U.S. Department of Housing and Urban Development
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Environmental Assessment
Determinations and Compliance Findings for HUD-assisted Projects
24 CFR Part 58

This is a suggested format that may be used by Responsible Entities to document completion of an Environmental Assessment.

Project Information

Project Name:	Collette's Children's Home Placentia Hope Project 1038 Cypress
Responsible Entity:	OC Housing & Community Development 1501 E. Saint Andrew Place Santa Ana, California 92705
Grant Recipient (if different than Responsible Entity):	
State/Local Identifier:	CA/059
Preparer:	Suzanne Harder, OC Housing and Community Development
Certifying Officer Name and Title:	Julia Bidwell, Director OC Housing & Community Development
Grant Recipient (if different than Responsible Entity):	
Consultant (if applicable):	Jonathan Rigg, Dudek 605 NE 21st Street, Suite 200 Portland, Oregon 97232 503.956.1444
Direct Comments to:	Suzanne Harder: suzanne.harder@occr.ocgov.com

Project Location:

The proposed Collette's Children's Home Project (referred throughout this Environmental Assessment as the proposed project or project) would be located at 1038 Cypress Street, in the City of Placentia, California, 92870 (refer to Figure 1, Project Location). The project site consists of approximately 0.1 acres and is currently occupied by a single two-story building, which is composed of four units total, and the associated garages. The site is on Assessor's Parcel Number 344-282-34 and is currently zoned High Density Residential. The site is bordered by residential properties to the north, south, and west. The property is bounded by industrial/ commercial land uses, such as Triumph Geo-Synthetics and Quest Events, and the Orange Freeway (CA State Route [SR] 57) to the east.

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

The proposed affordable housing project would involve the construction of (1) one-bedroom and (1) two-bedroom apartment additions over the existing garage space at 1038 Cypress Street, a building currently owned and maintained by Collette's Children's Home. Addition of these new housing units would increase the density of affordable housing units on site from four to six apartments. Renovation activities for the proposed project include improving foundation footings beneath the garage to support the proposed development, unit framing, installation of garage supports, staircase entry, utility connections, cabinets, flooring, water heaters and heating units, and painting of the interior and exterior of the new units. The proposed project is a partnership between Orange County (County) and Collette's Children's Home, a nonprofit focused on providing single women experiencing homelessness and mothers and their children experiencing homelessness a safe home and nurturing environment where they obtain compassionate support and services needed to achieve self-sufficiency.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

As demand increases for Orange County services and Orange County's population increases, the need for additional housing and access to government services has also increased.

The proposed project's objectives are as follows:

- Create new affordable, safe, attractive, and service-enriched residences for low-income individuals experiencing homelessness.
- Create a housing community that fits into and improves the existing neighborhood in style, texture, scale, and relation to the street.

Existing Conditions and Trends [24 CFR 58.40(a)]:

The proposed project site is currently occupied by a single two-story residential building, composed of four apartment units and an attached, unoccupied garage. The existing property on site was constructed circa 1964 and contains a slab foundation.

- East: Industrial/Commercial (Residential Design Services and Vortex Doors), and the Orange Freeway (CA State Route 57)
- West: Residential
- North: Residential
- South: Residential

Funding Information

Grant Number	HUD Program	Funding Amount
B-22-UC-06-0504	CDBG	350,000

Estimated Total HUD Funded Amount: $350,000

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]**: $420,000**

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes ☐ No ☒	According to the U.S. Environmental Protection Agency's (EPA) NEPAssist tool (https://nepassisttool.epa.gov//nepamap.aspx) ,there are no military airports within 15,000

		feet of the subject property, or civilian airports within 2,500 feet of the subject property (EPA 2023a). The proposed undertaking is in compliance with the U.S. Department of Housing and Urban Development's (HUD) airport hazards regulations, and no mitigation is warranted. The nearest airports are the Fullerton Municipal Airport (approximately 15 miles south of the project site) and the Long Beach Airport (approximately 19.3 miles west of the site). The project is in compliance with airport hazards requirements (see **Attachment 1; ERR 1**).
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No ☒	According to Coastal Barrier Resources System (CBRS) information (https://fwsprimary.wim.usgs.gov/v2/), there are no units of the CBRS in California, and the project site is not within a CBRS unit (USFWS 2019). Therefore, the project is in compliance with HUD's CBRS regulations, and no mitigation is warranted. The project is in compliance with the Coastal Barrier Resources Act (see **Attachment 2; ERR 2**).
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes ☐ No ☒	According to Federal Emergency Management Agency's Flood Insurance Rate Map No. 06059C0132J, effective December 3, 2009 (https://msc.fema.gov/portal/home), the project site is within Zone X (0.2% Annual Chance Flood Hazard) (FEMA 2012). The project site is designated as an area between the 100-year base flood zone and the 500-year flood zone. Thus, the flood potential for the project site is moderate. According to the National Flood Insurance Program's (NFIP) Community Status Book (https://www.fema.gov/flood-insurance/work-with-nfip/community-status-book), the project site is in Community ID 060229#, which is a participating community in the NFIP. However, because no structures or insurable properties are within a Special Flood Hazard Area, flood insurance is not required under the NFIP. Although flood insurance may not be mandatory in this instance, HUD recommends that all insurable structures maintain flood insurance under the NFIP. The project is in compliance with flood insurance requirements (see **Attachment 3; ERR 3**).

STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes ☐ No ☒	The proposed project falls under the jurisdiction of the South Coast Air Quality Management District (SCAQMD) within the South Coast Air Basin. According to the EPA, the SCAQMD is currently in a nonattainment zone for federal ozone (8-hour ozone), ozone (1-hour ozone), and particulate matter from greenhouse gases (fine particulate matter [$PM_{2.5}$]). Federal ozone in Orange County has been classified as extreme, and $PM_{2.5}$ has been classified as moderate (EPA 2022). According to NEPAssist, which uses the EPA's Office of Air and Radiation data, the SCAQMD is in a maintenance zone for coarse particulate matter (PM_{10}), carbon monoxide (CO), and nitrogen dioxide (NO_2). The SCAQMD is in attainment for all other criteria pollutants. To meet HUD air quality guidelines, the proposed project must follow the State Implementation Plan, which describes how an area will meet national and ambient air quality standards. State Implementation Plan guidelines require the proposed project to keep its criteria pollutant emissions below SCAQMD's significance thresholds (SCAQMD 2019). The project site's location close to public transportation is consistent with regional efforts to improve transit availability and would reduce the amount of emissions ($PM_{2.5}$) associated with motor vehicle travel. By developing affordable housing consistent with the growth anticipated by the City's General Plan and existing zoning and land use designations, the proposed project is in compliance with the Regional Air Quality Strategy, State Implementation Plan, and Air Quality Management Plan for this locality. Air quality at the project site would be minimally impacted by fugitive dust (PM_{10}) and other particulate air pollutants ($PM_{2.5}$) since ground-disturbing activities, such as land

		clearing and grading, would not be needed on site. Exhaust emissions (oxides of nitrogen [NOx] and CO) released by heavy construction vehicles would also be minimal since construction vehicles related to clearing and grading would not be present on site. (see **ERR 4**).
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes ☐ No ☒	According to the California Coastal Commission's Coastal Zone boundary maps (https://www.coastal.ca.gov/maps/czb/), the project site is not within the Coastal Zone (CCC 2019). Therefore, the proposed undertaking is in compliance with HUD's Coastal Zone Management Act regulations, and no mitigation is warranted. The project is in compliance with the Coastal Zone Management Act (see **Attachment 4; ERR 5**).
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes ☐ No ☒	A Phase I Environmental Assessment was not conducted for the proposed project site since the property would not change ownership, and no ground-disturbing activities would occur. Barr & Clark Independent Environmental Testing (Barr & Clark) assessed the potential for asbestos-containing materials (ACMs) and lead-based paints (LBPs) on site in two inspection reports completed in March 2023. Asbestos sampling was patterned after the Asbestos School Hazard Emergency Response Act (40 CFR 763 Subpart E). Physical bulk samples were collected from the project site and analyzed for ACM by an independent environmental laboratory. Samples were taken from the exterior stucco and roofing. Asbestos was not detected in any of the samples collected from the exterior of the garage. Lead-based paints were sampled using a Heuresis/Viken Pb200i Lead Paint Analyzer (x-ray fluorescence) XRF spectrum analyzer instrument. Testing was completed according to the inspection protocol in Chapter 7 of HUD's Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. The instrument was operated in "Quick Mode," and calibration was verified

		according to the manufacturer's specifications in compliance with the Performance Characteristic Sheet for this instrument. Only the accessible areas of the building exteriors of the garage were sampled. None of the paint samples collected from the exterior of the garage indicated the presence of LBPs at or above the respective action level. Since none of the tested exterior painted surfaces indicated the presence of LBPs at or above the respective action level, no further exterior LBP testing is required at this time. Both the ACM and LBP assessments conducted by Barr and Clark were limited surveys that only tested materials on the exterior of the garage at the proposed project site. As a result, ACMs and LBPs could exist inside the garage that were not identified and sampled. However, interior garage work will be limited to improving the foundation footings. Since ACMs and LBPs were not identified in the samples collected, Barr and Clark do not propose any formal mitigation (see **Attachments 5 and 6; ERR 6**).
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes ☐ No ☒	Due to the urban and commercial setting surrounding the project site, no federally listed special-status plant or wildlife species are expected to be present on site. A search of the U.S. Fish and Wildlife Service's Information for Planning and Consultation (IpaC) service (https://ipac.ecosphere.fws.gov/) identified seven threatened or endangered species potentially occurring on the project site, as follows (USFWS 2020a): **Birds:** Coastal California gnatcatcher (*Polioptila californica californica*) **Flowering Plants:** Ventura marsh milk-vetch (*Astragalus pycnostachyus* var.) **Insects:** Monarch butterfly (*Danaus plexippus*) As stated in the IpaC report and confirmed through NEPAssist mapping of the project site,

		although the general habitat ranges of these three species overlap with the project location, their critical habitat areas do not intersect with the project site (USFWS 2020a). Given the urbanized nature of the project site and scarcity of on-site native vegetation, it is unlikely that any special-status species would occur on site due to a lack of suitable habitat. Therefore, the proposed project would not impact wildlife movement, migration, or nursery sites (see **Attachment 7; ERR 7**).
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes ☐ No ☒	Explosive or flammable hazardous materials would not be present at the project site, which would provide two affordable housing units. A search of the California Environmental Protection Agency's (CalEPA) website for aboveground petroleum storage and chemical storage sites was also completed to identify aboveground flammable materials storage within a 1-mile radius of the project site. There were no aboveground storage tanks identified in the CalEPA review. However, 67 sites within a 1-mile radius were identified as having chemicals stored on site (CalEPA 2023). Chemicals listed at each site were checked against the Specific Hazardous Substances list (Appendix I to Subpart C of Part 51), which lists specific petroleum products and chemicals defined to be hazardous substances under Section 51.201. HUD's Acceptable Separation Distance (ASD) Assessment Tool was used to calculate the minimum separation distance between the project site and the CalEPA sites containing chemicals included on the Hazardous Substances List. All sites were farther away from the proposed project than the minimum Acceptable Separation Distance required by HUD. Therefore, the proposed project would not expose residents or the surrounding community to dangerous explosive or flammable hazards (see **Attachment 8; ERR 8**).
Farmlands Protection Farmland Protection Policy Act of 1981, particularly	Yes ☐ No ☒	The proposed project is in an urban setting on land designated as Urban and Built-Up Land by the California Department of Conservation. The land surrounding the project site is also

sections 1504(b) and 1541; 7 CFR Part 658		classified as Urban. The immediate neighborhood is a mixture of residential, commercial retail, and restaurant uses (DOC 2016). The site is bordered by residential properties to the north, south, and west. The property is bounded by industrial/commercial land uses, such as Triumph Geo-Synthetics and Quest Events, as well as the Orange Freeway (CA SR- 57) to the east. Because the proposed project would be on previously disturbed land, it would not threaten existing farmlands. Therefore, the proposed project complies with the Farmland Protection Policy Act (see **Attachment 9; ERR 9**).
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes ☐ No ☒	According to Federal Emergency Management Agency's Flood Insurance Rate Map No. 06059C0132J, effective on December 3, 2009 (https://msc.fema.gov/portal/home), the project site is within Zone X (shaded), designating areas that having a 0.2% Annual Chance Flood Hazard (FEMA 2012). The project site is designated as an area between the 100-year base flood zone and the 500-year flood zone. Thus, the flood potential for the project site is moderate. HUD requires critical actions (e.g., hospitals, nursing homes, police stations, fire stations, and roadways providing sole egress from flood-prone areas) to comply with 24 CFR Part 55 when they are located in the 500-year floodplain. Since the proposed project is not considered a critical action by HUD's definition, the project may proceed without completing the 8-step process. Therefore, the project is in compliance with Executive Order 11988 (see **Attachment 3; ERR 10**).
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes ☐ No ☒	The California State Historic Preservation Office (SHPO) was consulted in August 2022 to identify the presence of any known historic or cultural resources on the project site. Pursuant to 36 CFR 800.4(d), the SHPO did not find evidence that any historic resources would be impacted by the proposed development. The County determined that Collette's Children's Home is not eligible for listing in the National Register of Historic Places, and the SHPO concurred with this determination (see **Attachment 10)**. Historic resources are not

		anticipated to be discovered during construction of the proposed project since no ground-disturbing activities would occur. There are no federally recognized tribes culturally affiliated with the project site, and there are no historic resources on site. Therefore, the proposed project is in compliance with the National Historic Preservation Act (see **ERR 11**).
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes ☒ No ☐	**Construction Noise.** A temporary increase in noise levels would be expected during the renovation and construction phase of the proposed project. Noise would be generated by construction equipment and the delivery of materials, among other activities. Increases in ambient noise levels would be restricted to daytime hours and would comply with applicable thresholds outlined in Chapter 8.24, Noise Control, of the Orange County Code of Ordinances. **Operational Noise.** The proposed project is not expected to have an adverse impact on ambient noise levels during the operational phase. The primary noise source in the project vicinity is motor vehicle traffic. The eastern façade of the proposed residential units would face the southbound lanes of the SR-57 freeway, separated by an existing noise barrier (i.e., a soundwall) approximately 16 feet in height constructed at the California Department of Transportation right-of-way. An initial noise analysis of traffic noise from the SR-57 carried out using HUD's Day/Night Noise Level (DNL) Calculator indicated that worst-case exterior building façade noise levels would be approximately 81 A-weighted decibels (dBA) DNL. However, because the DNL Calculator does not account for site conditions such as the existing 16-foot-high sound wall, this modeled noise level was deemed to be an overestimate, and a more detailed traffic noise model was used. Noise Model (TNM), version 2.5, was used to perform a more detailed noise analysis. The

		TNM prediction software calculates the noise levels based on specific information, including traffic volumes, vehicle fleet mix, speed limits, roadway geometrics, receiver elevations, intervening structures, and lateral distances between the noise receivers and the roadways. Details on the parameters and data used to run the TNM for the site are included in the Technical Noise Memorandum (**Attachment 11**). The rooms facing east and closest to the SR-57 freeway at the proposed project would experience the highest noise levels. Traffic noise levels at this side of the building's façade are predicted to range from 67 to 72 dBA DNL at the first and second floors, respectively. Thus, the exposure from traffic noise along SR-57 would exceed the HUD exterior noise standard of 65 dBA DNL by up to 7 dB at the façade of units nearest these roadways, putting these receivers in the "normally unacceptable" noise range. Noise levels at the second-floor level of the proposed project (building façades facing north, south, and west) would also exceed the HUD exterior noise standard of 65 dBA DNL and would be in the "normally unacceptable" noise range. At the other portions of the building traffic noise levels would not exceed the HUD exterior noise standard of 65 dBA DNL. Typical new construction of multifamily homes with windows closed provides a minimum of 25 decibel (dB) exterior-to-interior noise reduction. To help reduce indoor noise levels, residential units would be equipped with a forced-air heating, ventilation, and air conditioning (HVAC) unit that allows for a "windows closed" condition (i.e., windows do not need to be left open for ventilation) **(MM-NOI-1**). As such, the interiors of the proposed habitable rooms in the first building row with doors or windows facing east toward SR-57 are anticipated to have noise levels of approximately 47 dBA DNL (i.e., 72 dBA exterior – 25 dBA attenuation = 47 dBA). The interiors of

		the proposed habitable rooms facing north and south, with perpendicular exposures to SR-57 are anticipated to have noise levels of as much as 46 dBA DNL (i.e., 71 dBA exterior – 25 dBA attenuation = 46 dBA interior) or less. Nonetheless, in order to ensure compliance with 24 CFR Part 51, Subpart B and that the HUD noise standard of 45 dBA DNL is not exceeded, the detailed architectural design plans (when these are prepared) shall provide the following specification for upgraded windows: all windows and doors in the north- and east-facing residential units on the second floor shall have a Sound Transmission Class (STC) rating of 35 or greater **(MM-NOI-2**) and all windows and doors in the south-facing residential units on the second floor shall have a STC rating of 30 or greater **(MM-NOI-3**) (see **Attachment 11; ERR 12**).
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes ☐ No ☒	The EPA's Map of Sole Source Aquifer Locations (https://www.epa.gov/dwssa/map-sole-source-aquifer-locations) was used to identify sole-source aquifers in the vicinity of the project site (EPA 2023b). There are no sole-source aquifers in California (see **Attachment 12; ERR 13**). The proposed project is in compliance with the Safe Drinking Water Act.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes ☐ No ☒	The U.S. Fish and Wildlife Service's National Wetland Inventory mapper (https://www.fws.gov/program/national-wetlands-inventory/wetlands-mapper) was used to identify wetlands on or near the project site. There are no wetlands on the project site (see **Attachment 13; ERR 14**). The closest wetland is Carbon Creek, a freshwater stream approximately 0.23 miles northwest of the project site that drains into a freshwater pond (USFWS 2020b). The proposed project is in compliance with Executive Order 11990.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes ☐ No ☒	The EPA's NEPAssist interactive map (https://nepassisttool.epa.gov/nepassist/nepamap.aspx) was used to determine the location of designated Wild and Scenic Rivers in the vicinity of the project site. There are no designated Wild and Scenic Rivers on the project site (EPA 2023a; see **Attachment 14;**

		ERR 15). The closest protected waterway is Deep Creek River, approximately 61 miles northeast of the project site. Therefore, the proposed project is in compliance with the Wild and Scenic Rivers Act.
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes ☐ No ☒	**Construction**: Potential adverse impacts to air quality and noise during project construction would be temporary and localized and would be avoided, reduced, or mitigated through incorporation of design features, compliance with applicable regulations and policies, and implementation of mitigation measures. Therefore, project construction would not have disproportionate adverse impacts to minority or low-income populations. **Operation**: Once constructed, the proposed project would have a beneficial impact to the Placentia community by adding two apartment units to the City's housing stock. The two apartment units would be reserved for single women experiencing homelessness and mothers and their children experiencing homelessness. The project would not displace any residents or existing businesses. Because the project does not expose residents or community members to adverse environmental impacts or negatively impact social welfare, it would not violate Executive Order 12898 (**see ERR 16**).

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27]:

Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features, and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable, and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

(1) Minor beneficial impact

(2) No impact anticipated

(3) Minor Adverse Impact – May require mitigation

(4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The project site consists of approximately 0.1 acres and is currently occupied by Collette's Children's Home in a single two-story building, which is composed of four units total and the associated unoccupied garages. The site is currently zoned as High Density Residential. Therefore, the proposed project would be in compliance with local land use and zoning designations.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	**Soil Suitability.** The U.S. Department of Agriculture Web Soil Survey tool was used to determine soil types present on site. Soils on site are classified as Metz loamy sand on 0% to 2% slopes. To depths up to 17 inches, the soil profile is loamy sand, while at depths between 17 to 63 inches the soil profile is stratified sand to fine sandy loam. According to the report, this soil is somewhat excessively drained. **Slope and Drainage.** Slope measurements for the project site were obtained through review of the Anaheim, California, Topographic Quadrangle, published by the U.S. Geological Survey in 2022. According to this review, the site is at an elevation of approximately 200 feet above mean sea level and is relatively flat (USGS 2022). **Erosion and Stormwater Runoff.** Erosion due to stormwater runoff at the project site would be minimized by the lack of exposed soils. Overall runoff on site would not be impacted by the proposed project since the site is already covered by concrete and other impervious surfaces. Water would flow into stormwater drains on the adjoining streets and public rights-of-way, which are connected to the municipal owned and maintained stormwater system. Water that enters the City's storm drains flows through rivers and ultimately ends up unfiltered in the Pacific Ocean (City of Placentia 2023a).
Hazards and Nuisances	3	**Hazardous Materials.** Explosive or flammable hazardous materials would not be present at the project site, which would provide two affordable housing units reserved for single women

including Site Safety and Noise		experiencing homelessness and mothers and their children experiencing homelessness. Although a walk-through of the project site was not completed, since the existing building on site currently contains four occupied apartment units, hazardous materials or petroleum would likely not be present at the project site. **Site Safety.** The proposed project would not create a risk of explosion, release of hazardous substances, or other dangers to public health. The project site is not near any hazardous operations. The project would provide a safe place for customers, employees, and residents. Although no site safety hazards or nuisances are present at the site, it is possible that during construction of the project, construction traffic, noise, dust, and vapor encroachment could be considered a nuisance to the construction crew or immediate neighbors. As discussed in the Stormwater section above, BMPs and mitigation measures would be implemented to prevent health and safety risks to construction workers and neighbors. **Noise.** A temporary increase in noise would occur during the construction phase of the proposed project. Increased noise levels would adhere to limits set by Orange County for construction impacts on noise-sensitive land uses. Noise increases would occur during daylight hours, with no adverse impacts anticipated. Operational noise sources would include project-generated traffic and recreational spaces. However, based on the small size of the proposed project, only minimal increases in noise are expected. Operational noise would comply with Orange County Noise Control Ordinances. As mentioned previously, the proposed project would require implementation of mitigation measures (**MM-NOI-1, MM-NOI-2, MM-NOI-3**) to be compliant with HUD interior and exterior noise thresholds.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	1	Project construction could generate a limited number of temporary construction jobs, and operation would not generate any new positions. Construction activities could result in direct economic effects related to increased spending on construction materials, equipment, and services. The magnitude of the economic benefits of construction spending to the City's

		economy would depend on the proportion of employment, goods, and services procured from local residents and businesses, and would likely have a relatively minor benefit on the City's economy.
Demographic Character Changes, Displacement	1	Because the two-unit proposed project would be built as an addition to an existing building, the development would not adversely affect community character or displace existing residents. The new apartments would be built over the existing garage at the project site. Increasing affordable housing units supports the housing priorities detailed in the Orange County Consolidated Plan by creating accommodations for individuals experiencing homelessness. As a result, the proposed project would have a positive impact on community character while remaining compliant with existing land use designations.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	Given the availability of educational institutions in the area, adverse impacts to schools are not anticipated. The project is near multiple educational facilities, as follows: • Melrose Elementary School approximately 0.4 miles northeast of the proposed project site • Commonwealth Elementary School, about 2 miles northwest of the proposed project site • Kraemer Middle School, approximately 2.4 miles northeast of the proposed project site • Ladera Vista Junior High School of the Arts, about 2.6 miles northwest of the proposed project site • El Camino Real High School, approximately 2.8 miles east of the proposed project site
Commercial Facilities	2	No adverse impacts to surrounding commercial facilities are anticipated. The project site is bordered by residential and industrial/commercial land uses.
Health Care and Social Services	2	Adverse impacts to healthcare and social services are not anticipated due to the relatively small size of the project and availability of service providers near the project site. The project site is near numerous healthcare facilities, including the following: • Concentra Urgent Care at 640 South Placentia Avenue, Placentia, California 92870, approximately 1.1 miles north of the proposed project site

		• Kaiser Permanente Orange County–Anaheim Medical Center at 3440 East La Palma Avenue, Anaheim, California 92806, approximately 2.9 miles southeast of the proposed project site • Anaheim Regional Medical Center at 1111 West La Palma Avenue, Anaheim, California 92801, approximately 4 miles west of the proposed project site • Placentia–Linda Hospital at 1301 North Rose Drive, Placentia, California 92870, about 4.1 miles northeast of the proposed project site • St. Jude Medical Center at 101 East Valencia Mesa Drive, Fullerton, California 92835, about 5.6 miles northwest of the proposed project site
Solid Waste Disposal / Recycling	2	Solid waste disposal at the project site would be provided by Republic Services, located at 1131 North Blue Gum Street, Anaheim, California 92806. The City of Placentia contracts with Republic Services to provide weekly residential, multifamily, and commercial waste collection services. According to the City's webpage, waste collection at the proposed project site would occur on Wednesdays. All waste generated during the construction and operational phases would be properly disposed of and recycled where possible. The amount of solid waste generated by the proposed project during the construction and operational phases would be a fraction of the throughput taken in by Republic Services daily. Republic Services provides free curbside pickup of large and bulky items for single-family residents up to three times per year (with up to 10 items per pickup) (City of Placentia 2019). Additional information about acceptable items for pickup are provided on both the City of Placentia and Republic Services websites. Adverse impacts from solid waste disposal associated with the proposed project are not anticipated.
Waste Water / Sanitary Sewers	2	The City of Placentia operates and maintains 84 miles of gravity sanitary sewer pipelines that serve the majority of parcels within the 6.6 square mile City limits. The City's wastewater collection system conveys untreated wastewater to the Orange County Sanitation District's (OCSD) trunk sewer system via 35 separate connections. OCSD conveys, treats, and disposes of the City's wastewater flows via OCSD treatment plants (City of Placentia 2023b). According to the OCSD's Overview and Compliance document, the OCSD operates and maintains two treatment plants, Reclamation Plant No. 1 and Treatment Plant No. 2, as well as 552 miles of collection system sewers and 17 outlying pump stations. Treated wastewater is discharged into the Pacific Ocean in strict and consistent compliance with state and federal

		requirements, as set forth in OCSD's National Pollutant Discharge Elimination System Permit, with the exception of approximately 8.45 million gallons per day that is reclaimed at facilities operated by the Orange County Water District (OCSD 2022).
Water Supply	2	According to the City's website, Golden State Water (GSW) Company is responsible for providing a majority of the City of Placentia's residential water service. Yorba Linda Water District (YLWD) provides the remaining portion of the City's residential water services. GSW provides water services to approximately 15,500 customers. Water delivered to customers in the Placentia–Yorba Linda system is a blend of groundwater pumped from the Orange County Groundwater Basin and imported water from the Colorado River Aqueduct and the State Water Project (imported and distributed by the Metropolitan Water district of Southern California) (GSW 2023). YLWD obtains some of their water locally through wells located within 1 mile of their headquarters at 1717 E. Miraloma Avenue, Placentia, California 92870. The wells tap an underground aquifer that underlies most of northern Orange County known as the Orange County Groundwater Basin. Approximately 45% of YLWD's drinking water is purchased from the Municipal Water District of Orange County, which obtains water from the Metropolitan Water District of Southern California (YLWD 2023).
Public Safety - Police, Fire and Emergency Medical	2	The Placentia Police Department provides law enforcement services to the City of Placentia. The Placentia Police Department's offices are located at 401 East Chapman Avenue, Placentia, California 92870, approximately 1.9 miles northeast of the project site. The proposed project site is located near three fire stations in the cities of Placentia, Fullerton, and Anaheim in Orange County. Anaheim Fire Station 5 is the closest fire station to the project site and is at 2540 E. La Palma Avenue, Anaheim California 92806, approximately 1.4 miles southwest of the project site. Placentia Fire and Life Safety Station 1, approximately 2.2 miles northeast of the project site at 110 South Bradford Avenue, Placentia, California 92870, could also provide emergency services. Finally, Fullerton Fire Department Station 3, about 2 miles northwest of the proposed project site could administer emergency services if needed. The proposed project would have a negligible increase in demand for police, fire, and emergency medical services by adding two apartment units to the project site. Additionally, the proposed project would be required to comply with all applicable codes for fire safety and emergency access. Therefore, the project would not have adverse impacts on public safety.

