.9 | 897.8 | Population (Census) | Exported from HARP database |
| 8790 | CS-GEM-874 | 380,354.9 | 3,867,682.0 | 895.2 | Population (Census) | Exported from HARP database |
| 8791 | CS-GEM-875 | 380,355.3 | 3,867,482.0 | 893.0 | Population (Census) | Exported from HARP database |
| 8792 | CS-GEM-876 | 380,155.5 | 3,867,483.1 | 896.5 | Population (Census) | Exported from HARP database |
| 8793 | CS-GEM-877 | 379,903.7 | 3,867,483.7 | 902.7 | Population (Census) | Exported from HARP database |
| 8794 | CS-GEM-878 | 379,903.4 | 3,867,279.2 | 899.9 | Population (Census) | Exported from HARP database |
| 8795 | CS-GEM-879 | 380,107.5 | 3,867,277.5 | 895.7 | Population (Census) | Exported from HARP database |
| 8796 | CS-GEM-880 | 380,258.6 | 3,867,276.7 | 892.4 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8797 | CS-GEM-881 | 380,356.6 | 3,867,276.3 | 889.9 | Population (Census) | Exported from HARP database |
| 8798 | CS-GEM-882 | 380,520.0 | 3,867,124.4 | 884.6 | Population (Census) | Exported from HARP database |
| 8799 | CS-GEM-883 | 381,127.3 | 3,867,169.4 | 874.0 | Population (Census) | Exported from HARP database |
| 8800 | CS-GEM-884 | 381,446.7 | 3,867,767.7 | 879.5 | Population (Census) | Exported from HARP database |
| 8801 | CS-GEM-885 | 380,106.7 | 3,867,076.2 | 892.8 | Population (Census) | Exported from HARP database |
| 8802 | CS-GEM-886 | 379,903.4 | 3,867,076.5 | 896.9 | Population (Census) | Exported from HARP database |
| 8803 | CS-GEM-887 | 379,870.7 | 3,866,877.0 | 894.5 | Population (Census) | Exported from HARP database |
| 8804 | CS-GEM-888 | 380,073.7 | 3,866,874.8 | 889.9 | Population (Census) | Exported from HARP database |
| 8805 | CS-GEM-889 | 380,257.7 | 3,866,874.6 | 886.5 | Population (Census) | Exported from HARP database |
| 8806 | CS-GEM-890 | 380,258.4 | 3,867,075.1 | 889.9 | Population (Census) | Exported from HARP database |
| 8807 | CS-GEM-891 | 380,357.1 | 3,867,074.7 | 887.6 | Population (Census) | Exported from HARP database |
| 8808 | CS-GEM-892 | 380,356.2 | 3,866,874.3 | 884.5 | Population (Census) | Exported from HARP database |
| 8809 | CS-GEM-893 | 380,370.6 | 3,866,687.6 | 881.4 | Population (Census) | Exported from HARP database |
| 8810 | CS-GEM-894 | 380,257.6 | 3,866,726.8 | 883.8 | Population (Census) | Exported from HARP database |
| 8811 | CS-GEM-895 | 380,105.3 | 3,866,673.0 | 886.3 | Population (Census) | Exported from HARP database |
| 8812 | CS-GEM-896 | 380,283.1 | 3,866,622.1 | 881.7 | Population (Census) | Exported from HARP database |
| 8813 | CS-GEM-897 | 380,182.9 | 3,866,472.2 | 880.8 | Population (Census) | Exported from HARP database |
| 8814 | CS-GEM-898 | 380,391.2 | 3,866,470.2 | 877.4 | Population (Census) | Exported from HARP database |
| 8815 | CS-GEM-899 | 381,036.0 | 3,866,612.9 | 867.3 | Population (Census) | Exported from HARP database |
| 8816 | CS-GEM-900 | 380,725.9 | 3,866,315.7 | 868.5 | Population (Census) | Exported from HARP database |
| 8817 | CS-GEM-901 | 380,728.2 | 3,866,515.4 | 871.6 | Population (Census) | Exported from HARP database |
| 8818 | CS-GEM-902 | 380,931.3 | 3,866,362.0 | 865.4 | Population (Census) | Exported from HARP database |
| 8819 | CS-GEM-903 | 381,579.0 | 3,866,618.3 | 862.5 | Population (Census) | Exported from HARP database |
| 8820 | CS-GEM-904 | 381,838.1 | 3,867,144.1 | 868.7 | Population (Census) | Exported from HARP database |
| 8821 | CS-GEM-905 | 382,312.2 | 3,867,325.6 | 869.2 | Population (Census) | Exported from HARP database |
| 8822 | CS-GEM-906 | 382,607.5 | 3,867,650.7 | 870.2 | Population (Census) | Exported from HARP database |
| 8823 | CS-GEM-907 | 382,947.2 | 3,867,703.9 | 868.1 | Population (Census) | Exported from HARP database |
| 8824 | CS-GEM-908 | 383,149.8 | 3,867,698.4 | 865.6 | Population (Census) | Exported from HARP database |
| 8825 | CS-GEM-909 | 383,351.7 | 3,867,697.1 | 863.2 | Population (Census) | Exported from HARP database |
| 8826 | CS-GEM-910 | 383,563.3 | 3,867,718.5 | 861.2 | Population (Census) | Exported from HARP database |
| 8827 | CS-GEM-911 | 383,256.6 | 3,867,343.4 | 860.1 | Population (Census) | Exported from HARP database |
| 8828 | CS-GEM-912 | 382,703.6 | 3,867,375.5 | 866.4 | Population (Census) | Exported from HARP database |
| 8829 | CS-GEM-913 | 382,806.3 | 3,867,081.9 | 862.0 | Population (Census) | Exported from HARP database |
| 8830 | CS-GEM-914 | 383,291.2 | 3,866,959.2 | 854.9 | Population (Census) | Exported from HARP database |
| 8831 | CS-GEM-915 | 383,851.7 | 3,867,044.9 | 851.5 | Population (Census) | Exported from HARP database |
| 8832 | CS-GEM-916 | 384,092.0 | 3,867,245.1 | 854.4 | Population (Census) | Exported from HARP database |
| 8833 | CS-GEM-917 | 383,849.9 | 3,866,835.0 | 849.2 | Population (Census) | Exported from HARP database |
| 8834 | CS-GEM-918 | 384,518.7 | 3,867,535.4 | 861.2 | Population (Census) | Exported from HARP database |
| 8835 | CS-GEM-919 | 384,546.2 | 3,867,336.1 | 860.0 | Population (Census) | Exported from HARP database |
| 8836 | CS-GEM-920 | 384,645.2 | 3,867,010.4 | 856.0 | Population (Census) | Exported from HARP database |
| 8837 | CS-GEM-921 | 384,948.4 | 3,867,239.6 | 861.0 | Population (Census) | Exported from HARP database |
| 8838 | CS-GEM-922 | 384,881.3 | 3,866,951.6 | 857.7 | Population (Census) | Exported from HARP database |
| 8839 | CS-GEM-923 | 385,222.6 | 3,867,330.0 | 861.7 | Population (Census) | Exported from HARP database |
| 8840 | CS-GEM-924 | 385,380.0 | 3,867,318.9 | 863.3 | Population (Census) | Exported from HARP database |
| 8841 | CS-GEM-925 | 385,381.0 | 3,867,722.6 | 866.8 | Population (Census) | Exported from HARP database |
| 8842 | CS-GEM-926 | 385,582.2 | 3,867,818.2 | 869.8 | Population (Census) | Exported from HARP database |
| 8843 | CS-GEM-927 | 385,782.3 | 3,867,718.0 | 868.8 | Population (Census) | Exported from HARP database |
| 8844 | CS-GEM-928 | 385,983.2 | 3,867,714.0 | 869.3 | Population (Census) | Exported from HARP database |
| 8845 | CS-GEM-929 | 385,983.0 | 3,867,312.2 | 865.0 | Population (Census) | Exported from HARP database |
| 8846 | CS-GEM-930 | 385,782.1 | 3,867,313.5 | 864.8 | Population (Census) | Exported from HARP database |
| 8847 | CS-GEM-931 | 385,580.5 | 3,867,317.9 | 864.1 | Population (Census) | Exported from HARP database |
| 8848 | CS-GEM-932 | 385,523.1 | 3,867,622.5 | 867.1 | Population (Census) | Exported from HARP database |
| 8849 | CS-GEM-933 | 385,623.1 | 3,867,612.7 | 867.3 | Population (Census) | Exported from HARP database |
| 8850 | CS-GEM-934 | 384,851.5 | 3,866,770.1 | 855.3 | Population (Census) | Exported from HARP database |
| 8851 | CS-GEM-935 | 386,139.3 | 3,867,317.1 | 863.6 | Population (Census) | Exported from HARP database |
| 8852 | CS-GEM-936 | 386,340.6 | 3,867,305.2 | 862.3 | Population (Census) | Exported from HARP database |
| 8853 | CS-GEM-937 | 386,547.1 | 3,867,000.3 | 858.4 | Population (Census) | Exported from HARP database |
| 8854 | CS-GEM-938 | 386,639.8 | 3,867,397.3 | 863.4 | Population (Census) | Exported from HARP database |
| 8855 | CS-GEM-939 | 386,736.6 | 3,867,397.1 | 862.6 | Population (Census) | Exported from HARP database |
| 8856 | CS-GEM-940 | 387,063.5 | 3,867,030.1 | 857.2 | Population (Census) | Exported from HARP database |
| 8857 | CS-GEM-941 | 387,239.5 | 3,867,295.7 | 857.0 | Population (Census) | Exported from HARP database |
| 8858 | CS-GEM-942 | 387,149.2 | 3,867,289.4 | 858.1 | Population (Census) | Exported from HARP database |
| 8859 | CS-GEM-943 | 386,999.7 | 3,867,598.7 | 861.8 | Population (Census) | Exported from HARP database |
| 8860 | CS-GEM-944 | 386,999.0 | 3,867,796.2 | 864.5 | Population (Census) | Exported from HARP database |
| 8861 | CS-GEM-945 | 386,996.4 | 3,868,001.5 | 867.7 | Population (Census) | Exported from HARP database |
| 8862 | CS-GEM-946 | 387,190.2 | 3,868,000.1 | 866.5 | Population (Census) | Exported from HARP database |
| 8863 | CS-GEM-947 | 387,195.6 | 3,867,804.6 | 863.4 | Population (Census) | Exported from HARP database |
| 8864 | CS-GEM-948 | 385,983.1 | 3,866,907.2 | 859.0 | Population (Census) | Exported from HARP database |
| 8865 | CS-GEM-949 | 385,781.9 | 3,866,910.9 | 858.4 | Population (Census) | Exported from HARP database |
| 8866 | CS-GEM-950 | 385,580.1 | 3,866,914.5 | 858.5 | Population (Census) | Exported from HARP database |
| 8867 | CS-GEM-951 | 385,430.8 | 3,867,016.5 | 859.4 | Population (Census) | Exported from HARP database |
| 8868 | CS-GEM-952 | 385,329.8 | 3,867,075.1 | 859.5 | Population (Census) | Exported from HARP database |
| 8869 | CS-GEM-953 | 385,229.4 | 3,867,020.2 | 858.1 | Population (Census) | Exported from HARP database |
| 8870 | CS-GEM-954 | 385,429.7 | 3,866,817.2 | 857.9 | Population (Census) | Exported from HARP database |
| 8871 | CS-GEM-955 | 385,328.5 | 3,866,816.1 | 857.0 | Population (Census) | Exported from HARP database |
| 8872 | CS-GEM-956 | 385,329.8 | 3,866,973.9 | 858.2 | Population (Census) | Exported from HARP database |
| 8873 | CS-GEM-957 | 385,603.7 | 3,866,290.6 | 851.7 | Population (Census) | Exported from HARP database |
| 8874 | CS-GEM-958 | 386,416.6 | 3,866,335.8 | 850.9 | Population (Census) | Exported from HARP database |
| 8875 | CS-GEM-959 | 387,090.6 | 3,866,585.7 | 852.8 | Population (Census) | Exported from HARP database |
| 8876 | CS-GEM-960 | 387,490.0 | 3,866,578.7 | 848.7 | Population (Census) | Exported from HARP database |
| 8877 | CS-GEM-961 | 387,941.4 | 3,867,058.1 | 849.5 | Population (Census) | Exported from HARP database |
| 8878 | CS-GEM-962 | 388,117.8 | 3,867,734.8 | 853.9 | Population (Census) | Exported from HARP database |
| 8879 | CS-GEM-963 | 388,373.4 | 3,867,646.4 | 850.3 | Population (Census) | Exported from HARP database |
| 8880 | CS-GEM-964 | 388,915.7 | 3,867,698.0 | 846.1 | Population (Census) | Exported from HARP database |
| 8881 | CS-GEM-965 | 388,903.7 | 3,867,969.9 | 848.1 | Population (Census) | Exported from HARP database |
| 8882 | CS-GEM-966 | 388,659.7 | 3,867,151.8 | 841.7 | Population (Census) | Exported from HARP database |
| 8883 | CS-GEM-967 | 389,083.2 | 3,867,314.4 | 840.5 | Population (Census) | Exported from HARP database |
| 8884 | CS-GEM-968 | 389,487.5 | 3,867,254.6 | 837.6 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8885 | CS-GEM-969 | 389,904.3 | 3,867,246.2 | 834.2 | Population (Census) | Exported from HARP database |
| 8886 | CS-GEM-970 | 389,904.1 | 3,866,945.3 | 831.5 | Population (Census) | Exported from HARP database |
| 8887 | CS-GEM-971 | 389,488.9 | 3,866,955.4 | 835.3 | Population (Census) | Exported from HARP database |
| 8888 | CS-GEM-972 | 388,960.8 | 3,866,858.9 | 838.4 | Population (Census) | Exported from HARP database |
| 8889 | CS-GEM-973 | 389,085.8 | 3,867,112.1 | 839.0 | Population (Census) | Exported from HARP database |
| 8890 | CS-GEM-974 | 388,291.3 | 3,866,564.3 | 841.0 | Population (Census) | Exported from HARP database |
| 8891 | CS-GEM-975 | 387,890.9 | 3,866,571.5 | 845.0 | Population (Census) | Exported from HARP database |
| 8892 | CS-GEM-976 | 387,890.0 | 3,866,373.1 | 843.2 | Population (Census) | Exported from HARP database |
| 8893 | CS-GEM-977 | 387,488.4 | 3,866,380.7 | 848.6 | Population (Census) | Exported from HARP database |
| 8894 | CS-GEM-978 | 387,089.7 | 3,866,386.7 | 851.0 | Population (Census) | Exported from HARP database |
| 8895 | CS-GEM-979 | 387,087.3 | 3,866,185.5 | 848.8 | Population (Census) | Exported from HARP database |
| 8896 | CS-GEM-980 | 387,487.5 | 3,866,179.2 | 848.0 | Population (Census) | Exported from HARP database |
| 8897 | CS-GEM-981 | 387,889.1 | 3,866,172.4 | 842.6 | Population (Census) | Exported from HARP database |
| 8898 | CS-GEM-982 | 388,287.0 | 3,866,164.8 | 838.7 | Population (Census) | Exported from HARP database |
| 8899 | CS-GEM-983 | 388,879.4 | 3,866,257.9 | 834.7 | Population (Census) | Exported from HARP database |
| 8900 | CS-GEM-984 | 389,575.1 | 3,866,454.0 | 830.8 | Population (Census) | Exported from HARP database |
| 8901 | CS-GEM-985 | 389,900.4 | 3,866,747.9 | 832.1 | Population (Census) | Exported from HARP database |
| 8902 | CS-GEM-986 | 389,487.3 | 3,866,757.5 | 832.8 | Population (Census) | Exported from HARP database |
| 8903 | CS-GEM-987 | 389,988.5 | 3,866,328.6 | 828.9 | Population (Census) | Exported from HARP database |
| 8904 | CS-GEM-988 | 389,988.8 | 3,866,399.2 | 828.0 | Population (Census) | Exported from HARP database |
| 8905 | CS-GEM-989 | 389,991.1 | 3,866,545.5 | 830.2 | Population (Census) | Exported from HARP database |
| 8906 | CS-GEM-990 | 389,991.0 | 3,866,272.1 | 826.8 | Population (Census) | Exported from HARP database |
| 8907 | CS-GEM-991 | 388,289.5 | 3,866,366.4 | 839.4 | Population (Census) | Exported from HARP database |
| 8908 | CS-GEM-992 | 388,286.8 | 3,865,966.9 | 837.3 | Population (Census) | Exported from HARP database |
| 8909 | CS-GEM-993 | 387,889.4 | 3,865,974.4 | 841.8 | Population (Census) | Exported from HARP database |
| 8910 | CS-GEM-994 | 387,486.3 | 3,865,980.3 | 845.0 | Population (Census) | Exported from HARP database |
| 8911 | CS-GEM-995 | 387,084.6 | 3,865,986.7 | 846.8 | Population (Census) | Exported from HARP database |
| 8912 | CS-GEM-996 | 387,013.2 | 3,864,721.8 | 920.9 | Population (Census) | Exported from HARP database |
| 8913 | CS-GEM-997 | 388,407.6 | 3,863,641.2 | 784.1 | Population (Census) | Exported from HARP database |
| 8914 | CS-GEM-998 | 387,521.8 | 3,863,419.3 | 797.3 | Population (Census) | Exported from HARP database |
| 8915 | CS-GEM-999 | 387,748.3 | 3,863,404.1 | 783.0 | Population (Census) | Exported from HARP database |
| 8916 | CS-GEM-1000 | 385,419.9 | 3,864,083.7 | 812.3 | Population (Census) | Exported from HARP database |
| 8917 | CS-GEM-1001 | 387,075.9 | 3,863,318.1 | 810.8 | Population (Census) | Exported from HARP database |
| 8918 | CS-GEM-1002 | 389,007.2 | 3,865,677.7 | 832.0 | Population (Census) | Exported from HARP database |
| 8919 | CS-GEM-1003 | 389,474.7 | 3,866,002.5 | 829.3 | Population (Census) | Exported from HARP database |
| 8920 | CS-GEM-1004 | 389,773.7 | 3,865,988.5 | 827.2 | Population (Census) | Exported from HARP database |
| 8921 | CS-GEM-1005 | 389,973.6 | 3,865,755.7 | 824.1 | Population (Census) | Exported from HARP database |
| 8922 | CS-GEM-1006 | 389,509.7 | 3,865,141.5 | 846.4 | Population (Census) | Exported from HARP database |
| 8923 | CS-GEM-1007 | 389,877.4 | 3,864,854.1 | 827.1 | Population (Census) | Exported from HARP database |
| 8924 | CS-GEM-1008 | 388,923.7 | 3,865,341.3 | 861.8 | Population (Census) | Exported from HARP database |
| 8925 | CS-GEM-1009 | 384,980.1 | 3,864,726.6 | 824.3 | Population (Census) | Exported from HARP database |
| 8926 | CS-GEM-1010 | 384,953.5 | 3,864,399.6 | 819.0 | Population (Census) | Exported from HARP database |
| 8927 | CS-GEM-1011 | 384,895.5 | 3,865,213.6 | 832.8 | Population (Census) | Exported from HARP database |
| 8928 | CS-GEM-1012 | 384,876.7 | 3,865,582.6 | 838.9 | Population (Census) | Exported from HARP database |
| 8929 | CS-GEM-1013 | 384,883.2 | 3,866,304.8 | 848.6 | Population (Census) | Exported from HARP database |
| 8930 | CS-GEM-1014 | 385,083.5 | 3,866,315.9 | 847.9 | Population (Census) | Exported from HARP database |
| 8931 | CS-GEM-1015 | 385,100.8 | 3,866,820.8 | 853.9 | Population (Census) | Exported from HARP database |
| 8932 | CS-GEM-1016 | 385,075.7 | 3,865,511.5 | 850.1 | Population (Census) | Exported from HARP database |
| 8933 | CS-GEM-1017 | 385,057.0 | 3,865,793.9 | 842.4 | Population (Census) | Exported from HARP database |
| 8934 | CS-GEM-1018 | 384,915.4 | 3,865,624.4 | 838.5 | Population (Census) | Exported from HARP database |
| 8935 | CS-GEM-1019 | 384,999.1 | 3,865,240.4 | 832.0 | Population (Census) | Exported from HARP database |
| 8936 | CS-GEM-1020 | 384,703.6 | 3,864,947.6 | 826.8 | Population (Census) | Exported from HARP database |
| 8937 | CS-GEM-1021 | 384,659.4 | 3,865,521.9 | 835.5 | Population (Census) | Exported from HARP database |
| 8938 | CS-GEM-1022 | 384,708.1 | 3,866,231.6 | 847.2 | Population (Census) | Exported from HARP database |
| 8939 | CS-GEM-1023 | 384,576.9 | 3,866,515.8 | 849.8 | Population (Census) | Exported from HARP database |
| 8940 | CS-GEM-1024 | 384,207.8 | 3,866,269.4 | 844.5 | Population (Census) | Exported from HARP database |
| 8941 | CS-GEM-1025 | 384,414.6 | 3,865,986.2 | 843.5 | Population (Census) | Exported from HARP database |
| 8942 | CS-GEM-1026 | 384,386.7 | 3,866,866.5 | 852.5 | Population (Census) | Exported from HARP database |
| 8943 | CS-GEM-1027 | 384,342.1 | 3,866,971.5 | 853.2 | Population (Census) | Exported from HARP database |
| 8944 | CS-GEM-1028 | 383,985.1 | 3,866,329.6 | 842.6 | Population (Census) | Exported from HARP database |
| 8945 | CS-GEM-1029 | 383,832.0 | 3,866,421.3 | 844.4 | Population (Census) | Exported from HARP database |
| 8946 | CS-GEM-1030 | 383,350.0 | 3,866,341.5 | 844.4 | Population (Census) | Exported from HARP database |
| 8947 | CS-GEM-1031 | 382,929.3 | 3,866,829.8 | 857.4 | Population (Census) | Exported from HARP database |
| 8948 | CS-GEM-1032 | 382,434.8 | 3,866,935.8 | 862.5 | Population (Census) | Exported from HARP database |
| 8949 | CS-GEM-1033 | 383,722.7 | 3,865,916.2 | 839.2 | Population (Census) | Exported from HARP database |
| 8950 | CS-GEM-1034 | 383,751.2 | 3,865,905.3 | 839.3 | Population (Census) | Exported from HARP database |
| 8951 | CS-GEM-1035 | 383,696.6 | 3,865,818.5 | 838.3 | Population (Census) | Exported from HARP database |
| 8952 | CS-GEM-1036 | 383,666.7 | 3,865,865.8 | 838.2 | Population (Census) | Exported from HARP database |
| 8953 | CS-GEM-1037 | 383,286.2 | 3,865,580.0 | 836.7 | Population (Census) | Exported from HARP database |
| 8954 | CS-GEM-1038 | 382,755.6 | 3,865,536.1 | 842.3 | Population (Census) | Exported from HARP database |
| 8955 | CS-GEM-1039 | 382,770.4 | 3,866,343.2 | 851.5 | Population (Census) | Exported from HARP database |
| 8956 | CS-GEM-1040 | 382,261.3 | 3,866,342.3 | 855.7 | Population (Census) | Exported from HARP database |
| 8957 | CS-GEM-1041 | 381,947.7 | 3,866,594.8 | 860.9 | Population (Census) | Exported from HARP database |
| 8958 | CS-GEM-1042 | 381,790.0 | 3,866,200.1 | 855.8 | Population (Census) | Exported from HARP database |
| 8959 | CS-GEM-1043 | 381,391.8 | 3,866,454.7 | 860.2 | Population (Census) | Exported from HARP database |
| 8960 | CS-GEM-1044 | 381,390.0 | 3,866,152.4 | 855.7 | Population (Census) | Exported from HARP database |
| 8961 | CS-GEM-1045 | 381,839.3 | 3,865,544.6 | 846.2 | Population (Census) | Exported from HARP database |
| 8962 | CS-GEM-1046 | 381,541.6 | 3,865,847.4 | 851.2 | Population (Census) | Exported from HARP database |
| 8963 | CS-GEM-1047 | 381,339.5 | 3,865,851.8 | 851.4 | Population (Census) | Exported from HARP database |
| 8964 | CS-GEM-1048 | 381,131.0 | 3,865,806.0 | 853.5 | Population (Census) | Exported from HARP database |
| 8965 | CS-GEM-1049 | 381,082.8 | 3,866,058.5 | 858.8 | Population (Census) | Exported from HARP database |
| 8966 | CS-GEM-1050 | 380,829.7 | 3,866,062.1 | 862.3 | Population (Census) | Exported from HARP database |
| 8967 | CS-GEM-1051 | 380,572.6 | 3,866,065.4 | 866.4 | Population (Census) | Exported from HARP database |
| 8968 | CS-GEM-1052 | 380,388.7 | 3,866,070.2 | 870.4 | Population (Census) | Exported from HARP database |
| 8969 | CS-GEM-1053 | 380,388.7 | 3,866,269.5 | 873.6 | Population (Census) | Exported from HARP database |
| 8970 | CS-GEM-1054 | 380,284.7 | 3,866,271.5 | 876.1 | Population (Census) | Exported from HARP database |
| 8971 | CS-GEM-1055 | 380,285.3 | 3,866,067.5 | 871.7 | Population (Census) | Exported from HARP database |
| 8972 | CS-GEM-1056 | 380,285.8 | 3,865,867.8 | 866.9 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 8973 | CS-GEM-1057 | 380,389.3 | 3,865,865.8 | 865.5 | Population (Census) | Exported from HARP database |
| 8974 | CS-GEM-1058 | 380,517.1 | 3,865,864.9 | 863.3 | Population (Census) | Exported from HARP database |
| 8975 | CS-GEM-1059 | 380,822.9 | 3,865,859.3 | 858.1 | Population (Census) | Exported from HARP database |
| 8976 | CS-GEM-1060 | 381,389.1 | 3,865,650.4 | 848.5 | Population (Census) | Exported from HARP database |
| 8977 | CS-GEM-1061 | 381,596.3 | 3,865,597.8 | 847.4 | Population (Census) | Exported from HARP database |
| 8978 | CS-GEM-1062 | 380,567.0 | 3,865,665.9 | 858.9 | Population (Census) | Exported from HARP database |
| 8979 | CS-GEM-1063 | 380,388.9 | 3,865,670.5 | 862.3 | Population (Census) | Exported from HARP database |
| 8980 | CS-GEM-1064 | 380,049.5 | 3,865,583.2 | 869.2 | Population (Census) | Exported from HARP database |
| 8981 | CS-GEM-1065 | 380,282.1 | 3,865,284.7 | 859.5 | Population (Census) | Exported from HARP database |
| 8982 | CS-GEM-1066 | 379,695.9 | 3,865,869.4 | 878.7 | Population (Census) | Exported from HARP database |
| 8983 | CS-GEM-1067 | 379,695.2 | 3,865,467.0 | 873.9 | Population (Census) | Exported from HARP database |
| 8984 | CS-GEM-1068 | 379,499.1 | 3,865,269.4 | 874.9 | Population (Census) | Exported from HARP database |
| 8985 | CS-GEM-1069 | 379,184.3 | 3,864,864.4 | 870.1 | Population (Census) | Exported from HARP database |
| 8986 | CS-GEM-1070 | 380,000.7 | 3,864,364.7 | 848.9 | Population (Census) | Exported from HARP database |
| 8987 | CS-GEM-1071 | 380,367.3 | 3,865,208.7 | 856.9 | Population (Census) | Exported from HARP database |
| 8988 | CS-GEM-1072 | 380,388.1 | 3,865,463.7 | 860.2 | Population (Census) | Exported from HARP database |
| 8989 | CS-GEM-1073 | 380,517.2 | 3,865,362.2 | 856.3 | Population (Census) | Exported from HARP database |