Parks, Open Space and Recreation	2	Public recreational spaces in proximity to the project site include the following: • McFadden Park at 900 South Melrose Street, Placentia, California 92870, approximately 0.8 miles northeast of the proposed project site • Pioneer Park at 2565 East Underhill Avenue, Anaheim, California 92805, about 1.8 miles north of the proposed project site • Kraemer Memorial Park at 201 Bradford Avenue, Placentia, California 92870, approximately 1.5 miles north of the proposed project site • Chapman Park at 2515 San Carlos Drive, Fullerton, California 92831, about 2.1 miles northwest of the proposed project site • Acacia Park at 1636 Fullerton Creek Drive, Fullerton, California 92831, about 3.7 miles northwest of the proposed project site
Transportation and Accessibility	2	The closest bus stop to the proposed project site is located at the intersection of West La Jolla Street and South Melrose Street, approximately 0.3 miles from the project site. Pre-existing urban development and readily available public transit near the project site would mitigate transportation and accessibility issues associated with the project, such as limited parking and traffic. Residents could use the bus to travel to stores, libraries, and other amenities near the proposed project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	The project site, which is currently occupied by a four-unit apartment building and associated garage and yard spaces, does not encompass any unique natural features. Federally protected natural resources, such as rivers, wetlands, coastal zones, and endangered species, are not present on the project site or adjacent properties. Therefore, the proposed project would not result in the alteration of any waterways, unique features, or critical habitat, nor would in result in the loss of any federally listed species.
Vegetation, Wildlife	2	Although the proposed project is within the ranges of three endangered or threatened species, none are likely to occur on site due to a lack of suitable habitat. According to NEPAssist mapping, the project site and surrounding properties are defined as either High-Density Housing or industrial/commercial (EPA) 2023). Results from the U.S. Fish and Wildlife Service's IPaC analysis of the area similarly state that the project site is situated outside of

		critical habitat areas for the endangered or threatened species that overlap with the project area (USFWS 2020a) (see **Attachment 8**).
Other Factors		

Environmental Assessment Factor	Impact Code	Impact Evaluation
CLIMATE AND ENERGY		
Climate Change Impacts	2	Greenhouse gas (GHG) emissions produced by the proposed project during the construction and operational phases would have a negligible impact on climate change due to the small size of the project. The amount of GHGs produced by the project are too minimal to measure and would not constitute an adverse effect.
Energy Efficiency	2	To obtain building permits, the project would be required to meet the minimum energy consumption standards as outlined in the California Building Code, Title 24, 2001 Energy Efficiency Standards. The proposed project would not involve an application for Leadership in Energy and Environmental Design (LEED) certification.

Additional Studies Performed:

- *Limited Asbestos Inspection Report*, Prepared by Barr & Clark Independent Environmental Testing, March 2023.
- *Lead-Based Paint Inspection Report*, Prepared by Barr & Clark Independent Environmental Testing, March 2023.

Field Inspection (Date and completed by)**:**

- *Limited Asbestos Inspection Report*, Prepared by Barr & Clark Independent Environmental Testing, March 2023.
- *Lead-Based Paint Inspection Report*, Prepared by Barr & Clark Independent Environmental Testing, March 2023.

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]**:**

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USFWS. 2020b. National Wetlands Inventory, Surface Waters and Wetlands Map. Accessed June 2023. https://www.fws.gov/wetlands/data/mapper.html.

USGS (U.S. Geological Survey). 2022. "Anaheim Quadrangle" [map]. 1:24,000. 7.5-Minute Series (Topographic). Reston, Virginia: USGS. Accessed June 2023. https://ngmdb.usgs.gov/ht-bin/tv_browse.pl?id=61d1619c9ac09d85505a48f510766684.

YLWD (Yorba Linda Water District). 2023. "Where Your Water Comes From." Accessed June 2023. https://www.ylwd.com/services/your-water/.

List of Permits Obtained:

Public Outreach [24 CFR 50.23 & 58.43]**:**

The Draft Environmental Assessment will be made available for public review and comment beginning on July 31, 2023 and concluding on August 18, 2023.

Cumulative Impact Analysis [24 CFR 58.32]**:**

The proposed project would not contribute to a significant cumulative impact under the National Environmental Policy Act because it would consist of an urban development project, consistent with the City's General Plan land use and zoning designations and would be near existing transit services. State and local planning guidelines encourage the development of urban housing in areas served by transit and near commercial and cultural amenities because this type of development contributes less to cumulative effects on the environment in comparison to development of previously undisturbed sites in more remote locations with fewer transit connections, many of which contain native vegetation and wildlife species**.**

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]**:**

Site identification has proven to be a major obstacle in providing affordable housing units. Residential sites available at reasonable cost are extremely limited, and sites that do not meet cost and land use criteria are generally eliminated as alternatives. Collette's Children's Home identifies potential properties for affordable housing based on feasibility, location, affordability, and ownership/site control of a potential project site. In addition to the developer's site selection criteria, and physical and social constraints are also considered in identifying and rejecting alternatives. Based on the developer's site selection criteria and constraints that limit identification of alternative affordable housing project sites, no other build alternatives are analyzed or included in this environmental document.

No Action Alternative [24 CFR 58.40(e)]:

The No Action Alternative would not build any additional housing at the project site. There are no benefits to the physical or human environment by not taking the federal action associated with this project. Physical impacts to the environment would occur in urban areas whether units are subsidized with federal funds or built at market rates. If an affordable project were not constructed on this site, the social benefits of providing new affordable housing opportunities on an urban infill parcel would not occur.

The proposed project must acquire all required permits and approvals prior to construction; therefore, the proposed project would be consistent with all land use plans, policies, and regulations for the project site. Not building on this site could potentially result in more housing constructed outside of the urban area in agricultural and undeveloped areas, contributing to urban sprawl, regional traffic congestion, and regional air quality issues.

Summary of Findings and Conclusions:

Collette's Children's Home is proposing construction the construction of (1) one-bedroom and (1) two-bedroom apartment additions over the existing garage space at 1038 Cypress Street. The project would consist of two new apartment units, increasing the number of units on site from 4 to 6 apartments. The proposed project would contribute to the increased density and availability of low-income housing in an area that would encourage multi-modal activity. The proximity of existing transit options to the project site would reduce long-term air emissions and energy use associated with motor vehicle travel.

Because the project site is within a developed urban area, the project would be adequately served by utilities and public services. The project would conform to all applicable federal, state, and regional regulations associated with land use compatibility, air emissions, water quality, geologic hazards, and related environmental resources addressed herein. Based on the analyses of environmental issues contained in this document, the proposed project is not expected to have significant environmental impacts.

Mitigation Measures and Conditions [40 CFR 1505.2(c)]:

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Noise Abatement and Control

MM-NOI-1	Typical new construction of multifamily homes with windows closed provides a minimum of 25-decibel exterior-to-interior noise reduction. To help reduce indoor noise levels, residential units shall be equipped with a forced-air heating, ventilation, and air conditioning (HVAC) unit that allows for a "windows closed" condition (i.e., windows do not need to be left open for ventilation).
MM-NOI-2	All windows and doors in the north- and east-facing residential units on the second floor shall be upgraded to a Sound Transmission Class (STC) rating of 35 or greater.
MM-NOI-3	All windows and doors in the south-facing residential units on the second floor shall be upgraded to a Sound Transmission Class (STC) rating of 30 or greater.

Determination:

☒ **Finding of No Significant Impact** [24 CFR 58.40(g)(1); 40 CFR 1508.27]
The project will not result in a significant impact on the quality of the human environment.

☐ **Finding of Significant Impact** [24 CFR 58.40(g)(2); 40 CFR 1508.27]
The project may significantly affect the quality of the human environment.

Preparer Signature: Suzanne Harder Date: 7/21/23

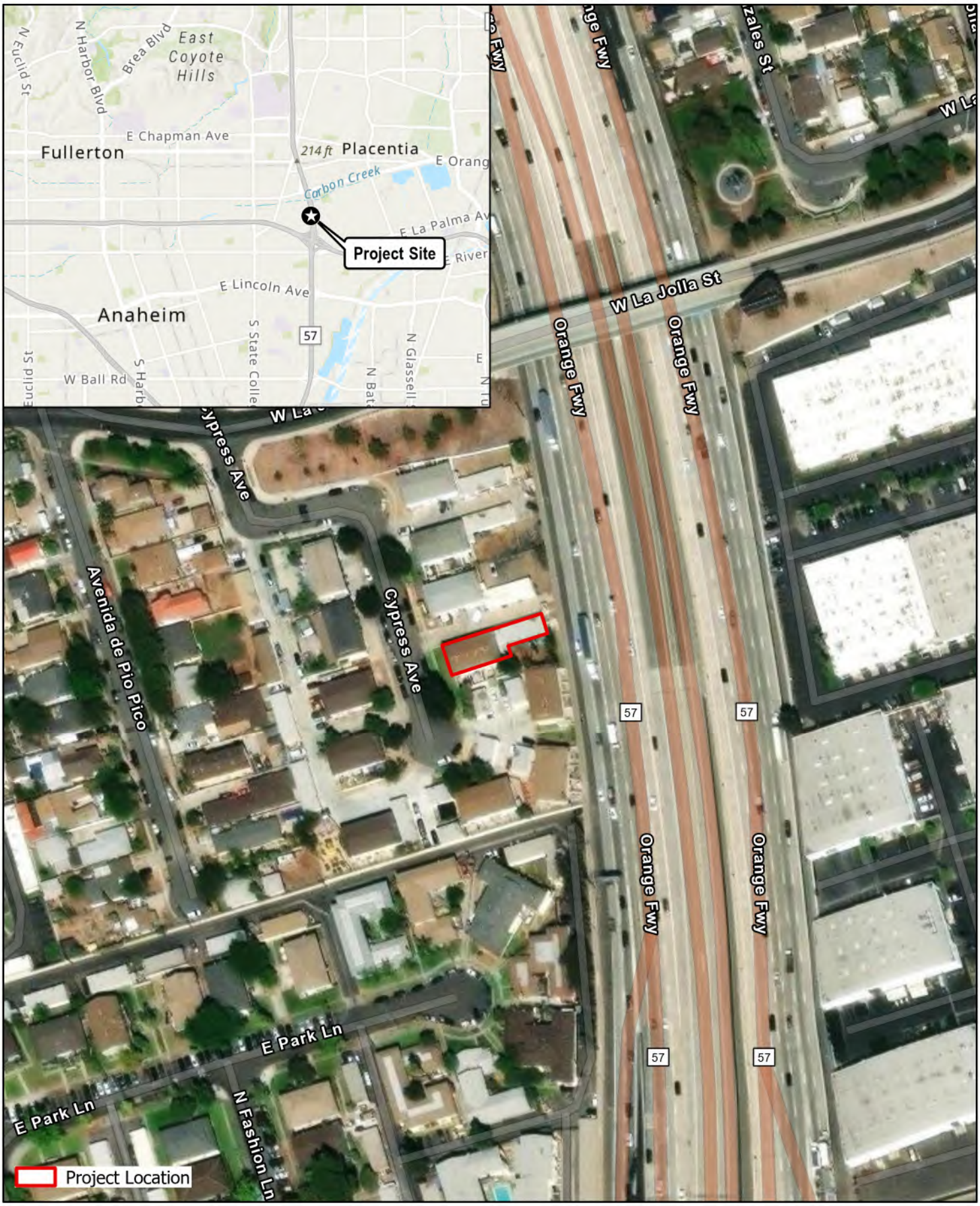
Name/Title/Organization: Suzanne Harder/Community Development Compliance and Environmental Coordinator/OC Housing and Community Development

Certifying Officer Signature: Julia Bidwell Date: 7/21/23

Name/Title/Organization: Julia Bidwell, Director, OC Housing & Community Development

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

Figure 1: Project Location



SOURCE: ESRI 2023

DUDEK

0 100 200 Feet

Figure 1

Project Location

Collette's Children's Home

ENVIRONMENTAL REVIEW RECORDS (ERRS)

ERR No. 1. Airport Hazards

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Airport Hazards (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/airport-hazards

1. **To ensure compatible land use development, you must determine your site's proximity to civil and military airports. Is your project within 15,000 feet of a military airport or 2,500 feet of a civilian airport?**

   ☒No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within the applicable distances to a military or civilian airport.*

   ☐Yes → *Continue to Question 2.*

2. **Is your project located within a Runway Potential Zone/Clear Zone (RPZ/CZ) or Accident Potential Zone (APZ)?**

   ☐Yes, project is in an APZ → *Continue to Question 3.*

   ☐Yes, project is an RPZ/CZ → *Project cannot proceed at this location.*

   ☐No, project is not within an APZ or RPZ/CZ

   →*If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within either zone.*

3. **Is the project in conformance with DOD guidelines for APZ?**

   ☐Yes, project is consistent with DOD guidelines without further action.

   →*If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.*

   ☐No, the project cannot be brought into conformance with DOD guidelines and has not been approved.

   →*Project cannot proceed at this location.*

If mitigation measures have been or will be taken, explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

Click here to enter text.

→*Work with the RE/HUD to develop mitigation measures. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.*

Worksheet Summary

The project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport.
The nearest municipal airport is the Fullerton Municipal Airport, approximately 315 miles south of the project site.

See Attachment 1.

ERR No. 2. Coastal Barrier Resources

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Coastal Barrier Resources (CEST and EA)

General requirements	Legislation	Regulation
HUD financial assistance may not be used for most activities in units of the Coastal Barrier Resources System (CBRS). See 16 USC 3504 for limitations on federal expenditures affecting the CBRS.	Coastal Barrier Resources Act (CBRA) of 1982, as amended by the Coastal Barrier Improvement Act of 1990 (16 USC 3501)	
References		
https://www.hudexchange.info/environmental-review/coastal-barrier-resources		

Projects located in the following states must complete this form.

Alabama	Georgia	Massachusetts	New Jersey	Puerto Rico	Virgin Islands
Connecticut	Louisiana	Michigan	New York	Rhode Island	Virginia
Delaware	Maine	Minnesota	North Carolina	South Carolina	Wisconsin
Florida	Maryland	Mississippi	Ohio	Texas	

1. Is the project located in a CBRS Unit?

☒No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a CBRS Unit.*

☐Yes → *Continue to Question 2.*

> Federal assistance for most activities may not be used at this location. You must either choose an alternate site or cancel the project. In very rare cases, federal monies can be spent within CBRS units for certain exempted activities (e.g., a nature trail), after consultation with the Fish and Wildlife Service (FWS) (see 16 USC 3505 for exceptions to limitations on expenditures).

2. Indicate your selected course of action.

☐ After consultation with the FWS the project was given approval to continue

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map and documentation of a FWS approval.*

☐ Project was not given approval

Project cannot proceed at this location.

Worksheet Summary

According to Coastal Barrier Resources System (CBRS) information accessed at https://fwsprimary.wim.usgs.gov/CBRSMapper-v2/, there are no units of the CBRS in California, and the project site is not located within a CBRS Unit. Therefore, the project is in compliance with HUD's CBRS regulations, and no mitigation is warranted. Therefore, this project is in compliance with the Coastal Barrier Resources Act. See Attachment 2.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

ERR No. 3. Flood Insurance

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Flood Insurance (CEST and EA)

General requirements	Legislation	Regulation
Certain types of federal financial assistance may not be used in floodplains unless the community participates in National Flood Insurance Program and flood insurance is both obtained and maintained.	Flood Disaster Protection Act of 1973 as amended (42 USC 4001-4128)	24 CFR 50.4(b)(1) and 24 CFR 58.6(a) and (b); 24 CFR 55.1(b).
Reference		
https://www.hudexchange.info/environmental-review/flood-insurance		

1. **Does this project involve mortgage insurance, refinance, acquisition, repairs, construction, or rehabilitation of a structure, mobile home, or insurable personal property?**

   ☐No. This project does not require flood insurance or is excepted from flood insurance. →*Continue to the Worksheet Summary.*

   ☒Yes → *Continue to Question 2.*

2. **Provide a FEMA/FIRM map showing the site.**

   The Federal Emergency Management Agency (FEMA) designates floodplains. The FEMA Map Service Center provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs). For projects in areas not mapped by FEMA, use the best available information to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site. Provide FEMA/FIRM floodplain zone designation, panel number, and date within your documentation.

   Is the structure, part of the structure, or insurable property located in a FEMA-designated Special Flood Hazard Area?

   ☒No → *Continue to the Worksheet Summary.*

   ☐Yes → *Continue to Question 3.*

3. Is the community participating in the National Flood Insurance Program *or* has less than one year passed since FEMA notification of Special Flood Hazards?

☐Yes, the community is participating in the National Flood Insurance Program.

For loans, loan insurance or loan guarantees, flood insurance coverage must be continued for the term of the loan. For grants and other non-loan forms of financial assistance, flood insurance coverage must be continued for the life of the building irrespective of the transfer of ownership. The amount of coverage must equal the total project cost or the maximum coverage limit of the National Flood Insurance Program, whichever is less.

Provide a copy of the flood insurance policy declaration or a paid receipt for the current annual flood insurance premium and a copy of the application for flood insurance.

→ *Continue to the Worksheet Summary.*

☐Yes, less than one year has passed since FEMA notification of Special Flood Hazards.

If less than one year has passed since notification of Special Flood Hazards, no flood Insurance is required.

→ *Continue to the Worksheet Summary.*

☐No. The community is not participating, or its participation has been suspended.

Federal assistance may not be used at this location. Cancel the project at this location.

Worksheet Summary

According to FEMA FIRM # 06059C0132J, effective on December 3, 2009, accessed at https://msc.fema.gov/portal/home, the project site is within Zone X - Shaded (0.2% Annual Chance Flood Hazard) (FEMA 2012). The project site is designated as an area between the 100-year base flood zone and the 500-year flood zone. Thus, the flood potential for the project site is moderate. According to the National Flood Insurance Program's (NFIP) Community Status Book (https://www.fema.gov/flood-insurance/work-with-nfip/community-status-book), the project site is in Community ID 060229#, which is a participating community in the NFIP. However, because no structures or insurable properties are within a Special Flood Hazard Area, flood insurance is not required under the NFIP. Although flood insurance may not be mandatory in this instance, HUD recommends that all insurable structures maintain flood insurance under the NFIP. The project is in compliance with flood insurance requirements.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

ERR No. 4. Air Quality

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Air Quality (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/air-quality

1. **Does your project include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities OR five or more dwelling units?**

   ☒ Yes → *Continue to Question 2.*

   ☐ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide any documents used to make your determination.*

2. **Is your project's air quality management district or county in non-attainment or maintenance status for any criteria pollutants?**
   Follow the link below to determine compliance status of project county or air quality management district:
   https://www.epa.gov/green-book

   ☐ No, project's county or air quality management district is in attainment status for all criteria pollutants
   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

   ☒ Yes, project's management district or county is in non-attainment or maintenance status for one or more criteria pollutants. → *Continue to Question 3.*

3. **Determine the estimated emissions levels of your project for each of those criteria pollutants that are in non-attainment or maintenance status on your project area. Will your project exceed any of the *de minimis or threshold* emissions levels of non-attainment and maintenance level pollutants or exceed the screening levels established by the state or air quality management district?**

   ☒ No, the project will not exceed *de minimis* or threshold emissions levels or screening levels
   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Explain how you determined that the project would not exceed de minimis or threshold emissions.*

☐ Yes, the project exceeds *de minimis* emissions levels or screening levels.

→ *Continue to Question 4. Explain how you determined that the project would not exceed de minimis or threshold emissions in the Worksheet Summary.*

4. **For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**
   Click here to enter text.

Worksheet Summary

Air quality at the project site would be minimally impacted by fugitive dust (PM_{10}) and other particulate air pollutants ($PM_{2.5}$) since ground-disturbing activities, such as land clearing and grading, would not be needed on site. Exhaust emissions (oxides of nitrogen [NO_x] and carbon monoxide [CO]) released by heavy construction vehicles would similarly be minimal since construction vehicles related to clearing and grading would not be present on site.

ERR No. 5. Coastal Zone Management Act

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Coastal Zone Management Act (CEST and EA)

General requirements	Legislation	Regulation
Federal assistance to applicant agencies for activities affecting any coastal use or resource is granted only when such activities are consistent with federally approved State Coastal Zone Management Act Plans.	Coastal Zone Management Act (16 USC 1451-1464), particularly section 307(c) and (d) (16 USC 1456(c) and (d))	15 CFR Part 930
References		
https://www.onecpd.info/environmental-review/coastal-zone-management		

Projects located in the following states must complete this form.

Alabama	Florida	Louisiana	Mississippi	Ohio	Texas
Alaska	Georgia	Maine	New Hampshire	Oregon	Virgin Islands
American Samona	Guam	Maryland	New Jersey	Pennsylvania	Virginia
California	Hawaii	Massachusetts	New York	Puerto Rico	Washington
Connecticut	Illinois	Michigan	North Carolina	Rhode Island	Wisconsin
Delaware	Indiana	Minnesota	Northern Mariana Islands	South Carolina	

1. Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?

☐Yes → *Continue to Question 2.*

☒No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a Coastal Zone.*

2. Does this project include activities that are subject to state review?

☐Yes → *Continue to Question 3.*

☐No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.*

3. **Has this project been determined to be consistent with the State Coastal Management Program**?

☐Yes, with mitigation. → *Continue to Question 4.*

☐Yes, without mitigation. → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.*

☐No, project must be canceled.

Project cannot proceed at this location.

4. **Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**

→ *Continue to the Worksheet Summary below. Provide documentation of the consultation (including the State Coastal Management Program letter of consistency) and any other documentation used to make your determination.*

Worksheet Summary

The proposed project site is not within the California Coastal Zone. Therefore, the proposed undertaking is in compliance with HUD's Coastal Zone Management Act regulations, and no mitigation is warranted. The project is in compliance with the Coastal Zone Management Act (see Attachment 4).

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

ERR No. 6. Contamination and Toxic Substances (Multifamily and Non-Residential Properties)

OMB No. 2506-0177
(exp. 2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Contamination and Toxic Substances (Multifamily and Non-Residential Properties) – PARTNER

https://www.hudexchange.info/programs/environmental-review/site-contamination

1. **How was site contamination evaluated?** [1] **Select all that apply.**

   ☐ ASTM Phase I ESA
   ☐ ASTM Phase II ESA
   ☐ Remediation or clean-up plan
   ☐ ASTM Vapor Encroachment Screening
   ☒ None of the above

   → *Provide documentation and reports and include an explanation of how site contamination was evaluated in the Worksheet Summary.*
   Continue to Question 2.

2. **Were any on-site or nearby toxic, hazardous, or radioactive substances found that could affect the health and safety of project occupants or conflict with the intended use of the property? (Were any recognized environmental conditions or RECs identified in a Phase I ESA and confirmed in a Phase II ESA?)**

   ☒ No → **Explain below.**

   The proposed project site is currently occupied by a four-unit apartment building and associated garage and yard areas. The Limited Asbestos Inspection Report and Lead-Based Paint Inspection Report conducted by Barr & Clark Independent Environmental Testing in March 2023 did not find evidence of asbestos containing materials or lead-based paints on the exterior of the garage at the proposed project site (see Attachments 5 and 6).

   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

[1] HUD regulations at 24 CFR § 58.5(i)(2)(ii) require that the environmental review for multifamily housing with five or more dwelling units or non-residential property include the evaluation of previous uses of the site or other evidence of contamination on or near the site. For acquisition and new construction of multifamily and nonresidential properties HUD strongly advises the review include an ASTM Phase I Environmental Site Assessment (ESA) to meet real estate transaction standards of due diligence and to help ensure compliance with HUD's toxic policy at 24 CFR §58.5(i) and 24 CFR §50.3(i). Also note that some HUD programs require an ASTM Phase I ESA.

☐ Yes → *Describe the findings, including any recognized environmental conditions (RECs), in Worksheet Summary below. Continue to Question 3.*

3. **Can adverse environmental impacts be mitigated?**

   ☐ Adverse environmental impacts cannot feasibly be mitigated → <u>HUD assistance may not be used for the project at this site. Project cannot proceed at this location.</u>

   ☐ Yes, adverse environmental impacts can be eliminated through mitigation.
   → *Provide all mitigation requirements*[2] *and documents. Continue to Question 4.*

4. **Describe how compliance was achieved. Include any of the following that apply: State Voluntary Clean-up Program, a No Further Action letter, use of engineering controls**[3]**, or use of institutional controls**[4]**.**

   Click here to enter text.

   If a remediation plan or clean-up program was necessary, which standard does it follow?

   ☐ Complete removal

   ☐ Risk-based corrective action (RBCA)

   → *Continue to the Worksheet Summary.*

<u>Worksheet Summary</u>

A Limited Asbestos Inspection Report and a Lead-Based Paint Inspection Report were conducted by Barr & Clark Independent Environmental Testing in March 2023. Evidence of asbestos-containing materials and lead-based paint were not found on the exterior surfaces of the garage at the proposed project site. See Attachments 5 and 6.

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[2] Mitigation requirements include all clean-up actions required by applicable federal, state, tribal, or local law. Additionally, provide, as applicable, the long-term operations and maintenance plan, Remedial Action Work Plan, and other equivalent documents.

[3] Engineering controls are any physical mechanism used to contain or stabilize contamination or ensure the effectiveness of a remedial action. Engineering controls may include, without limitation, caps, covers, dikes, trenches, leachate collection systems, signs, fences, physical access controls, ground water monitoring systems and ground water containment systems including, without limitation, slurry walls and ground water pumping systems.

[4] Institutional controls are mechanisms used to limit human activities at or near a contaminated site, or to ensure the effectiveness of the remedial action over time, when contaminants remain at a site at levels above the applicable remediation standard which would allow for unrestricted use of the property. Institutional controls may include structure, land, and natural resource use restrictions, well restriction areas, classification exception areas, deed notices, and declarations of environmental restrictions.

ERR No. 7. Endangered Species Act

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Endangered Species Act (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/endangered-species

1. Does the project involve any activities that have the potential to affect species or habitats?

☐No, the project will have No Effect due to the nature of the activities involved in the project.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

☐No, the project will have No Effect based on a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office.

Explain your determination:

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

☒Yes, the activities involved in the project have the potential to affect species and/or habitats.

→ *Continue to Question 2.*

2. Are federally listed species or designated critical habitats present in the action area?

Obtain a list of protected species from the Services. This information is available on the FWS Website.

☒No, the project will have No Effect due to the absence of federally listed species and designated critical habitat.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation may include letters from the Services, species lists from the Services' websites, surveys or other documents and analysis showing that there are no species in the action area.*

☐Yes, there are federally listed species or designated critical habitats present in the action area.

→ *Continue to Question 3.*

3. **Recommend one of the following effects that the project will have on federally listed species or designated critical habitat:**

☐No Effect: Based on the specifics of both the project and any federally listed species in the action area, you have determined that the project will have absolutely no effect on listed species or critical habitat.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation should include a species list and explanation of your conclusion, and may require maps, photographs, and surveys as appropriate.*

☐May Affect, Not Likely to Adversely Affect: Any effects that the project may have on federally listed species or critical habitats would be beneficial, discountable, or insignificant.

→ Partner entities should not contact the Services directly. *If the RE/HUD agrees with this recommendation, they will have to complete Informal Consultation. Provide the RE/HUD with a biological evaluation or equivalent document. They may request additional information, including surveys and professional analysis, to complete their consultation.*

☐Likely to Adversely Affect: The project may have negative effects on one or more listed species or critical habitat.

→ Partner entities should not contact the Services directly. *If the RE/HUD agrees with this recommendation, they will have to complete Formal Consultation. Provide the RE/HUD with a biological evaluation or equivalent document. They may request additional information, including surveys and professional analysis, to complete their consultation.*

Worksheet Summary

The U.S. Fish and Wildlife Service IPaC database was used to identify federally protected species at the project site. Three species classified as endangered or threatened were identified as possibly occurring on the project site. However, given the urban and commercial setting of the site and surrounding the project site, no federally listed special-status plant or wildlife species are expected to be present due to the lack of suitable habitat (see Attachment 7).

ERR No. 8. Explosive and Flammable Hazards

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Explosive and Flammable Hazards (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities

1. **Is the proposed HUD-assisted project itself the development of a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries)?**

   ☒ No
   → *Continue to Question 2.*

   ☐ Yes
   Explain:
   Click here to enter text.
   → *Go directly to Question 5.*

2. **Does this project include any of the following activities: development, construction, rehabilitation that will increase residential densities, or conversion?**

   ☐ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

   ☒ Yes → *Continue to Question 3.*

3. **Within 1 mile of the project site, are there any current *or planned* stationary aboveground storage containers that are covered by 24 CFR 51C? Containers that are <u>NOT</u> covered under the regulation include:**
   - **Containers 100 gallons or less in capacity, containing common liquid industrial fuels OR**
   - **Containers of liquified petroleum gas (LPG) or propane with a water volume capacity of 1,000 gallons or less that meet the requirements of the 2017 or later version of National Fire Protection Association (NFPA) Code 58.**

   If all containers within the search area fit the above criteria, answer "no." For any other type of aboveground storage container within the search area that holds one of the flammable or explosive materials listed in Appendix I of 24 CFR part 51 subpart C, answer "yes."

   ☐ No
   → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide all documents used to make your determination.*

   ☒ Yes
   → *Continue to Question 4.*

4. **Visit HUD's website to identify the appropriate tank or tanks to assess and to calculate the required separation distance using the electronic assessment tool. To document this step in the analysis, please attach the following supporting documents to this screen:**
    - **Map identifying the tank selected for assessment, and showing the distance from the tank to the proposed HUD-assisted project site; and**
    - **Electronic assessment tool calculation of the required separation distance.**

   Based on the analysis, is the proposed HUD-assisted project site located at or beyond the required separation distance from all covered tanks?

   ☒ Yes

   → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.*

   ☐ No

   → *Go directly to Question 6.*

5. **Is the hazardous facility located at an acceptable separation distance from residences and any other facility or area where people may congregate or be present?**

   Please visit HUD's website for information on calculating Acceptable Separation Distance.

   ☐ Yes

   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*
   Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.

   ☐ No

   → *Continue to Question 6.*
   Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.

6. **For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Mitigation measures may include both natural and manmade barriers, modification of the project design, burial or removal of the hazard, or other engineered solutions. Describe selected mitigation measures, including the timeline for implementation, and attach an implementation plan. If negative effects cannot be mitigated, cancel the project at this location.**

   Note that only licensed professional engineers should design and implement blast barriers. If a barrier will be used or the project will be modified to compensate for an unacceptable separation distance, provide approval from a licensed professional engineer.

   Click here to enter text.

Worksheet Summary

The following resources were reviewed to identify aboveground storage tank (AST) locations, contents, volumes, and distance from subject property:

- California Environmental Protection Agency (CalEPA) Regulated Site Portal at https://siteportal.calepa.ca.gov/nsite/map/help
- Appendix I to Subpart C of Parts 51- Specific Hazardous Substances at https://www.ecfr.gov/current/title-24/subtitle-A/part-51/subpart-C
- HUD Acceptable Separation Distance (ASD) Electronic Assessment Tool at https://www.hudexchange.info/programs/environmental-review/asd-calculator/

The CalEPA Regulated Site Portal website was reviewed to identify existing ASTs within 1 mile of the project site. Potential sites were filtered to only show aboveground petroleum storage and chemical storage facilities because both of these categories could include aboveground flammable materials storage. Results identified 67 chemical storage facilities and no aboveground petroleum storage within a 1-mile radius of the project site (see Attachment 8). All chemicals that were located at a gas station or fueling store were assumed to be stored underground and therefore exempt from 24 CFR Part 51C. Chemicals not listed as a hazardous substance in Appendix I to Subpart C of Part 51 were also considered exempt from this analysis. Once the sites considered exempt from 24 CFR Part 51C were removed, the acceptable separation distances were calculated for the five remaining locations. The CalEPA website provides information on the chemicals stored at each facility and the maximum amount of those chemicals that could be stored at every site. The resources available for review did not provide precise volumes for the ASTs. As a result, the maximum quantity of the volume range was used for each AST for the purpose of calculating the ASDs.

All five sites identified as potentially storing hazardous or flammable materials in ASTs were adequately separated from the project site for thermal radiation for people. Maps and ASD calculations for the sites that contain materials listed 24 CFR 51C are provided in Attachment 8.

ERR No. 9. Farmlands Protection

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Farmlands Protection (CEST and EA)

General requirements	Legislation	Regulation
The Farmland Protection Policy Act (FPPA) discourages federal activities that would convert farmland to nonagricultural purposes.	Farmland Protection Policy Act of 1981 (7 U.S.C. 4201 et seq.)	7 CFR Part 658
Reference		
https://www.hudexchange.info/environmental-review/farmlands-protection		

1. **Does your project include any activities, including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to a non-agricultural use?**

   ☐Yes → *Continue to Question 2.*

   ☒No

   Explain how you determined that agricultural land would not be converted:

   The California Department of Conservation's California Important Farmland Finder, accessed at https://maps.conservation.ca.gov/dlrp/ciff/, was used to identify Important Farmlands in the project area.

   → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting your determination.*

2. **Does "important farmland," including prime farmland, unique farmland, or farmland of statewide or local importance regulated under the Farmland Protection Policy Act, occur on the project site?**

   You may use the links below to determine important farmland occurs on the project site:

   - Utilize USDA Natural Resources Conservation Service's (NRCS) Web Soil Survey http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm
   - Check with your city or county's planning department and ask them to document if the project is on land regulated by the FPPA (zoning important farmland as non-agricultural does not exempt it from FPPA requirements)

- Contact NRCS at the local USDA service center http://offices.sc.egov.usda.gov/locator/app?agency=nrcs or your NRCS state soil scientist http://soils.usda.gov/contact/state_offices/ for assistance

☒No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.*

☐Yes → *Continue to Question 3.*

3. **Consider alternatives to completing the project on important farmland and means of avoiding impacts to important farmland.**
   - Complete form **AD-1006**, "Farmland Conversion Impact Rating" http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1045394.pdf and contact the state soil scientist before sending it to the local NRCS District Conservationist. (NOTE: for corridor type projects, use instead form **NRCS-CPA-106**, "Farmland Conversion Impact Rating for Corridor Type Projects: http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1045395.pdf.)
   - Work with NRCS to minimize the impact of the project on the protected farmland. When you have finished with your analysis, return a copy of form AD-1006 (or form NRCS-CPA-106 if applicable) to the USDA-NRCS State Soil Scientist or his/her designee informing them of your determination.

Document your conclusion:

☐Project will proceed with mitigation.

Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

☐Project will proceed without mitigation.

Explain why mitigation will not be made here:

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

Worksheet Summary

The California Department of Conservation's California Important Farmland Finder, accessed at https://maps.conservation.ca.gov/dlrp/ciff/, was used to identify Important Farmlands in the project area. The project site is on land designated as Urban and Built-Up Land. Furthermore, the proposed project would be built above an existing garage, and no ground-disturbing activities are required. There are no Important Farmlands on the project site or in adjacent areas (see Attachment 9). The project is in compliance with the Farmland Protection Policy.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

ERR No. 10. Floodplain Management

OMB No. 2506-0177
(exp. 2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Floodplain Management (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/floodplain-management

1. **Does 24 CFR 55.12(c) exempt this project from compliance with HUD's floodplain management regulations in Part 55?**

   ☐ Yes

   Provide the applicable citation at 24 CFR 55.12(c) here. If project is exempt under 55.12(c)(6) or (8), provide supporting documentation.

   Click here to enter text.

   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Continue to the Worksheet Summary.*

   ☒ No → *Continue to Question 2.*

2. **Provide a FEMA/FIRM map showing the site.**

   The Federal Emergency Management Agency (FEMA) designates floodplains. The FEMA Map Service Center provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs).

   Does your project occur in a floodplain?

   ☐ No → *Continue to the Worksheet Summary below.*

   ☒ Yes

   Select the applicable floodplain using the FEMA map or the best available information:

   ☐ Floodway → *Continue to Question 3, Floodways*

   ☐ Coastal High Hazard Area (V Zone) → *Continue to Question 4, Coastal High Hazard Areas*

   ☒ 500-year floodplain (B Zone or shaded X Zone) → *Continue to Question 5, 500-year Floodplains*

   ☐ 100-year floodplain (A Zone) → *The 8-Step Process is required. Continue to Question 6, 8-Step Process*

3. **Floodways**

   Is this a functionally dependent use?

   ☐ Yes

   The 8-Step Process is required. Work with HUD or the RE to assist with the 8-Step Process.

→ *Continue to Worksheet Summary.*

☐ No → *Federal assistance may not be used at this location unless an exception in 55.12(c) applies. You must either choose an alternate site or cancel the project.*

4. **Coastal High Hazard Area**

Is this a critical action such as a hospital, nursing home, fire station, or police station?

☐ Yes → *Critical actions are prohibited in coastal high hazard areas unless an exception in 55.12(c) applies. You must either choose an alternate site or cancel the project.*

☐ No

Does this action include new construction that is not a functionally dependent use, existing construction (including improvements), or reconstruction following destruction caused by a disaster?

☐ Yes, there is new construction of something that is not a functionally dependent use. New construction must be designed to FEMA standards for V Zones at 44 CFR 60.3(e) (24 CFR 55.1(c)(3)(i)).
→ *Continue to Question 6, 8-Step Process*

☐ No, this action concerns only existing construction.
Existing construction must have met FEMA elevation and construction standards for a coastal high hazard area or other standards applicable at the time of construction.
→ *Continue to Question 6, 8-Step Process*

5. **500-year Floodplain**

Is this a critical action?

☒ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

☐Yes → *Continue to Question 6, 8-Step Process*

6. **8-Step Process**.

Is this 8-Step Process required? Select one of the following options:

☐ 8-Step Process applies.
This project will require mitigation and may require elevating structure or structures. See the link to the HUD Exchange above for information on HUD's elevation requirements.
→ *Work with the RE/HUD to assist with the 8-Step Process. Continue to Worksheet Summary.*

☐ 5-Step Process is applicable per 55.12(a)(1-3).
Provide the applicable citation at 24 CFR 55.12(a) here.
Click here to enter text.
→ *Work with the RE/HUD to assist with the 5-Step Process. Continue to Worksheet Summary.*

☐ 8-Step Process is inapplicable per 55.12(b)(1-4).
Provide the applicable citation at 24 CFR 55.12(b) here.
Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Worksheet Summary

According to the FEMA FIRM map for the site, the project site is in Zone X Shaded, an area outside of the Special Flood Management Areas and at a higher elevation than the 0.2% annual chance flood areas, in the 500-year floodplain (FIRM Panel 06059C0132J Effective December 2009). HUD requires critical actions (e.g., hospitals, nursing homes, police stations, fire stations, and roadways providing sole egress from flood-prone areas) to comply with Part 55 when they are located in the 500-year floodplain. Since the proposed project is not considered a critical action by HUD's definition, the project may proceed without completing the 8-step process. See Attachment 3.

ERR No. 11. Historic Preservation

OMB No. 2506-0177
(exp. 2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Historic Preservation (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/historic-preservation

Threshold

Is Section 106 review required for your project?

☐ No, because a Programmatic Agreement states that all activities included in this project are exempt. (See the PA Database to find applicable PAs.)
Either provide the PA itself or a link to it here. Mark the applicable exemptions or include the text here:
Click here to enter text.

→ *Continue to the Worksheet Summary.*

☐ No, because the project consists solely of activities included in a No Potential to Cause Effects memo or other determination [36 CFR 800.3(a)(1)].
Either provide the memo itself or a link to it here. Explain and justify the other determination here:
Click here to enter text.

→ *Continue to the Worksheet Summary.*

☒Yes, because the project includes activities with potential to cause effects (direct or indirect). → *Continue to Step 1.*

The Section 106 Process
After determining the need to do a Section 106 review, HUD or the RE will initiate consultation with regulatory and other interested parties, identify and evaluate historic properties, assess effects of the project on properties listed on or eligible for the National Register of Historic Places, and resolve any adverse effects through project design modifications or mitigation.
Step 1: Initiate consultation
Step 2: Identify and evaluate historic properties
Step 3: Assess effects of the project on historic properties
Step 4: Resolve any adverse effects

Only RE or HUD staff may initiate the Section 106 consultation process. Partner entities may gather information, including from SHPO records, identify and evaluate historic properties, and make initial assessments of effects of the project on properties listed in or eligible for the National Register of Historic Place. Partners should then provide their RE or HUD with all of their analysis and documentation so that they may initiate consultation.

Step 1 - Initiate Consultation

The following parties are entitled to participate in Section 106 reviews: Advisory Council on Historic Preservation; State Historic Preservation Officers (SHPOs); federally recognized Indian tribes/Tribal Historic Preservation Officers (THPOs); Native Hawaiian Organizations (NHOs); local governments; and project grantees. The general public and individuals and organizations with a demonstrated interest in a project may participate as consulting parties at the discretion of the RE or HUD official. Participation varies with the nature and scope of a project. Refer to HUD's website for guidance on consultation, including the required timeframes for response. Consultation should begin early to enable full consideration of preservation options.

Use the When To Consult With Tribes checklist within Notice CPD-12-006: Process for Tribal Consultation to determine if the RE or HUD should invite tribes to consult on a particular project. Use the Tribal Directory Assessment Tool (TDAT) to identify tribes that may have an interest in the area where the project is located. Note that only HUD or the RE may initiate consultation with Tribes. Partner entities may prepare a draft letter for the RE or HUD to use to initiate consultation with tribes, but may not send the letter themselves.

List all organizations and individuals that you believe may have an interest in the project here:
State Historic Preservation Office

→ *Continue to Step 2.*

Step 2 - Identify and Evaluate Historic Properties

Provide a preliminary definition of the Area of Potential Effect (APE), either by entering the address(es) or providing a map depicting the APE. Attach an additional page if necessary.
1038 Cypress Street
Placentia, California 92870

Gather information about known historic properties in the APE. Historic buildings, districts and archeological sites may have been identified in local, state, and national surveys and registers, local historic districts, municipal plans, town and county histories, and local history websites. If not already listed on the National Register of Historic Places, identified properties are then evaluated to see if they are eligible for the National Register. Refer to HUD's website for guidance on identifying and evaluating historic properties.

In the space below, list historic properties identified and evaluated in the APE.
Every historic property that may be affected by the project should be listed. For each historic property or district, include the National Register status, whether the SHPO has concurred with the finding, and whether information on the site is sensitive. Attach an additional page if necessary.
Click here to enter text.

Provide the documentation (survey forms, Register nominations, concurrence(s) and/or objection(s), notes, and photos) that justify your National Register Status determination.

Was a survey of historic buildings and/or archeological sites done as part of the project?

If the APE contains previously unsurveyed buildings or structures over 50 years old, or there is a likely presence of previously unsurveyed archeological sites, a survey may be necessary. For Archeological surveys, refer to HP Fact Sheet #6, Guidance on Archeological Investigations in HUD Projects.

☐ Yes → *Provide survey(s) and report(s) and continue to Step 3.*
Additional notes:
Click here to enter text.

☒ No → *Continue to Step 3.*

Step 3 - Assess Effects of the Project on Historic Properties

Only properties that are listed on or eligible for the National Register of Historic Places receive further consideration under Section 106. Assess the effect(s) of the project by applying the Criteria of Adverse Effect. (36 CFR 800.5) Consider direct and indirect effects as applicable as per HUD guidance.

Choose one of the findings below to recommend to the RE or HUD.
Please note: this is a recommendation only. It is **not** the official finding, which will be made by the RE or HUD, but only your suggestion as a Partner entity.

☒ No Historic Properties Affected
Document reason for finding:
☒ No historic properties present.
☐ Historic properties present, but project will have no effect upon them.

☐ No Adverse Effect
Document reason for finding and provide any comments below.
Comments may include recommendations for mitigation, monitoring, a plan for unanticipated discoveries, etc.

☐ Adverse Effect
Document reason for finding:
Copy and paste applicable Criteria into text box with summary and justification.
Criteria of Adverse Effect: 36 CFR 800.5]
Click here to enter text.

Provide any comments below:

Comments may include recommendations for avoidance, minimization, and/or mitigation.

Click here to enter text.

Remember to provide all documentation that justifies your National Register Status determination and recommendations along with this worksheet.

ERR No. 12. Noise (EA Level Reviews)

OMB No. 2506-0177
(exp. 2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Noise (EA Level Reviews) – PARTNER
https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control

1. **What activities does your project involve? Check all that apply:**

☒ New construction for residential use

NOTE: HUD assistance to new construction projects is generally prohibited if they are located in an Unacceptable zone, and HUD discourages assistance for new construction projects in Normally Unacceptable zones. See 24 CFR 51.101(a)(3) for further details.
→ *Continue to Question 2.*

☐ Rehabilitation of an existing residential property

NOTE: For major or substantial rehabilitation in Normally Unacceptable zones, HUD encourages mitigation to reduce levels to acceptable compliance standards. For major rehabilitation in Unacceptable zones, HUD strongly encourages mitigation to reduce levels to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.
→ *Continue to Question 2.*

☐ None of the above

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

2. **Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport).**
Indicate the findings of the Preliminary Screening below:

☐ There are no noise generators found within the threshold distances above.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing the location of the project relative to any noise generators.*

☒ Noise generators were found within the threshold distances.

→ *Continue to Question 3.*

3. **Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:**

☐ Acceptable (65 decibels or less; the ceiling may be shifted to 70 decibels in circumstances described in §24 CFR 51.105(a))

Indicate noise level here: Click here to enter text.
→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide noise analysis, including noise level and data used to complete the analysis.*

☒ Normally Unacceptable: (Above 65 decibels but not exceeding 75 decibels; the floor may be shifted to 70 decibels in circumstances described in 24 CFR 51.105(a))
Indicate noise level here:
→The DNL Calculator found on the HUD Exchange web site is typically used to predict exterior noise levels at the project site from the nearby roadways, rail activity, and aircraft. A preliminary noise analysis for the proposed project was calculated using the HUD DNL Electronic Assessment Tool. Results of the analysis indicated that worst-case exterior building façade noise levels would be approximately 81 A-weighted decibels day-night average sound level (dBA DNL), above HUD's threshold of 65 dBA DNL. However, because the DNL Calculator does not account for site conditions such as the existing 16-foot-high sound wall, the Federal Highway Administration's (FHWA) Traffic Noise Model version 2.5 (FHWA 2004) was used to perform a more detailed noise analysis. The rooms facing east and closest to the State Route (SR)-57 freeway at the proposed project would experience the highest noise levels. Traffic noise levels at this side of the building's façade are predicted to range from 67 to 72 dBA DNL at the first and second floors, respectively. Thus, the exposure from traffic noise along SR-57 would exceed the HUD exterior noise standard of 65 dBA DNL by up to 7 dB at the façade of units nearest these roadways, putting these receivers in the "normally unacceptable" noise range. Noise levels at the second-floor level of the proposed project (building façades facing north, south, and west) would also exceed the HUD exterior noise standard of 65 dBA DNL and would be in the "normally unacceptable" noise range. At the other portions of the building, traffic noise levels would not exceed the HUD exterior noise standard of 65 dBA DNL.

<u>If project is rehabilitation:</u>
→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.*

<u>If project is new construction:</u>
Is the project in a largely undeveloped area[1]?
☒ No
☐ Yes → ***The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i).***

→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.*

☐ Unacceptable: (Above 75 decibels)

[1] A largely undeveloped area means the area within 2 miles of the project site is less than 50 percent developed with urban uses or does not have water and sewer capacity to serve the project.

Indicate noise level here: Click here to enter text.

If project is rehabilitation:
HUD strongly encourages conversion of noise-exposed sites to land uses compatible with high noise levels. Consider converting this property to a non-residential use compatible with high noise levels.
→ *Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.*

If project is new construction:
The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). *Work with HUD or the RE to either complete an EIS or obtain a waiver signed by the appropriate authority.*
→ *Continue to Question 4.*

4. **HUD strongly encourages mitigation be used to eliminate adverse noise impacts. Work with the RE/HUD on the development of the mitigation measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**
☒ Mitigation as follows will be implemented:

The proposed project would implement mitigation measures at the site to reduce indoor noise levels to within the HUD threshold of 45 dBA DNL. Mitigation would include providing residential units with a forced-air heating, ventilation, and air conditioning (HVAC) system in each unit that provides additional ventilation to keep the indoor air quality high, even with the windows closed. To ensure compliance with 24 CFR Part 51, Subpart B and that the HUD noise standard of 45 dBA DNL is not exceeded, the detailed architectural design plans (when these are prepared) would provide the following specification for upgraded windows: all windows and doors in the north- and east-facing residential units on the second floor would have a Sound Transmission Class (STC) rating of 35 or greater; all windows and doors in the south-facing residential units on the second floor should have a STC rating of 30 or greater. As a result of the noise mitigation included, interior noise levels at the units with the highest exterior noise levels is predicted to fall within the HUD interior requirement of 45 dBA DNL. Complete details on noise monitoring and results are provided in the Technical Noise Memorandum, Dudek, June 2023, provided as Attachment 11.

→ *Provide drawings, specifications, and other materials as needed to describe the project's noise mitigation measures.*
Continue to the Worksheet Summary.

☐ No mitigation is necessary.
Explain why mitigation will not be made here:
Click here to enter text.
→ *Continue to the Worksheet Summary.*

Worksheet Summary
See attached Technical Noise Memorandum, Dudek, June 2023 (Attachment 11).

ERR No. 13. Sole Source Aquifers

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Sole Source Aquifers (CEST and EA)

General requirements	Legislation	Regulation
The Safe Drinking Water Act of 1974 protects drinking water systems which are the sole or principal drinking water source for an area and which, if contaminated, would create a significant hazard to public health.	Safe Drinking Water Act of 1974 (42 U.S.C. 201, 300f et seq., and 21 U.S.C. 349)	40 CFR Part 149
Reference		
https://www.hudexchange.info/environmental-review/sole-source-aquifers		

1. Does your project consist solely of acquisition, leasing, or rehabilitation of an existing building(s)?

☐Yes → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.*

☒No → *Continue to Question 2.*

2. Is the project located on a sole source aquifer (SSA)[1]?

☒No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map of your project (or jurisdiction, if appropriate) in relation to the nearest SSA and its source area.*

☐Yes → *Continue to Question 3.*

3. Does your region have a memorandum of understanding (MOU) or other working agreement with EPA for HUD projects impacting a sole source aquifer?

Contact your Field or Regional Environmental Officer or visit the HUD webpage at the link above to determine if an MOU or agreement exists in your area.

[1] A sole source aquifer is defined as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. This includes streamflow source areas, which are upstream areas of losing streams that flow into the recharge area.