| 8990 | CS-GEM-1074 | 380,823.3 | 3,865,463.6 | 851.9 | Population (Census) | Exported from HARP database |
| 8991 | CS-GEM-1075 | 380,873.9 | 3,865,659.4 | 853.4 | Population (Census) | Exported from HARP database |
| 8992 | CS-GEM-1076 | 381,128.2 | 3,865,504.4 | 847.9 | Population (Census) | Exported from HARP database |
| 8993 | CS-GEM-1077 | 381,391.9 | 3,865,375.3 | 845.2 | Population (Census) | Exported from HARP database |
| 8994 | CS-GEM-1078 | 381,595.7 | 3,865,295.5 | 843.0 | Population (Census) | Exported from HARP database |
| 8995 | CS-GEM-1079 | 381,668.9 | 3,864,742.6 | 834.9 | Population (Census) | Exported from HARP database |
| 8996 | CS-GEM-1080 | 382,243.0 | 3,864,735.2 | 833.7 | Population (Census) | Exported from HARP database |
| 8997 | CS-GEM-1081 | 382,250.3 | 3,865,539.9 | 845.0 | Population (Census) | Exported from HARP database |
| 8998 | CS-GEM-1082 | 382,535.1 | 3,864,580.8 | 831.0 | Population (Census) | Exported from HARP database |
| 8999 | CS-GEM-1083 | 382,820.5 | 3,864,774.3 | 832.0 | Population (Census) | Exported from HARP database |
| 9000 | CS-GEM-1084 | 383,078.0 | 3,864,706.1 | 830.8 | Population (Census) | Exported from HARP database |
| 9001 | CS-GEM-1085 | 383,213.5 | 3,864,164.0 | 823.5 | Population (Census) | Exported from HARP database |
| 9002 | CS-GEM-1086 | 382,528.8 | 3,863,711.9 | 818.5 | Population (Census) | Exported from HARP database |
| 9003 | CS-GEM-1087 | 383,804.6 | 3,865,361.7 | 832.1 | Population (Census) | Exported from HARP database |
| 9004 | CS-GEM-1088 | 383,752.0 | 3,865,784.8 | 837.8 | Population (Census) | Exported from HARP database |
| 9005 | CS-GEM-1089 | 384,015.4 | 3,865,837.5 | 837.9 | Population (Census) | Exported from HARP database |
| 9006 | CS-GEM-1090 | 384,344.2 | 3,865,806.8 | 841.5 | Population (Census) | Exported from HARP database |
| 9007 | CS-GEM-1091 | 384,285.7 | 3,865,460.8 | 835.2 | Population (Census) | Exported from HARP database |
| 9008 | CS-GEM-1092 | 384,000.9 | 3,865,681.2 | 834.6 | Population (Census) | Exported from HARP database |
| 9009 | CS-GEM-1093 | 382,736.8 | 3,863,111.8 | 810.1 | Population (Census) | Exported from HARP database |
| 9010 | CS-GEM-1094 | 382,409.4 | 3,863,048.2 | 810.8 | Population (Census) | Exported from HARP database |
| 9011 | CS-GEM-1095 | 382,162.2 | 3,863,050.2 | 811.9 | Population (Census) | Exported from HARP database |
| 9012 | CS-GEM-1096 | 382,163.8 | 3,863,295.9 | 814.9 | Population (Census) | Exported from HARP database |
| 9013 | CS-GEM-1097 | 382,324.2 | 3,863,959.3 | 822.4 | Population (Census) | Exported from HARP database |
| 9014 | CS-GEM-1098 | 381,216.1 | 3,863,938.0 | 828.0 | Population (Census) | Exported from HARP database |
| 9015 | CS-GEM-1099 | 380,847.7 | 3,864,747.3 | 842.1 | Population (Census) | Exported from HARP database |
| 9016 | CS-GEM-1100 | 380,727.8 | 3,865,261.3 | 851.4 | Population (Census) | Exported from HARP database |
| 9017 | CS-GEM-1101 | 381,029.4 | 3,865,254.2 | 846.5 | Population (Census) | Exported from HARP database |
| 9018 | CS-GEM-1102 | 384,414.9 | 3,865,093.8 | 828.7 | Population (Census) | Exported from HARP database |
| 9019 | CS-GEM-1103 | 384,095.1 | 3,864,258.8 | 817.9 | Population (Census) | Exported from HARP database |
| 9020 | CS-GEM-1104 | 384,619.5 | 3,864,587.3 | 821.6 | Population (Census) | Exported from HARP database |
| 9021 | CS-GEM-1105 | 384,709.0 | 3,864,185.1 | 815.2 | Population (Census) | Exported from HARP database |
| 9022 | CS-GEM-1106 | 385,100.2 | 3,863,960.5 | 811.3 | Population (Census) | Exported from HARP database |
| 9023 | CS-GEM-1107 | 384,921.5 | 3,863,612.9 | 807.5 | Population (Census) | Exported from HARP database |
| 9024 | CS-GEM-1108 | 380,795.6 | 3,863,131.2 | 819.8 | Population (Census) | Exported from HARP database |
| 9025 | CS-GEM-1109 | 379,992.7 | 3,863,146.4 | 827.5 | Population (Census) | Exported from HARP database |
| 9026 | CS-GEM-1110 | 379,381.4 | 3,863,373.6 | 839.2 | Population (Census) | Exported from HARP database |
| 9027 | CS-GEM-1111 | 379,167.2 | 3,864,012.9 | 852.3 | Population (Census) | Exported from HARP database |
| 9028 | CS-GEM-1112 | 379,294.5 | 3,864,463.6 | 860.9 | Population (Census) | Exported from HARP database |
| 9029 | CS-GEM-1113 | 379,492.4 | 3,864,461.5 | 857.9 | Population (Census) | Exported from HARP database |
| 9030 | CS-GEM-1114 | 378,486.2 | 3,864,154.9 | 866.6 | Population (Census) | Exported from HARP database |
| 9031 | CS-GEM-1115 | 378,085.0 | 3,864,154.9 | 870.7 | Population (Census) | Exported from HARP database |
| 9032 | CS-GEM-1116 | 378,388.5 | 3,863,751.4 | 858.5 | Population (Census) | Exported from HARP database |
| 9033 | CS-GEM-1117 | 377,938.9 | 3,863,230.0 | 850.8 | Population (Census) | Exported from HARP database |
| 9034 | CS-GEM-1118 | 377,090.4 | 3,863,340.6 | 859.4 | Population (Census) | Exported from HARP database |
| 9035 | CS-GEM-1119 | 376,891.4 | 3,863,344.4 | 860.8 | Population (Census) | Exported from HARP database |
| 9036 | CS-GEM-1120 | 376,701.5 | 3,863,428.9 | 865.0 | Population (Census) | Exported from HARP database |
| 9037 | CS-GEM-1121 | 376,534.7 | 3,863,501.4 | 868.9 | Population (Census) | Exported from HARP database |
| 9038 | CS-GEM-1122 | 376,484.4 | 3,863,320.9 | 865.2 | Population (Census) | Exported from HARP database |
| 9039 | CS-GEM-1123 | 375,981.6 | 3,863,180.7 | 866.5 | Population (Census) | Exported from HARP database |
| 9040 | CS-GEM-1124 | 375,474.6 | 3,862,965.4 | 868.2 | Population (Census) | Exported from HARP database |
| 9041 | CS-GEM-1125 | 376,674.9 | 3,863,241.7 | 861.2 | Population (Census) | Exported from HARP database |
| 9042 | CS-GEM-1126 | 376,692.4 | 3,862,936.7 | 854.2 | Population (Census) | Exported from HARP database |
| 9043 | CS-GEM-1127 | 376,888.4 | 3,862,934.7 | 851.4 | Population (Census) | Exported from HARP database |
| 9044 | CS-GEM-1128 | 377,087.0 | 3,862,934.4 | 850.2 | Population (Census) | Exported from HARP database |
| 9045 | CS-GEM-1129 | 377,407.7 | 3,862,827.4 | 846.7 | Population (Census) | Exported from HARP database |
| 9046 | CS-GEM-1130 | 377,749.0 | 3,862,769.1 | 843.7 | Population (Census) | Exported from HARP database |
| 9047 | CS-GEM-1131 | 377,827.0 | 3,862,748.7 | 842.4 | Population (Census) | Exported from HARP database |
| 9048 | CS-GEM-1132 | 377,896.9 | 3,862,746.0 | 841.6 | Population (Census) | Exported from HARP database |
| 9049 | CS-GEM-1133 | 378,455.4 | 3,862,881.1 | 839.0 | Population (Census) | Exported from HARP database |
| 9050 | CS-GEM-1134 | 378,974.5 | 3,862,945.2 | 835.2 | Population (Census) | Exported from HARP database |
| 9051 | CS-GEM-1135 | 378,974.4 | 3,863,351.5 | 843.6 | Population (Census) | Exported from HARP database |
| 9052 | CS-GEM-1136 | 379,371.9 | 3,862,968.3 | 830.8 | Population (Census) | Exported from HARP database |
| 9053 | CS-GEM-1137 | 381,302.4 | 3,863,364.2 | 819.7 | Population (Census) | Exported from HARP database |
| 9054 | CS-GEM-1138 | 381,734.8 | 3,863,145.8 | 814.3 | Population (Census) | Exported from HARP database |
| 9055 | CS-GEM-1139 | 376,493.6 | 3,862,939.0 | 855.5 | Population (Census) | Exported from HARP database |
| 9056 | CS-GEM-1140 | 376,136.9 | 3,862,774.5 | 855.9 | Population (Census) | Exported from HARP database |
| 9057 | CS-GEM-1141 | 375,725.7 | 3,862,772.8 | 860.4 | Population (Census) | Exported from HARP database |
| 9058 | CS-GEM-1142 | 385,940.6 | 3,863,313.0 | 794.7 | Population (Census) | Exported from HARP database |
| 9059 | CS-GEM-1143 | 381,998.0 | 3,862,773.0 | 809.2 | Population (Census) | Exported from HARP database |
| 9060 | CS-GEM-1144 | 382,011.6 | 3,862,719.7 | 808.7 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 9061 | CS-GEM-1145 | 386,783.9 | 3,862,895.2 | 782.8 | Population (Census) | Exported from HARP database |
| 9062 | CS-GEM-1146 | 387,315.2 | 3,862,981.4 | 807.5 | Population (Census) | Exported from HARP database |
| 9063 | CS-GEM-1147 | 387,665.6 | 3,862,960.9 | 774.3 | Population (Census) | Exported from HARP database |
| 9064 | CS-GEM-1148 | 387,667.2 | 3,862,856.9 | 772.6 | Population (Census) | Exported from HARP database |
| 9065 | CS-GEM-1149 | 387,720.0 | 3,863,273.3 | 777.3 | Population (Census) | Exported from HARP database |
| 9066 | CS-GEM-1150 | 387,966.8 | 3,863,308.4 | 778.0 | Population (Census) | Exported from HARP database |
| 9067 | CS-GEM-1151 | 388,927.9 | 3,863,384.9 | 784.8 | Population (Census) | Exported from HARP database |
| 9068 | CS-GEM-1152 | 388,846.4 | 3,863,375.9 | 793.7 | Population (Census) | Exported from HARP database |
| 9069 | CS-GEM-1153 | 388,839.6 | 3,863,564.5 | 794.1 | Population (Census) | Exported from HARP database |
| 9070 | CS-GEM-1154 | 389,517.3 | 3,864,115.6 | 825.2 | Population (Census) | Exported from HARP database |
| 9071 | CS-GEM-1155 | 390,312.3 | 3,864,078.3 | 820.9 | Population (Census) | Exported from HARP database |
| 9072 | CS-GEM-1156 | 390,304.2 | 3,864,883.0 | 823.4 | Population (Census) | Exported from HARP database |
| 9073 | CS-GEM-1157 | 390,734.8 | 3,864,243.1 | 833.1 | Population (Census) | Exported from HARP database |
| 9074 | CS-GEM-1158 | 390,719.7 | 3,865,467.9 | 817.9 | Population (Census) | Exported from HARP database |
| 9075 | CS-GEM-1159 | 390,729.0 | 3,866,147.6 | 819.0 | Population (Census) | Exported from HARP database |
| 9076 | CS-GEM-1160 | 391,134.9 | 3,866,053.9 | 815.8 | Population (Census) | Exported from HARP database |
| 9077 | CS-GEM-1161 | 392,077.3 | 3,863,717.5 | 816.5 | Population (Census) | Exported from HARP database |
| 9078 | CS-GEM-1162 | 392,223.0 | 3,863,486.7 | 831.0 | Population (Census) | Exported from HARP database |
| 9079 | CS-GEM-1163 | 392,211.6 | 3,863,284.2 | 821.4 | Population (Census) | Exported from HARP database |
| 9080 | CS-GEM-1164 | 392,020.6 | 3,863,340.7 | 815.1 | Population (Census) | Exported from HARP database |
| 9081 | CS-GEM-1165 | 391,924.8 | 3,863,124.3 | 804.2 | Population (Census) | Exported from HARP database |
| 9082 | CS-GEM-1166 | 391,550.7 | 3,863,340.4 | 791.7 | Population (Census) | Exported from HARP database |
| 9083 | CS-GEM-1167 | 391,545.9 | 3,863,849.1 | 807.6 | Population (Census) | Exported from HARP database |
| 9084 | CS-GEM-1168 | 391,544.6 | 3,864,654.7 | 824.9 | Population (Census) | Exported from HARP database |
| 9085 | CS-GEM-1169 | 391,140.5 | 3,864,248.4 | 832.8 | Population (Census) | Exported from HARP database |
| 9086 | CS-GEM-1170 | 391,131.3 | 3,865,194.8 | 814.7 | Population (Census) | Exported from HARP database |
| 9087 | CS-GEM-1171 | 391,142.9 | 3,863,335.8 | 792.2 | Population (Census) | Exported from HARP database |
| 9088 | CS-GEM-1172 | 390,735.3 | 3,863,334.3 | 788.2 | Population (Census) | Exported from HARP database |
| 9089 | CS-GEM-1173 | 390,312.7 | 3,863,229.5 | 781.2 | Population (Census) | Exported from HARP database |
| 9090 | CS-GEM-1174 | 389,521.5 | 3,863,268.9 | 776.9 | Population (Census) | Exported from HARP database |
| 9091 | CS-GEM-1175 | 389,792.9 | 3,863,629.4 | 800.8 | Population (Census) | Exported from HARP database |
| 9092 | CS-GEM-1176 | 390,583.9 | 3,863,138.1 | 780.9 | Population (Census) | Exported from HARP database |
| 9093 | CS-GEM-1177 | 390,712.8 | 3,863,126.5 | 780.0 | Population (Census) | Exported from HARP database |
| 9094 | CS-GEM-1178 | 391,261.3 | 3,863,132.3 | 784.5 | Population (Census) | Exported from HARP database |
| 9095 | CS-GEM-1179 | 391,545.0 | 3,862,828.5 | 781.6 | Population (Census) | Exported from HARP database |
| 9096 | CS-GEM-1180 | 391,046.1 | 3,862,820.3 | 774.7 | Population (Census) | Exported from HARP database |
| 9097 | CS-GEM-1181 | 390,698.5 | 3,862,943.8 | 774.4 | Population (Census) | Exported from HARP database |
| 9098 | CS-GEM-1182 | 390,580.4 | 3,862,936.7 | 774.2 | Population (Census) | Exported from HARP database |
| 9099 | CS-GEM-1183 | 390,588.8 | 3,863,036.8 | 777.5 | Population (Census) | Exported from HARP database |
| 9100 | CS-GEM-1184 | 390,345.2 | 3,862,883.3 | 770.9 | Population (Census) | Exported from HARP database |
| 9101 | CS-GEM-1185 | 389,613.6 | 3,862,526.9 | 767.0 | Population (Census) | Exported from HARP database |
| 9102 | CS-GEM-1186 | 388,772.8 | 3,863,191.1 | 780.2 | Population (Census) | Exported from HARP database |
| 9103 | CS-GEM-1187 | 388,295.2 | 3,862,797.4 | 778.4 | Population (Census) | Exported from HARP database |
| 9104 | CS-GEM-1188 | 387,723.0 | 3,862,693.2 | 770.0 | Population (Census) | Exported from HARP database |
| 9105 | CS-GEM-1189 | 390,149.1 | 3,862,306.4 | 763.4 | Population (Census) | Exported from HARP database |
| 9106 | CS-GEM-1190 | 390,225.6 | 3,862,643.1 | 763.2 | Population (Census) | Exported from HARP database |
| 9107 | CS-GEM-1191 | 390,298.0 | 3,862,457.0 | 760.3 | Population (Census) | Exported from HARP database |
| 9108 | CS-GEM-1192 | 390,471.5 | 3,862,626.3 | 765.1 | Population (Census) | Exported from HARP database |
| 9109 | CS-GEM-1193 | 390,632.8 | 3,862,732.7 | 768.8 | Population (Census) | Exported from HARP database |
| 9110 | CS-GEM-1194 | 390,888.2 | 3,862,037.7 | 808.0 | Population (Census) | Exported from HARP database |
| 9111 | CS-GEM-1195 | 391,530.2 | 3,862,113.7 | 817.9 | Population (Census) | Exported from HARP database |
| 9112 | CS-GEM-1196 | 391,531.8 | 3,862,498.4 | 778.1 | Population (Census) | Exported from HARP database |
| 9113 | CS-GEM-1197 | 390,214.7 | 3,861,401.0 | 747.0 | Population (Census) | Exported from HARP database |
| 9114 | CS-GEM-1198 | 390,466.3 | 3,861,492.6 | 749.4 | Population (Census) | Exported from HARP database |
| 9115 | CS-GEM-1199 | 391,080.8 | 3,861,215.9 | 786.5 | Population (Census) | Exported from HARP database |
| 9116 | CS-GEM-1200 | 391,560.0 | 3,861,340.6 | 787.2 | Population (Census) | Exported from HARP database |
| 9117 | CS-GEM-1201 | 391,259.7 | 3,860,927.9 | 786.1 | Population (Census) | Exported from HARP database |
| 9118 | CS-GEM-1202 | 391,872.1 | 3,861,426.3 | 804.5 | Population (Census) | Exported from HARP database |
| 9119 | CS-GEM-1203 | 392,336.5 | 3,862,427.2 | 787.8 | Population (Census) | Exported from HARP database |
| 9120 | CS-GEM-1204 | 392,244.9 | 3,861,308.0 | 780.9 | Population (Census) | Exported from HARP database |
| 9121 | CS-GEM-1205 | 391,727.4 | 3,862,218.4 | 781.6 | Population (Census) | Exported from HARP database |
| 9122 | CS-GEM-1206 | 389,742.6 | 3,861,100.0 | 744.6 | Population (Census) | Exported from HARP database |
| 9123 | CS-GEM-1207 | 389,384.3 | 3,861,396.0 | 749.2 | Population (Census) | Exported from HARP database |
| 9124 | CS-GEM-1208 | 389,305.3 | 3,861,658.1 | 750.9 | Population (Census) | Exported from HARP database |
| 9125 | CS-GEM-1209 | 389,235.1 | 3,861,215.1 | 749.6 | Population (Census) | Exported from HARP database |
| 9126 | CS-GEM-1210 | 389,239.7 | 3,861,507.2 | 750.8 | Population (Census) | Exported from HARP database |
| 9127 | CS-GEM-1211 | 389,242.9 | 3,861,707.7 | 751.9 | Population (Census) | Exported from HARP database |
| 9128 | CS-GEM-1212 | 389,007.9 | 3,862,211.2 | 755.0 | Population (Census) | Exported from HARP database |
| 9129 | CS-GEM-1213 | 388,726.5 | 3,862,024.1 | 757.3 | Population (Census) | Exported from HARP database |
| 9130 | CS-GEM-1214 | 389,025.7 | 3,860,571.9 | 748.5 | Population (Census) | Exported from HARP database |
| 9131 | CS-GEM-1215 | 389,137.5 | 3,861,216.4 | 750.5 | Population (Census) | Exported from HARP database |
| 9132 | CS-GEM-1216 | 389,140.8 | 3,861,507.8 | 752.2 | Population (Census) | Exported from HARP database |
| 9133 | CS-GEM-1217 | 389,144.2 | 3,861,708.5 | 752.9 | Population (Census) | Exported from HARP database |
| 9134 | CS-GEM-1218 | 389,042.3 | 3,861,619.1 | 753.3 | Population (Census) | Exported from HARP database |
| 9135 | CS-GEM-1219 | 388,942.6 | 3,861,617.7 | 754.6 | Population (Census) | Exported from HARP database |
| 9136 | CS-GEM-1220 | 388,843.7 | 3,861,726.4 | 755.7 | Population (Census) | Exported from HARP database |
| 9137 | CS-GEM-1221 | 388,741.6 | 3,861,621.4 | 757.1 | Population (Census) | Exported from HARP database |
| 9138 | CS-GEM-1222 | 388,642.2 | 3,861,623.4 | 758.0 | Population (Census) | Exported from HARP database |
| 9139 | CS-GEM-1223 | 388,610.4 | 3,861,989.6 | 758.8 | Population (Census) | Exported from HARP database |
| 9140 | CS-GEM-1224 | 388,011.0 | 3,862,148.8 | 765.3 | Population (Census) | Exported from HARP database |
| 9141 | CS-GEM-1225 | 387,577.0 | 3,862,503.6 | 772.2 | Population (Census) | Exported from HARP database |
| 9142 | CS-GEM-1226 | 387,378.6 | 3,862,508.9 | 775.3 | Population (Census) | Exported from HARP database |
| 9143 | CS-GEM-1227 | 387,177.2 | 3,862,512.7 | 776.7 | Population (Census) | Exported from HARP database |
| 9144 | CS-GEM-1228 | 386,975.9 | 3,862,515.7 | 778.3 | Population (Census) | Exported from HARP database |
| 9145 | CS-GEM-1229 | 388,736.7 | 3,861,222.1 | 755.3 | Population (Census) | Exported from HARP database |
| 9146 | CS-GEM-1230 | 388,837.2 | 3,861,221.4 | 754.4 | Population (Census) | Exported from HARP database |
| 9147 | CS-GEM-1231 | 388,841.4 | 3,861,526.1 | 755.6 | Population (Census) | Exported from HARP database |
| 9148 | CS-GEM-1232 | 388,937.7 | 3,861,218.7 | 753.0 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 9149 | CS-GEM-1233 | 389,037.4 | 3,861,218.1 | 751.6 | Population (Census) | Exported from HARP database |
| 9150 | CS-GEM-1234 | 388,544.2 | 3,861,624.4 | 758.7 | Population (Census) | Exported from HARP database |
| 9151 | CS-GEM-1235 | 388,537.8 | 3,861,225.3 | 756.2 | Population (Census) | Exported from HARP database |
| 9152 | CS-GEM-1236 | 388,636.0 | 3,861,223.8 | 755.8 | Population (Census) | Exported from HARP database |
| 9153 | CS-GEM-1237 | 392,077.6 | 3,860,782.0 | 898.9 | Population (Census) | Exported from HARP database |
| 9154 | CS-GEM-1238 | 392,305.8 | 3,861,023.9 | 810.8 | Population (Census) | Exported from HARP database |
| 9155 | CS-GEM-1239 | 390,470.7 | 3,860,431.9 | 750.7 | Population (Census) | Exported from HARP database |
| 9156 | CS-GEM-1240 | 390,394.5 | 3,860,941.4 | 753.6 | Population (Census) | Exported from HARP database |
| 9157 | CS-GEM-1241 | 390,118.1 | 3,860,590.6 | 749.4 | Population (Census) | Exported from HARP database |
| 9158 | CS-GEM-1242 | 390,180.6 | 3,862,183.2 | 757.1 | Population (Census) | Exported from HARP database |
| 9159 | CS-GEM-1243 | 385,575.3 | 3,862,986.5 | 795.8 | Population (Census) | Exported from HARP database |
| 9160 | CS-GEM-1244 | 384,841.5 | 3,863,089.4 | 801.6 | Population (Census) | Exported from HARP database |
| 9161 | CS-GEM-1245 | 384,755.8 | 3,863,745.6 | 810.8 | Population (Census) | Exported from HARP database |
| 9162 | CS-GEM-1246 | 381,340.8 | 3,862,959.0 | 813.9 | Population (Census) | Exported from HARP database |
| 9163 | CS-GEM-1247 | 383,232.1 | 3,863,108.6 | 810.9 | Population (Census) | Exported from HARP database |
| 9164 | CS-GEM-1248 | 384,034.4 | 3,863,100.0 | 804.6 | Population (Census) | Exported from HARP database |
| 9165 | CS-GEM-1249 | 383,482.0 | 3,865,438.0 | 834.4 | Population (Census) | Exported from HARP database |
| 9166 | CS-GEM-1250 | 391,829.3 | 3,861,817.0 | 776.1 | Population (Census) | Exported from HARP database |
| 9167 | CS-GEM-1251 | 387,239.3 | 3,867,601.8 | 858.9 | Population (Census) | Exported from HARP database |
| 9168 | CS-GEM-1252 | 387,145.0 | 3,867,605.7 | 859.8 | Population (Census) | Exported from HARP database |
| 9169 | CS-GEM-1253 | 380,007.1 | 3,865,184.4 | 864.1 | Population (Census) | Exported from HARP database |
| 9170 | CS-GEM-1254 | 379,498.8 | 3,867,281.7 | 908.3 | Population (Census) | Exported from HARP database |
| 9171 | CS-GEM-1255 | 379,398.8 | 3,867,485.5 | 914.5 | Population (Census) | Exported from HARP database |
| 9172 | CS-GEM-1256 | 379,296.9 | 3,867,687.3 | 920.4 | Population (Census) | Exported from HARP database |
| 9173 | CS-GEM-1257 | 379,094.9 | 3,867,687.6 | 925.9 | Population (Census) | Exported from HARP database |
| 9174 | CS-GEM-1258 | 378,936.0 | 3,867,679.1 | 930.7 | Population (Census) | Exported from HARP database |
| 9175 | CS-GEM-1259 | 378,838.2 | 3,867,697.9 | 934.1 | Population (Census) | Exported from HARP database |
| 9176 | CS-GEM-1260 | 378,829.3 | 3,867,487.2 | 931.5 | Population (Census) | Exported from HARP database |
| 9177 | CS-GEM-1261 | 378,934.4 | 3,867,487.4 | 928.2 | Population (Census) | Exported from HARP database |
| 9178 | CS-GEM-1262 | 379,094.8 | 3,867,486.6 | 923.2 | Population (Census) | Exported from HARP database |
| 9179 | CS-GEM-1263 | 379,094.6 | 3,867,285.3 | 919.5 | Population (Census) | Exported from HARP database |
| 9180 | CS-GEM-1264 | 379,296.2 | 3,867,284.4 | 914.0 | Population (Census) | Exported from HARP database |
| 9181 | CS-GEM-1265 | 379,295.8 | 3,867,082.8 | 911.0 | Population (Census) | Exported from HARP database |
| 9182 | CS-GEM-1266 | 379,497.3 | 3,867,080.5 | 905.7 | Population (Census) | Exported from HARP database |
| 9183 | CS-GEM-1267 | 379,396.5 | 3,866,878.9 | 904.1 | Population (Census) | Exported from HARP database |
| 9184 | CS-GEM-1268 | 379,116.4 | 3,866,937.8 | 911.0 | Population (Census) | Exported from HARP database |
| 9185 | CS-GEM-1269 | 379,094.0 | 3,867,083.6 | 915.5 | Population (Census) | Exported from HARP database |
| 9186 | CS-GEM-1270 | 378,944.0 | 3,867,084.2 | 918.0 | Population (Census) | Exported from HARP database |
| 9187 | CS-GEM-1271 | 378,939.7 | 3,867,289.0 | 924.3 | Population (Census) | Exported from HARP database |
| 9188 | CS-GEM-1272 | 378,837.0 | 3,867,179.9 | 922.7 | Population (Census) | Exported from HARP database |
| 9189 | CS-GEM-1273 | 378,913.9 | 3,866,881.0 | 914.0 | Population (Census) | Exported from HARP database |