☐Yes → *Provide the MOU or agreement as part of your supporting documentation. Continue to Question 4.*

☐No → *Continue to Question 5.*

4. Does your MOU or working agreement exclude your project from further review?

☐Yes → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination and document where your project fits within the MOU or agreement.*

☐No → *Continue to Question 5.*

5. Will the proposed project contaminate the aquifer and create a significant hazard to public health?

Consult with your Regional EPA Office. Your consultation request should include detailed information about your proposed project and its relationship to the aquifer and associated streamflow source area. EPA will also want to know about water, storm water and waste water at the proposed project. Follow your MOU or working agreement or contact your Regional EPA office for specific information you may need to provide. EPA may request additional information if impacts to the aquifer are questionable after this information is submitted for review.

☐No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide your correspondence with the EPA and all documents used to make your determination*.

☐Yes → *Work with EPA to develop mitigation measures. If mitigation measures are approved, attach correspondence with EPA and include the mitigation measures in your environmental review documents and project contracts. <u>If EPA determines that the project continues to pose a significant risk to the aquifer, federal financial assistance must be denied.</u> Continue to Question 6.*

6. In order to continue with the project, any threat must be mitigated, and all mitigation must be approved by the EPA. Explain in detail the proposed measures that can be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ *Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.*

Worksheet Summary

According the EPA Sole Source Aquifer Locations Map, accessed at https://www.epa.gov/dwssa/map-sole-source-aquifer-locations, there are no sole-source aquifers in or near the project site (see Attachment 12). The proposed project is in compliance with the Safe Water Drinking Act.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

ERR No. 14. Wetlands

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Wetlands (CEST and EA) – Partner

https://www.hudexchange.info/environmental-review/wetlands-protection

1. **Does this project involve new construction as defined in Executive Order 11990, expansion of a building's footprint, or ground disturbance?**
   The term "new construction" includes draining, dredging, channelizing, filling, diking, impounding, and related activities and construction of any structures or facilities.

   ☐ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

   ☒ Yes → *Continue to Question 2.*

2. **Will the new construction or other ground disturbance impact a wetland as defined in E.O. 11990?**

   ☒ No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map or any other relevant documentation to explain your determination.*

   ☐ Yes → *Work with HUD or the RE to assist with the 8-Step Process. Continue to Question 3.*

3. **Does Section 55.12 state that the 8-Step Process is not required?**

   ☐ No, the 8-Step Process applies.
   This project will require mitigation and may require elevating structure or structures. See the link to the HUD Exchange above for information on HUD's elevation requirements.
   → *Work with the RE/HUD to assist with the 8-Step Process. Continue to Worksheet Summary.*

   ☐ 5-Step Process is applicable per 55.12(a).
   Provide the applicable citation at 24 CFR 55.12(a) here.
   Click here to enter text.
   → *Work with the RE/HUD to assist with the 5-Step Process. This project may require mitigation or alternations. Continue to Worksheet Summary.*

   ☐ 8-Step Process is inapplicable per 55.12(b).
   Provide the applicable citation at 24 CFR 55.12(b) here.
   Click here to enter text.
   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to Worksheet Summary.*

☐ 8-Step Process is inapplicable per 55.12(c).

Provide the applicable citation at 24 CFR 55.12(c) here.

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to Worksheet Summary.*

Worksheet Summary

According to the National Wetlands Inventory map regulated by the U.S. Fish and Wildlife Service and accessible at https://www.fws.gov/program/national-wetlands-inventory/wetlands-mapper, there are no wetlands on the project site (see Attachment 13). The closest wetland is Carbon Creek, a freshwater stream, located approximately 0.23 miles northwest of the project site, that drains into a freshwater pond. As a result, the proposed project is in compliance with Executive Order 11990.

ERR No. 15. Wild and Scenic Rivers

OMB No. 2506-0177
(exp.2/28/2025)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Wild and Scenic Rivers (CEST and EA) – PARTNER

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

General requirements	Legislation	Regulation
The Wild and Scenic Rivers Act provides federal protection for certain free-flowing, wild, scenic and recreational rivers designated as components or potential components of the National Wild and Scenic Rivers System (NWSRS) from the effects of construction or development.	The Wild and Scenic Rivers Act (16 U.S.C. 1271-1287), particularly section 7(b) and (c) (16 U.S.C. 1278(b) and (c))	36 CFR Part 297
References		
https://www.hudexchange.info/environmental-review/wild-and-scenic-rivers		

1. Is your project within proximity of a NWSRS river as defined below?

Wild & Scenic Rivers: These rivers or river segments have been designated by Congress or by states (with the concurrence of the Secretary of the Interior) as wild, scenic, or recreational

Study Rivers: These rivers or river segments are being studied as a potential component of the Wild & Scenic River system.

Nationwide Rivers Inventory (NRI): The National Park Service has compiled and maintains the NRI, a register of river segments that potentially qualify as national wild, scenic, or recreational river areas

☒ No

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide documentation used to make your determination, such as a map*

identifying the project site and its surrounding area or a list of rivers in your region in the Screen Summary at the conclusion of this screen.

☐ Yes, the project is in proximity of a Nationwide Rivers Inventory (NRI) River.
→ *Continue to Question 2.*

2. Could the project do *any* of the following?

- Have a direct and adverse effect within Wild and Scenic River Boundaries,
- Invade the area or unreasonably diminish the river outside Wild and Scenic River Boundaries, or
- Have an adverse effect on the natural, cultural, and/or recreational values of a NRI segment.

Consultation with the appropriate federal/state/local/tribal Managing Agency(s) is required, pursuant to Section 7 of the Act, to determine if the proposed project may have an adverse effect on a Wild & Scenic River or a Study River and, if so, to determine the appropriate avoidance or mitigation measures.

Note: Concurrence may be assumed if the Managing Agency does not respond within 30 days; however, you are still obligated to avoid or mitigate adverse effects on the rivers identified in the NWSRS

☐ No, the Managing Agency has concurred that the proposed project will not alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.
→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.*

☐ Yes, the Managing Agency was consulted and the proposed project may alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.
→ *The RE/HUD must work with the Managing Agency to identify mitigation measures to mitigate the impact or effect of the project on the river.*

Worksheet Summary

According to the National Park Service (NPS) Interactive Map of NPS Wild and Scenic Rivers, accessible at https://www.nps.gov/orgs/1912/plan-your-visit.htm, the project site does not contain any rivers protected under the Wild and Scenic Rivers Act (see Attachment 14). The closest protected waterway is the Deep Creek River, approximately 61 miles northeast of the project site. Therefore, the proposed project is in compliance with Executive Order 11990.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

ERR No. 16. Environmental Justice

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

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Environmental Justice (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/environmental-justice

HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, including Environmental Assessment factors if necessary, have been completed.

1. **Were any adverse environmental impacts identified in any other compliance review portion of this project's total environmental review?**
   ☒Yes → *Continue to Question 2.*

   ☐No → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

2. **Were these adverse environmental impacts disproportionately high for low-income and/or minority communities?**
   ☐Yes
   Explain:
   Click here to enter text.
   → *The RE/HUD must work with the affected low-income or minority community to decide what mitigation actions, if any, will be taken. Provide any supporting documentation.*

   ☒No
   Explain:
   The project site is occupied by four apartment units and does not possess any recognized environmental conditions or hazardous materials. The noise study for the proposed project indicated that the project site would experience high noise levels due to high traffic volume along the State Route (SR)-57 freeway. However, implementation of mitigation measures would reduce adverse noise impacts at the project site to below HUD thresholds. No disproportionate impacts to low income and/or minority communities would occur as a result of impacts from noise. As a result, potential adverse impacts would be avoided or reduced for all residents during the operational phase.

   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

Worksheet Summary

The proposed project would involve the addition of two new apartment units over the garage space of an existing residential building. Development of the proposed project would increase the number of apartments onsite from four units to six units. The two apartment units would be reserved for single women experiencing homelessness and mothers and their children experiencing homelessness.

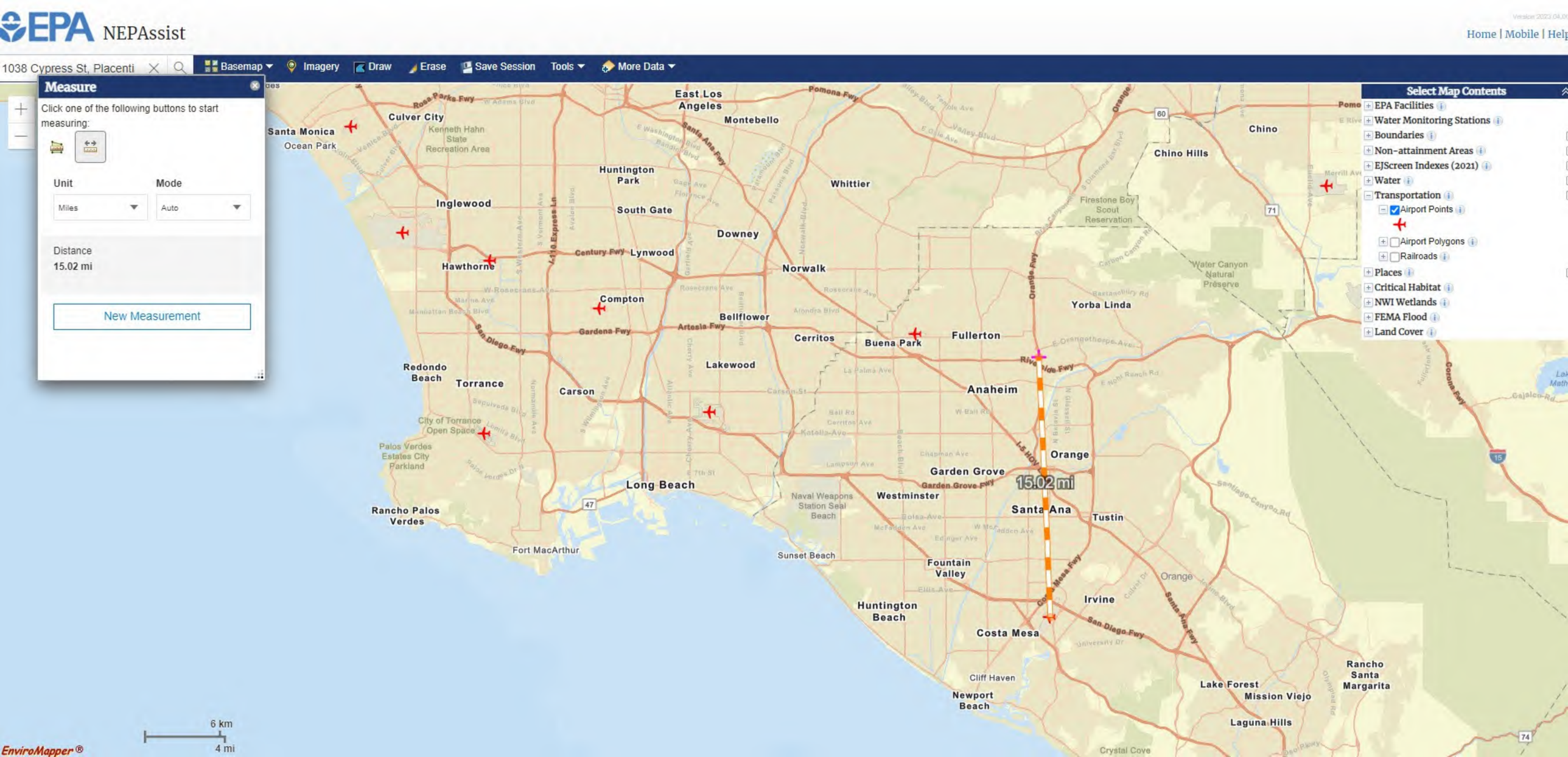
Several studies have been conducted on the potential for environmental impacts related to the project. Some of these studies identified environmental concerns and mitigation measures:

- **Noise.** The Technical Noise Memo for the proposed project prepared by Dudek in June 2023 determined that exposure from traffic generated along the SR-57 freeway is the primary noise source for the development. The eastern façade of the proposed residential units would face the southbound lanes of the SR-57 freeway, separated by an existing noise barrier (i.e., a soundwall) approximately 16 feet in height constructed at the California Department of Transportation right-of-way. An initial noise analysis of traffic noise from the SR-57 carried out using HUD's DNL Calculator indicated that worst-case exterior building façade noise levels would be approximately 81 A-weighted decibels da-night noise level average (dBA DNL). The Traffic Noise Model, version 2.5, was used to perform a more detailed noise analysis. The rooms facing east and closest to the SR-57 freeway at the proposed project would experience the highest noise levels. Noise levels at the second-floor level of the proposed project (building façades facing north, south, and west) would also be in the "normally unacceptable" noise range. At the other portions of the building, traffic noise levels would not exceed the HUD exterior noise standard of 65 dBA DNL.

  Typical new construction of multifamily homes with windows closed provides a minimum of 25 decibels exterior-to-interior noise reduction. To help reduce indoor noise levels, residential units would be equipped with a forced-air heating, ventilation, and air conditioning (HVAC) unit that allows for a "windows closed" condition (i.e., windows do not need to be left open for ventilation) (**MM-NOI-1**). In order to ensure compliance with 24 CFR Part 51, Subpart B and that the HUD noise standard of 45 dBA DNL is not exceeded, the detailed architectural design plans (when these are prepared) shall provide the following specification for upgraded windows: all windows and doors in the north- and east-facing residential units on the second floor shall have a Sound Transmission Class (STC) rating of 35 or greater (**MM-NOI-2**); and all windows and doors in the south-facing residential units on the second floor shall have a STC rating of 30 or greater (**MM-NOI-3**). These mitigation measures would reduce noise to within HUD thresholds (see ERR 12 for more information). Therefore, no disproportionate impacts to low income and/or minority communities would occur as a result of noise.

Attachments

Attachment 1. Airports Map


EPA NEPAssist
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Basemap
Imagery
Draw
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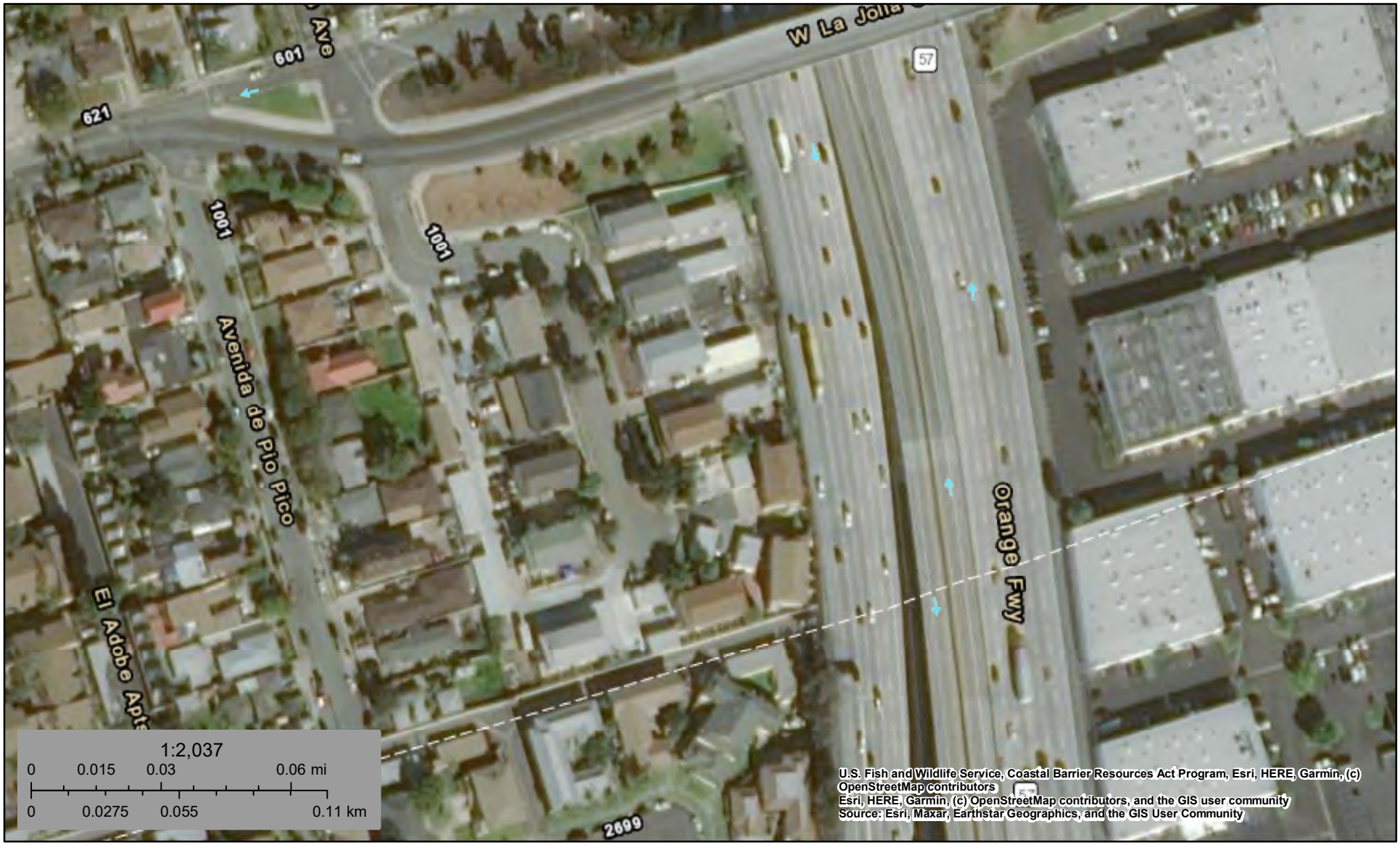
Save Session
Tools
More Data
Measure
Click one of the following buttons to start measuring:
Unit
Miles
Mode
Auto
Distance
15.02 mi
New Measurement
Select Map Contents
EPA Facilities
Water Monitoring Stations
Boundaries
Non-attainment Areas
EJScreen Indexes (2021)
Water
Transportation
Airport Points
Airport Polygons
Railroads
Places
Critical Habitat
NWI Wetlands
FEMA Flood
Land Cover
15.02 mi
Santa Monica
Ocean Park
Culver City
Kenneth Hahn State Recreation Area
East Los Angeles
Montebello
Pomona Fwy
Chino
Chino Hills
Huntington Park
Whittier
Inglewood
South Gate
Downey
Firestone Boy Scout Reservation
Hawthorne
Lynwood
Norwalk
Water Canyon Natural Preserve
Compton
Yorba Linda
Bellflower
Cerritos
Buena Park
Fullerton
Redondo Beach
Torrance
Lakewood
Carson
Anaheim
City of Torrance Open Space
Palos Verdes Estates City Parkland
Orange
Garden Grove
Long Beach
Naval Weapons Station Seal Beach
Westminster
Santa Ana
Tustin
Rancho Palos Verdes
Fort MacArthur
Sunset Beach
Fountain Valley
Irvine
Huntington Beach
Costa Mesa
Cliff Haven
Newport Beach
Lake Forest
Mission Viejo
Rancho Santa Margarita
Laguna Hills
Crystal Cove
6 km
4 mi
EnviroMapper®

Attachment 2. Coastal Barrier Resources Map

U.S. Fish and Wildlife Service
Coastal Barrier Resources System

1038 Cypress St Placentia CA 92



May 18, 2022

CBRS Buffer Zone

System Unit

CBRS Units

Otherwise Protected Area

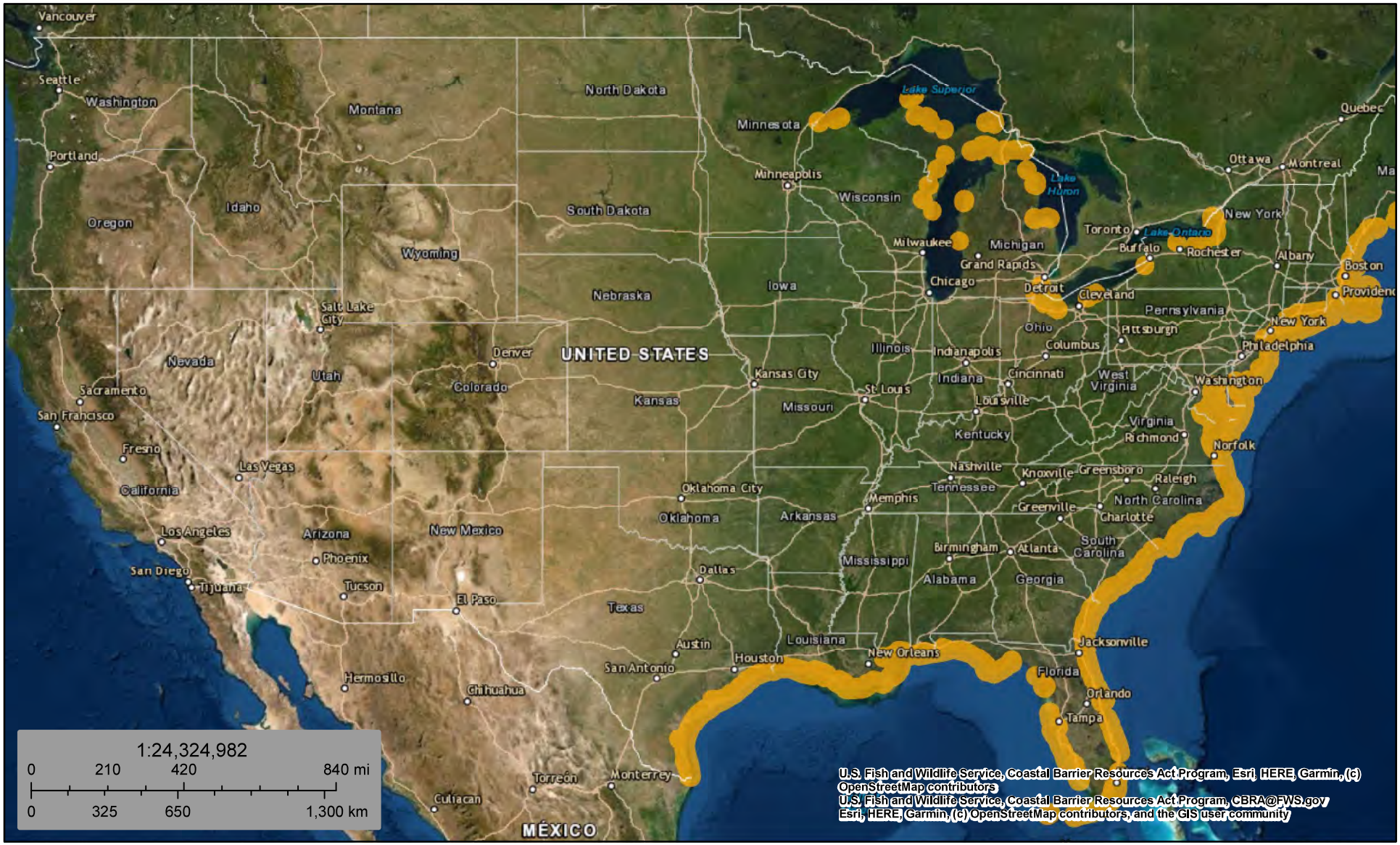
This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at https://www.fws.gov/cbra/maps/index.html. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (http://www.fws.gov/cbra/Determinations.html) as to whether the property or project site is located "in" or "out" of the CBRS.

CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS mapper.

U.S. Fish and Wildlife Service
Coastal Barrier Resources System

1038 Cypress St Placentia CA 92



May 24, 2022

CBRS Units

This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at https://www.fws.gov/cbra/maps/index.html. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

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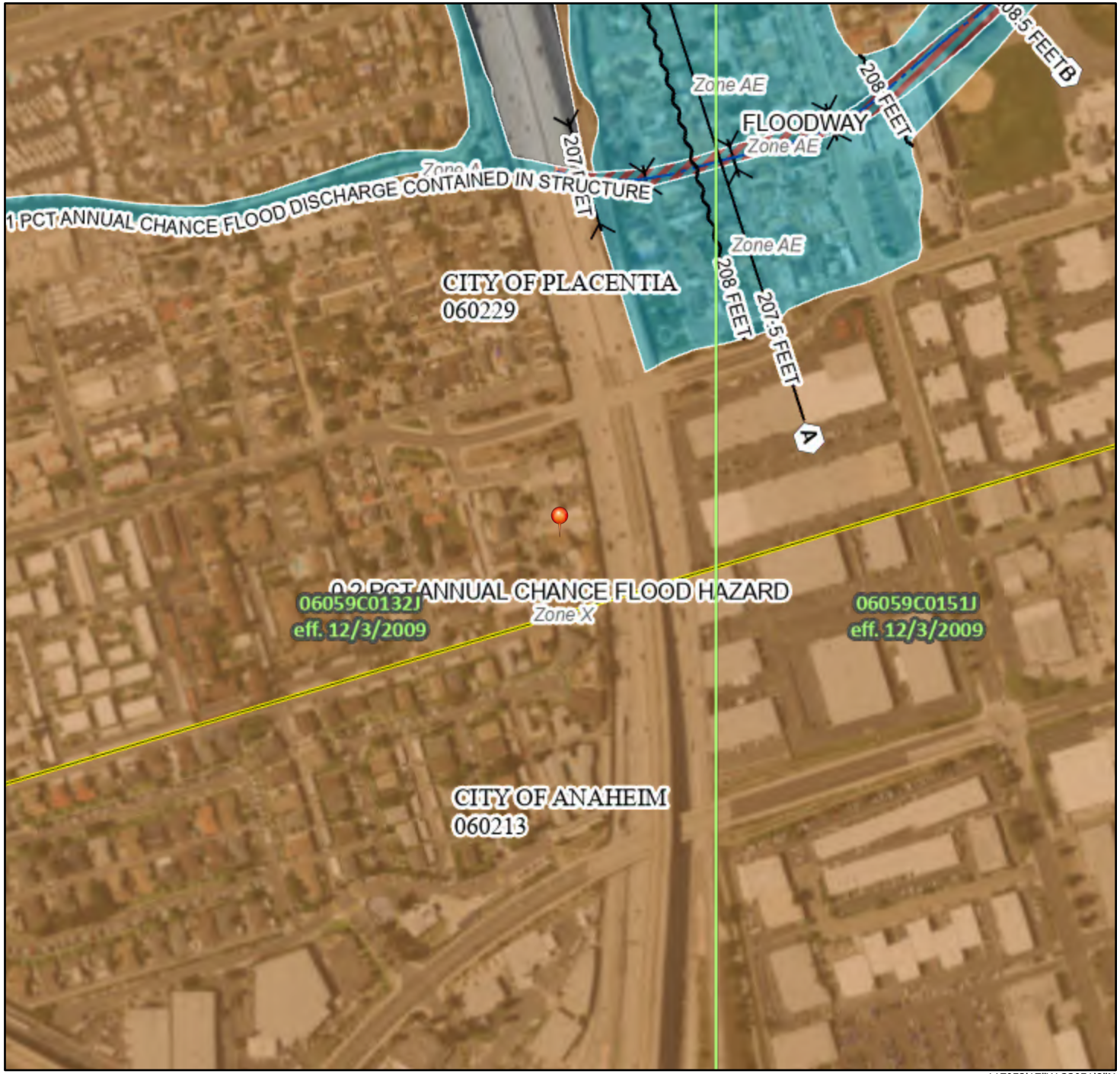
CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS mapper.

Attachment 3. FIRM National Flood Hazard Layer

National Flood Hazard Layer FIRMette

FEMA

117°52'54"W 33°51'38"N



117°52'17"W 33°51'8"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

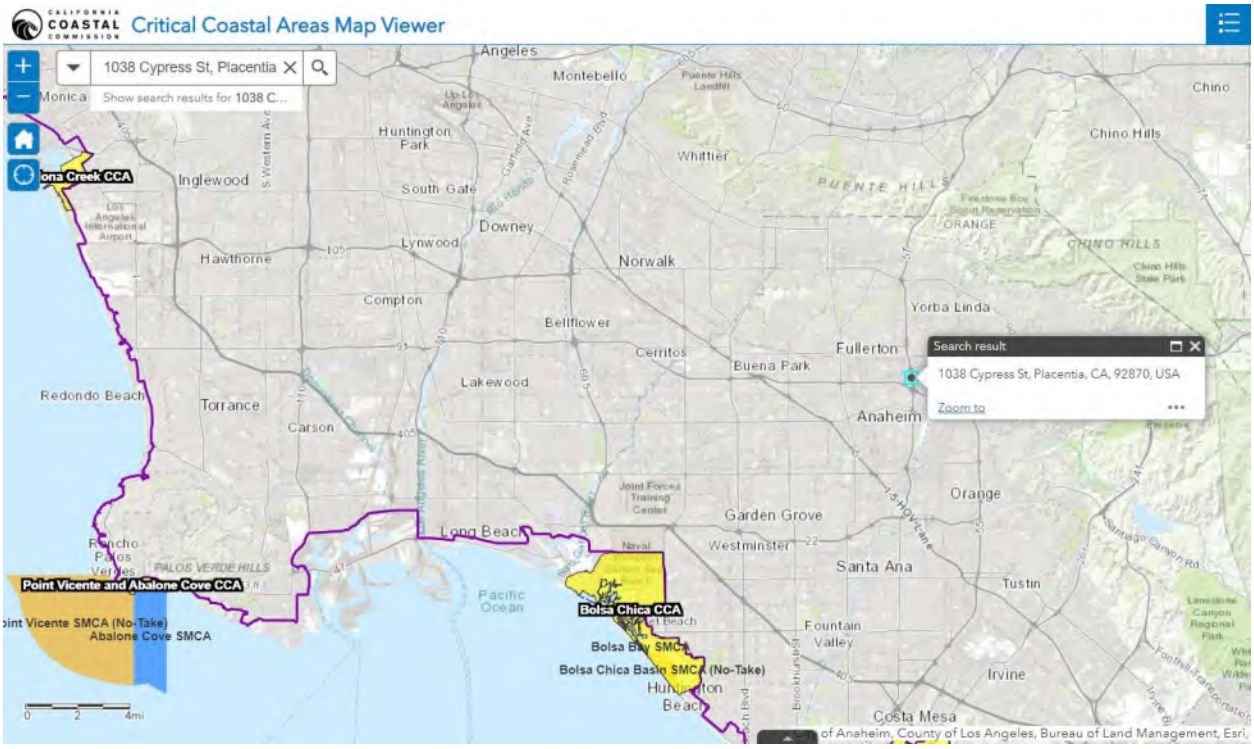
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

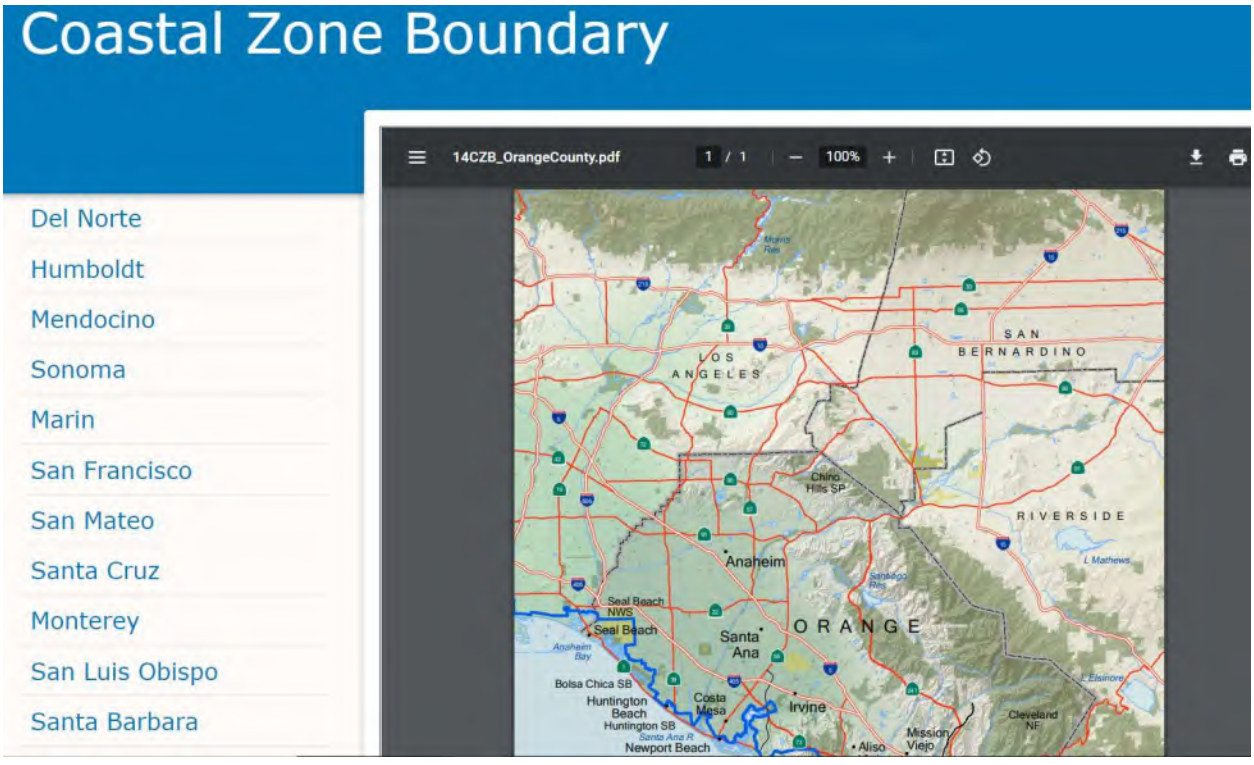
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/26/2023 at 12:16 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Attachment 4. Coastal Zone Management Boundary



Coastal Zone Boundary – 1038 Cypress St Placentia CA 92870



Attachment 5. Asbestos Inspection Report

BARR & CLARK
Independent Environmental Testing
Asbestos • Lead • Mold • Phase I

LIMITED ASBESTOS INSPECTION REPORT
(Exterior Garages Only)

OF

FOUR-PLEX
1038-1044 CYPRESS AVENUE
PLACENTIA, CA 92870

PROJECT NO. 3107878

MARCH 17, 2023

Prepared For:
Colette's Children's Home
7372 Prince Drive #106
Huntington Beach, CA 92647

Inspected & Prepared By:

Jeremy Nguyen
State of California
Certified Asbestos Consultant

Reviewed By:

Matt Crochet
State of California
Certified Asbestos Consultant

TABLE OF CONTENTS

LIMITED ASBESTOS INSPECTION REPORT
(Exterior Garages Only)

1.0 INTRODUCTION

This report presents the results of Barr & Clark Environmental's limited asbestos inspection of the Four-Plex located at 1038-1044 Cypress Avenue, Placentia, California (Subject Property). This document is prepared for the sole use of Colette's Children's Home, and any regulatory agencies that are directly involved in this project. No other party should rely on the information contained herein without prior written consent of Colette's Children's Home. The scope of services, inspection methodology, and results are presented below.

2.0 SCOPE OF WORK

The purpose of this limited inspection is to identify and assess certain accessible Asbestos Containing Materials (ACM) at the subject property**.**

On March 15, 2023, Jeremy Nguyen (CAC #17-6140) of Barr & Clark performed a limited inspection for asbestos at the subject property in Placentia, California. Physical bulk samples were collected of select suspect materials from representative locations and submitted to an independent laboratory for analysis. If asbestos was detected at any concentration within a sample of a suspect material, it was concluded that the material contains asbestos. Suspect materials were also visually inspected to assess their condition. ***NOTE: This survey is limited to the areas and suspect materials collected. It is also important to note that other asbestos containing materials may exist in this structure but were not identified and sampled.***

3.0 PROPERTY DESCRIPTION

The subject property is are unoccupied garages of a fourplex that was built circa 1964. It is a two-story building that is constructed over a slab foundation. The exterior walls are covered with stucco. Most of the sampled suspect materials were in good condition and there was no obvious fire or structural damage at the time of inspection.

4.0 INSPECTOR'S QUALIFICATIONS

Jeremy Nguyen of Barr & Clark performed the limited inspection at the site. Personnel certificate(s) have been provided in ***Appendix B.***

5.0 SAMPLING PROTOCOL / SAMPLE ANALYSIS

Sampling Protocol: Sampling was patterned after the Asbestos School Hazard Emergency Response Act (40 CFR 763 Subpart E) as mandated by Cal/OSHA (Title 8 Section 1529) and South Coast Air Quality Management District (Rule 1403).

Sample Analysis: Physical bulk samples were collected from this property and analyzed for asbestos content by a laboratory accredited by the National Voluntary Laboratory Accreditation Program. The method of analysis was Polarized Light Microscopy (EPA 600/R-93/116).

***Laboratory Information*:**

Laboratory: *Patriot Environmental Laboratory Services*
1041 S Placentia Ave, Fullerton, CA 92831
Tel/Fax: (714) 828-4999 / (714) 828-4944
CA NVLAP Lab Code 200358-0, CA ELAP 2540

Additional laboratory information can be found on the last page of the laboratory results ***(Appendix A).***

NOTE: The samples were collected on 03/15/23 and the laboratory picked them up from our office on 03/16/23. All samples were kept in our locked office. The samples were then analyzed on 03/16/23 and reported on 03/17/23.

6.0 SUMMARY OF RESULTS

No asbestos was detected in any of the samples collected.

List of All Samples Collected:

Material	Sample #	Location	Condition	Quantity*	% Asbestos	Friable / Non-Friable
Exterior Stucco	1-5	Exterior Walls Throughout	**Good**	**3000 S.F.**	**None Detected**	**Non-Friable**
Roofing	6-8	Roof and All Like Roofing Throughout	**Good**	**2500 S.F.**	**None Detected**	**Non-Friable**

***NOTE: This was a limited survey – only exterior of the garages was sampled. It is important to note that other asbestos containing materials may exist in this structure but were not identified and sampled*.**

7.0 INSPECTION LIMITATIONS

This limited inspection was planned, developed, and implemented based on Barr & Clark's previous experience in performing asbestos inspections. Barr & Clark utilized state-of-the-art-practices and techniques in accordance with regulatory standards while performing this limited inspection. Barr & Clark's evaluation of the relative risk of exposure to asbestos identified during this limited inspection is based on conditions observed at the time of the inspection. Barr

& Clark cannot be responsible for changing conditions that may alter the relative exposure risk or for future changes in accepted methodology.

This inspection did not evaluate hidden, buried or unseen building or other materials. When future renovation or demolition activities are undertaken, Barr & Clark should be contacted if such are encountered for further evaluation. Any materials that were not sampled during the inspection must be presumed to contain asbestos until proven otherwise. Access and inspection of attics or crawl spaces could be reduced due to visibility, obstructions, health and safety hazards or structural issues. All undocumented materials should be presumed to contain asbestos until sampled and analyzed.

Enclosed are the actual test results and all relevant certifications and licenses.

APPENDIX A

(LABORATORY RESULTS)

Certificate of Analysis
PLM Asbestos Identification

tel - 714-607-5227
free - 855-968-7522
OCLab@patriotlab.com
1041 S. Placentia Avenue, Fullerton, CA 92831

PATRIOT LAB

Barr and Clark
16531 Bolsa Chica St #205
Huntington Beach, CA 92649

Report Number: 961077
Project Number: 3107878
Project Name: Four-Plex
Project Location: 1038-1044 Cypress Avenue
Placentia, CA 92870

Date Collected: 3/15/2023
Date Received: 3/16/2023
Date Analyzed: 3/16/2023
Date Reported: 3/17/2023

Collected By: Jeremy Nguyen
Claim Number:
PO Number:
Number of Samples: 8

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
961077-001 1	Ext Walls	Stucco	Beige	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
961077-002 2	Ext Walls	Stucco	Beige	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
961077-003 3	Ext Walls	Stucco	Beige	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
961077-004 4	Ext Walls	Stucco	Beige	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
961077-005 5	Ext Walls	Stucco	Beige	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
961077-006 6	Roof	Roofing	Black	65% Non-Fibrous Material 15% Glass Fibers 20% Cellulose
Total Asbestos	**None Detected**			

Certificate of Analysis
PLM Asbestos Identification

tel - 714-607-5227
free - 855-968-7522
OCLab@patriotlab.com
1041 S. Placentia Avenue, Fullerton, CA 92831

PATRIOT LAB

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Date Received: 3/16/2023
Date Analyzed: 3/16/2023
Date Reported: 3/17/2023

Collected By: Jeremy Nguyen
Claim Number:
PO Number:
Number of Samples: 8

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
961077-007 7	Roof	Roofing	Black	65% Non-Fibrous Material 15% Glass Fibers 20% Cellulose
Total Asbestos	**None Detected**			
961077-008 8	Roof	Roofing	Black	65% Non-Fibrous Material 15% Glass Fibers 20% Cellulose
Total Asbestos	**None Detected**			

Jorge Castillo - Analyst

Kwin Sheena Legaspi - Lab Manager - Approved By

Bulk sample(s) submitted was (were) analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR 763, Subpart F, Appendix A; EPA-600/R-93/116 (Method for Determination of Asbestos in Building Materials), and EPA-600/M4-82-020 (US EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples). Samples were analyzed using Calibrated Visual Estimations (CVES); therefore, results may not be reliable for samples of low asbestos concentration levels. Samples of wall systems containing discrete and separable layers are analyzed separately and reported as composite unless specifically requested by the customer to report analytical results for individual layers. This report applies only to the items tested. Results are representative of the samples submitted and may not represent the entire material from which the samples were collected. "None Detected" means that no asbestos was observed in the sample. "<1%" (less than one percent) or Trace means that asbestos was observed in the sample but the concentration is below the quantifiable level of 1%. This report was issued by a NIST/NVLAP (Lab Code 200358-0) and CA Water Board ELAP (Cert. No. 2540) accredited laboratory and may not be reproduced, except in full without the expressed written consent of Patriot Environmental Laboratory Services, Inc. This report may not be used to claim product certification, approval or endorsement by NIST, NVLAP, CA-ELAP or any government agency.

ASB_Rep_2.23

BARR & CLARK ENVIRONMENTAL

961077

Project No. **3107878**
Date: 03/15/23
Inspector: Jeremy Nguyen

Project Name: **Four-Plex**
Address: 1038-1044 Cypress Avenue, Placentia, CA 92870

Sample #	*Lab #*	*Location*	*Material*	*Condition (G/D/S)*	*Stop at 1st Positive*
1		Ext. Walls	Stucco	G	Yes
2		"	"	"	"
3		"	"	"	"
4		"	"	"	"
5		"	"	"	"
6		Roof	Roofing	G	yes
7		"	"	"	"
8		"	"	"	"
9					
10					
11					
12					

317 @ 8:36

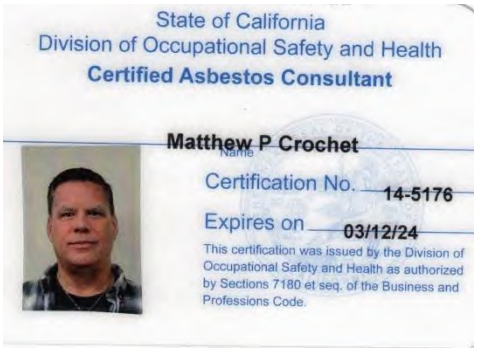
Relinquished by: _____ **Date:** 3/15/23 **Turnaround:** (24 HR) **RUSH**____**HR**

Received by: Matia Reyes **Date:** 3.16.23 **Time:** 9:36 **Analysis: PLM**

APPENDIX B

(INSPECTOR'S CERTIFICATES)

Asbestos Certifications

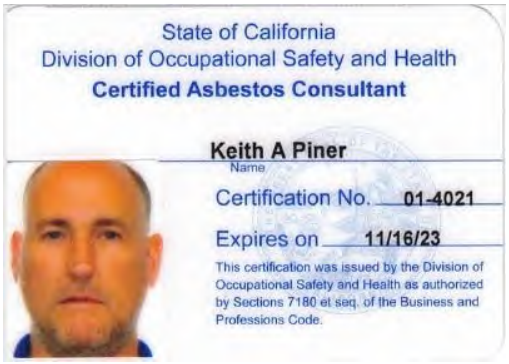

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Matthew P Crochet
Name

Certification No. **14-5176**

Expires on **03/12/24**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

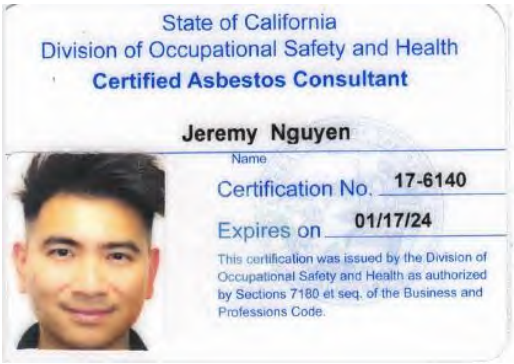

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Keith A Piner
Name

Certification No. **01-4021**

Expires on **11/16/23**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.


State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Jeremy Nguyen
Name

Certification No. **17-6140**

Expires on **01/17/24**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.


State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Dana E Williams
Name

Certification No. **93-1168**

Expires on **11/19/23**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

APPENDIX C

(INSURANCE CERTIFICATE)

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 3/12/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER AssuredPartners of WA LLC 19660 10th Ave NE Poulsbo WA 98370	CONTACT NAME: Theresa Olanie #0N1416 PHONE (A/C, No, Ext): 360-626-2957 FAX (A/C, No): 360-626-2957 E-MAIL ADDRESS: Theresa.Olanie@assuredpartners.com
INSURED BARR&CL-02 Barr & Clark Inc 16531 Bolsa Chica Street, Suite 205 Huntington Beach CA 92649	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : Westchester Surplus Lines Insurance Company INSURER B : Nationwide Mutual Insurance Company — 23787 INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** 410102091 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY	Y	Y	G46606954 003	3/9/2021	3/9/202X	EACH OCCURRENCE	$ 2,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 50,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
B	AUTOMOBILE LIABILITY	Y	Y	ACP3009382782	6/22/2020	6/22/202X	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						PER STATUTE / OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N / A	N / A					E.L. EACH ACCIDENT	$
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$
A	Prof Liab; Claims Made Contractors Pollution Liab			G46606954 003	3/9/2021	3/9/202X	Per Claim Per Claim	2,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

NOTE: This is a copy of our general, professional and automobile liability insurance. Your city or company's specific insurance and endorsement is on file.

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Bonnie Nortt

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POLICYHOLDER COPY

SP

STATE COMPENSATION INSURANCE FUND

P.O. BOX 8192, PLEASANTON, CA 94588

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

GROUP:
POLICY NUMBER: 1917813
CERTIFICATE ID: 243

This is a copy of our general worker's compensation insurance. Your company or city's specific insurance is on file.

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon 30 days advance written notice to the employer.

We will also give you 30 days advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policy listed herein. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate of insurance may be issued or to which it may pertain, the insurance afforded by the policy described herein is subject to all the terms, exclusions, and conditions, of such policy.

Authorized Representative

President and CEO

EMPLOYER'S LIABILITY LIMIT INCLUDING DEFENSE COSTS: $1,000,000 PER OCCURRENCE.

ENDORSEMENT #0015 ENTITLED ADDITIONAL INSURED EMPLOYER EFFECTIVE IS ATTACHED TO AND FORMS A PART OF THIS POLICY. NAME OF ADDITIONAL INSURED:

ENDORSEMENT #2065 ENTITLED CERTIFICATE HOLDERS' NOTICE EFFECTIVE IS ATTACHED TO AND FORMS A PART OF THIS POLICY.

EMPLOYER

BARR & CLARK, INC
16531 BOLSA CHICA ST STE 205
HUNTINGTON BEACH CA 92649

SP

[P14,SP]

(REV.7-2014)

Attachment 6. Lead-Based Paint Inspection Report

BARR & CLARK
Independent Environmental Testing
Asbestos • Lead • Mold • Phase I

LEAD-BASED PAINT INSPECTION REPORT
(EXTERIOR GARAGES ONLY)

OF

FOUR-PLEX
1038-1044 CYPRESS AVENUE
PLACENTIA, CA

PROJECT NO. 3107878

MARCH 17, 2023

Prepared For:
Colette's Children's Home
7372 Prince Drive #106
Huntington Beach, CA 92647

Prepared By:

Jeremy Nguyen
State of California Certified
Lead Inspector / Risk Assessor

Reviewed By:

Matt Crochet
State of California Certified
Lead Inspector / Risk Assessor

TABLE OF CONTENTS

LEAD-BASED PAINT INSPECTION REPORT
(EXTERIOR GARAGES ONLY)

1.0 INTRODUCTION

This report presents the results of Barr & Clark Environmental's lead-based paint (LBP) inspection of the Four-Plex located at 1038-1044 Cypress Avenue, Placentia, California (Subject Property). This document is prepared for the sole use of the Colette's Children's Home, and any regulatory agencies that are directly involved in this project. No other party should rely on the information contained herein without prior written consent of the Colette's Children's Home. The scope of services, inspection methodology, and results are presented below.

2.0 SCOPE OF WORK

The purpose of this inspection is to identify and assess the Lead-Based Paint (LBP) present on exterior painted components at the subject property.

On March 15, 2023, Barr & Clark performed an inspection for lead-based paint at the subject property in Placentia, California. ***Only the accessible exterior garage building components were sampled for the presence of LBP.*** The intent was to ascertain the presence of lead-based paint above the federal action level. If LBP was found, the inspection would identify individual architectural components and their respective concentrations of lead in such a manner that this report would be used to characterize the presence of LBP at this property.

3.0 PROPERTY DESCRIPTION

The subject property are garages of a fourplex that was built circa 1964. It is a two-story building that is constructed over a slab foundation. The exterior walls are covered with stucco. At the time of this inspection, most of the painted surfaces were in good to fair condition.

4.0 INSPECTOR'S QUALIFICATIONS

Jeremy Nguyen of Barr & Clark performed the inspection at the site using a Heuresis/ Viken Pb200i Lead Paint Analyzer (XRF spectrum analyzer instrument). He has attended the radiation safety course for handling the instrument, and completed an EPA approved curriculum in Lead in Construction Inspector / Risk Assessor Training.

At the time of this report, the California Department of Health Services, Childhood Lead Poisoning Branch, has implemented a State Certification Model Accreditation Plan adopted from the EPA. Jeremy Nguyen has received certification. Personnel certificate(s) have been provided.

5.0 TESTING PROTOCOL

XRF Testing: Testing of the painted surfaces was patterned after the inspection protocol in Chapter 7 of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing[1]. In every "room equivalent" within the tested property, one representative surface of each "testing combination" was tested. Multiple readings were collected to resolve inconsistencies in the test results.

Regulatory Compliance: Several public (government) agencies have a published "regulatory action level" to classify LBP. To further complicate matters, some of the established "levels" are quantified in different units of measurement. Listed below are the current regulatory agencies that have defined LBP, along with the respective action level:

Agency	Ordinance #	Action level (mg / cm^2)	Action level (ppm^2)
HUD / EPA	24 CFR 35.86 & 40 CFR 745.103	1.0 mg / cm^2	5,000 ppm
OSHA / CAL OSHA	29 CFR 1926.62 & Title 8, 1532.1	*Not Specified*	600 ppm[3]

HUD / EPA have recently issued the following guidance regarding units of measurement for paint samples:

"Report lead paint amounts in mg/cm² because this unit of measurement does not depend on the number of layers of non-lead-based paint and can usually be obtained without damaging the painted surface. All measurements of lead in paint should be in mg/cm², unless the surface area cannot be measured or if all paint cannot be removed from the measured surface area. In such cases, concentrations may be reported in weight percent (%) or parts per million by weight (ppm)."[4]

Furthermore, EPA has previously issued guidance on lead content classification as follows:

"… The rule, at 24 CFR 35.86 and 40 CFR 745.103 states that a lead-based paint free finding must demonstrate that the building is free of 'paint or other surface coatings that contain lead in excess of 1.0 milligrams per square centimeter *(1.0 mg / cm^2)* or 0.5 percent by weight *(5000 ppm)*.' The State standards are not applicable, whether more or less stringent, since a State cannot amend Federal requirements."[5]

In recognition of the various action levels the testing results are classified as follows for this report:

- Painted surfaces with readings at or above 1.0 mg / cm^2 are considered - Positive
- Painted surfaces with readings at or below 0.9 mg / cm^2 are considered - Negative

The individual readings have been provided on all field data sheets. Any future change in action levels by one of the regulating agencies may affect the classification of results.

6.0 METHOD OF TESTING

Paint Testing: The method employed was X-ray fluorescence (XRF) using a Heuresis/ Viken Pb200i Lead Paint Analyzer (XRF spectrum analyzer instrument). The instrument was operated in "Quick Mode," where the duration for each test result is determined by a combination of:

- the actual reading relative to the designated action level;
- the age of the radioactive source; and
- the substrate on which the test was taken.

1 2012 Revision
2 Parts per million
3 Applies to construction related activities
4 Chapter 7 of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012 Revision).
5 Office of Pollution Prevention and Toxics, (August 20, 1996)

The instrument's calibration was verified according to the manufacturer's specifications in compliance with the Performance Characteristic Sheet (PCS) developed for this instrument.