| 9190 | CS-GEM-1274 | 379,499.5 | 3,867,686.8 | 915.2 | Population (Census) | Exported from HARP database |
| 9191 | CS-GEM-1275 | 379,113.5 | 3,866,823.8 | 908.5 | Population (Census) | Exported from HARP database |
| 9192 | CS-GEM-1276 | 379,153.3 | 3,866,679.2 | 904.0 | Population (Census) | Exported from HARP database |
| 9193 | CS-GEM-1277 | 378,887.1 | 3,866,679.5 | 909.7 | Population (Census) | Exported from HARP database |
| 9194 | CS-GEM-1278 | 378,928.3 | 3,866,367.4 | 905.2 | Population (Census) | Exported from HARP database |
| 9195 | CS-GEM-1279 | 379,086.6 | 3,866,479.3 | 902.3 | Population (Census) | Exported from HARP database |
| 9196 | CS-GEM-1280 | 379,247.6 | 3,866,475.7 | 898.2 | Population (Census) | Exported from HARP database |
| 9197 | CS-GEM-1281 | 379,353.4 | 3,866,477.0 | 896.1 | Population (Census) | Exported from HARP database |
| 9198 | CS-GEM-1282 | 379,354.9 | 3,866,677.9 | 900.0 | Population (Census) | Exported from HARP database |
| 9199 | CS-GEM-1283 | 379,496.8 | 3,866,677.0 | 898.1 | Population (Census) | Exported from HARP database |
| 9200 | CS-GEM-1284 | 379,496.1 | 3,866,476.8 | 892.7 | Population (Census) | Exported from HARP database |
| 9201 | CS-GEM-1285 | 379,495.8 | 3,866,274.6 | 889.6 | Population (Census) | Exported from HARP database |
| 9202 | CS-GEM-1286 | 379,352.2 | 3,866,275.3 | 893.3 | Population (Census) | Exported from HARP database |
| 9203 | CS-GEM-1287 | 379,241.9 | 3,866,275.4 | 896.9 | Population (Census) | Exported from HARP database |
| 9204 | CS-GEM-1288 | 379,080.7 | 3,866,276.2 | 901.0 | Population (Census) | Exported from HARP database |
| 9205 | CS-GEM-1289 | 379,082.4 | 3,866,073.6 | 896.9 | Population (Census) | Exported from HARP database |
| 9206 | CS-GEM-1290 | 379,244.7 | 3,866,075.8 | 892.7 | Population (Census) | Exported from HARP database |
| 9207 | CS-GEM-1291 | 379,352.0 | 3,866,073.9 | 890.3 | Population (Census) | Exported from HARP database |
| 9208 | CS-GEM-1292 | 378,825.9 | 3,866,398.2 | 908.7 | Population (Census) | Exported from HARP database |
| 9209 | CS-GEM-1293 | 378,810.2 | 3,866,078.0 | 903.0 | Population (Census) | Exported from HARP database |
| 9210 | CS-GEM-1294 | 378,913.9 | 3,866,075.5 | 900.9 | Population (Census) | Exported from HARP database |
| 9211 | CS-GEM-1295 | 387,401.4 | 3,867,299.7 | 856.1 | Population (Census) | Exported from HARP database |
| 9212 | CS-GEM-1296 | 377,868.9 | 3,864,867.9 | 890.9 | Population (Census) | Exported from HARP database |
| 9213 | CS-GEM-1297 | 377,669.2 | 3,864,870.8 | 892.5 | Population (Census) | Exported from HARP database |
| 9214 | CS-GEM-1298 | 377,664.9 | 3,865,071.4 | 897.9 | Population (Census) | Exported from HARP database |
| 9215 | CS-GEM-1299 | 377,463.2 | 3,865,073.5 | 900.0 | Population (Census) | Exported from HARP database |
| 9216 | CS-GEM-1300 | 382,201.0 | 3,867,656.7 | 873.7 | Population (Census) | Exported from HARP database |
| 9217 | CS-GEM-1301 | 382,203.0 | 3,867,857.9 | 877.2 | Population (Census) | Exported from HARP database |
| 9218 | CS-GEM-1302 | 382,203.0 | 3,868,059.1 | 881.0 | Population (Census) | Exported from HARP database |
| 9219 | CS-GEM-1303 | 381,290.3 | 3,864,744.5 | 836.7 | Population (Census) | Exported from HARP database |
| 9220 | CS-GEM-1304 | 375,532.3 | 3,864,226.2 | 898.5 | Population (Census) | Exported from HARP database |
| 9221 | CS-GEM-1305 | 377,671.3 | 3,864,661.2 | 887.8 | Population (Census) | Exported from HARP database |
| 9222 | CS-GEM-1306 | 377,873.1 | 3,864,660.7 | 885.4 | Population (Census) | Exported from HARP database |
| 9223 | CS-GEM-1307 | 377,675.9 | 3,864,458.2 | 882.1 | Population (Census) | Exported from HARP database |
| 9224 | CS-GEM-1308 | 372,501.9 | 3,861,828.8 | 872.2 | Population (Census) | Exported from HARP database |
| 9225 | CS-GEM-1309 | 373,479.3 | 3,862,207.7 | 871.8 | Population (Census) | Exported from HARP database |
| 9226 | CS-GEM-1310 | 373,932.6 | 3,862,456.4 | 874.8 | Population (Census) | Exported from HARP database |
| 9227 | CS-GEM-1311 | 373,874.7 | 3,862,850.8 | 886.8 | Population (Census) | Exported from HARP database |
| 9228 | CS-GEM-1312 | 374,721.9 | 3,862,287.6 | 861.8 | Population (Census) | Exported from HARP database |
| 9229 | CS-GEM-1313 | 379,712.3 | 3,870,087.4 | 957.8 | Population (Census) | Exported from HARP database |
| 9230 | CS-GEM-1314 | 374,790.1 | 3,864,635.8 | 920.3 | Population (Census) | Exported from HARP database |
| 9231 | CS-GEM-1315 | 374,492.4 | 3,865,442.1 | 955.8 | Population (Census) | Exported from HARP database |
| 9232 | CS-GEM-1316 | 375,230.6 | 3,865,762.4 | 956.3 | Population (Census) | Exported from HARP database |
| 9233 | CS-GEM-1317 | 374,752.6 | 3,865,548.7 | 956.0 | Population (Census) | Exported from HARP database |
| 9234 | CS-GEM-1318 | 376,988.0 | 3,866,703.2 | 957.8 | Population (Census) | Exported from HARP database |
| 9235 | CS-GEM-1319 | 376,745.6 | 3,866,588.8 | 956.7 | Population (Census) | Exported from HARP database |
| 9236 | CS-GEM-1320 | 376,913.0 | 3,866,667.8 | 957.6 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 9237 | CS-GEM-1321 | 377,114.1 | 3,866,770.3 | 957.4 | Population (Census) | Exported from HARP database |
| 9238 | CS-GEM-1322 | 377,512.0 | 3,867,138.3 | 957.0 | Population (Census) | Exported from HARP database |
| 9239 | CS-GEM-1323 | 377,762.7 | 3,867,546.8 | 957.1 | Population (Census) | Exported from HARP database |
| 9240 | CS-GEM-1324 | 389,998.7 | 3,860,084.0 | 737.1 | Population (Census) | Exported from HARP database |
| 9241 | CS-GEM-1325 | 389,832.9 | 3,859,974.8 | 738.2 | Population (Census) | Exported from HARP database |
| 9242 | CS-GEM-1326 | 389,573.4 | 3,860,002.6 | 740.5 | Population (Census) | Exported from HARP database |
| 9243 | CS-GEM-1327 | 389,374.6 | 3,860,006.0 | 742.6 | Population (Census) | Exported from HARP database |
| 9244 | CS-GEM-1328 | 388,955.9 | 3,860,002.5 | 745.0 | Population (Census) | Exported from HARP database |
| 9245 | CS-GEM-1329 | 388,697.6 | 3,860,182.5 | 748.4 | Population (Census) | Exported from HARP database |
| 9246 | CS-GEM-1330 | 388,560.7 | 3,860,044.2 | 747.3 | Population (Census) | Exported from HARP database |
| 9247 | CS-GEM-1331 | 388,867.6 | 3,859,712.0 | 743.0 | Population (Census) | Exported from HARP database |
| 9248 | CS-GEM-1332 | 389,371.5 | 3,859,604.6 | 738.9 | Population (Census) | Exported from HARP database |
| 9249 | CS-GEM-1333 | 389,572.3 | 3,859,601.6 | 738.1 | Population (Census) | Exported from HARP database |
| 9250 | CS-GEM-1334 | 389,876.5 | 3,859,599.7 | 734.9 | Population (Census) | Exported from HARP database |
| 9251 | CS-GEM-1335 | 389,667.2 | 3,859,297.5 | 733.5 | Population (Census) | Exported from HARP database |
| 9252 | CS-GEM-1336 | 389,165.6 | 3,859,203.2 | 737.4 | Population (Census) | Exported from HARP database |
| 9253 | CS-GEM-1337 | 388,873.2 | 3,859,511.5 | 741.2 | Population (Census) | Exported from HARP database |
| 9254 | CS-GEM-1338 | 388,813.2 | 3,859,264.7 | 738.7 | Population (Census) | Exported from HARP database |
| 9255 | CS-GEM-1339 | 388,668.2 | 3,859,124.2 | 737.1 | Population (Census) | Exported from HARP database |
| 9256 | CS-GEM-1340 | 388,966.4 | 3,858,815.3 | 733.4 | Population (Census) | Exported from HARP database |
| 9257 | CS-GEM-1341 | 389,006.8 | 3,858,610.6 | 731.4 | Population (Census) | Exported from HARP database |
| 9258 | CS-GEM-1342 | 389,156.1 | 3,858,608.3 | 730.8 | Population (Census) | Exported from HARP database |
| 9259 | CS-GEM-1343 | 389,163.5 | 3,858,811.8 | 733.3 | Population (Census) | Exported from HARP database |
| 9260 | CS-GEM-1344 | 389,292.7 | 3,858,808.9 | 732.8 | Population (Census) | Exported from HARP database |
| 9261 | CS-GEM-1345 | 389,673.6 | 3,859,102.8 | 730.7 | Population (Census) | Exported from HARP database |
| 9262 | CS-GEM-1346 | 389,389.6 | 3,858,899.0 | 732.5 | Population (Census) | Exported from HARP database |
| 9263 | CS-GEM-1347 | 389,347.5 | 3,858,899.4 | 733.0 | Population (Census) | Exported from HARP database |
| 9264 | CS-GEM-1348 | 389,367.0 | 3,858,696.1 | 731.2 | Population (Census) | Exported from HARP database |
| 9265 | CS-GEM-1349 | 389,474.1 | 3,858,795.5 | 731.2 | Population (Census) | Exported from HARP database |
| 9266 | CS-GEM-1350 | 389,799.8 | 3,858,804.6 | 728.0 | Population (Census) | Exported from HARP database |
| 9267 | CS-GEM-1351 | 390,003.7 | 3,858,948.3 | 728.2 | Population (Census) | Exported from HARP database |
| 9268 | CS-GEM-1352 | 389,706.1 | 3,858,709.6 | 728.2 | Population (Census) | Exported from HARP database |
| 9269 | CS-GEM-1353 | 389,688.2 | 3,858,715.4 | 728.4 | Population (Census) | Exported from HARP database |
| 9270 | CS-GEM-1354 | 389,758.7 | 3,858,721.2 | 727.8 | Population (Census) | Exported from HARP database |
| 9271 | CS-GEM-1355 | 389,741.3 | 3,858,692.3 | 727.8 | Population (Census) | Exported from HARP database |
| 9272 | CS-GEM-1356 | 389,695.7 | 3,858,834.0 | 729.3 | Population (Census) | Exported from HARP database |
| 9273 | CS-GEM-1357 | 389,724.8 | 3,858,707.3 | 728.0 | Population (Census) | Exported from HARP database |
| 9274 | CS-GEM-1358 | 389,729.2 | 3,858,812.4 | 728.9 | Population (Census) | Exported from HARP database |
| 9275 | CS-GEM-1359 | 390,003.6 | 3,858,835.9 | 727.1 | Population (Census) | Exported from HARP database |
| 9276 | CS-GEM-1360 | 390,003.5 | 3,858,723.8 | 726.4 | Population (Census) | Exported from HARP database |
| 9277 | CS-GEM-1361 | 389,859.1 | 3,858,598.6 | 726.2 | Population (Census) | Exported from HARP database |
| 9278 | CS-GEM-1362 | 389,705.8 | 3,858,159.6 | 723.6 | Population (Census) | Exported from HARP database |
| 9279 | CS-GEM-1363 | 389,487.2 | 3,858,603.1 | 729.1 | Population (Census) | Exported from HARP database |
| 9280 | CS-GEM-1364 | 389,368.4 | 3,858,604.5 | 730.1 | Population (Census) | Exported from HARP database |
| 9281 | CS-GEM-1365 | 389,291.5 | 3,858,605.9 | 730.4 | Population (Census) | Exported from HARP database |
| 9282 | CS-GEM-1366 | 389,360.9 | 3,858,393.3 | 727.4 | Population (Census) | Exported from HARP database |
| 9283 | CS-GEM-1367 | 389,338.5 | 3,858,527.7 | 729.2 | Population (Census) | Exported from HARP database |
| 9284 | CS-GEM-1368 | 388,980.7 | 3,858,186.8 | 726.7 | Population (Census) | Exported from HARP database |
| 9285 | CS-GEM-1369 | 389,186.0 | 3,858,529.5 | 729.8 | Population (Census) | Exported from HARP database |
| 9286 | CS-GEM-1370 | 389,119.7 | 3,858,529.6 | 730.0 | Population (Census) | Exported from HARP database |
| 9287 | CS-GEM-1371 | 388,951.9 | 3,858,351.9 | 728.3 | Population (Census) | Exported from HARP database |
| 9288 | CS-GEM-1372 | 388,788.6 | 3,858,614.1 | 731.7 | Population (Census) | Exported from HARP database |
| 9289 | CS-GEM-1373 | 388,662.3 | 3,858,829.5 | 734.3 | Population (Census) | Exported from HARP database |
| 9290 | CS-GEM-1374 | 388,646.6 | 3,857,600.8 | 721.7 | Population (Census) | Exported from HARP database |
| 9291 | CS-GEM-1375 | 388,576.9 | 3,858,207.9 | 727.1 | Population (Census) | Exported from HARP database |
| 9292 | CS-GEM-1376 | 388,491.4 | 3,858,618.6 | 732.4 | Population (Census) | Exported from HARP database |
| 9293 | CS-GEM-1377 | 388,620.4 | 3,858,616.7 | 732.2 | Population (Census) | Exported from HARP database |
| 9294 | CS-GEM-1378 | 389,453.2 | 3,857,679.6 | 721.0 | Population (Census) | Exported from HARP database |
| 9295 | CS-GEM-1379 | 389,055.9 | 3,857,597.1 | 721.4 | Population (Census) | Exported from HARP database |
| 9296 | CS-GEM-1380 | 389,906.7 | 3,857,405.7 | 718.1 | Population (Census) | Exported from HARP database |
| 9297 | CS-GEM-1381 | 390,204.1 | 3,857,303.1 | 716.6 | Population (Census) | Exported from HARP database |
| 9298 | CS-GEM-1382 | 390,125.6 | 3,857,394.6 | 717.2 | Population (Census) | Exported from HARP database |
| 9299 | CS-GEM-1383 | 390,076.3 | 3,857,619.8 | 718.4 | Population (Census) | Exported from HARP database |
| 9300 | CS-GEM-1384 | 389,659.6 | 3,857,184.6 | 718.0 | Population (Census) | Exported from HARP database |
| 9301 | CS-GEM-1385 | 390,440.4 | 3,856,565.5 | 715.0 | Population (Census) | Exported from HARP database |
| 9302 | CS-GEM-1386 | 390,835.9 | 3,856,869.0 | 714.4 | Population (Census) | Exported from HARP database |
| 9303 | CS-GEM-1387 | 390,656.0 | 3,857,069.8 | 714.7 | Population (Census) | Exported from HARP database |
| 9304 | CS-GEM-1388 | 390,296.7 | 3,857,316.9 | 716.4 | Population (Census) | Exported from HARP database |
| 9305 | CS-GEM-1389 | 390,308.4 | 3,857,384.3 | 716.6 | Population (Census) | Exported from HARP database |
| 9306 | CS-GEM-1390 | 390,403.4 | 3,857,344.4 | 716.3 | Population (Census) | Exported from HARP database |
| 9307 | CS-GEM-1391 | 390,725.3 | 3,857,371.2 | 715.7 | Population (Census) | Exported from HARP database |
| 9308 | CS-GEM-1392 | 390,851.4 | 3,857,276.2 | 714.9 | Population (Census) | Exported from HARP database |
| 9309 | CS-GEM-1393 | 390,670.6 | 3,857,271.6 | 715.1 | Population (Census) | Exported from HARP database |
| 9310 | CS-GEM-1394 | 390,572.9 | 3,857,176.1 | 715.5 | Population (Census) | Exported from HARP database |
| 9311 | CS-GEM-1395 | 389,220.3 | 3,855,278.7 | 716.9 | Population (Census) | Exported from HARP database |
| 9312 | CS-GEM-1396 | 389,246.5 | 3,856,181.1 | 717.0 | Population (Census) | Exported from HARP database |
| 9313 | CS-GEM-1397 | 389,150.3 | 3,857,191.7 | 719.0 | Population (Census) | Exported from HARP database |
| 9314 | CS-GEM-1398 | 388,946.5 | 3,857,193.9 | 719.4 | Population (Census) | Exported from HARP database |
| 9315 | CS-GEM-1399 | 388,643.5 | 3,857,197.1 | 720.4 | Population (Census) | Exported from HARP database |
| 9316 | CS-GEM-1400 | 389,231.3 | 3,854,980.9 | 717.2 | Population (Census) | Exported from HARP database |
| 9317 | CS-GEM-1401 | 388,825.0 | 3,854,678.6 | 719.2 | Population (Census) | Exported from HARP database |
| 9318 | CS-GEM-1402 | 388,798.5 | 3,854,184.8 | 719.1 | Population (Census) | Exported from HARP database |
| 9319 | CS-GEM-1403 | 390,487.0 | 3,856,961.4 | 714.8 | Population (Census) | Exported from HARP database |
| 9320 | CS-GEM-1404 | 390,828.9 | 3,856,589.5 | 713.9 | Population (Census) | Exported from HARP database |
| 9321 | CS-GEM-1405 | 388,910.1 | 3,858,612.1 | 731.5 | Population (Census) | Exported from HARP database |
| 9322 | CS-GEM-1406 | 390,073.3 | 3,858,173.1 | 721.8 | Population (Census) | Exported from HARP database |
| 9323 | CS-GEM-1407 | 392,078.3 | 3,860,028.7 | 811.3 | Population (Census) | Exported from HARP database |
| 9324 | CS-GEM-1408 | 391,512.2 | 3,860,008.5 | 761.7 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 9325 | CS-GEM-1409 | 391,138.2 | 3,860,021.9 | 746.5 | Population (Census) | Exported from HARP database |
| 9326 | CS-GEM-1410 | 390,898.2 | 3,860,098.0 | 740.8 | Population (Census) | Exported from HARP database |
| 9327 | CS-GEM-1411 | 390,399.7 | 3,860,008.9 | 736.0 | Population (Census) | Exported from HARP database |
| 9328 | CS-GEM-1412 | 391,851.8 | 3,859,723.1 | 752.0 | Population (Census) | Exported from HARP database |
| 9329 | CS-GEM-1413 | 391,890.1 | 3,859,448.9 | 726.5 | Population (Census) | Exported from HARP database |
| 9330 | CS-GEM-1414 | 391,586.2 | 3,859,605.2 | 738.2 | Population (Census) | Exported from HARP database |
| 9331 | CS-GEM-1415 | 391,407.1 | 3,859,614.0 | 734.0 | Population (Census) | Exported from HARP database |
| 9332 | CS-GEM-1416 | 391,288.1 | 3,859,803.9 | 740.9 | Population (Census) | Exported from HARP database |
| 9333 | CS-GEM-1417 | 391,106.5 | 3,859,609.6 | 732.9 | Population (Census) | Exported from HARP database |
| 9334 | CS-GEM-1418 | 390,697.4 | 3,859,707.2 | 733.9 | Population (Census) | Exported from HARP database |
| 9335 | CS-GEM-1419 | 390,287.0 | 3,859,705.2 | 732.9 | Population (Census) | Exported from HARP database |
| 9336 | CS-GEM-1420 | 390,283.7 | 3,859,498.6 | 731.3 | Population (Census) | Exported from HARP database |
| 9337 | CS-GEM-1421 | 390,697.7 | 3,859,500.3 | 730.7 | Population (Census) | Exported from HARP database |
| 9338 | CS-GEM-1422 | 390,656.4 | 3,859,297.9 | 728.3 | Population (Census) | Exported from HARP database |
| 9339 | CS-GEM-1423 | 390,950.2 | 3,859,357.7 | 727.0 | Population (Census) | Exported from HARP database |
| 9340 | CS-GEM-1424 | 391,159.9 | 3,859,259.4 | 723.6 | Population (Census) | Exported from HARP database |
| 9341 | CS-GEM-1425 | 391,406.9 | 3,859,358.4 | 723.9 | Population (Census) | Exported from HARP database |
| 9342 | CS-GEM-1426 | 391,470.4 | 3,859,314.3 | 721.5 | Population (Census) | Exported from HARP database |
| 9343 | CS-GEM-1427 | 391,464.7 | 3,859,256.4 | 720.7 | Population (Census) | Exported from HARP database |
| 9344 | CS-GEM-1428 | 391,645.5 | 3,859,324.0 | 721.2 | Population (Census) | Exported from HARP database |
| 9345 | CS-GEM-1429 | 391,676.0 | 3,859,398.1 | 723.8 | Population (Census) | Exported from HARP database |
| 9346 | CS-GEM-1430 | 391,974.9 | 3,858,975.9 | 715.8 | Population (Census) | Exported from HARP database |
| 9347 | CS-GEM-1431 | 392,040.7 | 3,859,153.7 | 716.0 | Population (Census) | Exported from HARP database |
| 9348 | CS-GEM-1432 | 391,528.4 | 3,859,125.5 | 720.5 | Population (Census) | Exported from HARP database |
| 9349 | CS-GEM-1433 | 391,700.7 | 3,858,709.0 | 717.5 | Population (Census) | Exported from HARP database |
| 9350 | CS-GEM-1434 | 391,702.4 | 3,858,927.8 | 718.4 | Population (Census) | Exported from HARP database |
| 9351 | CS-GEM-1435 | 391,669.9 | 3,858,931.7 | 718.7 | Population (Census) | Exported from HARP database |
| 9352 | CS-GEM-1436 | 391,555.1 | 3,858,909.2 | 719.2 | Population (Census) | Exported from HARP database |
| 9353 | CS-GEM-1437 | 391,261.2 | 3,858,884.0 | 721.1 | Population (Census) | Exported from HARP database |
| 9354 | CS-GEM-1438 | 391,014.0 | 3,858,870.0 | 723.1 | Population (Census) | Exported from HARP database |
| 9355 | CS-GEM-1439 | 390,700.4 | 3,859,104.7 | 726.8 | Population (Census) | Exported from HARP database |
| 9356 | CS-GEM-1440 | 390,283.4 | 3,858,900.4 | 726.0 | Population (Census) | Exported from HARP database |
| 9357 | CS-GEM-1441 | 390,691.8 | 3,858,804.4 | 724.6 | Population (Census) | Exported from HARP database |
| 9358 | CS-GEM-1442 | 390,900.9 | 3,858,788.0 | 723.2 | Population (Census) | Exported from HARP database |
| 9359 | CS-GEM-1443 | 390,258.7 | 3,858,597.0 | 723.9 | Population (Census) | Exported from HARP database |
| 9360 | CS-GEM-1444 | 390,592.9 | 3,858,599.7 | 722.9 | Population (Census) | Exported from HARP database |
| 9361 | CS-GEM-1445 | 390,786.3 | 3,858,601.9 | 722.3 | Population (Census) | Exported from HARP database |
| 9362 | CS-GEM-1446 | 391,052.5 | 3,858,605.9 | 720.9 | Population (Census) | Exported from HARP database |
| 9363 | CS-GEM-1447 | 391,019.4 | 3,858,679.3 | 721.8 | Population (Census) | Exported from HARP database |
| 9364 | CS-GEM-1448 | 391,624.9 | 3,858,710.0 | 717.9 | Population (Census) | Exported from HARP database |
| 9365 | CS-GEM-1449 | 391,626.6 | 3,858,611.1 | 716.7 | Population (Census) | Exported from HARP database |
| 9366 | CS-GEM-1450 | 391,799.6 | 3,858,613.1 | 716.4 | Population (Census) | Exported from HARP database |
| 9367 | CS-GEM-1451 | 391,402.2 | 3,858,608.7 | 718.3 | Population (Census) | Exported from HARP database |
| 9368 | CS-GEM-1452 | 390,788.4 | 3,858,489.8 | 721.5 | Population (Census) | Exported from HARP database |
| 9369 | CS-GEM-1453 | 390,603.0 | 3,858,449.9 | 721.6 | Population (Census) | Exported from HARP database |
| 9370 | CS-GEM-1454 | 390,279.9 | 3,858,190.2 | 721.0 | Population (Census) | Exported from HARP database |
| 9371 | CS-GEM-1455 | 390,174.6 | 3,857,592.7 | 718.0 | Population (Census) | Exported from HARP database |
| 9372 | CS-GEM-1456 | 390,303.4 | 3,857,761.5 | 719.0 | Population (Census) | Exported from HARP database |
| 9373 | CS-GEM-1457 | 390,475.1 | 3,857,674.0 | 717.8 | Population (Census) | Exported from HARP database |
| 9374 | CS-GEM-1458 | 390,561.4 | 3,857,764.6 | 718.0 | Population (Census) | Exported from HARP database |
| 9375 | CS-GEM-1459 | 390,693.1 | 3,858,019.9 | 719.2 | Population (Census) | Exported from HARP database |
| 9376 | CS-GEM-1460 | 390,844.7 | 3,858,355.0 | 720.4 | Population (Census) | Exported from HARP database |
| 9377 | CS-GEM-1461 | 390,670.3 | 3,857,561.1 | 716.3 | Population (Census) | Exported from HARP database |
| 9378 | CS-GEM-1462 | 390,788.2 | 3,857,714.9 | 716.8 | Population (Census) | Exported from HARP database |
| 9379 | CS-GEM-1463 | 390,820.1 | 3,857,526.8 | 715.8 | Population (Census) | Exported from HARP database |
| 9380 | CS-GEM-1464 | 390,479.0 | 3,857,493.9 | 716.8 | Population (Census) | Exported from HARP database |
| 9381 | CS-GEM-1465 | 390,327.7 | 3,857,585.4 | 717.7 | Population (Census) | Exported from HARP database |
| 9382 | CS-GEM-1466 | 390,642.4 | 3,858,273.0 | 720.3 | Population (Census) | Exported from HARP database |
| 9383 | CS-GEM-1467 | 391,799.3 | 3,858,510.0 | 716.2 | Population (Census) | Exported from HARP database |
| 9384 | CS-GEM-1468 | 391,289.1 | 3,858,202.7 | 717.4 | Population (Census) | Exported from HARP database |
| 9385 | CS-GEM-1469 | 391,768.4 | 3,858,307.7 | 714.8 | Population (Census) | Exported from HARP database |
| 9386 | CS-GEM-1470 | 391,550.0 | 3,857,719.7 | 713.7 | Population (Census) | Exported from HARP database |
| 9387 | CS-GEM-1471 | 391,190.9 | 3,857,770.7 | 716.0 | Population (Census) | Exported from HARP database |
| 9388 | CS-GEM-1472 | 391,073.5 | 3,857,659.3 | 715.7 | Population (Census) | Exported from HARP database |