The readings from this instrument produce a 95% confidence level that the "lead" reading accurately reflects the actual level of lead in the tested surfaces, relative to the federal action level.

7.0 SUMMARY OF RESULTS

Paint Sampling: Throughout the subject property***, none of the tested exterior of the garage painted surfaces indicated the presence of lead based paint (LBP) at or above the respective action level.***

NOTE: Only the accessible areas of the building exteriors of the garage were sampled.

Sampling for this inspection was representative. The field data and results for paint sampling may be found at the end of this report***.***

8.0 RECOMMENDATIONS

Since none of the tested exterior painted surfaces indicated the presence of lead based paint (LBP) at or above the respective action level, ***no further exterior testing is required at this time.***

NOTE: Only the accessible areas of the building exteriors of the garage were sampled.

9.0 INSPECTION LIMITATIONS

This inspection was planned, developed, and implemented based on Barr & Clark's previous experience in performing lead-based paint inspections. This inspection was patterned after Chapter 7 of the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012 Revision)*. Barr & Clark utilized state-of-the-art-practices and techniques in accordance with regulatory standards while performing this inspection. Barr & Clark's evaluation of the relative risk of exposure to lead identified during this inspection is based on conditions observed at the time of the inspection. Barr & Clark cannot be responsible for changing conditions that may alter the relative exposure risk or for future changes in accepted methodology. Enclosed are the actual test results and all relevant certifications and licenses.

APPENDIX

XRF FIELD DATA
CDPH 8552
INSPECTOR CERTIFICATIONS
INSURANCE

SUMMARY OF EXTERIOR

Project Name: Four-Plex **Project Number:** 3107878

Address:
1038-1044 Cypress Avenue
Placentia, CA 92870

Component	Number Tested	Number Positive	Percent Positive	Number Negative	Percent Negative
Metal Garage Door	3	0		3	100.00%
Stucco Wall	4	0		4	100.00%
Wood Fascia	4	0		4	100.00%
Wood Garage Door Frame	3	0		3	100.00%
Total	**14**	**0**		**14**	

Testing done in compliance with current HUD guidelines for XRF.

SUMMARY OF CALIBRATION

Project Name: Four-Plex **Project Number:** 3107878

Address:
1038-1044 Cypress Avenue
Placentia, CA 92870

Component	Number Tested	Number Positive	Percent Positive	Number Negative	Percent Negative
Wood 1.0 mg/cm2 Standard	6	6	100.00%	0	
Total	**6**	**6**		**0**	

Testing done in compliance with current HUD guidelines for XRF.

Calibration Lead Containing Components List

Project Name: Four-Plex

Project Number:3107878

Address:
1038-1044 Cypress Avenue
Placentia, CA 92870

Protocol:HUD

Sample	Side	Testing Combination	Room Equivalent	Lead	Results	Condition	Comments
1		1.0 mg/cm2 Standard Wood	Calibration Start of Job	1.0	POSITIVE	Intact	
2		1.0 mg/cm2 Standard Wood	Calibration Start of Job	1.1	POSITIVE	Intact	
3		1.0 mg/cm2 Standard Wood	Calibration Start of Job	1.0	POSITIVE	Intact	
18		1.0 mg/cm2 Standard Wood	Calibration End of Job	1.0	POSITIVE	Intact	
19		1.0 mg/cm2 Standard Wood	Calibration End of Job	1.1	POSITIVE	Intact	
20		1.0 mg/cm2 Standard Wood	Calibration End of Job	1.0	POSITIVE	Intact	

The HUD action level for lead-based paint is 1.0 mg/cm2.
Positive is defined as XRF sampling with levels at or above of 1.0 mg/cm2.

FIELD DATA

FIELD DATA REPORT

Project Name: Four-Plex

Project Number: 3107878

Address:
1038-1044 Cypress Avenue
Placentia, CA 92870

Protocol: HUD

Sample	Unit ID/Location	Room Equivalent	Side	Component	Substrate	Condition	Lead	Results	Comments
1	Calibration	Calibration Start of Job		1.0 mg/cm2 Standard	Wood	Intact	1.0	POSITIVE	
2	Calibration	Calibration Start of Job		1.0 mg/cm2 Standard	Wood	Intact	1.1	POSITIVE	
3	Calibration	Calibration Start of Job		1.0 mg/cm2 Standard	Wood	Intact	1.0	POSITIVE	
4	Perimeter	Exterior West Side	A	Wall	Stucco	Intact	0.5	Negative	
5	Perimeter	Exterior West Side	A	Fascia	Wood	DETERIORATED	0.3	Negative	
6	Perimeter	Exterior North Side	B	Wall	Stucco	Intact	0.3	Negative	
7	Perimeter	Exterior North Side	B	Fascia	Wood	Intact	0.0	Negative	
8	Perimeter	Exterior North Side	B	Garage Door	Metal	Intact	0.0	Negative	
9	Perimeter	Exterior North Side	B	Garage Door Frame	Wood	Intact	0.3	Negative	
10	Perimeter	Exterior North Side	B	Garage Door	Metal	Intact	0.0	Negative	
11	Perimeter	Exterior North Side	B	Garage Door Frame	Wood	DETERIORATED	0.2	Negative	
12	Perimeter	Exterior North Side	B	Garage Door	Metal	Intact	0.0	Negative	
13	Perimeter	Exterior North Side	B	Garage Door Frame	Wood	DETERIORATED	0.2	Negative	
14	Perimeter	Exterior East Side	C	Wall	Stucco	Intact	0.1	Negative	
15	Perimeter	Exterior East Side	C	Fascia	Wood	DETERIORATED	0.3	Negative	
16	Perimeter	Exterior South Side	D	Wall	Stucco	Intact	0.1	Negative	
17	Perimeter	Exterior South Side	D	Fascia	Wood	DETERIORATED	0.3	Negative	
18	Calibration	Calibration End of Job		1.0 mg/cm2 Standard	Wood	Intact	1.0	POSITIVE	
19	Calibration	Calibration End of Job		1.0 mg/cm2 Standard	Wood	Intact	1.1	POSITIVE	
20	Calibration	Calibration End of Job		1.0 mg/cm2 Standard	Wood	Intact	1.0	POSITIVE	

The HUD action level for lead-based paint is 1.0 mg/cm2.
Positive is defined as XRF sampling with levels at or above of 1.0 mg/cm2.

LEAD HAZARD EVALUATION REPORT

Section 1-Date of Lead Hazard Evaluation 3/15/2023

Section 2-Type of Lead Hazard Evaluation (Check one box only)

❒ Lead inspection ❒ Risk assessment ❒ Clearance inspection ☒ Other (Limited LBP Inspection)

Section 3-Structure Where Lead Hazard Evaluation Was Conducted

Address (number, street, apartment (if applicable)	City	County	ZIP code
1038-1044 Cypress Avenue	Placentia	Orange	92870

Construction date (year) of structure	Type of structure (check one box only)	Children Living in Structure?
1964	❒ Multi-unit building ❒ School or Daycare ❒ Single Family Dwelling ☒ Other (Garages)	❒ Yes ❒ No ☒ Don't Know

Section 4-Owner of Structure (If business/agency, list contact person)

Name	Telephone number
Billy O'Connell	(714) 606-0853

Address [number, street, apartment (if applicable)]	City	State	ZIP code
1038-1044 Cypress Avenue	Placentia	CA	92870

Section 5-Results of Lead Hazard Evaluation (Check all that apply)

☒ No lead-based paint detected ❒ Intact Lead-based paint detected ❒ Deteriorated Lead-based paint detected

❒ No lead hazards detected ❒ Lead Contaminated Dust Found ❒ Lead Contaminated Soil Found ❒ Other (specify)

Section 6-Individual Conducting Lead Hazard Evaluation

Name	Telephone number
Jeremy Nguyen	714-894-5700

Address (number, street, apartment (if applicable)	City	State	ZIP code
16531 Bolsa Chica, Suite 205	Huntington Beach	CA	92649

CDPH certification number	Signature	Date
LRC-00000593		3/17/23

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Section 7-Attachments

A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint:

B. Each testing method, device, and sampling procedure used;

C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Maria Bay Parkway, Building P,
Third Floor
Richmond, CA 94804-6403
Fax (510) 620-5656

Lead Inspector/Risk Assessor/Project Designer Certifications

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Matthew Crochet	Lead Inspector/Assessor	LRC-00005312	6/13/2024
	Lead Project Monitor	LRC-00005311	6/13/2024

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Keith Piner	Lead Inspector/Assessor	LRC-00005331	5/6/2023

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Jeremy Nguyen	Lead Inspector/Assessor	LRC-00000593	7/3/2023

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Dana Williams	Lead Inspector/Assessor	LRC-00005620	3/11/2023

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

Certificate of Training

Dana Williams

Has completed the Heuresis Corp. training materials presented on the topic of Instrument Operator Training, Pb200i, with regards to the materials licensed by the Commonwealth of Massachusetts and the Nuclear Regulatory Commission.

HEURESIS CORPORATION

Instrument Operator Training
Heuresis Corporation, Pb200i

I confirm that the above named individual has received this training value on this certificate.

Name Date

Title

I certify that I have received the stated training and understand the content presented. I understand that I can follow up this training with questions from Heuresis Corporation.

5-17-19

Name Date

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Troy Whitmark	Lead Inspector/Assessor	LRC-00009920	4/11/2024

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

Certificate of Training

Troy Whitmark

Has completed the Viken Detection Corporation training materials presented on the topic of Instrument Operator Training, Pb200i, with regards to the materials licensed by the Commonwealth of Massachusetts and the Nuclear Regulatory Commission.

Instrument Operator Training
Viken Detection Corporation, Pb200i

I confirm that the above named individual has received this training value on this certificate.

Name Date

Title

I certify that I have received the stated training and understand the content presented. I understand that I can follow up this training with questions from Viken Detection Corporation.

Name Date

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Alexander Lefebvre	Lead Sampling Technician	LRC-00005115	1/17/2024

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

Certificate of Training

Alexander Lefebvre

Has completed the Viken Detection Corporation training materials presented on the topic of Instrument Operator Training, Pb200i, with regards to the materials licensed by the Commonwealth of Massachusetts and the Nuclear Regulatory Commission.

Instrument Operator Training
Viken Detection Corporation, Pb200i

I confirm that the above named individual has received this training value on this certificate.

Name Date

Title

I certify that I have received the stated training and understand the content presented. I understand that I can follow up this training with questions from Viken Detection Corporation.

Name Date

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 Juan Garcia	Lead Sampling Technician	LRC-00009587	1/5/2024

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

geotech

XRF Safety Training Certificate

THIS ACKNOWLEDGES THAT

Juan Garcia

HAS RECEIVED VENDOR INSTRUCTION AND TRAINING ON THE PRINCIPLES AND PRACTICES OF RADIATION SAFETY, THE PERFORMANCE AND SAFE OPERATION OF AN XRF, AND DOT HAZMAT TRAINING.

Abi Bishop Digitally signed by Abi Bishop Date: 2022.01.07 11:20:03 -07'00'

PROGRAM COORDINATOR

01/07/2022

I CERTIFY THAT I HAVE RECEIVED THE STATED TRAINING AND UNDERSTAND THE CONTENT PRESENTED. I UNDERSTAND THAT I CAN FOLLOW UP THIS TRAINING WITH QUESTIONS FROM GEOTECH ENVIRONMENTAL EQUIPMENT, INC.

Juan Garcia 1/7/2022

CERTIFICATE HOLDER NAME DATE

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 3/12/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER AssuredPartners of WA LLC 19660 10th Ave NE Poulsbo WA 98370	CONTACT NAME: Theresa Olanie #0N1416 PHONE (A/C, No, Ext): 360-626-2957 FAX (A/C, No): 360-626-2957 E-MAIL ADDRESS: Theresa.Olanie@assuredpartners.com
	INSURER(S) AFFORDING COVERAGE — NAIC #
	INSURER A : Westchester Surplus Lines Insurance Company
INSURED BARR&CL-02 Barr & Clark Inc 16531 Bolsa Chica Street, Suite 205 Huntington Beach CA 92649	INSURER B : Nationwide Mutual Insurance Company — 23787
	INSURER C :
	INSURER D :
	INSURER E :
	INSURER F :

COVERAGES **CERTIFICATE NUMBER:** 410102091 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY	Y	Y	G46606954 003	3/9/2021	3/9/202X	EACH OCCURRENCE	$ 2,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 50,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
B	AUTOMOBILE LIABILITY	Y	Y	ACP3009382782	6/22/2020	6/22/202X	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						PER STATUTE OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Prof Liab; Claims Made Contractors Pollution Liab			G46606954 003	3/9/2021	3/9/202X	Per Claim Per Claim	2,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

NOTE: This is a copy of our general, professional and automobile liability insurance. Your city or company's specific insurance and endorsement is on file.

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Bonnie Nortts

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POLICYHOLDER COPY

SP

STATE COMPENSATION INSURANCE FUND

P.O. BOX 8192, PLEASANTON, CA 94588

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

GROUP:
POLICY NUMBER: 1917813
CERTIFICATE ID: 243

This is a copy of our general worker's compensation insurance. Your company or city's specific insurance is on file.

This is to certify that we have issued a valid Workers' Compensation Insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon **30** days advance written notice to the employer.

We will also give you **30** days advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policy listed herein. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate of insurance may be issued or to which it may pertain, the insurance afforded by the policy described herein is subject to all the terms, exclusions, and conditions, of such policy.

Authorized Representative

President and CEO

EMPLOYER'S LIABILITY LIMIT INCLUDING DEFENSE COSTS: $1,000,000 PER OCCURRENCE.

ENDORSEMENT #0015 ENTITLED ADDITIONAL INSURED EMPLOYER EFFECTIVE IS ATTACHED TO AND FORMS A PART OF THIS POLICY. NAME OF ADDITIONAL INSURED:

ENDORSEMENT #2065 ENTITLED CERTIFICATE HOLDERS' NOTICE EFFECTIVE IS ATTACHED TO AND FORMS A PART OF THIS POLICY.

EMPLOYER

BARR & CLARK, INC
16531 BOLSA CHICA ST STE 205
HUNTINGTON BEACH CA 92649

SP

[P14,SP]

(REV.7-2014)

Attachment 7. USFWS IPaC Database Search

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

Orange County, California

Local office

Carlsbad Fish And Wildlife Office

(760) 431-9440
(760) 431-5901

2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

NOT FOR CONSULTATION

2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Coastal California Gnatcatcher *Polioptila californica californica* Wherever found There is **final** critical habitat for this species. The location of the critical habitat is not available. https://ecos.fws.gov/ecp/species/8178	Threatened

Insects

NAME	STATUS
Monarch Butterfly *Danaus plexippus* Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Flowering Plants

NAME	STATUS
Ventura Marsh Milk-vetch *Astragalus pycnostachyus var. lanosissimus* Wherever found There is **final** critical habitat for this species. The location of the critical habitat is not available. https://ecos.fws.gov/ecp/species/1160	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

NOT FOR CONSULTATION

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON

NOT FOR CONSULTATION

Allen's Hummingbird Selasphorus sasin — Breeds Feb 1 to Jul 15
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9637

Bald Eagle Haliaeetus leucocephalus — Breeds Jan 1 to Aug 31
This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1626

Belding's Savannah Sparrow Passerculus sandwichensis beldingi — Breeds Apr 1 to Aug 15
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/8

Black Skimmer Rynchops niger — Breeds May 20 to Sep 15
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/5234

Black Tern Chlidonias niger — Breeds May 15 to Aug 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3093

Bullock's Oriole Icterus bullockii — Breeds Mar 21 to Jul 25
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

California Thrasher Toxostoma redivivum — Breeds Jan 1 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Clark's Grebe Aechmophorus clarkii — Breeds Jun 1 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

NOT FOR CONSULTATION

Common Yellowthroat Geothlypis trichas sinuosa — Breeds May 20 to Jul 31
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/2084

Golden Eagle Aquila chrysaetos — Breeds Jan 1 to Aug 31
This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1680

Lawrence's Goldfinch Carduelis lawrencei — Breeds Mar 20 to Sep 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9464

Long-eared Owl asio otus — Breeds Mar 1 to Jul 15
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3631

Marbled Godwit Limosa fedoa — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9481

Nuttall's Woodpecker Picoides nuttallii — Breeds Apr 1 to Jul 20
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/9410

Oak Titmouse Baeolophus inornatus — Breeds Mar 15 to Jul 15
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9656

Olive-sided Flycatcher Contopus cooperi — Breeds May 20 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3914

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Short-billed Dowitcher Limnodromus griseus — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9480

Western Grebe aechmophorus occidentalis — Breeds Jun 1 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/6743

Willet Tringa semipalmata — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Wrentit Chamaea fasciata — Breeds Mar 15 to Aug 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

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Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum

probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

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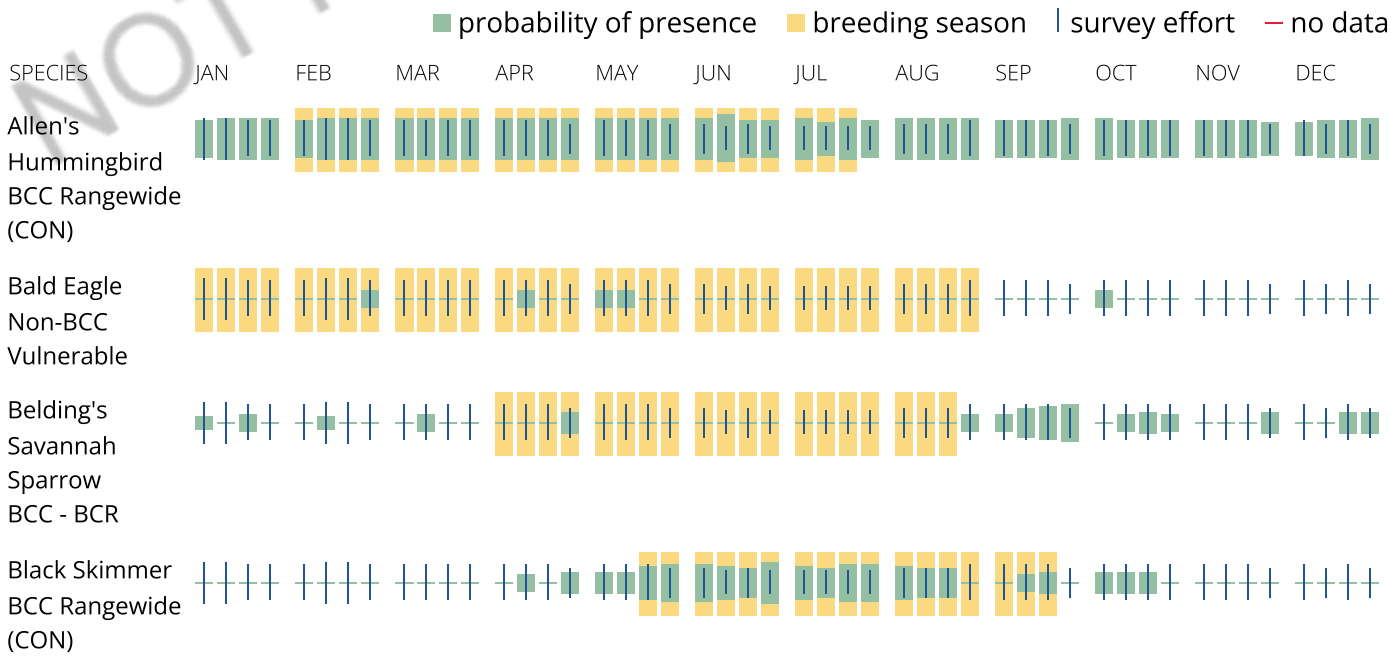

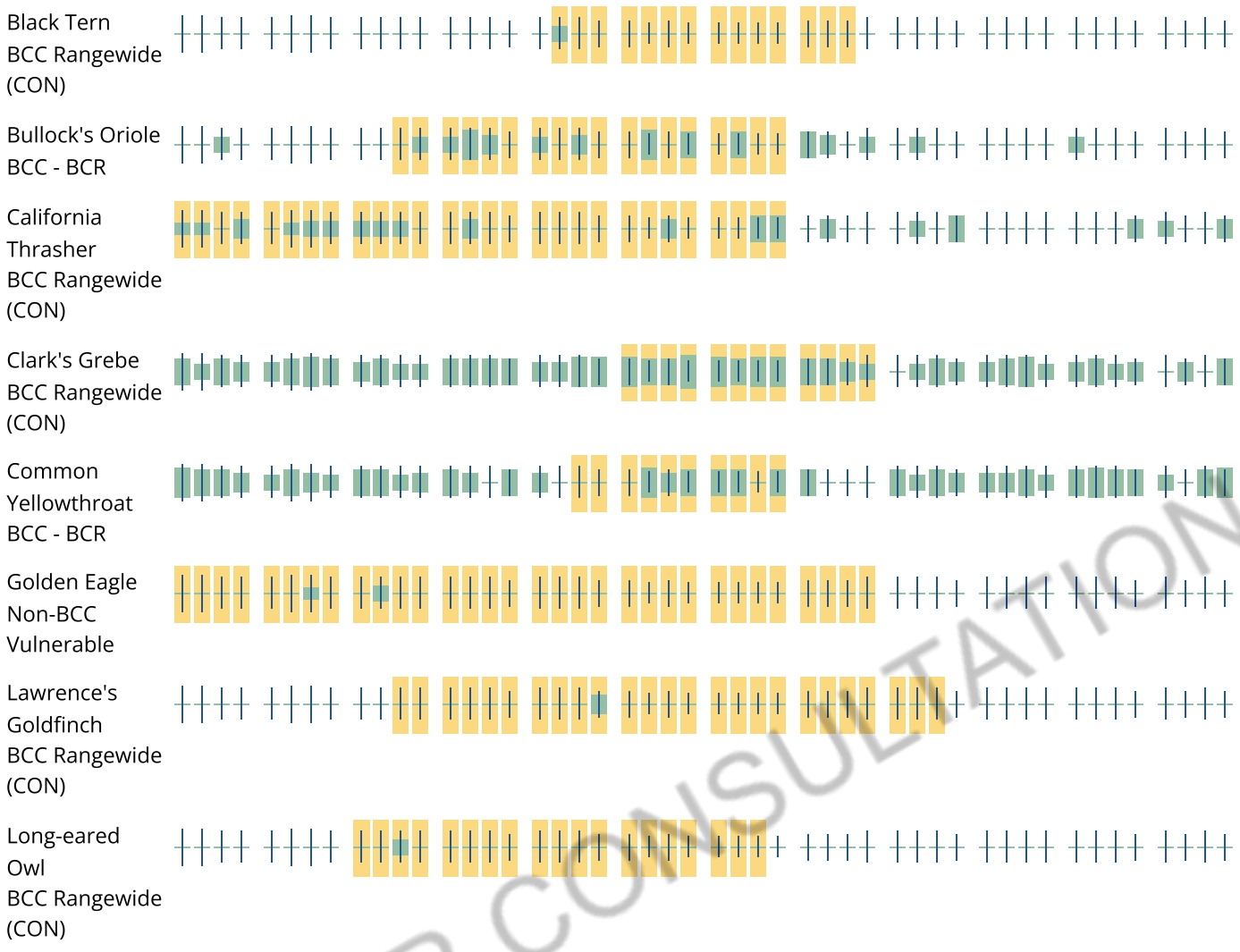

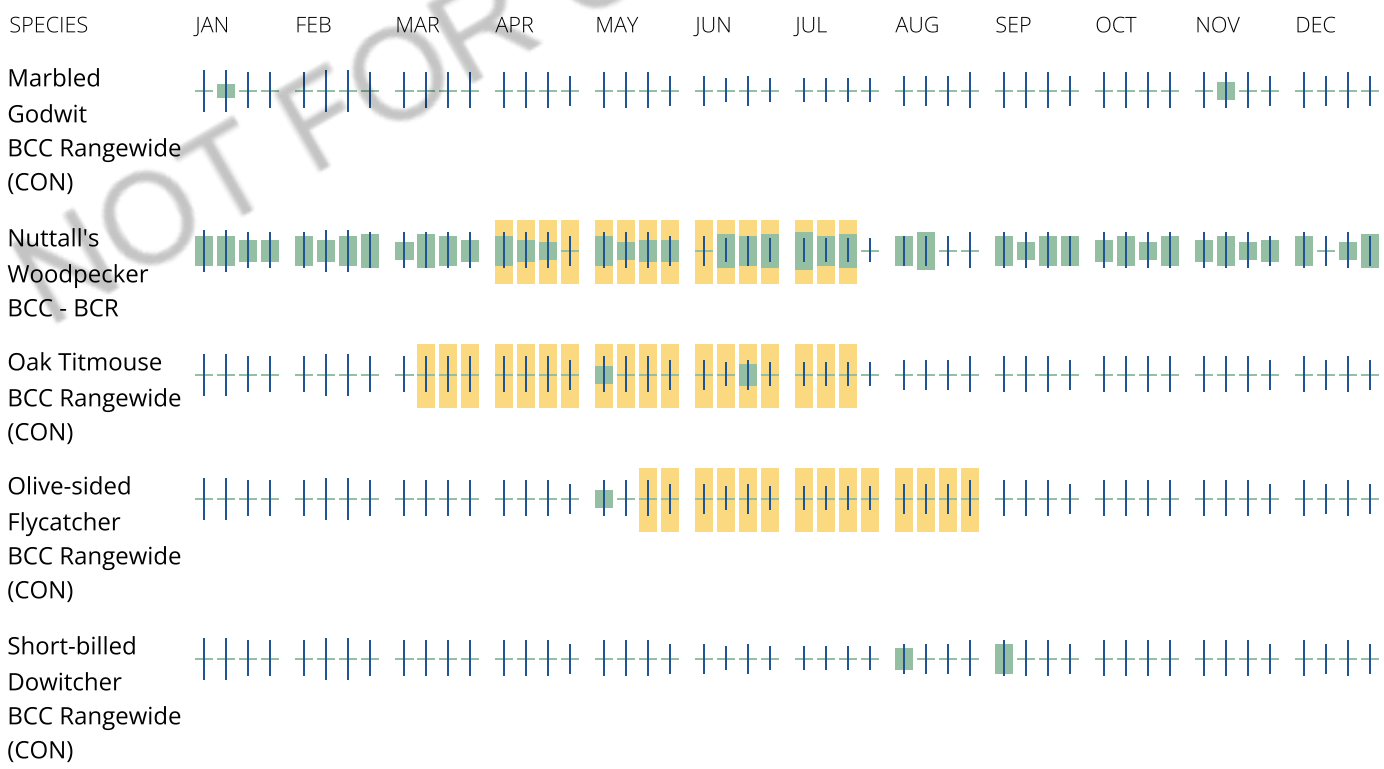

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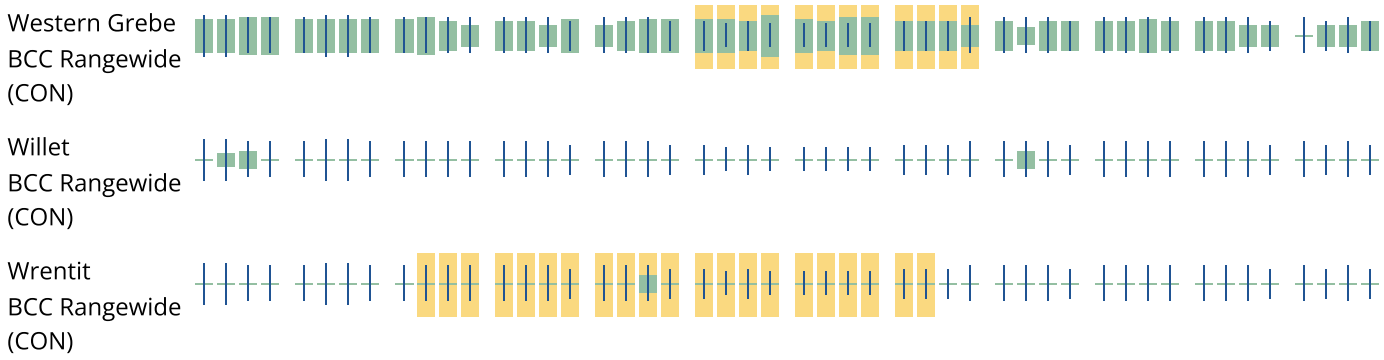

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

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To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory

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birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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Coastal Barrier Resources System

Projects within the John H. Chafee Coastal Barrier Resources System (CBRS) may be subject to the restrictions on federal expenditures and financial assistance and the consultation requirements of the Coastal Barrier Resources Act (CBRA) (16 U.S.C. 3501 et seq.). For more information, please contact the local Ecological Services Field Office or visit the CBRA Consultations website. The CBRA website provides tools such as a flow chart to help determine whether consultation is required and a template to facilitate the consultation process.