| 9389 | CS-GEM-1473 | 391,405.1 | 3,857,626.5 | 714.2 | Population (Census) | Exported from HARP database |
| 9390 | CS-GEM-1474 | 391,311.7 | 3,857,408.1 | 713.9 | Population (Census) | Exported from HARP database |
| 9391 | CS-GEM-1475 | 391,030.3 | 3,857,483.5 | 714.7 | Population (Census) | Exported from HARP database |
| 9392 | CS-GEM-1476 | 391,164.4 | 3,857,437.9 | 714.4 | Population (Census) | Exported from HARP database |
| 9393 | CS-GEM-1477 | 391,045.2 | 3,857,307.1 | 713.8 | Population (Census) | Exported from HARP database |
| 9394 | CS-GEM-1478 | 391,078.2 | 3,857,200.0 | 713.7 | Population (Census) | Exported from HARP database |
| 9395 | CS-GEM-1479 | 391,180.7 | 3,857,121.5 | 713.3 | Population (Census) | Exported from HARP database |
| 9396 | CS-GEM-1480 | 390,981.8 | 3,857,120.0 | 713.9 | Population (Census) | Exported from HARP database |
| 9397 | CS-GEM-1481 | 390,981.2 | 3,857,037.0 | 713.4 | Population (Census) | Exported from HARP database |
| 9398 | CS-GEM-1482 | 374,644.2 | 3,866,995.9 | 17.0 | Population (Census) | Exported from HARP database |
| 9399 | CS-GEM-1483 | 375,839.1 | 3,867,624.0 | 7.7 | Population (Census) | Exported from HARP database |
| 9400 | CS-GEM-1484 | 376,703.1 | 3,868,046.9 | 2.8 | Population (Census) | Exported from HARP database |
| 9401 | CS-GEM-1485 | 377,921.2 | 3,867,755.4 | 957.0 | Population (Census) | Exported from HARP database |
| 9402 | CS-GEM-1486 | 377,373.4 | 3,868,000.5 | 977.7 | Population (Census) | Exported from HARP database |
| 9403 | CS-GEM-1487 | 378,365.1 | 3,869,244.4 | 978.3 | Population (Census) | Exported from HARP database |
| 9404 | CS-GEM-1488 | 380,789.7 | 3,871,363.8 | 967.2 | Population (Census) | Exported from HARP database |
| 9405 | CS-GEM-1489 | 381,336.3 | 3,871,525.2 | 959.2 | Population (Census) | Exported from HARP database |
| 9406 | CS-GEM-1490 | 379,189.3 | 3,870,304.1 | 977.9 | Population (Census) | Exported from HARP database |
| 9407 | CS-GEM-1491 | 379,739.2 | 3,870,213.2 | 957.6 | Population (Census) | Exported from HARP database |
| 9408 | CS-GEM-1492 | 379,767.2 | 3,870,393.9 | 960.8 | Population (Census) | Exported from HARP database |
| 9409 | CS-GEM-1493 | 379,878.3 | 3,870,499.6 | 961.7 | Population (Census) | Exported from HARP database |
| 9410 | CS-GEM-1494 | 379,990.1 | 3,871,142.7 | 973.9 | Population (Census) | Exported from HARP database |
| 9411 | CS-GEM-1495 | 380,057.8 | 3,870,584.4 | 958.4 | Population (Census) | Exported from HARP database |
| 9412 | CS-GEM-1496 | 380,484.3 | 3,871,042.1 | 962.6 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 9413 | CS-GEM-1497 | 380,566.1 | 3,870,973.7 | 959.0 | Population (Census) | Exported from HARP database |
| 9414 | CS-GEM-1498 | 378,997.1 | 3,869,712.7 | 967.1 | Population (Census) | Exported from HARP database |
| 9415 | CS-GEM-1499 | 379,177.0 | 3,869,542.2 | 957.7 | Population (Census) | Exported from HARP database |
| 9416 | CS-GEM-1500 | 378,836.3 | 3,868,949.0 | 958.1 | Population (Census) | Exported from HARP database |
| 9417 | CS-GEM-1501 | 378,481.4 | 3,868,424.7 | 957.6 | Population (Census) | Exported from HARP database |
| 9418 | CS-GEM-1502 | 378,416.3 | 3,868,325.3 | 957.3 | Population (Census) | Exported from HARP database |
| 9419 | CS-GEM-1503 | 376,764.9 | 3,869,643.4 | 47.0 | Population (Census) | Exported from HARP database |
| 9420 | CS-GEM-1504 | 377,142.4 | 3,870,024.9 | 42.7 | Population (Census) | Exported from HARP database |
| 9421 | CS-GEM-1505 | 376,531.3 | 3,866,710.6 | 963.4 | Population (Census) | Exported from HARP database |
| 9422 | CS-GEM-1506 | 376,938.2 | 3,867,249.1 | 975.2 | Population (Census) | Exported from HARP database |
| 9423 | CS-GEM-1507 | 377,298.9 | 3,866,916.9 | 956.5 | Population (Census) | Exported from HARP database |
| 9424 | CS-GEM-1508 | 376,622.5 | 3,868,812.6 | 31.0 | Population (Census) | Exported from HARP database |
| 9425 | CS-GEM-1509 | 377,573.1 | 3,869,209.3 | 4.0 | Population (Census) | Exported from HARP database |
| 9426 | CS-GEM-1510 | 373,289.7 | 3,865,718.8 | 979.9 | Population (Census) | Exported from HARP database |
| 9427 | CS-GEM-1511 | 373,156.5 | 3,865,206.5 | 965.2 | Population (Census) | Exported from HARP database |
| 9428 | CS-GEM-1512 | 373,496.7 | 3,865,299.2 | 962.6 | Population (Census) | Exported from HARP database |
| 9429 | CS-GEM-1513 | 373,440.4 | 3,865,749.4 | 980.1 | Population (Census) | Exported from HARP database |
| 9430 | CS-GEM-1514 | 373,301.5 | 3,865,562.2 | 974.7 | Population (Census) | Exported from HARP database |
| 9431 | CS-GEM-1515 | 373,395.1 | 3,865,406.4 | 967.5 | Population (Census) | Exported from HARP database |
| 9432 | CS-GEM-1516 | 373,907.0 | 3,865,902.2 | 978.0 | Population (Census) | Exported from HARP database |
| 9433 | CS-GEM-1517 | 373,838.6 | 3,866,500.0 | 9.2 | Population (Census) | Exported from HARP database |
| 9434 | CS-GEM-1518 | 373,296.2 | 3,865,625.4 | 976.9 | Population (Census) | Exported from HARP database |
| 9435 | CS-GEM-1519 | 373,380.5 | 3,865,641.7 | 975.8 | Population (Census) | Exported from HARP database |
| 9436 | CS-GEM-1520 | 373,482.6 | 3,865,464.2 | 969.4 | Population (Census) | Exported from HARP database |
| 9437 | CS-GEM-1521 | 374,094.3 | 3,865,354.6 | 955.6 | Population (Census) | Exported from HARP database |
| 9438 | CS-GEM-1522 | 374,316.0 | 3,865,717.3 | 968.4 | Population (Census) | Exported from HARP database |
| 9439 | CS-GEM-1523 | 375,167.7 | 3,865,775.8 | 957.9 | Population (Census) | Exported from HARP database |
| 9440 | CS-GEM-1524 | 375,870.0 | 3,866,510.7 | 961.2 | Population (Census) | Exported from HARP database |
| 9441 | CS-GEM-1525 | 376,675.9 | 3,866,620.8 | 958.8 | Population (Census) | Exported from HARP database |
| 9442 | CS-GEM-1526 | 376,447.5 | 3,866,487.0 | 956.5 | Population (Census) | Exported from HARP database |
| 9443 | CS-GEM-1527 | 382,880.7 | 3,871,262.1 | 936.4 | Population (Census) | Exported from HARP database |
| 9444 | CS-GEM-1528 | 384,712.1 | 3,870,939.0 | 920.4 | Population (Census) | Exported from HARP database |
| 9445 | CS-GEM-1529 | 385,675.0 | 3,870,573.1 | 903.9 | Population (Census) | Exported from HARP database |
| 9446 | CS-GEM-1530 | 385,566.7 | 3,869,970.9 | 896.6 | Population (Census) | Exported from HARP database |
| 9447 | CS-GEM-1531 | 386,557.9 | 3,870,271.7 | 897.7 | Population (Census) | Exported from HARP database |
| 9448 | CS-GEM-1532 | 387,055.3 | 3,870,477.4 | 893.2 | Population (Census) | Exported from HARP database |
| 9449 | CS-GEM-1533 | 388,408.6 | 3,869,686.9 | 872.4 | Population (Census) | Exported from HARP database |
| 9450 | CS-GEM-1534 | 388,380.3 | 3,869,020.8 | 865.2 | Population (Census) | Exported from HARP database |
| 9451 | CS-GEM-1535 | 387,503.7 | 3,869,196.7 | 879.3 | Population (Census) | Exported from HARP database |
| 9452 | CS-GEM-1536 | 387,664.6 | 3,869,077.1 | 876.6 | Population (Census) | Exported from HARP database |
| 9453 | CS-GEM-1537 | 387,507.8 | 3,869,399.9 | 881.1 | Population (Census) | Exported from HARP database |
| 9454 | CS-GEM-1538 | 387,319.5 | 3,869,710.1 | 884.5 | Population (Census) | Exported from HARP database |
| 9455 | CS-GEM-1539 | 387,160.3 | 3,870,163.5 | 889.1 | Population (Census) | Exported from HARP database |
| 9456 | CS-GEM-1540 | 386,890.6 | 3,869,936.7 | 891.8 | Population (Census) | Exported from HARP database |
| 9457 | CS-GEM-1541 | 386,765.9 | 3,869,590.7 | 889.1 | Population (Census) | Exported from HARP database |
| 9458 | CS-GEM-1542 | 386,025.4 | 3,869,493.7 | 889.1 | Population (Census) | Exported from HARP database |
| 9459 | CS-GEM-1543 | 385,597.8 | 3,869,778.7 | 894.2 | Population (Census) | Exported from HARP database |
| 9460 | CS-GEM-1544 | 385,302.5 | 3,869,946.3 | 896.5 | Population (Census) | Exported from HARP database |
| 9461 | CS-GEM-1545 | 387,087.4 | 3,869,417.5 | 884.8 | Population (Census) | Exported from HARP database |
| 9462 | CS-GEM-1546 | 387,102.1 | 3,869,201.3 | 881.6 | Population (Census) | Exported from HARP database |
| 9463 | CS-GEM-1547 | 386,646.2 | 3,869,246.2 | 884.7 | Population (Census) | Exported from HARP database |
| 9464 | CS-GEM-1548 | 384,850.3 | 3,869,687.6 | 898.7 | Population (Census) | Exported from HARP database |
| 9465 | CS-GEM-1549 | 385,218.3 | 3,869,910.2 | 895.5 | Population (Census) | Exported from HARP database |
| 9466 | CS-GEM-1550 | 384,460.0 | 3,869,888.6 | 903.5 | Population (Census) | Exported from HARP database |
| 9467 | CS-GEM-1551 | 384,409.4 | 3,869,696.9 | 900.4 | Population (Census) | Exported from HARP database |
| 9468 | CS-GEM-1552 | 383,271.3 | 3,869,161.8 | 953.2 | Population (Census) | Exported from HARP database |
| 9469 | CS-GEM-1553 | 383,177.4 | 3,868,438.1 | 883.1 | Population (Census) | Exported from HARP database |
| 9470 | CS-GEM-1554 | 382,358.7 | 3,869,294.2 | 930.8 | Population (Census) | Exported from HARP database |
| 9471 | CS-GEM-1555 | 382,642.7 | 3,868,366.9 | 913.0 | Population (Census) | Exported from HARP database |
| 9472 | CS-GEM-1556 | 382,673.2 | 3,869,816.1 | 931.4 | Population (Census) | Exported from HARP database |
| 9473 | CS-GEM-1557 | 384,073.4 | 3,868,380.8 | 872.7 | Population (Census) | Exported from HARP database |
| 9474 | CS-GEM-1558 | 384,349.2 | 3,868,509.5 | 876.2 | Population (Census) | Exported from HARP database |
| 9475 | CS-GEM-1559 | 383,792.7 | 3,868,247.7 | 866.4 | Population (Census) | Exported from HARP database |
| 9476 | CS-GEM-1560 | 382,129.2 | 3,869,084.0 | 906.1 | Population (Census) | Exported from HARP database |
| 9477 | CS-GEM-1561 | 382,110.1 | 3,868,646.1 | 894.4 | Population (Census) | Exported from HARP database |
| 9478 | CS-GEM-1562 | 382,204.4 | 3,869,148.9 | 911.3 | Population (Census) | Exported from HARP database |
| 9479 | CS-GEM-1563 | 383,078.9 | 3,868,261.3 | 875.4 | Population (Census) | Exported from HARP database |
| 9480 | CS-GEM-1564 | 382,277.7 | 3,868,441.0 | 889.4 | Population (Census) | Exported from HARP database |
| 9481 | CS-GEM-1565 | 382,283.0 | 3,869,293.1 | 918.4 | Population (Census) | Exported from HARP database |
| 9482 | CS-GEM-1566 | 382,747.0 | 3,869,800.1 | 921.4 | Population (Census) | Exported from HARP database |
| 9483 | CS-GEM-1567 | 382,231.4 | 3,869,254.6 | 916.4 | Population (Census) | Exported from HARP database |
| 9484 | CS-GEM-1568 | 384,270.8 | 3,869,531.1 | 912.8 | Population (Census) | Exported from HARP database |
| 9485 | CS-GEM-1569 | 384,393.7 | 3,869,459.2 | 896.0 | Population (Census) | Exported from HARP database |
| 9486 | CS-GEM-1570 | 382,955.8 | 3,868,243.9 | 874.8 | Population (Census) | Exported from HARP database |
| 9487 | CS-GEM-1571 | 383,551.9 | 3,868,110.9 | 868.2 | Population (Census) | Exported from HARP database |
| 9488 | CS-GEM-1572 | 383,660.1 | 3,870,661.1 | 994.2 | Population (Census) | Exported from HARP database |
| 9489 | CS-GEM-1573 | 383,593.5 | 3,871,527.7 | 937.9 | Population (Census) | Exported from HARP database |
| 9490 | CS-GEM-1574 | 381,716.5 | 3,870,462.5 | 931.8 | Population (Census) | Exported from HARP database |
| 9491 | CS-GEM-1575 | 381,622.5 | 3,871,240.8 | 947.5 | Population (Census) | Exported from HARP database |
| 9492 | CS-GEM-1576 | 384,993.6 | 3,869,015.3 | 886.2 | Population (Census) | Exported from HARP database |
| 9493 | CS-GEM-1577 | 385,232.7 | 3,868,428.5 | 875.8 | Population (Census) | Exported from HARP database |
| 9494 | CS-GEM-1578 | 385,463.5 | 3,868,759.5 | 880.4 | Population (Census) | Exported from HARP database |
| 9495 | CS-GEM-1579 | 385,558.8 | 3,868,561.6 | 879.3 | Population (Census) | Exported from HARP database |
| 9496 | CS-GEM-1580 | 385,532.7 | 3,868,373.8 | 876.9 | Population (Census) | Exported from HARP database |
| 9497 | CS-GEM-1581 | 385,378.9 | 3,868,957.8 | 884.1 | Population (Census) | Exported from HARP database |
| 9498 | CS-GEM-1582 | 384,551.9 | 3,868,952.8 | 900.9 | Population (Census) | Exported from HARP database |
| 9499 | CS-GEM-1583 | 384,522.8 | 3,869,140.8 | 890.5 | Population (Census) | Exported from HARP database |
| 9500 | CS-GEM-1584 | 382,115.7 | 3,868,972.1 | 903.1 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 9501 | CS-GEM-1585 | 382,052.6 | 3,869,090.7 | 905.1 | Population (Census) | Exported from HARP database |
| 9502 | CS-GEM-1586 | 381,887.7 | 3,869,651.3 | 911.4 | Population (Census) | Exported from HARP database |
| 9503 | CS-GEM-1587 | 382,130.2 | 3,869,152.7 | 909.2 | Population (Census) | Exported from HARP database |
| 9504 | CS-GEM-1588 | 385,871.7 | 3,868,726.9 | 880.9 | Population (Census) | Exported from HARP database |
| 9505 | CS-GEM-1589 | 386,160.6 | 3,868,995.6 | 882.1 | Population (Census) | Exported from HARP database |
| 9506 | CS-GEM-1590 | 386,407.6 | 3,868,687.3 | 879.1 | Population (Census) | Exported from HARP database |
| 9507 | CS-GEM-1591 | 386,791.7 | 3,868,703.9 | 878.1 | Population (Census) | Exported from HARP database |
| 9508 | CS-GEM-1592 | 387,097.2 | 3,868,701.4 | 875.3 | Population (Census) | Exported from HARP database |
| 9509 | CS-GEM-1593 | 389,402.5 | 3,868,475.7 | 848.5 | Population (Census) | Exported from HARP database |
| 9510 | CS-GEM-1594 | 384,681.3 | 3,868,582.8 | 879.6 | Population (Census) | Exported from HARP database |
| 9511 | CS-GEM-1595 | 381,084.8 | 3,870,857.3 | 949.9 | Population (Census) | Exported from HARP database |
| 9512 | CS-GEM-1596 | 386,606.3 | 3,853,701.8 | 726.8 | Population (Census) | Exported from HARP database |
| 9513 | CS-GEM-1597 | 386,160.9 | 3,853,699.8 | 728.2 | Population (Census) | Exported from HARP database |
| 9514 | CS-GEM-1598 | 385,766.4 | 3,853,711.9 | 729.6 | Population (Census) | Exported from HARP database |
| 9515 | CS-GEM-1599 | 385,372.2 | 3,853,724.3 | 731.1 | Population (Census) | Exported from HARP database |
| 9516 | CS-GEM-1600 | 385,000.4 | 3,853,713.2 | 732.1 | Population (Census) | Exported from HARP database |
| 9517 | CS-GEM-1601 | 384,599.8 | 3,853,718.6 | 733.5 | Population (Census) | Exported from HARP database |
| 9518 | CS-GEM-1602 | 384,194.4 | 3,853,621.9 | 734.7 | Population (Census) | Exported from HARP database |
| 9519 | CS-GEM-1603 | 383,791.0 | 3,853,727.0 | 735.9 | Population (Census) | Exported from HARP database |
| 9520 | CS-GEM-1604 | 383,193.0 | 3,853,401.6 | 737.6 | Population (Census) | Exported from HARP database |
| 9521 | CS-GEM-1605 | 382,759.8 | 3,853,120.4 | 740.0 | Population (Census) | Exported from HARP database |
| 9522 | CS-GEM-1606 | 382,371.2 | 3,853,446.6 | 740.8 | Population (Census) | Exported from HARP database |
| 9523 | CS-GEM-1607 | 381,585.3 | 3,853,445.6 | 744.2 | Population (Census) | Exported from HARP database |
| 9524 | CS-GEM-1608 | 380,965.1 | 3,853,760.9 | 746.7 | Population (Census) | Exported from HARP database |
| 9525 | CS-GEM-1609 | 380,534.9 | 3,853,765.3 | 749.1 | Population (Census) | Exported from HARP database |
| 9526 | CS-GEM-1610 | 380,096.3 | 3,853,834.0 | 751.7 | Population (Census) | Exported from HARP database |
| 9527 | CS-GEM-1611 | 379,669.8 | 3,853,824.6 | 753.8 | Population (Census) | Exported from HARP database |
| 9528 | CS-GEM-1612 | 379,386.5 | 3,853,824.6 | 755.3 | Population (Census) | Exported from HARP database |
| 9529 | CS-GEM-1613 | 381,574.9 | 3,852,634.4 | 746.1 | Population (Census) | Exported from HARP database |
| 9530 | CS-GEM-1614 | 381,201.8 | 3,853,079.7 | 746.8 | Population (Census) | Exported from HARP database |
| 9531 | CS-GEM-1615 | 381,172.6 | 3,853,190.3 | 746.7 | Population (Census) | Exported from HARP database |
| 9532 | CS-GEM-1616 | 381,171.9 | 3,853,297.2 | 746.6 | Population (Census) | Exported from HARP database |
| 9533 | CS-GEM-1617 | 381,171.0 | 3,853,405.5 | 746.6 | Population (Census) | Exported from HARP database |
| 9534 | CS-GEM-1618 | 381,026.9 | 3,853,549.1 | 746.7 | Population (Census) | Exported from HARP database |
| 9535 | CS-GEM-1619 | 380,755.7 | 3,853,551.2 | 748.2 | Population (Census) | Exported from HARP database |
| 9536 | CS-GEM-1620 | 380,477.3 | 3,853,552.8 | 749.8 | Population (Census) | Exported from HARP database |
| 9537 | CS-GEM-1621 | 380,118.4 | 3,853,554.9 | 752.0 | Population (Census) | Exported from HARP database |
| 9538 | CS-GEM-1622 | 380,131.6 | 3,853,738.8 | 751.6 | Population (Census) | Exported from HARP database |
| 9539 | CS-GEM-1623 | 379,740.3 | 3,853,738.9 | 753.7 | Population (Census) | Exported from HARP database |
| 9540 | CS-GEM-1624 | 379,335.3 | 3,853,632.3 | 755.7 | Population (Census) | Exported from HARP database |
| 9541 | CS-GEM-1625 | 379,634.3 | 3,853,551.2 | 754.9 | Population (Census) | Exported from HARP database |
| 9542 | CS-GEM-1626 | 379,837.3 | 3,853,453.1 | 754.2 | Population (Census) | Exported from HARP database |
| 9543 | CS-GEM-1627 | 379,634.5 | 3,853,334.2 | 754.5 | Population (Census) | Exported from HARP database |
| 9544 | CS-GEM-1628 | 379,364.4 | 3,853,333.9 | 755.5 | Population (Census) | Exported from HARP database |
| 9545 | CS-GEM-1629 | 379,156.5 | 3,853,463.8 | 756.6 | Population (Census) | Exported from HARP database |
| 9546 | CS-GEM-1630 | 378,903.9 | 3,853,459.8 | 758.0 | Population (Census) | Exported from HARP database |
| 9547 | CS-GEM-1631 | 380,533.9 | 3,853,242.7 | 749.7 | Population (Census) | Exported from HARP database |
| 9548 | CS-GEM-1632 | 380,956.3 | 3,853,327.8 | 747.4 | Population (Census) | Exported from HARP database |
| 9549 | CS-GEM-1633 | 380,955.0 | 3,853,127.7 | 747.5 | Population (Census) | Exported from HARP database |
| 9550 | CS-GEM-1634 | 380,960.2 | 3,852,928.3 | 748.0 | Population (Census) | Exported from HARP database |
| 9551 | CS-GEM-1635 | 381,175.5 | 3,853,028.6 | 747.1 | Population (Census) | Exported from HARP database |
| 9552 | CS-GEM-1636 | 380,125.1 | 3,853,318.7 | 751.9 | Population (Census) | Exported from HARP database |
| 9553 | CS-GEM-1637 | 380,098.0 | 3,853,125.7 | 752.0 | Population (Census) | Exported from HARP database |
| 9554 | CS-GEM-1638 | 379,708.8 | 3,853,143.4 | 753.7 | Population (Census) | Exported from HARP database |
| 9555 | CS-GEM-1639 | 379,295.2 | 3,853,150.1 | 755.7 | Population (Census) | Exported from HARP database |
| 9556 | CS-GEM-1640 | 379,314.6 | 3,852,729.7 | 755.3 | Population (Census) | Exported from HARP database |
| 9557 | CS-GEM-1641 | 379,716.8 | 3,852,653.2 | 753.7 | Population (Census) | Exported from HARP database |
| 9558 | CS-GEM-1642 | 380,112.7 | 3,852,970.2 | 752.3 | Population (Census) | Exported from HARP database |
| 9559 | CS-GEM-1643 | 380,529.3 | 3,852,934.8 | 749.8 | Population (Census) | Exported from HARP database |
| 9560 | CS-GEM-1644 | 380,115.3 | 3,852,454.7 | 752.0 | Population (Census) | Exported from HARP database |
| 9561 | CS-GEM-1645 | 380,112.8 | 3,852,772.2 | 751.9 | Population (Census) | Exported from HARP database |
| 9562 | CS-GEM-1646 | 380,422.1 | 3,852,739.9 | 750.6 | Population (Census) | Exported from HARP database |
| 9563 | CS-GEM-1647 | 380,588.1 | 3,852,645.3 | 750.2 | Population (Census) | Exported from HARP database |
| 9564 | CS-GEM-1648 | 380,754.6 | 3,852,636.3 | 749.4 | Population (Census) | Exported from HARP database |
| 9565 | CS-GEM-1649 | 381,017.5 | 3,852,731.7 | 748.4 | Population (Census) | Exported from HARP database |
| 9566 | CS-GEM-1650 | 381,019.6 | 3,852,555.5 | 748.4 | Population (Census) | Exported from HARP database |
| 9567 | CS-GEM-1651 | 381,012.7 | 3,852,355.8 | 748.4 | Population (Census) | Exported from HARP database |
| 9568 | CS-GEM-1652 | 380,584.3 | 3,852,357.4 | 750.6 | Population (Census) | Exported from HARP database |
| 9569 | CS-GEM-1653 | 380,422.6 | 3,852,559.9 | 750.9 | Population (Census) | Exported from HARP database |
| 9570 | CS-GEM-1654 | 380,524.3 | 3,852,122.7 | 750.9 | Population (Census) | Exported from HARP database |
| 9571 | CS-GEM-1655 | 380,658.2 | 3,851,996.2 | 750.1 | Population (Census) | Exported from HARP database |
| 9572 | CS-GEM-1656 | 382,400.8 | 3,852,112.9 | 742.8 | Population (Census) | Exported from HARP database |
| 9573 | CS-GEM-1657 | 382,366.9 | 3,852,618.5 | 742.2 | Population (Census) | Exported from HARP database |
| 9574 | CS-GEM-1658 | 383,154.7 | 3,852,603.5 | 738.9 | Population (Census) | Exported from HARP database |
| 9575 | CS-GEM-1659 | 383,893.3 | 3,852,441.2 | 736.2 | Population (Census) | Exported from HARP database |
| 9576 | CS-GEM-1660 | 383,683.8 | 3,852,486.2 | 737.0 | Population (Census) | Exported from HARP database |
| 9577 | CS-GEM-1661 | 383,938.7 | 3,853,029.7 | 735.6 | Population (Census) | Exported from HARP database |
| 9578 | CS-GEM-1662 | 384,001.2 | 3,853,328.3 | 735.2 | Population (Census) | Exported from HARP database |
| 9579 | CS-GEM-1663 | 383,786.9 | 3,853,522.4 | 735.8 | Population (Census) | Exported from HARP database |
| 9580 | CS-GEM-1664 | 384,591.9 | 3,853,109.3 | 734.0 | Population (Census) | Exported from HARP database |
| 9581 | CS-GEM-1665 | 384,594.5 | 3,853,312.9 | 733.2 | Population (Census) | Exported from HARP database |
| 9582 | CS-GEM-1666 | 384,595.5 | 3,853,515.7 | 733.8 | Population (Census) | Exported from HARP database |
| 9583 | CS-GEM-1667 | 384,997.8 | 3,853,511.1 | 732.6 | Population (Census) | Exported from HARP database |
| 9584 | CS-GEM-1668 | 385,569.8 | 3,853,500.6 | 730.7 | Population (Census) | Exported from HARP database |
| 9585 | CS-GEM-1669 | 385,503.8 | 3,853,651.3 | 730.7 | Population (Census) | Exported from HARP database |
| 9586 | CS-GEM-1670 | 384,380.0 | 3,852,527.5 | 734.5 | Population (Census) | Exported from HARP database |
| 9587 | CS-GEM-1671 | 384,433.8 | 3,852,724.6 | 734.0 | Population (Census) | Exported from HARP database |
| 9588 | CS-GEM-1672 | 384,506.5 | 3,852,901.5 | 733.5 | Population (Census) | Exported from HARP database |