There are no known coastal barriers at this location.

Data limitations

The CBRS boundaries used in IPaC are representations of the controlling boundaries, which are depicted on the official CBRS maps. The boundaries depicted in this layer are not to be considered authoritative for in/out determinations close to a CBRS boundary (i.e., within the "CBRS Buffer Zone" that appears as a hatched area on either side of the boundary). For projects that are very close to a CBRS boundary but do not clearly intersect a unit, you may contact the Service for an official determination by following the instructions here: https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation

Data exclusions

CBRS units extend seaward out to either the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS data, therefore projects in the offshore areas of units (e.g., dredging, breakwaters, offshore wind energy or oil and gas projects) may be subject to CBRA even if they do not intersect the CBRS data. For additional information, please contact CBRA@fws.gov.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

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The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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Attachment 8. CalEPA Regulated Sites and Chemical Storage Sites

1038 Cypress Street, pla

SEARCH RESULTS (307)

Measure Tool

Select the line, circle, or polygon tool below and then click the map to measure your first point - double-click to complete the measurement.

LINE | CIRCLE | POLYGON

miles²

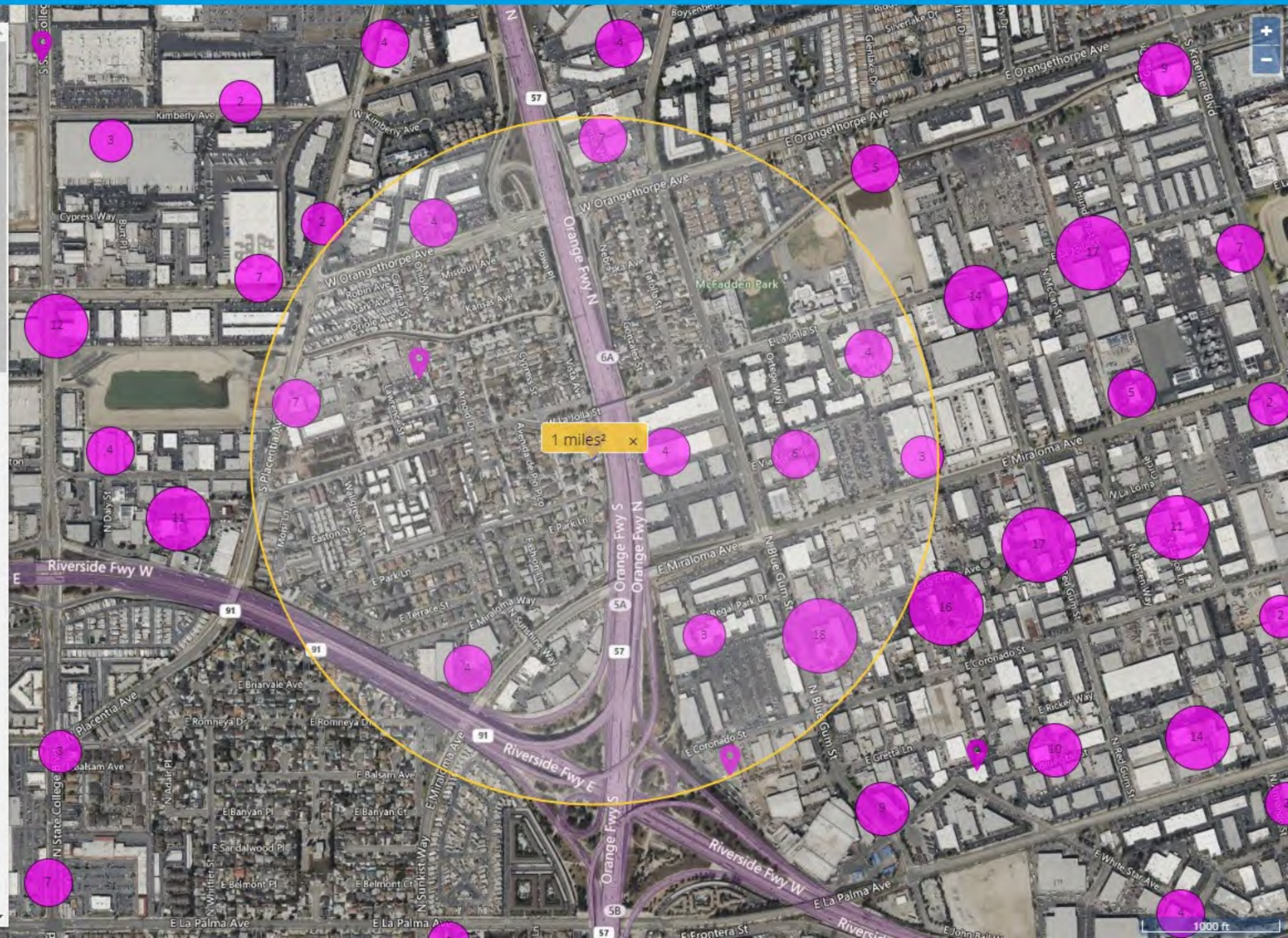
CLEAR MEASUREMENTS

Advanced Search Criteria

CRITERIA (0) | FILTERS (2)

Regulatory Programs 2

- [x] Aboveground Petroleum Storage 24
- [ ] Agriculture Discharge 0
- [ ] Animal Wastewater Discharge 0
- [x] Chemical Storage Facilities 307
- [ ] Cleanup Program Site 0
- [ ] Construction and Industrial Stormwater 0
- [ ] Construction Storm Water 0
- [ ] Corrective Action 0
- [ ] Department Of Defense 0
- [ ] Forestry & Silviculture 0
- [ ] Hazardous Chemical Management 5
- [ ] Hazardous Waste 0
- [ ] Hazardous Waste Generator 194
- [ ] Hazardous Waste Onsite Treatment 4



Site Name	Site Address	Chemicals Onsite	Max Daily Amount/Unit (CalEP	Hazardous Accoding to CFR § 51.201	ASD Calcuated Distance (feet)	Measured Distance from Project Site (feet)
Pacific Coast Water Systems, Inc.	1260 N SUNSHINE WAY ANAHEIM CA 92806	Sodium Hydroxide (Na(OH))	1200-2999 Gallons	No		
		Propane	0-11 Gallons	Yes	42.25	1,423.38
		Hydrochloric Acid	600-1199 Gallons	No		
Tuff Shed Inc.	1281 N SUNSHINE WAY ANAHEIM CA 92806	Latex Paint	120-599 Gallons	No		
		Cyclopropanedicarboxylic Acid (1,1-)	12-59 Gallons	No		
Mesa Roofing Corp.	2550 E MIRALOMA WAY 100 ANAHEIM CA 92806	Waste Oil	120-599 Gallons	No		
		Top Coat	120-599 Gallons	No		
		Petroleum Asphalt	Tons	Yes	245.06	1,526.88
		Cyclopropanedicarboxylic Acid (1,1-)	600-1199 Gallons	No		
Lynch Metals	2570 E MIRALOMA WAY ANAHEIM CA 92806	Waste Oil	12-59 Gallons	No		
		Propane	0-2599 Cubic Feet	Yes	952.11	1,380.72
		Machine Oils	60-119 Gallons	No		
		Aluminum	500-999 Pounds	No		
Metal-Fab Services Industries, Inc.	2500 E MIRALOMA WAY ANAHEIM CA 92806	Waste Coolant	120-599 Gallons	No		
		Valcool VP Tech 055B	12-59 Gallons	No		
		Propane	120-599 Gallons	Yes	223.4	1,823.68
		Oxygen, Liquified	2600-12999 Cubic Feet	No		
		Nitrogen	2600-12999 Cubic Feet	No		
		Helium	0-2599 Cubic Feet	No		
		Argon/ Carbon Dioxide Mixture	0-2599 Cubic Feet	No		
		Argon	2600-12999 Cubic Feet	No		
AIRGAS USA, LLC	900 S PLACENTIA AVE STE A PLACENTIA CA 92870	Propylene	500-999 Pounds	Yes	152.05	2,154.72
		Propane	1000-4999 Pounds	Yes	296.28	2,154.72
		Oxygen	2600-12999 Cubic Feet	No		
		Nitrogen	13000- 25999 Cubic Feet	No		
		Hydrogen	0-2599 Cubic Feet	Yes	952.11	2,154.72
		Helium/Argon/Carbon Dioxide Mix	0-2599 Cubic Feet	No		
		Helium	2600-12999 Cubic Feet	No		
		Carbon Dioxide	2600-12999 Cubic Feet	No		
		Carbon Dioxide	1000-4999 Pounds	No		
		Argon Compressed	2600-12999 Cubic Feet	No		
		Argon/Carbon Dioxide Mixture	2600-12999 Cubic Feet	No		
		Argon/Carbon Dioxide Mixture	0-2599 Cubic Feet	No		
		Acetylene	2600-12999 Cubic Feet	No		
		Argon/Helium Mix	0-2599 Cubic Feet	No		
Accurate Technology	1543 N PLACENTIA AVE ANAHEIM CA 92806	Waste Coolant	120-599 Gallons	No		
		Reclaimed Coolant	120-599 Gallons	No		
		Hydraulic Oil/ Lubricating Oil	120-599 Gallons	No		
		Cyclopropanedicarboxylic Acid (1,1-)	0-11 Gallons	No		

HEATECH	920 S PLACENTIA AV STE A PLACENTIA CA 92870	Propane	60-119 Gallons	Yes	113.94	1,920.23
		Oxygen Gas	0-2599 Cubic Feet	No		
		Argon Gas	0-2599 Cubic Feet	No		
		Argon Carbon Dioxide Gas Mixture	0-2599 Cubic Feet	No		
		Acetylene	0-2599 Cubic Feet	No		
FirstElement Fuel	313 W ORANGETHORPE AVE PLACENTIA CA 92870	Hydrogen	3000-5999 Gallons	No	583.37	2,058.62
		Hydrogen	26000- 129999 Cubic Feet	No	4,863.17	2,058.62
G&M Oil Co. #115	313 W ORANGETHORPE AVE PLACENTIA CA 92870	Waste 134 Aqueous Sol'n w/Less 10% Org	12-59 Gallons	No		
		Urea	6000-8999 Gallons	No		
		Unleaded Gasolines (All Grades)	12000-59999 Gallons	Yes	1,522.56	2,060.49
		Diesel #2	12000-59999 Gallons	Yes	1,522.56	2,060.49
		Carbon Dioxide	12-59 Gallons	No		
Win-Dor - Placentia	720 HUNDLEY WAY PLACENTIA CA 92870	Propane	60-119 Gallons	Yes	113.94	2,218.25
		Kleiberit 842.3 Primer	120-599 Gallons	No		
		Kleiberit 704.5 Adhesive	120-599 Gallons	No		
STOCKER INDUSTRIES	751 DUNN WY PLACENTIA CA 92870	X19 All Purpose Cleaner/Degreaser	12-59 Gallons	No		
		Wall Cleaner spot remover	12-59 Gallons	No		
		Vanwet Sles-A70%	12-59 Gallons	No		
		Urea	1000-4999 Pounds	No		
		TRIETHANOLAMINE 85% TECH	12-59 Gallons	no		
		TERGITOL 15-S-12 SURFACTANT	12-59 Gallons	No		
		TERGITOL 15-S-12 SURFACTANT	12-59 Gallons	No		
		SYLAFAT FA2	12-59 Gallons	No		
		Surgent Pink Hand Cleaner	60-119 Gallons	No		
		Superfloc HMW	1000-4999 Pounds	No		
		Stowet DS	600-1199 Gallons	No		
		Stoquest 100	600-1199 Gallons	No		
		Stolev ADL	600-1199 Gallons	No		
		Stoclean 515	120-599 Gallons	No		
		Stocker Wax Stripper	12-59 Gallons	No		
		STEPOSOL MET 10U	12-59 Gallons	No		
		STEPANOL WA EXTRA	12-59 Gallons	No		
		STARSIL AC 1083	12-59 Gallons	No		
		STAINBLOCKER PW	120-599 Gallons	No		
		SOFTNER NI	1200-2999 Gallons	No		
		SODIUM XYLENE SULFONATE 40%	12-59 Gallons	No		
		SODIUM XYLENE SULFONATE 40%	12-59 Gallons	No		
		SODIUM GLUCONATE	100-499 Pounds	No		
		SODIUM BISULFATE POWDER	100-499 Pounds	No		
		SODA ASH	100-499 Pounds	No		
		SILCOSOFT-SX18	3000-5999 Gallons	No		
		SETAMOL K	1000-4999 Pounds	No		
		REACTOTEX 880	1200-2999 Gallons	No		

		PROPYLENE GLYCOL INDUSTRIAL	120-599 Gallons	No		
		PROPYLENE GLYCOL	12-59 Gallons	No		
		PRINT ADHESIVE 520EX	120-599 Gallons	No		
		PRINT ADHESIVE 520EX	120-599 Gallons	No		
		POLYVINYL ALCOHOL	1000-4999 Pounds	No		
		Polymer	12-59 Gallons	No		
		POLYCLEAN 25 MOD	120-599 Gallons	No		
		Polycarboxylate sodium salt	12-59 Gallons	No		
		POCKETWHITE CM45	120-599 Gallons	No		
		OMC CARRIER	120-599 Gallons	No		
		OM 40	120-599 Gallons	No		
		NTA	10000-24999 Pounds	No		
		NORFOX SXS -40	12-59 Gallons	No		
		NORFOX NPR 600	12-59 Gallons	No		
		NORFOX KO	12-59 Gallons	No		
		NORFOX 91-6	12-59 Gallons	No		
		NORFOX 1-7	12-59 Gallons	No		
		NORFOX 1-3	12-59 Gallons	No		
		Monoethanolamine 85%	12-59 Gallons	No		
		MONOETHANOLAMINE 85	12-59 Gallons	No		
		MITANE	12-59 Gallons	No		
		MINERAL SPIRITS ODERLESS	12-59 Gallons	No		
		MAGNESIUM CHLORIDE FLAKES	100-499 Pounds	No		
		LEOMIN SE1 OIL LIQ	12-59 Gallons	No		
		LEMON DEGREASER	12-59 Gallons	No		
		LAURAMINE OXIDE	12-59 Gallons	No		
		LARGE WINDOW CLEANER CONCENTRATE	12-59 Gallons	No		
		KNITTING OIL	1200-2999 Gallons	No		
		KIERALON NF	120-599 Gallons	No		
		KATHON X1	12-59 Gallons	No		
		JANTEX BINDER	12-59 Gallons	No		
		ISOPROPANOL	60-119 Gallons	No		
		IPA	60-119 Gallons	No		
		IMACOL ACA LIQ C	120-599 Gallons	No		
		HYTRANS 61	12-59 Gallons	No		
		HYDROPERM T LIQ	12-59 Gallons	No		
		HYDROPERM RPU NEW LIQ C	60-119 Gallons	No		
		HYDROPERM 3702	120-599 Gallons	No		
		HYDRAULIC 32	12-59 Gallons	No		
		GREEN HARD SURFACE CLEANER	12-59 Gallons	No		
		Glycol Ether DB	12-59 Gallons	No		
		GLYCOL ETHER DB	12-59 Gallons	No		
		GLYCERINE SOLUTION	12-59 Gallons	No		
		FLOOR WAX REMOVER	12-59 Gallons	No		
		FLOOR CLEANER SOLVENT FREE	12-59 Gallons	No		
		Fiberlube LSA	12-59 Gallons	No		
		FIBERLUBE	1200-2999 Gallons	No		
		EGANAL DFT US LIQ	12-59 Gallons	No		

		ECOSURF EH-6 SUFACTANT	120-599 Gallons	No		
		ECOSURF EH-3 SURFACTANT	120-599 Gallons	No		
		D-LIMONENE	12-59 Gallons	No		
		DISSOLVINE A-92	120-599 Gallons	No		
		DISPERSER XP	120-599 Gallons	No		
		DIETHYLENE GLYCOL MONOBUYL ETHER	12-59 Gallons	No		
		CLEAR CARPET SPOT REMOVER	12-59 Gallons	No		
		CITRIC ACID	1000-4999 Pounds	No		
		CAUSTIC SODA 30-60%	60-119 Gallons	No		
		Castor Oil-Sulfonated 70%	12-59 Gallons	No		
		CASTOR OIL	12-59 Gallons	No		
		CARBOWAX POLYETHYLENE GLYCOL	120-599 Gallons	No		
		CALSOFT L-40	12-59 Gallons	No		
		CALSOFT L-40	1000-4999 Pounds	No		
		CALFOAM ES-603	60-119 Gallons	No		
		Calfax DB 45	12-59 Gallons	No		
		CALBLEND ECO-1	12-59 Gallons	No		
		CALBLEND DF	12-59 Gallons	No		
		Calbend ECO-1	12-59 Gallons	No		
		BIO-SOFT S-101	120-599 Gallons	No		
		BARQUAT 50	12-59 Gallons	No		
		AUGEO CLEAN ULTI	12-59 Gallons	No		
		ANTIMUSSOL C1 LIQ	12-59 Gallons	No		
		ANTIFOAM 825	1200-2999 Gallons	No		
		AMINO FUNCTIONAL POLYDIMETHYLSILOXANE	120-599 Gallons	No		
		ALKASOL 100	120-599 Gallons	No		
		AFLIN 1060	12-59 Gallons	No		
		AFE-0050 ANTIFOAM EMULSION	12-59 Gallons	No		
		acetic acid 50-80%	12-59 Gallons	Yes	85.06	2,151.51
		ACCUSOL 830 POLYMER	12-59 Gallons	No		
		2-ethyl-1-hexanol	12-59 Gallons	No		
Summit Plastering, Inc. DBA Trencore Plastering Inc.	2821 E LA CRESTA AVE ANAHEIM CA 92806	Waste Oil	120-599 Gallons	Yes	223.4	1,917.60
		Waste Antifreeze	12-59 Gallons	No		
		Red Dye Diesel	12-59 Gallons	No		
		Propane	12-59 Gallons	Yes	85.06	1,917.60
		Oxygen	0-2599 Cubic Feet	No		
A-1 FENCE COMPANY	2831 E LA CRESTA AVE ANAHEIM CA 92806	WASTE OIL AND WATER	12-59 Gallons	Yes	85.06	2,038.18
		PROPANE	60-119 Gallons	Yes	113.94	2,038.18
		OXYGEN	2600-12999 Cubic Feet	No		
		Cement, portland, chemicals	1000-4999 Pounds	No		
		ARGON / CO2	2600-12999 Cubic Feet	No		
		Acetylene	0-2599 Cubic Feet	No		

CLEANING TECHNOLOGY INDUSTRIES, INC	2720 E MIRALOMA AVE ANAHEIM CA 92806	Q-SOL 300	60-119 Gallons	No		
		OXYGEN	0-2599 Cubic Feet	No		
		Isopropyl Alcohol	12-59 Gallons	Yes	85.06	1,303.42
		ACETYLENE	0-2599 Cubic Feet	No		
		Acetone	12-59 Gallons	Yes	85.06	1,303.42
FENCEWORKS INC	2861 E LA CRESTA AVE ANAHEIM CA 92806	Titanium oxide (TiO2)	1000-4999 Pounds	No		
		Silicon Dioxide	10000-24999 Pounds	No		
		Cyclopropanedicarboxylic Acid (1,1-)	120-599 Gallons	No		
		Cement, portland, chemicals	50000-74999 Pounds	No		
		Cement, alumina, chemicals	10000-24999 Pounds	No		
		Carbonic acid, lithium salt (1:2)	1000-4999 Pounds	No		
		Ashes	1000-4999 Pounds	No		
ABC SHEET METAL INC	2871 E LA CRESTA AVE ANAHEIM CA 92806	WASTE OILY WATER/COOLANT	12-59 Gallons	Yes	85.06	2,501.70
		TRI-MIX (HELIUM, ARGON, CO2 MIX)	0-2599 Cubic Feet	No		
		SIMPLE GREEN	12-59 Gallons	No		
		PROPANE	60-119 Gallons	Yes	113.94	2,501.70
		OXYGEN	0-2599 Cubic Feet	No		
		NITROGEN	26000-129999 Cubic Feet	No		
		Hydraulic oil	120-599 Gallons	No		
		HELIUM/ARGON MIXTURE	0-2599 Cubic Feet	No		
		CUT-MAX 570 COOLANT	12-59 Gallons	No		
		ARGON/CARBON DIOXIDE MIXTURE	0-2599 Cubic Feet	No		
		ARGON	0-2599 Cubic Feet	No		
AJ FASTENERS INC	2800 E MIRALOMA AVE ANAHEIM CA 92806	water soluble oil	120-599 Gallons	No		
		WASTE OIL	120-599 Gallons	Yes	223.4	1,683.75
		Petroleum Distillate Aliphatic	12-59 Gallons	Yes	85.06	1,683.75
MIKE'S VW & FOREIGN CAR SPECIALTIES INC	2818 E MIRALOMA AVE ANAHEIM CA 92806	USED ANTIFREEZE	12-59 Gallons	No		
		Non-rcra Hazardous Waste Liquid (waste Oil)	120-599 Gallons	No		
		Motor Oil	120-599 Gallons	No		
Southwest Material Handling, Inc	1311 N BLUE GUM ST ANAHEIM CA 92806	WASTE LUBRICATING OIL	120-599 Gallons	No		
		WASTE ANTIFREEZE	120-599 Gallons	No		
		PROPANE	120-599 Gallons	Yes	223.4	1,064.97
		OXYGEN	0-2599 Cubic Feet	No		
		Lead Acid Batteries	25000-49999 Pounds	No		
		HYDRAULIC OIL	60-119 Gallons	No		
		AUTOMATIC TRANSMISSION FLUID	60-119 Gallons	No		
		ANTIFREEZE/COOLANT	60-119 Gallons	No		
		10W30 ENGINE OIL	120-599 Gallons	No		

Premier Collision Center	2880 E MIRALOMA AVE ANAHEIM CA 92806	Oxygen	0-2599 Cubic Feet	No		
		Lubricating oils, used	12-59 Gallons	No		
		antifreeze	12-59 Gallons	No		
FRANK'S AUTO SERVICE INC	2880 E MIRALOMA AVE SUITE F ANAHEIM CA 92806	WASTE COOLANT	12-59 Gallons	No		
		TRANSMISSION FLUID	12-59 Gallons	No		
		Non-rcra Hazardous Waste Liquid (waste Oil)	120-599 Gallons	No		
		Motor Oil	120-599 Gallons	No		
B & M LAWN AND GARDEN INC	2801 E MIRALOMA AVE ANAHEIM CA 92806	WASTE GASOLINE	12-59 Gallons	Yes	85.06	1,413.70
		PROPANE	12-59 Gallons	Yes	85.06	1,413.70
		Non-rcra Hazardous Waste Liquid (waste Oil)	120-599 Gallons	No		
		NEW OIL	120-599 Gallons	Yes	223.4	1,413.70
BMSCAT of Southern California	1321 N BLUE GUM ST ANAHEIM CA 92806	latex paint	60-119 Gallons	No		
RPM PLASTIC MOLDING INC	2821 E MIRALOMA AVE ANAHEIM CA 92806	Non-rcra Hazardous Waste Liquid (waste Oil)	60-119 Gallons	No		
		HYDRAULIC OIL	12-59 Gallons	No		
		ACETAL NYLON POLYCARBONATE ABS	10000-24999 Pounds	No		
Becon LA	1331 N BLUE GUM ST ANAHEIM CA 92806	Tetra potassium phosphate 5 - 10%	12-59 Gallons	No		
		Mineral oil (pertoleum hydrocarbon) chlorinated paraffin	12-59 Gallons	No		
		Distillates (petroleum), solvent-refined light naphthenic and Mineral oil (petroleum hydrocarbon) MIX	12-59 Gallons	Yes	85.06	499.3
		Distillates (petroleum), solvent-refined light naphthenic and Mineral oil (petroleum hydrocarbon) MIX	1200-2999 Gallons	Yes	437.03	499.3
		Distillates (petroleum), solvent-refined light naphthenic	12-59 Gallons	Yes	85.06	499.3
		Distillates (petroleum), solvent-refined hydro treated heavy napthenic	12-59 Gallons	Yes	85.06	499.3
		Distillates (petroleum), solvent-refined hydro treated heavy napthenic	60-119 Gallons	Yes	113.94	499.3
		Alphiatic Hydrocarbon	12-59 Gallons	No		
		Alphiatic Hydrocarbon	12-59 Gallons	No		
MARTINS GARAGE	1019 S MELROSE ST STE D PLACENTIA CA 92870	Lubricating oils, used	60-119 Gallons	No		
Total Warehouse	2895 E MIRALOMA AVE ANAHEIM CA 92806	Waste Oil Filters	1000-4999 Pounds	No		
		Waste Oil	120-599 Gallons	Yes	223.4	2,336.74
		Waste Ethylene Glycol	12-59 Gallons	No		
		Sulfuric Acid	1000-4999 Pounds	No		
		Propane	0-2599 Cubic Feet	Yes	952.11	2,336.74
		Oxygen	0-2599 Cubic Feet	No		