| Number of Receptor | ID | UTM E (m) | UTM N (m) | Terrain Elevation (m) | Type of Receptor | Description |
|--------------------|-------------|-----------|-------------|-----------------------|---------------------|-----------------------------|
| 9589 | CS-GEM-1673 | 384,992.3 | 3,852,899.6 | 731.5 | Population (Census) | Exported from HARP database |
| 9590 | CS-GEM-1674 | 384,999.8 | 3,853,100.5 | 732.0 | Population (Census) | Exported from HARP database |
| 9591 | CS-GEM-1675 | 384,997.7 | 3,853,309.5 | 732.3 | Population (Census) | Exported from HARP database |
| 9592 | CS-GEM-1676 | 385,605.5 | 3,853,299.1 | 730.3 | Population (Census) | Exported from HARP database |
| 9593 | CS-GEM-1677 | 386,199.8 | 3,853,287.0 | 728.3 | Population (Census) | Exported from HARP database |
| 9594 | CS-GEM-1678 | 386,163.1 | 3,853,505.5 | 727.9 | Population (Census) | Exported from HARP database |
| 9595 | CS-GEM-1679 | 386,601.5 | 3,853,497.4 | 726.8 | Population (Census) | Exported from HARP database |
| 9596 | CS-GEM-1680 | 386,598.5 | 3,853,283.8 | 726.8 | Population (Census) | Exported from HARP database |
| 9597 | CS-GEM-1681 | 386,597.0 | 3,853,073.4 | 726.9 | Population (Census) | Exported from HARP database |
| 9598 | CS-GEM-1682 | 386,198.0 | 3,853,077.3 | 728.2 | Population (Census) | Exported from HARP database |
| 9599 | CS-GEM-1683 | 385,594.8 | 3,853,088.8 | 729.9 | Population (Census) | Exported from HARP database |
| 9600 | CS-GEM-1684 | 385,598.8 | 3,852,893.0 | 729.7 | Population (Census) | Exported from HARP database |
| 9601 | CS-GEM-1685 | 386,191.9 | 3,852,843.0 | 728.0 | Population (Census) | Exported from HARP database |
| 9602 | CS-GEM-1686 | 386,595.7 | 3,852,839.2 | 726.9 | Population (Census) | Exported from HARP database |
| 9603 | CS-GEM-1687 | 386,407.5 | 3,852,624.5 | 727.2 | Population (Census) | Exported from HARP database |
| 9604 | CS-GEM-1688 | 385,598.8 | 3,852,691.4 | 729.6 | Population (Census) | Exported from HARP database |
| 9605 | CS-GEM-1689 | 384,995.8 | 3,852,696.7 | 731.6 | Population (Census) | Exported from HARP database |
| 9606 | CS-GEM-1690 | 384,987.6 | 3,852,489.8 | 732.1 | Population (Census) | Exported from HARP database |
| 9607 | CS-GEM-1691 | 385,600.5 | 3,852,486.3 | 729.7 | Population (Census) | Exported from HARP database |
| 9608 | CS-GEM-1692 | 386,195.4 | 3,852,460.5 | 728.1 | Population (Census) | Exported from HARP database |
| 9609 | CS-GEM-1693 | 385,592.0 | 3,852,297.4 | 729.7 | Population (Census) | Exported from HARP database |
| 9610 | CS-GEM-1694 | 385,001.7 | 3,852,299.0 | 732.0 | Population (Census) | Exported from HARP database |
| 9611 | CS-GEM-1695 | 384,604.5 | 3,852,279.7 | 733.6 | Population (Census) | Exported from HARP database |
| 9612 | CS-GEM-1696 | 383,202.7 | 3,851,817.8 | 739.6 | Population (Census) | Exported from HARP database |
| 9613 | CS-GEM-1697 | 382,395.7 | 3,851,716.8 | 743.5 | Population (Census) | Exported from HARP database |
| 9614 | CS-GEM-1698 | 379,713.0 | 3,852,142.9 | 753.9 | Population (Census) | Exported from HARP database |
| 9615 | CS-GEM-1699 | 379,315.0 | 3,852,327.1 | 755.5 | Population (Census) | Exported from HARP database |
| 9616 | CS-GEM-1700 | 378,908.5 | 3,852,649.2 | 757.3 | Population (Census) | Exported from HARP database |
| 9617 | CS-GEM-1701 | 380,116.1 | 3,852,145.7 | 752.3 | Population (Census) | Exported from HARP database |
| 9618 | CS-GEM-1702 | 387,211.6 | 3,852,985.7 | 724.7 | Population (Census) | Exported from HARP database |
| 9619 | CS-GEM-1703 | 387,241.9 | 3,853,762.0 | 725.0 | Population (Census) | Exported from HARP database |
| 9620 | CS-GEM-1704 | 377,834.4 | 3,853,122.9 | 762.1 | Population (Census) | Exported from HARP database |
| 9621 | CS-GEM-1705 | 378,408.1 | 3,852,547.3 | 759.6 | Population (Census) | Exported from HARP database |

APPENDIX 5.9B

Emission Inventory and Screening HRA for Construction Phase

Table of Contents

| | |
|--|----------|
| 1.0 HRA ANALYSIS FOR CONSTRUCTION PHASE | 1 |
| TABLES | |
| Table 1: Gem Construction Emissions and Source Parameters | 2 |
| Table 2: Construction HRA Results | 2 |
| Table 3: Cancer Burden Calculations - Construction Phase Cancer Risk from Diesel Particulate Matter Emissions | 7 |
| FIGURES | |
| Figure 1: Location of Construction Sources | 3 |
| Figure 2: 5-Year Cancer Risk Isopleths and Locations for PMI, MEIR, and Maximum Sensitive Receptor | 5 |
| Figure 3: Chronic Risk Locations for PMI, MEIR, and Maximum Sensitive Receptor | 6 |

1.0 HRA ANALYSIS FOR CONSTRUCTION PHASE

Combustion of diesel fuel in powered construction equipment and heavy-duty vehicles emits diesel particulate matter (DPM) that could potentially expose nearby receptors to health risks. Health risks related to DPM exposure are assessed quantitatively based on the project emissions and proximity to receptors.

For purposes of this analysis, risk due to DPM exposure from construction activity is assessed at the project fence line, residential receptors, census receptors, and sensitive receptors.

The construction analysis was run using HARP2 for DPM emissions at the identified receptors listed in Table 5.9-1 of Section 5.9 Public Health. A construction screening HRA was performed using the following assumptions:

- DPM is the only substance analyzed in the HRA for construction. DPM exposure has cancer and chronic health risks to humans. Table 1 shows the emissions of DPM for construction.
- Representative sources are considered in the analysis. Emissions of DPM were represented by 12 sources: 1 point source, 9 volume sources, and 2 line-volume sources. Source parameters modeled in AERMOD are provided in Section 5.1 Air Quality.
- Dispersion factors are estimated using an AERMOD model assuming a unit emission rate of 1 g/s for each of the three sources.
- Emission rates and dispersion factors are multiplied in HARP2 to calculate ground level concentrations (GLCs) for each pollutant at each receptor.
- Cancer risk and chronic hazard indices are computed from the GLCs using HARP2. The RELs used for cancer inhalation and chronic inhalation are $0.0003 (\mu\text{g}/\text{m}^3)^{-1}$ and $5 (\mu\text{g}/\text{m}^3)^{-1}$, respectively.
- The construction schedule for Gem is approximately 63 months. For the HRA, cancer risk is estimated by running HARP2 for five years. Construction emissions for DPM represent the worst continuous year scenario which is estimated to be from months 18 to 29 so assuming five years at the worst-case emission is conservative.
- The construction HRA is performed using methodology explained in more detail in Appendix 5.9D.

Table 1: Gem Construction Emissions and Source Parameters

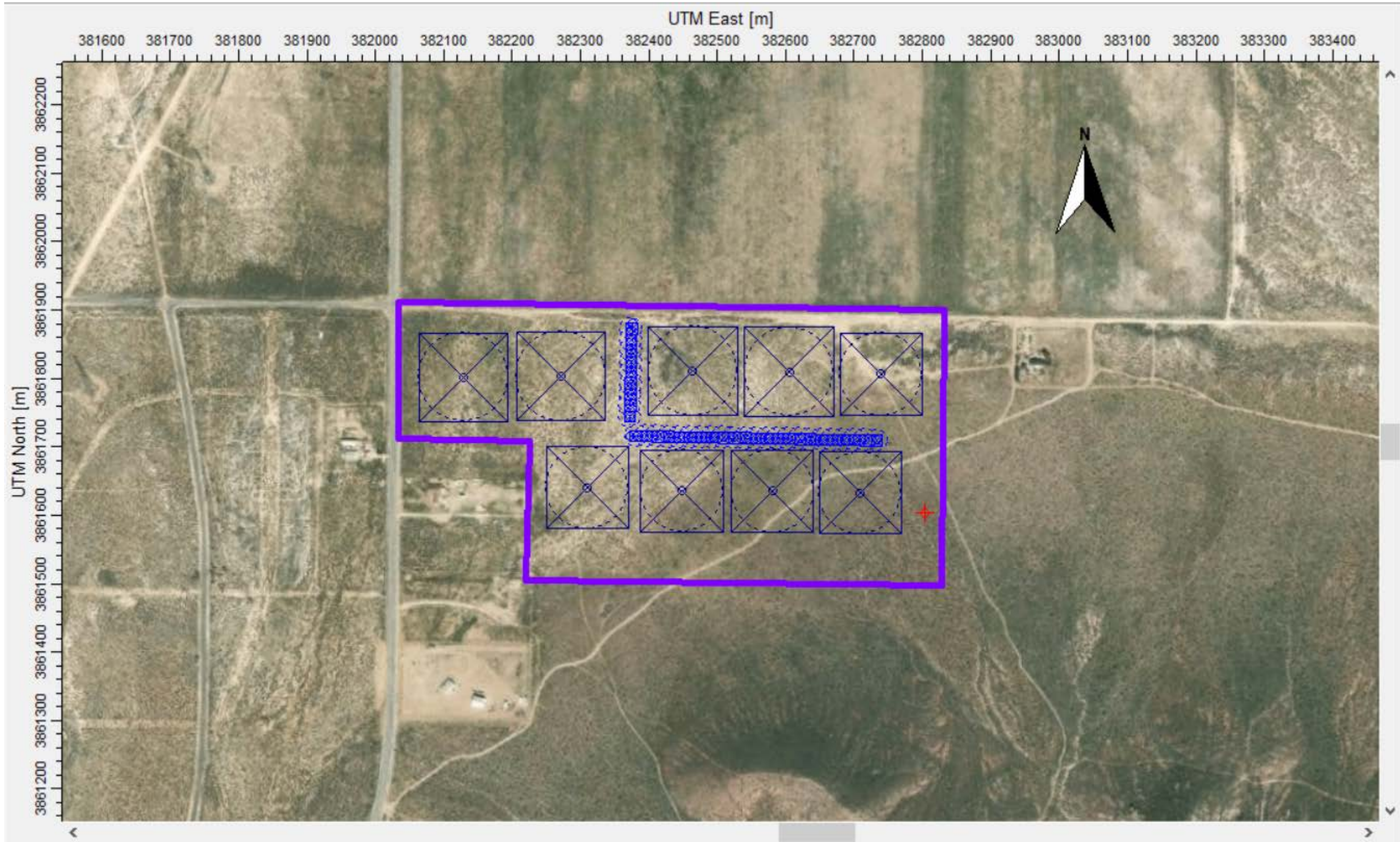
| Source ID | Description | DPM Hourly Emissions (lb/hr) | DPM Annual Emissions (lb/year) | UTM Easting Coordinate (m) | UTM Northing Coordinate (m) |
|-----------|---|------------------------------|--------------------------------|----------------------------------|-----------------------------|
| POINT | Point source represent vehicles and equipment operated underground and vented through one ventilation shaft | 0.0438 | 80.26 | 382803.64 | 3861603.22 |
| SURF1 | Four (4) volume sources represent vehicles and equipment operated as part of the surface works. | 64.52 | 0.0863 | 382128.96 | 3861801.81 |
| SURF2 | | 64.52 | 0.0863 | 382271.06 | 3861803.35 |
| SURF3 | | 64.52 | 0.0863 | 382464.18 | 3861811.14 |
| SURF4 | | 64.52 | 0.0863 | 382605.03 | 3861809.49 |
| CAV1 | Five (5) volume sources represent vehicles and equipment operated as part of the caverns works. | 0.0079 | 12.10 | 382309.95 | 3861639.92 |
| CAV2 | | 0.0079 | 12.10 | 382448.26 | 3861635.40 |
| CAV3 | | 0.0079 | 12.10 | 382580.78 | 3861635.11 |
| CAV4 | | 0.0079 | 12.10 | 382709.09 | 3861632.83 |
| CAV5 | | 0.0079 | 12.10 | 382739.30 | 3861806.16 |
| ROAD A | Two line-volume sources represent the transportation of material by trucks inside the Gem site | 0.00099 | 2.21 | 9 volume sources were generated | |
| ROAD B | | 0.00102 | 2.21 | 23 volume sources were generated | |

Figure 1 shows the location of the sources for the construction HRA analysis. Table 2 presents results of the screening level assessment of health risks from the construction phase expressed as cancer risk and chronic hazard index. No acute inhalation REL exists for DPM so acute risks are not quantified.

Table 2: Construction HRA Results

| Receptor Type | Receptor ID | UTM Easting Coordinate (m) | UTM Northing Coordinate (m) | Cancer Risk | Chronic Hazard Index |
|---------------|-------------|----------------------------|-----------------------------|-------------|----------------------|
| PMI | FC-GEM-117 | 382,828.5 | 3,861,594.1 | 5.65E-05 | 2.64E-02 |
| MEIR | RD-GEM-04 | 382,960.8 | 3,861,824.0 | 8.38E-06 | 3.92E-03 |
| Residential | RD-GEM-05 | 382,087.6 | 3,861,630.8 | 9.97E-06 | 4.66E-03 |
| Residential | RD-GEM-07 | 382,105.1 | 3,861,348.4 | 3.95E-06 | 1.85E-03 |
| Residential | RD-GEM-06 | 381,963.8 | 3,861,691.6 | 5.29E-06 | 2.47E-03 |
| Sensitive | SR-GEM-21 | 385,087.8 | 3,860,105.2 | 3.44E-07 | 1.61E-04 |

PMI = Point of Maximum Impact, MEIR = Maximum Exposed Individual Resident



CANCER RISK DISCUSSION

The point of maximum impact (PMI) for cancer risk is predicted to occur on the fenceline, at the east side of the property boundary corresponding to receptor FC-GEM-106. This receptor is the closest to the point source, which represent the shaft. This risk assumes 5 years of continuous exposure. The pathway for maximum exposure and contribution is Inhalation.

The maximum exposed individual resident (MEIR) for cancer risk is predicted to occur at receptor RD-GEM-04, located approximately 140 m east of the facility. Note that the estimated cancer risk level decreases from 383 per million at the PMI to 20 per million at the MEIR due to the rapidly decreasing concentration with distance. Residential receptors located at the facility's west (RD-GEM-06) and southwest (RD-GEM-05 and RD-GEM-07) are estimated to experience risk levels below 10 per million.

Estimated cancer risk at the nearest sensitive receptor SR-GEM-21, located approximately 2.6 km southeast of the facility, is below 1 per million. Figure 1 shows the 5-year cancer risk isopleths and the locations for PMI, MEIR, and maximum sensitive receptors.

CHRONIC RISK DISCUSSION

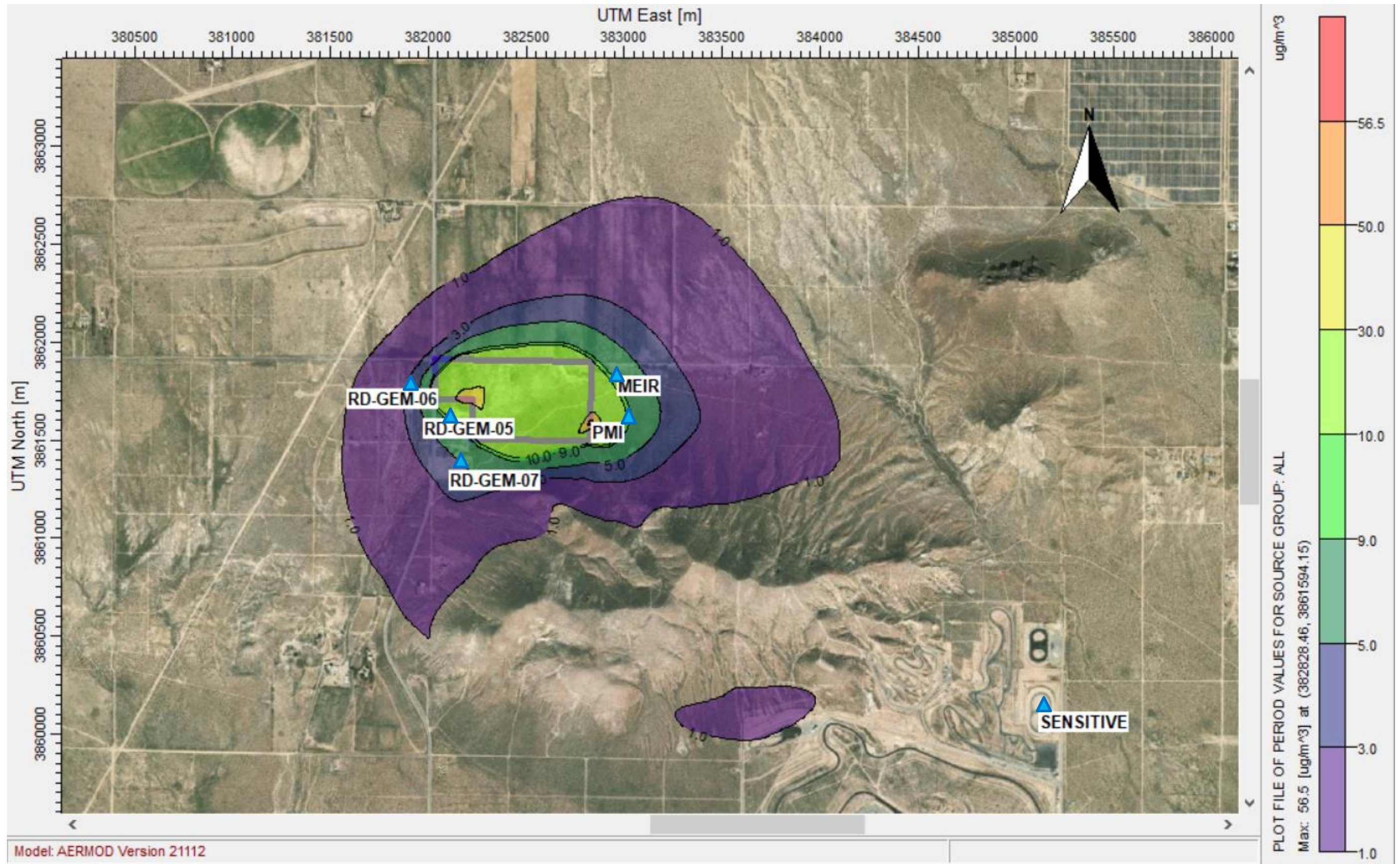
The PMI, MEIR and sensitive chronic receptors are predicted to occur at the same receptors as cancer risk. The PMI chronic receptor is estimated to experience a hazard index less than 1 and the maximum level is predicted to occur at the fenceline. Figure 2 shows the annual chronic hazard locations for the PMI, MEIR, and maximum sensitive receptors.

CANCER BURDEN

Because the maximum cancer risk exceeds 1 per million at an offsite receptor, cancer burden has been estimated using the following procedure:

- Cancer risk is estimated at each census receptor using HARP2.
- For each census receptor that has an estimated cancer risk that equal to or greater than 1 per million (1E-6 risk), the population at that receptor is multiplied by the risk at that receptor. This estimates the cancer burden at each census receptor.
- All of the cancer burdens calculated in the previous step are summed to estimate the total cancer burden within the zone of impact (area that experiences a risk $\geq 1E-6$).

The total cancer burden is estimated to be 0.000070 with a total population of 27 persons within the zone of impact. Effectively what this means is that given the modeled assumptions and risk calculations, the construction phase emissions are anticipated to result in 0.000070 cancer cases. This risk is well within acceptable risk levels given the conservatism in the calculation. See Appendix 5.9B Table 3 for cancer burden calculations.





Appendix 5.9B - Table 3

Cancer Burden Calculations - Gem Site

Construction Phase Cancer Risk from Diesel Particulate Matter Emissions

| | |
|--|----------|
| Cancer Burden within the Zone of Impact | 0.000070 |
| Total Population within the Zone of Impact | 27 |

Cancer burden is estimated by multiplying the (estimated cancer risk at each census receptor at or above a risk of 1E-6) by the (population at the census receptor) and summing the individual calculations.

This number estimates the number of cancer cases that could occur within the zone of impact (defined as 1E-6). A total of 0.000168 cases are predicted.

| Population Receptors at or Above 1 per Million Cancer Risk | | | | |
|--|-----------|------------|-------------|---------------|
| UTM E (m) | UTM N (m) | Population | Cancer Risk | Cancer Burden |
| 384,597 | 3,862,567 | 0 | 8.025E-07 | 0 |
| 384,117 | 3,862,488 | 0 | 1.1694E-06 | 0 |
| 383,835 | 3,862,492 | 0 | 1.4885E-06 | 0 |
| 383,573 | 3,862,318 | 0 | 2.2435E-06 | 0 |
| 383,170 | 3,862,286 | 0 | 3.8172E-06 | 0 |
| 382,637 | 3,862,438 | 0 | 3.1276E-06 | 0 |
| 382,234 | 3,862,310 | 0 | 2.4541E-06 | 0 |
| 381,880 | 3,862,215 | 2 | 1.5862E-06 | 3.1724E-06 |
| 381,574 | 3,862,029 | 0 | 1.2355E-06 | 0 |
| 381,215 | 3,861,567 | 0 | 9.7082E-07 | 0 |
| 381,309 | 3,861,545 | 0 | 1.1464E-06 | 0 |
| 381,404 | 3,861,480 | 0 | 1.3694E-06 | 0 |
| 381,628 | 3,861,982 | 0 | 1.4898E-06 | 0 |
| 381,188 | 3,860,611 | 7 | 9.0833E-07 | 0 |
| 381,702 | 3,860,349 | 14 | 1.2248E-06 | 1.71472E-05 |
| 381,556 | 3,861,008 | 0 | 1.6782E-06 | 0 |
| 381,875 | 3,861,296 | 0 | 4.1119E-06 | 0 |
| 381,941 | 3,861,803 | 5 | 7.7854E-06 | 0.000038927 |
| 381,824 | 3,861,641 | 0 | 4.5417E-06 | 0 |
| 382,632 | 3,862,028 | 0 | 0.000014833 | 0 |
| 382,946 | 3,861,844 | 2 | 0.000016408 | 4.8544E-06 |
| 383,865 | 3,861,774 | 4 | 2.4272E-06 | 5.9048E-06 |
| 384,130 | 3,862,075 | 0 | 1.4762E-06 | 0 |
| 383,840 | 3,862,082 | 0 | 1.9974E-06 | 0 |
| 383,297 | 3,860,703 | 13 | 6.7088E-07 | 0 |
| 381,978 | 3,860,996 | 0 | 3.4787E-06 | 0 |
| 384,204 | 3,859,913 | 0 | 1.3663E-06 | 0 |
| 384,449 | 3,861,308 | 0 | 1.3233E-06 | 0 |
| 382,212 | 3,861,386 | 0 | 0.000011318 | 0 |
| 384,818 | 3,860,316 | 0 | 8.4415E-07 | 0 |
| 384,711 | 3,860,075 | 0 | 9.2369E-07 | 0 |

| Population Receptors at or Above 1 per Million Cancer Risk | | | | |
|--|-----------|------------|-------------|---------------|
| UTM E (m) | UTM N (m) | Population | Cancer Risk | Cancer Burden |
| 383,904 | 3,861,565 | 0 | 2.5324E-06 | 0 |
| 385,175 | 3,861,513 | 0 | 7.9641E-07 | 0 |
| 384,596 | 3,861,253 | 0 | 1.1428E-06 | 0 |
| 385,039 | 3,860,770 | 0 | 7.4699E-07 | 0 |
| 384,929 | 3,859,938 | 0 | 7.6847E-07 | 0 |
| 385,023 | 3,859,824 | 0 | 7.2277E-07 | 0 |
| 384,283 | 3,859,330 | 0 | 9.9966E-07 | 0 |
| 384,681 | 3,859,285 | 0 | 8.5955E-07 | 0 |
| 384,774 | 3,859,893 | 0 | 8.6497E-07 | 0 |
| 384,631 | 3,859,406 | 0 | 9.0204E-07 | 0 |
| 384,546 | 3,859,585 | 0 | 9.7607E-07 | 0 |
| 384,421 | 3,859,547 | 0 | 1.0371E-06 | 0 |
| 383,796 | 3,859,697 | 0 | 1.3926E-06 | 0 |
| 383,680 | 3,859,547 | 0 | 1.1684E-06 | 0 |
| 383,400 | 3,859,764 | 0 | 1.3986E-06 | 0 |
| 383,115 | 3,859,768 | 0 | 1.1991E-06 | 0 |
| 382,916 | 3,859,772 | 0 | 1.0636E-06 | 0 |
| 382,603 | 3,859,778 | 3 | 8.9836E-07 | 0 |
| 382,202 | 3,859,784 | 0 | 8.6509E-07 | 0 |
| 382,925 | 3,859,574 | 0 | 8.3614E-07 | 0 |
| 383,125 | 3,859,571 | 0 | 9.3341E-07 | 0 |
| 383,402 | 3,859,567 | 0 | 1.0836E-06 | 0 |
| 384,918 | 3,859,110 | 0 | 7.4491E-07 | 0 |
| 384,643 | 3,859,198 | 4 | 8.5403E-07 | 0 |
| 384,517 | 3,859,157 | 0 | 8.7687E-07 | 0 |
| 384,314 | 3,859,154 | 0 | 9.1137E-07 | 0 |
| 384,112 | 3,859,154 | 0 | 9.1761E-07 | 0 |
| 383,909 | 3,859,158 | 3 | 8.911E-07 | 0 |
| 383,702 | 3,859,160 | 10 | 8.3769E-07 | 0 |
| 384,113 | 3,858,953 | 8 | 8.0633E-07 | 0 |
| 384,314 | 3,858,952 | 0 | 8.1965E-07 | 0 |
| 384,504 | 3,858,906 | 4 | 7.9102E-07 | 0 |
| 384,719 | 3,858,954 | 0 | 7.7307E-07 | 0 |
| 384,922 | 3,858,953 | 0 | 7.2312E-07 | 0 |
| 384,655 | 3,858,741 | 0 | 7.2202E-07 | 0 |
| 384,312 | 3,858,750 | 1 | 7.321E-07 | 0 |
| 382,202 | 3,859,586 | 2 | 7.4325E-07 | 0 |
| 381,586 | 3,861,393 | 0 | 2.1141E-06 | 0 |
| 381,637 | 3,861,609 | 0 | 0.00000234 | 0 |
| 381,574 | 3,861,203 | 0 | 1.9344E-06 | 0 |
| 383,232 | 3,863,109 | 0 | 1.1469E-06 | 0 |
| 384,034 | 3,863,100 | 0 | 8.757E-07 | 0 |

APPENDIX 5.9C

**Detailed Emission Calculations of
Air Toxic Pollutants for Operations
Phase**

Appendix 5.9C - Table 1
Emission Inventory for Air Toxic Pollutants from One Diesel Emergency Generator
Operation Phase
Hydrostor - Gem Site

| CAS | Pollutant | Engine Size (bkW) ^a | Fuel Consumption (g/bkW-hr) ^a | Fuel Density (lb/gal) ^a | Heating Value for Diesel (MMBtu/gal) ^b | Heat Input (Mmbtu/hr) | Emission Factor ^c | | Annual Hours of Operation ^d | Total Emissions (lb/hr) | Total Emissions (lb/yr) | Total Emissions (tons/yr) |
|---------|---------------------------------|--------------------------------|--|------------------------------------|---|-----------------------|------------------------------|----------|--|-------------------------|-------------------------|---------------------------|
| | | | | | | | Value | Unit | | | | |
| 83329 | Acenaphthene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 4.68E-06 | lb/MMBtu | 200 | 2.22E-04 | 4.45E-02 | 2.22E-05 |
| 208968 | Acenaphthylene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 9.23E-06 | lb/MMBtu | 200 | 4.38E-04 | 8.77E-02 | 4.38E-05 |
| 75070 | Acetaldehyde | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 2.52E-05 | lb/MMBtu | 200 | 1.20E-03 | 2.39E-01 | 1.20E-04 |
| 107028 | Acrolein | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 7.88E-06 | lb/MMBtu | 200 | 3.74E-04 | 7.49E-02 | 3.74E-05 |
| 120127 | Anthracene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 1.23E-06 | lb/MMBtu | 200 | 5.84E-05 | 1.17E-02 | 5.84E-06 |
| 56553 | Benzo(a)anthracene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 6.22E-07 | lb/MMBtu | 200 | 2.95E-05 | 5.91E-03 | 2.95E-06 |
| 71432 | Benzene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 7.76E-04 | lb/MMBtu | 200 | 3.69E-02 | 7.37E+00 | 3.69E-03 |
| 50328 | Benzo(a)pyrene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 2.57E-07 | lb/MMBtu | 200 | 1.22E-05 | 2.44E-03 | 1.22E-06 |
| 205992 | Benzo(b)fluoranthene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 1.11E-06 | lb/MMBtu | 200 | 5.27E-05 | 1.05E-02 | 5.27E-06 |
| 191242 | Benzo(g,h,i)perylene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 5.56E-07 | lb/MMBtu | 200 | 2.64E-05 | 5.28E-03 | 2.64E-06 |
| 207089 | Benzo(k)fluoranthene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 2.18E-07 | lb/MMBtu | 200 | 1.04E-05 | 2.07E-03 | 1.04E-06 |
| 218019 | Chrysene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 1.53E-06 | lb/MMBtu | 200 | 7.27E-05 | 1.45E-02 | 7.27E-06 |
| 53703 | Dibenz(a,h)anthracene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 3.46E-07 | lb/MMBtu | 200 | 1.64E-05 | 3.29E-03 | 1.64E-06 |
| 9901 | Diesel Particulate Matter (DPM) | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | -- | -- | 200 | 3.30E-01 | 6.60E+01 | 3.30E-02 |
| 206440 | Fluoranthene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 4.03E-06 | lb/MMBtu | 200 | 1.91E-04 | 3.83E-02 | 1.91E-05 |
| 86737 | Fluorene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 1.28E-05 | lb/MMBtu | 200 | 6.08E-04 | 1.22E-01 | 6.08E-05 |
| 50000 | Formaldehyde | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 7.89E-05 | lb/MMBtu | 200 | 3.75E-03 | 7.49E-01 | 3.75E-04 |
| 193395 | Indeno(1,2,3-cd)pyrene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 4.14E-07 | lb/MMBtu | 200 | 1.97E-05 | 3.93E-03 | 1.97E-06 |
| 91203 | Naphthalene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 1.30E-04 | lb/MMBtu | 200 | 6.17E-03 | 1.23E+00 | 6.17E-04 |
| 85018 | Phenanthrene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 4.08E-05 | lb/MMBtu | 200 | 1.94E-03 | 3.88E-01 | 1.94E-04 |
| 115071 | Propylene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 2.79E-03 | lb/MMBtu | 200 | 1.33E-01 | 2.65E+01 | 1.33E-02 |
| 129000 | Pyrene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 3.71E-06 | lb/MMBtu | 200 | 1.76E-04 | 3.52E-02 | 1.76E-05 |
| 108883 | Toluene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 2.81E-04 | lb/MMBtu | 200 | 1.33E-02 | 2.67E+00 | 1.33E-03 |
| 1330207 | Xylene | 5580 | 197.3 | 7.001 | 0.137 | 47.50 | 1.93E-04 | lb/MMBtu | 200 | 9.17E-03 | 1.83E+00 | 9.17E-04 |

Notes:

- ^a Based on the CAT specifications for a diesel generator set Stand By 5580 bkW 6650 kVA.
- ^b Heating value for diesel is based on the typical parameters of various fuels, AP-42 - Appendix A.
- ^c Emission Factors are based on AP 42, Chapter 3.4, Table 3.4-3 and 3.4-4 except from DPM that is equal the particulate matter emissions.
- ^d Annual allowable operating hours for an emergency engine is 200 hours according to EKAPCD

bkW = brake kilowatt; kVA=kilovolt-ampere

APPENDIX 5.9D

HRA Methodology, Model Options, and Parameters

Table of Contents

| | |
|--|----------|
| 1.0 HRA METHODOLOGY | 1 |
| 1.1 Hazard Identification | 2 |
| 1.2 Exposure Assessment | 2 |
| 1.2.1 Air Dispersion Model | 3 |
| 1.2.1.1 Model Options and Parameters | 3 |
| 1.2.2 Ground Level Concentration | 4 |
| 1.3 Dose-Response Assessment..... | 4 |
| 1.4 Risk Analysis | 8 |
| 1.4.1 Cancer Risk..... | 9 |
| 1.4.2 Chronic Hazard Index | 9 |
| 1.4.3 Acute Hazard Risk | 9 |
| 1.4.4 Cancer Burden | 9 |

TABLES

| | |
|---|---|
| Table 1: Hazard Identification | 2 |
| Table 2: AERMOD Model Options and Parameters | 4 |
| Table 3: Target Organ Systems by Substance for Acute | 5 |
| Table 4: Target Organ Systems by Substance for Annual Chronic | 6 |
| Table 5: Target Organs for 8-hours Chronic..... | 7 |
| Table 6: HARP2 Model Options and Parameters..... | 8 |

1.0 HRA METHODOLOGY

The Health Risk Assessment (HRA) process involves a number of steps with the goal of estimating the extent of cancer and non-cancer health effects associated with compounds in air emissions on both a population and specific receptor basis. The four major components of a HRA include:

- Hazard identification
- Exposure assessment
- Dose-response assessment
- Risk characterization

Hazard identification involves the determination of potential health effects that may be associated with a particular compound. Dose-response assessment is the process of characterizing the relationship between the exposure to a compound and the incidence of an adverse health effect.

The purpose of the exposure assessment is to estimate the extent of public exposure to a compound for which health risks will be quantified. This involves emissions quantification, modeling of compound dispersion, evaluation of environmental fate, identification of exposure routes, identification of exposed population, and estimations of short-term (acute) and long-term (chronic) exposure levels.

Risk characterization, which is the last step in the risk assessment process, is the integration of the health effects and the public exposure information. These two risk assessment components are performed by experienced engineers and consultants for the purpose of a health risk assessment.

Hotspots Analysis and Reporting Program Version 2 (HARP2) was used to conduct the dose-response assessment and risk characterization. The dose-response assessment is the relationship between pollutant exposure and potential incidence of an adverse health effect in the exposed populations. Dose-response is determined for each chemical using the most current OEHHA potency factors for cancer risk and Reference Exposure Levels (RELs) for acute and chronic non-cancer risks, which are incorporated into HARP2. Human doses were calculated for the modeled environmental exposures over specified time periods via multiple environmental pathways using the AERMOD dispersion modeling results. The risk characterization integrates the health effects and public exposure information and provides quantitative estimates of health risks resulting from facility TAC emissions.

The health risk calculations were performed using HARP2's Air Dispersion Modeling and Risk Tool (ADMRT, version 21081). The HARP2 model uses OEHHA equations and algorithms to calculate health risks based on input parameters, such as emissions, X/Q concentrations, and toxicological data, as presented in the OEHHA risk assessment guidelines.

The X/Q values determined for each source using AERMOD were imported into the HARP2 ADMRT module and combined with hourly and annual emissions to determine the GLCs for each pollutant. The GLCs were then used to estimate the long-term cancer health risk to an individual and non-cancer chronic and acute hazard indices.

The assessment of cancer risk and chronic non-cancer health indices used the long-term period (annual) average emissions, while the assessment of acute non-cancer health effects used the maximum short-term 1-hour emissions. The acute analysis conservatively assumes that all maximum short-term emissions occur in the same hour.

The PMI, MEIR, MEIW, and maximum impact at a sensitive receptor were calculated for cancer risk and non-cancer chronic and acute health indices. The PMI is a location within the modeling grid where the model calculates the highest (worst-case) health risk. The PMI may or may not be a habitable location.

1.1 Hazard Identification

The objective of Hazard Identification is to determine if the substance can cause or increase adverse health effects in humans.

The Gem site will emit TAC's from two-point sources during operation. Emissions are generated from the combustion of ultra-low sulfur diesel. Twenty tree substances have been evaluated for cancer risk and non-cancer acute and chronic health hazards. Table 1 provides the chemical names, CAS numbers and physical state of each substance.

Table 1: Hazard Identification

| CAS | Pollutant | Physical State |
|---------|---------------------------|----------------|
| 83329 | Acenaphthene | Solid |
| 208968 | Acenaphthylene | Solid |
| 75070 | Acetaldehyde | Liquid |
| 107028 | Acrolein | Liquid |
| 120127 | Anthracene | Solid |
| 56553 | Benzo(a)anthracene | Vapor |
| 71432 | Benzene | Vapor |
| 50328 | Benzo(a)pyrene | Liquid |
| 205992 | Benzo(b)fluoranthene | Solid |
| 191242 | Benzo(g,h,l)perylene | Solid |
| 207089 | Benzo(k)fluoranthene | Solid |
| 218019 | Chrysene | Solid |
| 53703 | Dibenz(a,h)anthracene | Solid |
| 9901 | Diesel Particulate Matter | Solid |
| 206440 | Fluoranthene | Solid |
| 86737 | Fluorene | Vapor |
| 50000 | Formaldehyde | Vapor |
| 193395 | Indeno(1,2,3-cd) pyrene | Solid |
| 91203 | Naphthalene | Solid |
| 85018 | Phenanthrene | Solid |
| 115071 | Propylene | Vapor |
| 129000 | Pyrene | Solid |
| 108883 | Toluene | Vapor |
| 1330207 | Xylene | Vapor |

1.2 Exposure Assessment

The exposure assessment estimates the extent of public exposure to facility TAC emissions. Public exposure is quantified based on the predicted maximum short-term and long-term ground-level concentrations (GLCs) resulting from the TAC emissions, the exposure pathway(s), and the duration of exposure to those emissions. Air

dispersion modeling is used to predict maximum short-term and long-term unitized concentrations for input into HARP2.

This section describes the air dispersion model and risk assessment methodology that were used in preparing the HRA for the Gem.

1.2.1 Air Dispersion Model

The purpose of dispersion modeling in the HRA process is to generate plot files that are used in assessing hazard and risk. Data used to create plot files include meteorological data, building information, stack information, unit emission rates (1 g/s), terrain data, and a receptor grid. AERMOD is used to create plot files, which show the maximum 1-hr, 8-hr and average annual ground level concentration (GLC) at each receptor. HARP2 is the recommended program for the HRA study. HARP2 has the capability to conduct dispersion modeling but also can import externally created plot files. For this HRA study, AERMOD was used to generate the plot files externally and they were imported into HARP2 for calculating GLCs.

1.2.1.1 Model Options and Parameters

The air dispersion model used for this HRA is the AMS/EPA Regulatory Model (AERMOD version 21112). AERMOD is a steady-state plume dispersion model that incorporates air dispersion calculations based on planetary boundary layer turbulence structure and scaling concepts. AERMOD is recognized by many international agencies, such as EPA and CARB for stationary source air dispersion modeling projects as containing the latest scientific algorithms for simulating plume behavior in all types of terrain. AERMOD calculates hourly concentrations based on hourly meteorological data and is applicable for most of studies.

AERMOD calculates downwind pollutant concentrations at specified receptor locations. For this facility, results from the AERMOD runs were imported into the HARP2 program for further processing and analysis. The air dispersion modeling methodology was based extensively on the HRA guidelines. Table 2 shows the model options and parameters used in AERMOD modeling.

Table 2: AERMOD Model Options and Parameters

| Parameter | Value/Notes |
|------------------------|--|
| Model Versions | AERMOD = 21112; AERMAP=18081; BPIP=04274 |
| Model Options | Default, Concentration |
| Averaging Times | 1-hr, PERIOD |
| Dispersion Coefficient | Rural option used. |
| Point Source | Emission Rate = 1 g/s; Emission rate is used to generate dispersion factors; height, diameter, exhaust gas temperature, and exhaust flowrate were provided by Hydrostor. Table 5.9-2 of Section 5.9 shows the point sources parameters for the two sources. |
| Downwash | Nine buildings are included in the BPIP model to estimate downwash. Building data was obtained from a 3-dimensional Model of the Gem site and CAD drawings. |
| Receptors | Fenceline Boundary: Facility property line Sensitive Receptors: Included 22 suggested receptors Worker Receptors: Included 11 suggested receptors Residential Receptors: Included 135 receptors located near at residences Population Receptors: Included for the zone of impact Grid Receptors: Included with 10-m spacing around fenceline, 50-m spacing from fenceline to 0.5 km, 100-m spacing from 0.5 km to 2.0 km, 200-m spacing from 2.0 km to 5.0 km, and 500-m spacing from 5.0 km to 10.0 km |
| Elevations | All point source, building, and receptor elevations assigned from 1 arc-second terrain data downloaded from the National Elevation Dataset (NED). AERMAP was used to assign elevations. |
| MET Data | MET data obtained from CARB used for this analysis. The base elevation of the surface station is 849.5 meters above sea level. Justification is that it is the closest MET station (~21 km to the northeast from Gem Site). The MET data includes the years 2009-2013. |

1.2.2 Ground Level Concentration

The HARP2 software multiplies the emission rates by the dispersion factors generated in the 1-hr and PERIOD plot files from AERMOD and calculates the GLCs for each pollutant at each receptor. The GLCs are used in the risk analysis portion of HARP2 to estimate risk.

1.3 Dose-Response Assessment

Dose-response assessment is the process of characterizing the relationship between exposure to a substance and incidence of an adverse health effect in exposed populations.

Dose-response assessment for cancer risk is expressed in terms of a potency slope that is used to calculate the probability or risk of cancer associated with an estimated exposure. Cancer potency factors are expressed as the 95th percentile upper confidence limit of the slope of the dose-response curve. It is assumed that cancer risk is directly proportional to dose and there is no threshold for carcinogenesis.

Cancer risk was evaluated using a multi-pathway analysis. Cancer risk for each pollutant is derived for each pathway and summed to arrive at a total cancer risk. The point of maximum impact (PMI) and maximum exposed individual resident (MEIR) could be exposed to the pollutants through inhalation, homegrown produce, dermal absorption, soil ingestion, and to a baby through its mother’s milk. The maximum exposed individual worker (MEIW) could be exposed through inhalation, soil ingestion and dermal absorption.

Dose-response assessment for non-cancer risk is expressed in Reference Exposure Levels (RELs). There are different RELs for acute and chronic non-cancer health risks. This approach is used for non-cancer risk because it is assumed that non-cancer risks have thresholds. The acute and chronic RELs are intended to be below the threshold for health effects for the general population.

The dose-response assessment and corresponding cancer potency factors and non-cancer RELs used for this HRA are contained within HARP2.

Dose-response assessment was carried out for prediction of cancer risk and non-cancer chronic and acute risk. Cancer and non-cancer chronic risk assessment was conducted to find MEIR, MEIW and PMI. Acute risk does not differentiate between the MEIR, MEIW and PMI because the hazard does not depend on long term average exposure. Dose-response assessment was carried out through multi-pathway substances and for different target organs.

Table 3, Table 4, and Table 5 present the target organs by pollutant for acute, annual chronic, and 8-hour chronic non-cancer impacts quantified in this HRA, respectively.

Table 3: Target Organ Systems by Substance for Acute

| CAS | Pollutants | Target Organs | | | | | | | | | | | |
|--------|----------------------|---------------|-----|-------|--------|------|-------------|------|------|-----|------------|------|-------|
| | | CV | CNS | IMMUN | KIDNEY | GILV | REPRO DEVEL | RESP | SKIN | EYE | BONE TEETH | ENDO | BLOOD |
| 83329 | Acenaphthene | | | | | | | | | | | | |
| 208968 | Acenaphthylene | | | | | | | | | | | | |
| 75070 | Acetaldehyde | | | | | | | | | | | | |
| 107028 | Acrolein | | | | | | | X | | X | | | |
| 120127 | Anthracene | | | | | | | X | | X | | | |
| 56553 | Benzo(a)anthracene | | | | | | | | | | | | |
| 71432 | Benzene | | | X | | | X | | | | | | X |
| 50328 | Benzo(a)pyrene | | | | | | | | | | | | |
| 205992 | Benzo(b)fluoranthene | | | | | | | | | | | | |
| 191242 | Benzo(g,h,l)perylene | | | | | | | | | | | | |
| 207089 | Benzo(k)fluoranthene | | | | | | | | | | | | |

| CAS | Pollutants | Target Organs | | | | | | | | | | | |
|---------|---------------------------|---------------|-----|-------|--------|------|-------------|------|------|-----|------------|------|-------|
| | | CV | CNS | IMMUN | KIDNEY | GILV | REPRO DEVEL | RESP | SKIN | EYE | BONE TEETH | ENDO | BLOOD |
| 218019 | Chrysene | | | | | | | | | | | | |
| 53703 | Dibenz(a,h)anthracene | | | | | | | | | | | | |
| 9901 | Diesel Particulate Matter | | | | | | | | | | | | |
| 206440 | Fluoranthene | | | | | | | | | | | | |
| 86737 | Fluorene | | | | | | | | | | | | |
| 50000 | Formaldehyde | | | | | | | | | X | | | |
| 193395 | Indeno(1,2,3-cd)pyrene | | | | | | | | | | | | |
| 91203 | Naphthalene | | | | | | | | | | | | |
| 85018 | Phenanthrene | | | | | | | | | | | | |
| 115071 | Propylene | | | | | | | | | | | | |
| 129000 | Pyrene | | | | | | | | | | | | |
| 108883 | Toluene | | X | | | | | X | | X | | | |
| 1330207 | Xylene | | X | | | | | X | | X | | | |

Table 4: Target Organ Systems by Substance for Annual Chronic

| CAS | Pollutants | Target Organs | | | | | | | | | | | |
|--------|--------------------|---------------|-----|-------|--------|------|-------------|------|------|-----|------------|------|-------|
| | | CV | CNS | IMMUN | KIDNEY | GILV | REPRO DEVEL | RESP | SKIN | EYE | BONE TEETH | ENDO | BLOOD |
| 83329 | Acenaphthene | | | | | | | | | | | | |
| 208968 | Acenaphthylene | | | | | | | | | | | | |
| 75070 | Acetaldehyde | | | | | | | X | | | | | |
| 107028 | Acrolein | | | | | | | X | | | | | |
| 120127 | Anthracene | | | | | | | | | | | | |
| 56553 | Benzo(a)anthracene | | | | | | | | | | | | |
| 71432 | Benzene | | | | | | | | | | | | X |
| 50328 | Benzo(a)pyrene | | | | | | | | | | | | |

| CAS | Pollutants | Target Organs | | | | | | | | | | | |
|---------|---------------------------|---------------|-----|-------|--------|------|-------------|------|------|-----|------------|------|-------|
| | | CV | CNS | IMMUN | KIDNEY | GILV | REPRO DEVEL | RESP | SKIN | EYE | BONE TEETH | ENDO | BLOOD |
| 205992 | Benzo(b)fluoranthene | | | | | | | | | | | | |
| 191242 | Benzo(g,h,l)perylene | | | | | | | | | | | | |
| 207089 | Benzo(k)fluoranthene | | | | | | | | | | | | |
| 218019 | Chrysene | | | | | | | | | | | | |
| 53703 | Dibenz(a,h)anthracene | | | | | | | | | | | | |
| 9901 | Diesel Particulate Matter | | | | | | | | | | | | |
| 206440 | Fluoranthene | | | | | | | | | | | | |
| 86737 | Fluorene | | | | | | | | | | | | |
| 50000 | Formaldehyde | | | | | | | X | | | | | |
| 193395 | Indeno(1,2,3-cd)pyrene | | | | | | | | | | | | |
| 91203 | Naphthalene | | | | | | | X | | | | | |
| 85018 | Phenanthrene | | | | | | | | | | | | |
| 115071 | Propylene | | | | | | | X | | | | | |
| 129000 | Pyrene | | | | | | | | | | | | |
| 108883 | Toluene | | | | | | | | | X | | | |
| 1330207 | Xylene | | X | | | | | | | X | | | |

Table 5: Target Organs for 8-hours Chronic

| CAS | Pollutants | Target Organs | | | | | | | | | | | |
|--------|--------------|---------------|-----|-------|--------|------|-------------|------|------|-----|------------|------|-------|
| | | CV | CNS | IMMUN | KIDNEY | GILV | REPRO DEVEL | RESP | SKIN | EYE | BONE TEETH | ENDO | BLOOD |
| 75070 | Acetaldehyde | | | | | | | X | | | | | |
| 107028 | Acrolein | | | | | | | X | | | | | |
| 71432 | Benzene | | | | | | | | | | | | X |
| 50000 | Formaldehyde | | | | | | | X | | | | | |
| 108883 | Toluene | | | | | | | | | X | | | |

1.4 Risk Analysis

HARP2 compares the GLCs to established cancer, chronic, and acute risk thresholds to estimate risk. Table 6 provides the parameters and options used in HARP2.

Table 6: HARP2 Model Options and Parameters

| Risk Type | Receptor Type | Exposure Duration | Method | Pathways |
|---|-----------------------------------|-------------------|---|--|
| Cancer Burden | Individual Resident | 70-year | RMP using Derived Method Fraction of time at home: 3 rd trimester to 16 years = OFF; 16 years to 30 years = ON | Inhalation, Dermal (warm), Soil, Homegrown produce, Mother's milk Deposition rate = 0.02 m/s (most particulate matter from these sources is PM2.5) |
| Cancer PMI, MEIR, and Sensitive Receptor | Individual Resident | 30-year | RMP using Derived Method Fraction of time at home: 3 rd trimester to 16 years = OFF; 16 years to 30 years = ON | Inhalation, Dermal (warm), Soil, Homegrown produce, Mother's milk Deposition rate = 0.02 m/s (most particulate matter from these sources is PM2.5) |
| Cancer MEIW | Worker | 25-year | OEHHA Derived Method 8-hr breathing rates = moderate intensity | Inhalation, Dermal (warm), Soil Deposition rate = 0.02 m/s |
| Chronic PMI, MEIR, and Sensitive Receptor | Individual Resident | Annual | OEHHA Derived Method Long-term 24-hr breathing rate | Inhalation, Dermal (warm), Soil, Homegrown produce, Mother's milk Deposition rate = 0.02 m/s |
| Chronic MEIW | Worker | Annual | OEHHA Derived Method | Inhalation, Dermal (warm), Soil Deposition rate = 0.02 m/s |
| Chronic MEIW | Worker | 8-hour | OEHHA Derived Method | Inhalation, Dermal (warm), Soil Deposition rate = 0.02 m/s |
| Acute | Individual Resident and Worker | 1-hour | OEHHA Derived Method | Inhalation |

1.4.1 Cancer Risk

Cancer risk is the estimated probability of a maximally exposed individual potentially contracting cancer as a result of exposure to TACs over an extended period of time. According to guidance, this HRA estimated cancer risk over a 30-year period for residential, sensitive, and PMI grid receptor locations and 25 years for off-site worker receptor locations.

Residential/sensitive/grid receptor cancer risk estimates were calculated using the California Air Resources Board's (ARB's) Risk Management Policy (RMP), "RMP Using the Derived Method," and off-site workplace cancer risk estimates used the "OEHHA Derived" calculation method. The RMP uses high-end breathing rates (95th percentile) for children from the 3rd trimester through age 2 and 80th percentile breathing rates for all other ages for residential exposures (ARB/CAPCOA 2015). The "OEHHA Derived" method uses high-end exposure parameters for the top two exposure pathways and mean exposure parameters for the remaining pathways for cancer risk estimates. The "RMP Using the Derived Method" combines the two approaches.

1.4.2 Chronic Hazard Index

Some TACs may have non-cancer health risk due to a long-term (chronic) exposure. The Chronic Hazard Index is the sum of the individual substance HICs for all TACs affecting the same target organ system. Chronic risk was calculated using the "OEHHA Derived" Method at all receptors for an annual exposure duration.

To ensure potential offsite worker exposure is fully assessed, an 8-hour HIC was estimated in a comparable manner to the annual HIC, even though the facility operates continuously. The 8-hour RELs were developed principally for exposure of individuals during 8-hour work schedules. OEHHA recommends estimating the 8-hour HIC based on daily average 8-hour exposure for those chemicals with 8-hour RELs at worker receptors. The annual GLCs are scaled within HARP2 to estimate 8-hour GLCs, then compared to the RELs and summed per target organ.

1.4.3 Acute Hazard Risk

Some TACs may have non-cancer health risk due to short-term (acute) exposures. Acute Hazard Index (HIA) is the sum of the individual substance HIAs for all TACs affecting the same target organ system. Acute risk was calculated at all receptors for an exposure duration of 1 hour.

1.4.4 Cancer Burden

Cancer burden is the estimated increase in the occurrence of cancer cases in a population subject to a cancer risk of greater than or equal to one in one million (1.0×10^{-6}) based on a 70-year exposure to TACs. The cancer burden is determined for the population located within the ZOI, which is defined as the area within the one in one million cancer risk isopleths for a 70-year exposure.

APPENDIX 5.9E

Detailed HRA Results for Operations Phase

Appendix 5.9E - Table 1
Maximum Cancer Risk by Pollutant at PMI, MEIR, MEIW, and Sensitive Receptor
GEM Site - HRA

| CAS | Pollutant | PMI | | MEIR | | Sensitive Receptor | | MEIW | |
|--------------|--------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|
| | | Receptor FC-GEM-17 | | Receptor RD-GEM-06 | | Receptor SR-GEM-21 | | Receptor WR-GEM-11 | |
| | | 30-Year Cancer Risk | Contribution (%) | 30-Year Cancer Risk | Contribution (%) | 30-Year Cancer Risk | Contribution (%) | 25-Year Cancer Risk | Contribution (%) |
| 83329 | Acenaphthene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 208968 | Acenaphthylene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 75070 | Acetaldehyde | 2.36E-10 | 0.00 | 2.16E-11 | 0.00 | 2.31E-12 | 0.00 | 2.15E-13 | 0.00 |
| 107028 | Acrolein | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 120127 | Anthracene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 56553 | B[a]anthracene | 5.26E-09 | 0.07 | 4.81E-10 | 0.07 | 5.15E-11 | 0.07 | 1.37E-12 | 0.02 |
| 50328 | B[a]Pyrene | 2.17E-08 | 0.30 | 1.99E-09 | 0.30 | 2.13E-10 | 0.30 | 5.65E-12 | 0.09 |
| 205992 | B[b]fluoranthene | 9.34E-09 | 0.13 | 8.55E-10 | 0.13 | 9.15E-11 | 0.13 | 2.43E-12 | 0.04 |
| 191242 | B[g,h,i]perylene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 207089 | B[k]fluoranthene | 1.84E-09 | 0.03 | 1.68E-10 | 0.03 | 1.80E-11 | 0.03 | 4.80E-13 | 0.01 |
| 71432 | Benzene | 7.27E-08 | 1.00 | 6.65E-09 | 1.00 | 7.13E-10 | 1.00 | 6.62E-11 | 1.00 |
| 218019 | Chrysene | 1.29E-09 | 0.02 | 1.18E-10 | 0.02 | 1.26E-11 | 0.02 | 3.36E-13 | 0.01 |
| 53703 | D[a,h]anthracene | 1.06E-08 | 0.15 | 9.73E-10 | 0.15 | 1.04E-10 | 0.15 | 3.01E-12 | 0.05 |
| 9901 | DieselExhPM | 7.16E-06 | 98.05 | 6.55E-07 | 98.05 | 7.02E-08 | 98.05 | 6.52E-09 | 98.56 |
| 206440 | Fluoranthene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 86737 | Fluorene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 50000 | Formaldehyde | 1.55E-09 | 0.02 | 1.42E-10 | 0.02 | 1.52E-11 | 0.02 | 1.41E-12 | 0.02 |
| 193395 | In[1,2,3-cd]pyrene | 3.49E-09 | 0.05 | 3.20E-10 | 0.05 | 3.43E-11 | 0.05 | 9.11E-13 | 0.01 |
| 91203 | Naphthalene | 1.46E-08 | 0.20 | 1.34E-09 | 0.20 | 1.43E-10 | 0.20 | 1.33E-11 | 0.20 |
| 85018 | Phenanthrene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 115071 | Propylene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 129000 | Pyrene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 108883 | Toluene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 1330207 | Xylenes | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| Total | | 7.30E-06 | 100.00 | 6.68E-07 | 100.00 | 7.16E-08 | 100.00 | 6.61E-09 | 100.00 |

Appendix 5.9E - Table 2
Maximum Cancer Risk by Source for all Pollutants at PMI, MEIR, MEIW, and Sensitive Receptor
GEM Site - HRA

| ID | Source | PMI | | MEIR | | Sensitive Receptor | | MEIW | |
|--------------|----------------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|
| | | Receptor FC-GEM-17 | | Receptor RD-GEM-06 | | Receptor SR-GEM-21 | | Receptor WR-GEM-11 | |
| | | 30-Year Cancer Risk | Contribution (%) | 30-Year Cancer Risk | Contribution (%) | 30-Year Cancer Risk | Contribution (%) | 25-Year Cancer Risk | Contribution (%) |
| 50GEN201 | Emergency Diesel Generator | 3.47E-06 | 47.5 | 3.14E-07 | 47.0 | 3.58E-08 | 49.9 | 3.30E-09 | 50.0 |
| 50GEN202 | Emergency Diesel Generator | 3.83E-06 | 52.5 | 3.55E-07 | 53.0 | 3.58E-08 | 50.1 | 3.31E-09 | 50.0 |
| Total | | 7.30E-06 | 100.00 | 6.68E-07 | 100.00 | 7.16E-08 | 100.00 | 6.61E-09 | 100.00 |

Appendix 5.9E - Table 3
Maximum Chronic Hazard Index by Pollutant at PMI, MEIR, MEIW, and Sensitive Receptor
GEM Site - HRA

| CAS | Pollutant | PMI | | MEIR | | Sensitive Receptor | | MEIW | | MEIW | |
|--------------|--------------------|-------------------------------|------------------|-------------------------------|------------------|-------------------------------|------------------|-------------------------------|------------------|--------------------------------|------------------|
| | | Receptor FC-GEM-17 | | Receptor RD-GEM-06 | | Receptor SR-GEM-21 | | Receptor WR-GEM-11 | | Receptor WR-GEM-11 | |
| | | Chronic Hazard Index - Annual | Contribution (%) | Chronic Hazard Index - Annual | Contribution (%) | Chronic Hazard Index - Annual | Contribution (%) | Chronic Hazard Index - Annual | Contribution (%) | Chronic Hazard Index - 8-Hours | Contribution (%) |
| 83329 | Acenaphthene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 208968 | Acenaphthylene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 75070 | Acetaldehyde | 2.49E-07 | 0.01 | 2.28E-08 | 0.01 | 2.44E-09 | 0.01 | 2.73E-09 | 0.01 | 1.27E-09 | 0.03 |
| 107028 | Acrolein | 3.12E-05 | 1.33 | 2.85E-06 | 1.33 | 3.06E-07 | 1.33 | 3.41E-07 | 1.33 | 1.71E-07 | 4.04 |
| 120127 | Anthracene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 56553 | B[a]anthracene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 50328 | B[a]Pyrene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 205992 | B[b]fluoranthene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 191242 | B[g,h,i]perylene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 207089 | B[k]fluoranthene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 71432 | Benzene | 3.58E-04 | 15.25 | 3.28E-05 | 15.25 | 3.51E-06 | 15.25 | 3.92E-06 | 15.25 | 3.92E-06 | 92.67 |
| 218019 | Chrysene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 53703 | D[a,h]anthracene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 9901 | DieselExhPM | 1.92E-03 | 81.93 | 1.76E-04 | 81.93 | 1.89E-05 | 81.93 | 2.11E-05 | 81.93 | 0.00E+00 | 0.00 |
| 206440 | Fluoranthene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 86737 | Fluorene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 50000 | Formaldehyde | 1.21E-05 | 0.52 | 1.11E-06 | 0.52 | 1.19E-07 | 0.52 | 1.33E-07 | 0.52 | 1.33E-07 | 3.14 |
| 193395 | In[1,2,3-cd]pyrene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 91203 | Naphthalene | 2.00E-05 | 0.85 | 1.83E-06 | 0.85 | 1.96E-07 | 0.85 | 2.19E-07 | 0.85 | 0.00E+00 | 0.00 |
| 85018 | Phenanthrene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 115071 | Propylene | 1.29E-06 | 0.05 | 1.18E-07 | 0.05 | 1.26E-08 | 0.05 | 1.41E-08 | 0.05 | 0.00E+00 | 0.00 |
| 129000 | Pyrene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 108883 | Toluene | 9.26E-07 | 0.04 | 8.48E-08 | 0.04 | 9.08E-09 | 0.04 | 1.01E-08 | 0.04 | 5.13E-09 | 0.12 |
| 1330207 | Xylenes | 3.82E-07 | 0.02 | 3.49E-08 | 0.02 | 3.74E-09 | 0.02 | 4.18E-09 | 0.02 | 0.00E+00 | 0.00 |
| Total | | 2E-03 | 100.00 | 2E-04 | 100.00 | 2E-05 | 100.00 | 3E-05 | 100.00 | 4E-06 | 100.00 |

Appendix 5.9E - Table 4
Maximum Chronic Hazard Index by Source for all Pollutants at PMI, MEIR, MEIW, and Sensitive Receptor
GEM Site - HRA

| ID | Source | PMI | | MEIR | | Sensitive Receptor | | MEIW | | MEIW | |
|--------------|----------------------------|-------------------------------|------------------|-------------------------------|------------------|-------------------------------|------------------|-------------------------------|------------------|--------------------------------|------------------|
| | | Receptor FC-GEM-17 | | Receptor RD-GEM-06 | | Receptor SR-GEM-21 | | Receptor WR-GEM-11 | | Receptor WR-GEM-11 | |
| | | Chronic Hazard Index - Annual | Contribution (%) | Chronic Hazard Index - Annual | Contribution (%) | Chronic Hazard Index - Annual | Contribution (%) | Chronic Hazard Index - Annual | Contribution (%) | Chronic Hazard Index - 8-Hours | Contribution (%) |
| 50GEN201 | Emergency Diesel Generator | 9.45E-04 | 47.51 | 8.55E-05 | 46.95 | 9.74E-06 | 49.94 | 1.09E-05 | 49.98 | 1.96E-06 | 49.98 |
| 50GEN202 | Emergency Diesel Generator | 1.04E-03 | 52.49 | 9.66E-05 | 53.05 | 9.76E-06 | 50.06 | 1.09E-05 | 50.02 | 1.96E-06 | 50.02 |
| Total | | 1.99E-03 | 100.00 | 1.82E-04 | 100.00 | 1.95E-05 | 100.00 | 2.18E-05 | 100 | 3.92E-06 | 100.00 |

Appendix 5.9E - Table 5
Maximum Acute Hazard Index by Pollutant at PMI, MEIR, MEIW, and Sensitive Receptor
GEM Site - HRA

| CAS | Pollutant | PMI | | MEIR | | Sensitive Receptor | | MEIW | |
|--------------|--------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|
| | | Receptor FC-GEM-08 | | Receptor RD-GEM-06 | | Receptor SR-GEM-22 | | Receptor WR-GEM-05 | |
| | | Acute Hazard Index | Contribution (%) | Acute Hazard Index | Contribution (%) | Acute Hazard Index | Contribution (%) | Acute Hazard Index | Contribution (%) |
| 83329 | Acenaphthene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 208968 | Acenaphthylene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 75070 | Acetaldehyde | 2.46E-05 | 0.16 | 1.40E-05 | 0.16 | 5.83E-07 | 0.16 | 7.32E-07 | 0.16 |
| 107028 | Acrolein | 1.45E-03 | 9.42 | 8.22E-04 | 9.42 | 3.42E-05 | 9.42 | 4.30E-05 | 9.42 |
| 120127 | Anthracene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 56553 | B[a]anthracene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 50328 | B[a]Pyrene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 205992 | B[b]fluoranthene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 191242 | B[g,h,i]perylene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 207089 | B[k]fluoranthene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 71432 | Benzene | 1.32E-02 | 85.94 | 7.50E-03 | 85.94 | 3.12E-04 | 85.94 | 3.92E-04 | 85.94 |
| 218019 | Chrysene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 53703 | D[a,h]anthracene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 9901 | DieselExhPM | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 206440 | Fluoranthene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 86737 | Fluorene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 50000 | Formaldehyde | 6.59E-04 | 4.29 | 3.74E-04 | 4.29 | 1.56E-05 | 4.29 | 1.96E-05 | 4.29 |
| 193395 | In[1,2,3-cd]pyrene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 91203 | Naphthalene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 85018 | Phenanthrene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 115071 | Propylene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 129000 | Pyrene | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 | 0.00E+00 | 0.00 |
| 108883 | Toluene | 2.58E-05 | 0.17 | 1.47E-05 | 0.17 | 6.11E-07 | 0.17 | 7.67E-07 | 0.17 |
| 1330207 | Xylenes | 4.03E-06 | 0.03 | 2.29E-06 | 0.03 | 9.54E-08 | 0.03 | 1.20E-07 | 0.03 |
| Total | | 1.5.E-02 | 100.00 | 8.7E-03 | 100.00 | 3.64E-04 | 100.00 | 4.57E-04 | 100.00 |

Appendix 5.9E - Table 6
Maximum Acute Hazard Index by Source for all Pollutants at PMI, MEIR, MEIW, and Sensitive Receptor
GEM Site - HRA

| ID | Source | PMI | | MEIR | | Sensitive Receptor | | MEIW | |
|--------------|----------------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|
| | | Receptor FC-GEM-08 | | Receptor RD-GEM-06 | | Receptor SR-GEM-22 | | Receptor WR-GEM-05 | |
| | | Acute Hazard Index | Contribution (%) | Acute Hazard Index | Contribution (%) | Acute Hazard Index | Contribution (%) | Acute Hazard Index | Contribution (%) |
| 50GEN201 | Emergency Diesel Generator | 1.32E-02 | 100.00 | 7.50E-03 | 100.00 | 3.12E-04 | 100.00 | 3.92E-04 | 100.00 |
| 50GEN202 | Emergency Diesel Generator | --- | --- | --- | --- | --- | --- | --- | --- |
| Total | | 1.32E-02 | 100.00 | 7.50E-03 | 100.00 | 3.12E-04 | 100.00 | 3.92E-04 | 100.00 |

APPENDIX 5.9F

**Electronic Modeling Files
(submitted electronically)**