R B DWYER CO INC	2891 E MIRALOMA AVE ANAHEIM CA 92806	HP Imaging Oil (Used)	120-599 Gallons	No		
HANDY SERVICE	1043 S MELROSE ST STE A PLACENTIA CA 92870	Propane	0-11 Gallons	Yes	42.25	596.11
		Olympus 2000 Hydraulic oil	12-59 Gallons	No		
		Bios Soft S 100	12-59 Gallons	No		
T&J SAUSAGE KITCHEN	2831 E MIRALOMA AVE ANAHEIM CA 92806	Waste Oil	12-59 Gallons	Yes	85.06	1,759.30
		SB-CHLORINATE	120-599 Gallons	No		
		Nitrogen, Liquid	120-599 Gallons	No		
		Mineral Oil, Compressor Oil	60-119 Gallons	No		
		IN-FACT ALKALINE CLEANER	60-119 Gallons	No		
		DYNA FOAM 500 XT	60-119 Gallons	No		
		DOMOLISH ST-1000/ ALKALINE CLEANER	12-59 Gallons	No		
		Cyclopropanedicarboxylic Acid (1,1-)	60-119 Gallons	No		
		Carbon Dioxide/ Carbon monoxide/ nitrogen	2600-12999 Cubic Feet	No		
		CARBON DIOXIDE	5000-9999 Pounds	No		
		Canola oil	120-599 Gallons	No		
SPORTS TURF IRRIGATION	1019 S MELROSE AVE STE A PLACENTIA CA 92870	JELMAR	120-599 Gallons	No		
		Arma Kleen	120-599 Gallons	No		
Matheson Tri-Gas, Inc.	1200 N BLUE GUM ST ANAHEIM CA 92806	Propylene	120-599 Gallons	Yes	223.4	2,362.05
		Oxygen	13000-25999 Cubic Feet	No		
		Nitrogen	13000-25999 Cubic Feet	No		
		LIQUEFIED PETROLEUM GAS (PROPANE)	1200-2999 Gallons	Yes	437.03	2,362.05
		Hydrogen	2600-12999 Cubic Feet	Yes	1,861.81	2,362.05
		Helium, Nitrogen	0-2599 Cubic Feet	No		
		Helium	2600-12999 Cubic Feet	No		
		Cir-Q-Late	12-59 Gallons	No		
		Carbon Dioxide	1000-4999 Pounds	No		
		Argon, Helium	0-2599 Cubic Feet	No		
		Argon	13000-25999 Cubic Feet	No		
		Acetylene	2600-12999 Cubic Feet	No		
		5% Hydrogen, 95% Nitrogen	0-2599 Cubic Feet	No		
		5% Carbon Dioxide, 40% Helium, 55% Nitrogen	0-2599 Cubic Feet	No		
		35% Hydrogen, 65% Argon	0-2599 Cubic Feet	Yes	952.11	2,362.05
		35% Helium, 65% Argon	0-2599 Cubic Feet	No		
		3% Carbon Dioxide, 97% Argon	0-2599 Cubic Feet	No		
		25% Carbon Dioxide, 75% Argon	2600-12999 Cubic Feet	No		
		25% Argon, 75% Helium	0-2599 Cubic Feet	No		
		25% Argon, 75% Carbon Dioxide	2600-12999 Cubic Feet	No		
		2.5% Carbon Dioxide, 7.5% Argon, 90% Helium	2600-12999 Cubic Feet	No		
		2% Carbon Dioxide, 98% Argon	0-2599 Cubic Feet	No		
		2% Carbon Dioxide, 8% Helium, 90% Argon	0-2599 Cubic Feet	No		
		10% Methane, 90% Argon	0-2599 Cubic Feet	No		
		10% Carbon Dioxide, 90% Argon	0-2599 Cubic Feet	No		

		1.7% Carbon Dioxide, 23.4% Nitrogen, 74.9% Helium	0-2599 Cubic Feet	No		
		1% Oxygen, 99% Argon	0-2599 Cubic Feet	No		
Winn PAlletMaster, Inc.	1270 N BLUE GUM ST ANAHEIM CA 92806	Propene	0-2599 Cubic Feet	Yes	952.11	1,758.87
		Propane	12-59 Gallons	Yes	85.06	1,758.87
		Oxygen	0-2599 Cubic Feet	No		
		Argon mixed with Carbon Dioxice	0-2599 Cubic Feet	No		
		2-Propanone	60-119 Gallons	No		
HONEYCUTT TEAR OFF	2815 E CORONADO ST ANAHEIM CA 92806	Oxygen	0-2599 Cubic Feet	No		
		Non-rcra Hazardous Waste Liquid (waste Oil)	120-599 Gallons	No		
		ANTIFREEZE, RECYCLED	12-59 Gallons	No		
		Acetylene	0-2599 Cubic Feet	No		
COMPAX INC	1210 N BLUE GUM ST ANAHEIM CA 92806	WASTE DEBURRING SLUDGE	12-59 Gallons	No		
		STAINLESS STEEL POWDER	1000-4999 Pounds	No		
		RUST PREVENTATIVE	120-599 Gallons	No		
		Non-rcra Hazardous Waste Liquid (waste Oil)	12-59 Gallons	No		
		NITROGEN	3000-5999 Gallons	No		
		IRON POWDER	5000-9999 Pounds	No		
		HYDRAULIC OIL	120-599 Gallons	No		
		GEAR OIL	120-599 Gallons	No		
		Cyclopropanedicarboxylic Acid (1,1-)	12-59 Gallons	No		
		COPPER POWDER	1000-4999 Pounds	No		
		BRONZE POWDER	1000-4999 Pounds	No		
		BRASS POWDER	1000-4999 Pounds	No		
		AMMONIA	1000-4999 Pounds	No		
GENERAL AIR COMPRESSORS INC	1230 N BLUE GUM ST ANAHEIM CA 92806	Propane	0-2599 Cubic Feet	Yes	952.11	2,181.84
		Non-rcra Hazardous Waste Liquid (waste Oil)	120-599 Gallons	No		
		Mineral Oil, Compressor Oil	120-599 Gallons	No		
Verizon Wireless: Sunkist	1235 N BLUE GUM ST ANAHEIM CA 92806	Lead Acid Batteries	12-59 Gallons	No		
		Diesel Fuel No. 2	12-59 Gallons	Yes	85.06	1,900.27
REPUBLIC WASTE SERVICES OF SOUTHERN CA LLC - O & M	1235 N BLUE GUM ST ANAHEIM CA 92806	USED OIL AND FUEL FILTERS	1000-4999 Pounds	No		
		used lubricating oils	600-1199 Gallons	No		
		used ethylene glycol	120-599 Gallons	No		
		Synthetic base stock	120-599 Gallons	No		
		sulfuric acid & lead	12-59 Gallons	No		
		Petroleum Distillates/highly refined base oil	600-1199 Gallons	Yes	298.29	1,900.27
		O2	2600-12999 Cubic Feet	No		
		Nitrogen, Oxygen, hydrogen	2600-12999 Cubic Feet	No		
		Methane CH4	13000-25999 Cubic Feet	No		
		Low Sulfur Diesel Fuel	12000-59999 Gallons	No		
		liquid methane	12000-59999 Gallons	No		

		Liquefied Petroleum Gas (lpg)	60-119 Gallons	Yes	113.94	1,900.27
		highly refined base oil	1200-2999 Gallons	No		
		highly refined base oil	1000-4999 Pounds	No		
		highly refined base oil	600-1199 Gallons	No		
		Granular clay absorbent with oily hydrocarbons	1000-4999 Pounds	No		
		Ethylene glycol and water	600-1199 Gallons	No		
		Ethoxylated Alcohols	120-599 Gallons	No		
		ARGON/CO2 MIX	0-2599 Cubic Feet	No		
		Aqueous solution with urea	120-599 Gallons	No		
		Aqueous Enamel Coatings	120-599 Gallons	No		
		Alcohols, C9-11, ethoxylated	12-59 Gallons	No		
		ACETYLENE	2600-12999 Cubic Feet	No		
		1,1,1,2-Tetrafluoroethane	0-2599 Cubic Feet	No		
DRETLOH AIRCRAFT SUPPLY INC	2830 E LA CRESTA AVE ANAHEIM CA 92806	Propane	0-2599 Cubic Feet	Yes	952.11	2,361.81
		Isopropyl Alcohol	12-59 Gallons	Yes	85.06	2,361.81
		CC-1050 DICHLOROMETHANE	60-119 Gallons	No		
		CC-1025A ADHESIVE	60-119 Gallons	No		
PREFERRED PAVING COMPANY INC	2850 E LA CRESTA AVE ANAHEIM CA 92806	WASTE ANTIFREEZE	12-59 Gallons	No		
		TRAFFIC PAINT	600-1199 Gallons	No		
		SS-1H	600-1199 Gallons	No		
		PROPANE	12-59 Gallons	Yes	85.06	2,361.81
		OXYGEN	0-2599 Cubic Feet	No		
		OVERKOTE	6000-8999 Gallons	No		
		Non-rcra Hazardous Waste Liquid (waste Oil)	120-599 Gallons	No		
		Motor Oil	120-599 Gallons	No		
		Mineral Spirits (petroleum Spirits)	12-59 Gallons	Yes	85.06	2,361.81
		Deery Hot Applied Sealant (Petroleum)	1000-4999 Pounds	Yes	256.3	2,361.81
ALLIED INDUSTRIAL SYSTEMS INC	1240 N BLUE GUM ST ANAHEIM CA 92806	PROPANE	0-2599 Cubic Feet	Yes	952.11	2,078.85
		OXYGEN	0-2599 Cubic Feet	No		
		ARGON/CO2 MIX	0-2599 Cubic Feet	No		
		ACETYLENE	0-2599 Cubic Feet	No		
Republic Waste Services of Southern CA LLC DBA Anaheim Truck Depot	1231 N BLUE GUM ST ANAHEIM CA 92806	Unleaded reformulated (oxygenated) Gasoline	12000-59999 Gallons	No		
		Methane	26000-129999 Cubic Feet	No		
		Low Sulfur Diesel	12000-59999 Gallons	Yes	1522.56	2,244.40
Aloha Fab & Dockworks, Inc.	1193 N BLUE GUM ST ANAHEIM CA 92806	Propane	12-59 Gallons	Yes	85.06	2,442.00
		Oxygen	0-2599 Cubic Feet	No		
		Argon, mixt. with carbon dioxide	0-2599 Cubic Feet	No		
		Acetylene	0-2599 Cubic Feet	No		
BC WIRE ROPE & RIGGING	2720 E REGAL PARK DR ANAHEIM CA 92806	Propane	120-599 Gallons	Yes	223.4	1,407.66
		OXYGEN	0-2599 Cubic Feet	No		
		HYDRAULIC OIL	120-599 Gallons	No		

		DYNAGUARD BLUE (GREASE)	1000-4999 Pounds	No		
		ACETYLENE	0-2599 Cubic Feet	No		
Bin Shop	2727 E CORONADO ST ANAHEIM CA 92806	O2	0-2599 Cubic Feet	No		
		Nitrogen, Oxygen, hydrogen	2600-12999 Cubic Feet	No		
		Liquefied Petroleum Gas (lpg)	120-599 Gallons	Yes	223.4	1,955.11
		Aqueous Enamel Coatings	120-599 Gallons	No		
		Aqueous Cleaner/Degreaser	60-119 Gallons	No		
		Aqueous Cleaner/Degreaser	120-599 Gallons	No		
		ACETYLENE	0-2599 Cubic Feet	No		
the countertop factory	2740 E CORONADO ST ANAHEIM CA 92806	Propane	12-59 Gallons	Yes	85.06	2,353.05
		Helmibond 890	120-599 Gallons	No		
D&M Auto Sales	625 W ORANGETHORPE AVE PLACENTIA CA 92870-6804	Used Motor Oil	120-599 Gallons	Yes	223.4	1,962.43
		Ethylene Glycol	12-59 Gallons	No		
Linde Gas & Equipment Inc.	617 W ORANGETHORPE AVE PLACENTIA CA 92870	Sawing Fluid	120-599 Gallons	No		
		Oxygen	2600-12999 Cubic Feet	No		
		Nitrogen, Liquid	60-119 Gallons	No		
		Nitrogen	2600-12999 Cubic Feet	No		
		Helium	0-2599 Cubic Feet	No		
		Carbon Dioxide, Dry Ice	1000-4999 Pounds	No		
		Carbon Dioxide	2600-12999 Cubic Feet	No		
		Argon, mixt. with carbon dioxide	0-2599 Cubic Feet	No		
		Argon, mixt. with carbon dioxide	2600-12999 Cubic Feet	No		
		Argon, mixt. with carbon dioxide	2600-12999 Cubic Feet	No		
		Argon Compressed	2600-12999 Cubic Feet	No		
		Acetylene	2600-12999 Cubic Feet	No		
JACK IN THE BOX #3203	797 W ORANGETHORPE AVE PLACENTIA CA 92870	Carbon Dioxide	12-59 Gallons	No		
7-ELEVEN INC. # 37966	818 W ORANGETHORPE AVE PLACENTIA CA 92870	GASOLINE	12000-59999 Gallons	Yes	1,522.56	2,185.05
		DIESEL	12000-59999 Gallons	No		
		CARBON DIOXIDE	12-59 Gallons	No		
PLACENTIA AUTO REPAIR	1631 N PLACENTIA AVE F ANAHEIM CA 92806	Waste Oil	120-599 Gallons	Yes	223.4	2,608.57
		Waste Antifreeze	12-59 Gallons	No		
		Conventional Motor Oil	120-599 Gallons	Yes	223.4	2,608.57
U-HAUL REPAIR SHOP PLACENTIA RERS	862 S PLACENTIA AVE PLACENTIA CA 92870	Stoddard Solvent	60-119 Gallons	No		
		Propane	60-119 Gallons	Yes	113.94	1,882.46
		Petroleum Hydrocarbon	120-599 Gallons	Yes	223.4	1,882.46
		Petroleum Hydrocarbon	120-599 Gallons	Yes	223.4	1,882.46
		Petroleum Hydrocarbon	120-599 Gallons	Yes	223.4	1,882.46
		Petroleum Hydrocarbon	600-1199 Gallons	Yes	298.29	1,882.46
		Petroleum Hydrocarbon	60-119 Gallons	Yes	113.94	1,882.46

		Oxygen	0-2599 Cubic Feet	No		
		Lubricating Oils, Used	120-599 Gallons	No		
		Liquid Surfactant, 2-Butoxyethanol, Isopropanol	120-599 Gallons	No		
		Liquid Surfactant	60-119 Gallons	No		
		Glycol Ethers (Used)	12-59 Gallons	No		
		Glycol Ethers	60-119 Gallons	No		
		Fatty acids, coco, sodium salts	120-599 Gallons	No		
		Ethylene Glycol	120-599 Gallons	No		
		Ethylene Glycol	120-599 Gallons	No		
		Drained & Crushed Used Oil & Fuel Filters	500-999 Pounds	No		
		Acetylene	0-2599 Cubic Feet	No		
		Acetone	60-119 Gallons	Yes	113.94	1,882.46
		1,1,1,2-Tetrafluoroethane	12-59 Gallons	No		
U-HAUL OF PLACENTIA	860 S PLACENTIA AVE PLACENTIA CA 92870	Propane	120-599 Gallons	Yes	223.4	2,082.25
		Oxygen	0-2599 Cubic Feet	No		
City Service Contracting Inc	920 LAWRENCE ST PLACENTIA CA 92870	Propane	60-119 Gallons	Yes	113.94	1,464.57
		Motor Oil	60-119 Gallons	No		
		Lubricating oils, used	12-59 Gallons	No		
		Diesel Fuel No. 2	120-599 Gallons	Yes	223.4	1,464.57
		Asphalt Based Sealcoat	12000-59999 Gallons	No		
BEARTECH MANUFACTURING	910 S PLACENTIA AVE STE A PLACENTIA CA 92870	WASTE CUTTING FLUID	12-59 Gallons	No		
		pale oil	12-59 Gallons	No		
		CIMCOOL	12-59 Gallons	No		
MSL Electric, Inc.	2918 E LA JOLLA ST ANAHEIM CA 92806	SolvSource 80	12-59 Gallons	No		
		Petroleum Asphalt	5000-9999 Pounds	Yes	479.14	2,572.08
		Oxygen	0-2599 Cubic Feet	No		
		Motor Oil	120-599 Gallons	No		
		Cement, portland, chemicals	5000-9999 Pounds	no		
		Acetylene	0-2599 Cubic Feet	No		
BASSANI MANUFACTURING	2900 E LA JOLLA ST ANAHEIM CA 92806	SMARTFOAM PART B (250GAL X 2)	600-1199 Gallons	No		
		SMARTFOAM PART A (250GAL X 2)	600-1199 Gallons	No		
		Propane	12-59 Gallons	Yes	85.06	2,497.55
		POTASSIUM HYDROXIDE	12-59 Gallons	No		
		Non-rcra Hazardous Waste Liquid (waste Oil)	60-119 Gallons	No		
		MIXTURES OF ARGON, CARBON DIOXIDE, AND OXYGEN OR NITROGEN	0-2599 Cubic Feet	No		
		Isopropyl Alcohol	12-59 Gallons	Yes	85.06	2,497.55
		Distillates (petroleum), solvent-refined light paraffinic	12-59 Gallons	Yes	85.06	2,497.55
		ARGON & CO2	2600-12999 Cubic Feet	No		
		ARGON	0-2599 Cubic Feet	No		
		AR, HE, & CO2	0-2599 Cubic Feet	No		
		AQUEOUS SOLVENT (80GAL X 1, 30GAL X 1)	60-119 Gallons	No		

MAYER LITHO	1040 SEGOVIA CIR PLACENTIA CA 92870	Printing ink	120-599 Gallons	No		
		Ferric Chloride, Anhydrous	12-59 Gallons	No		
		Ethyl Alcohol, Anhydrous, 200 proof	12-59 Gallons	Yes	85.06	2,028.70
		Diethylene Glycol	12-59 Gallons	No		
		Accelerator	12-59 Gallons	No		
BELMONT EQUIPMENT COMPANY	1011 SEGOVIA CIR PLACENTIA CA 92870	Propane (C3H8)	12-59 Gallons	Yes	85.06	1,792.07
		Oil, Hydrotreated Light Napthenic Distillate	12-59 Gallons	No		
		Distillates (petroleum), hydrotreated middle	600-1199 Gallons	Yes	298.29	1,792.07
A C PRODUCTS INC	172 LA JOLLA ST PLACENTIA CA 92870	Thinner (813)	3000-5999 Gallons	No		
		Maskant (826)	60-119 Gallons	No		
		Maskant	3000-5999 Gallons	No		
		Maskant	12000-59999 Gallons	No		
		Maskant	60-119 Gallons	No		
		Maskant	3000-5999 Gallons	No		
		Maskant	120-599 Gallons	No		
		Maskant	1200-2999 Gallons	No		
		Maskant	12000-59999 Gallons	No		
		Kemiko Stone Tone Wax	600-1199 Gallons	No		
		Kemiko Stone Tone Sealer	1200-2999 Gallons	No		
		Kemiko Siloxane Sealer	120-599 Gallons	No		
		Kemiko Nutra Clean Cleaner	120-599 Gallons	No		
		Kemiko Clear-A-Thane Sealer	600-1199 Gallons	No		
		Kemiko Buildable Overlay	10000-24999 Pounds	No		
		Kemiko Acid Stain - Premix	1200-2999 Gallons	No		
		Kemiko Acid Stain	6000-8999 Gallons	No		
		Flexible Seal	9000-11999 Gallons	No		
		Chemical Milling Maskant Repair Material	120-599 Gallons	No		
		AC-PCBTF Thinner	6000-8999 Gallons	No		
		AC-815 Thinner	3000-5999 Gallons	No		
		AC-806 Line Sealer	60-119 Gallons	No		
		AC-770-2	120-599 Gallons	No		
		AC WB Line Sealer (JW5-33 Red)	3000-5999 Gallons	No		
		39C-1 Kemiko Solvent Base Acrylic Sealer	600-1199 Gallons	No		
		(930) Defoamer	120-599 Gallons	No		
		(911WB-240-Yellow Line Sealer) Chemical Milling Maskant	120-599 Gallons	No		
		(855) Toluene Brush	120-599 Gallons	No		
		(854) Chemical Milling Maskant	120-599 Gallons	No		
		(838) Chenical Milling Maskant Topcoat	60-119 Gallons	No		
		(811) Laser Line Sealer	120-599 Gallons	No		
SINGER ELECTRIC MOTORS	1030 ORTEGA WAY STE C PLACENTIA CA 92870	Oxygen	0-2599 Cubic Feet	No		
		Motor Oil	12-59 Gallons	No		
		Acetylene	0-2599 Cubic Feet	No		

PHANTOM ALES/PROVISIONS	1211 N LAS BRISAS ST ANAHEIM CA 92806	Oxygen	0-2599 Cubic Feet	No		
		Carbon Dioxide	0-2599 Cubic Feet	No		
Welsh Fabrication	2900 E LA CRESTA AVE ANAHEIM CA 92806	Propane	0-2599 Cubic Feet	Yes	952.11	2,946.31
		Oxygen, Compressed	0-2599 Cubic Feet	No		
		Nitrogen, Compressed	0-2599 Cubic Feet	No		
		Methanol	60-119 Gallons	No		
		Liquefied Oxygen	2600-12999 Cubic Feet	No		
		Carbon Dioxide/Carbon Monoxide/Helium/Nitrogen Mixture	0-2599 Cubic Feet	No		
ONYX PAVING CO INC	2890 E LA CRESTA AVE ANAHEIM CA 92806	SS-1H	1200-2999 Gallons	No		
		PROPANE	60-119 Gallons	Yes	113.94	2,883.55
		Oxygen	0-2599 Cubic Feet	No		
		Oil-All Extreme	120-599 Gallons	Yes	223.4	2,883.55
		Non-rcra Hazardous Waste Liquid (waste Oil)	120-599 Gallons	No		
		Motor Oil	120-599 Gallons	No		
		DRAINED OIL FILTERS/OILY RAGS	12-59 Gallons	No		
ALLBRITE CAR CARE PRODUCTS INC	1201 N LAS BRISAS ANAHEIM CA 92806	Xylene	12-59 Gallons	No		
		Witcamide 511 or Diethanolamine	12-59 Gallons	No		
		TRISODIUM PHOSPHATE DODECADHYDRATE	1000-4999 Pounds	No		
		TRI-ETHANOLAMINE 85%	12-59 Gallons	No		
		SULFURIC ACID 66 BE	500-999 Pounds	No		
		Solvent Naphtha Light Aliphatic	60-119 Gallons	No		
		SODIUM XYLENE SULFONATE - 40%	60-119 Gallons	No		
		SODIUM TRIPOLYPHOSPHATE	1000-4999 Pounds	No		
		SODIUM METASILICATE PENTAHYDRATE	1000-4999 Pounds	No		
		SILICONE RESIN	12-59 Gallons	No		
		silicone emulsion	3000-5999 Gallons	No		
		Propane	12-59 Gallons	Yes	85.06	3,033.54
		POLYDIMETHYL SILOXANE	120-599 Gallons	No		
		Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	60-119 Gallons	No		
		PHOSPHORIC ACID 85%	12-59 Gallons	No		
		OCTYLPHENOL EO POLYETHOXYLATE	12-59 Gallons	No		
		NUOSEPT 95 PRESERVATIVE	12-59 Gallons	No		
		Naphtha, VM&P	12-59 Gallons	No		
		NaOH	60-119 Gallons	No		
		MORPHOLINE	12-59 Gallons	No		
		Mineral Spirits (petroleum Spirits)	60-119 Gallons	No		
		Methyl Ester, soybean oil	12-59 Gallons	No		
		Low Odor Base Solvent orvKerosene	120-599 Gallons	No		
		ISOPROPANOL 99%	60-119 Gallons	No		
		HYDROFLURIC ACID (70%)	500-999 Pounds	No		
		HEXANE	12-59 Gallons	Yes	85.06	3,033.54

		GLYCOL MONO-TERT-BUTYL ETHER	120-599 Gallons	No		
		GLYCOL ETHER- DIPROPYLENE GLYCOL, MONOETHYL ETHER	12-59 Gallons	No		
		GLYCERINE, NATURAL 99.5%	12-59 Gallons	No		
		Fatty acids, tall-oil, epoxidized, octyl esters	12-59 Gallons	No		
		FABRIC - REPELLENT	12-59 Gallons	No		
		ETHYLENE GLYCOL	12-59 Gallons	No		
		ETHOXYLATED ALCOHOLS C9-16, SURFACTANTS (6 OR 9 MOLES)	120-599 Gallons	No		
		Ethanol, 2-amino-	12-59 Gallons	No		
		Ethanol, 2-(2-butoxyethoxy)-	12-59 Gallons	No		
		EDTA -Na Salt	12-59 Gallons	No		
		DODECYCLOBENZENE SULFONIC ACID	120-599 Gallons	No		
		D-LIMONENE	12-59 Gallons	No		
		DENATURED ETHANOL	12-59 Gallons	No		
		COCODIETHANOLAMIDE	12-59 Gallons	No		
		COCOAMIDO PROPYL AMINE OXIDE	12-59 Gallons	No		
		C12-14 ISOALKANES	12-59 Gallons	No		
		AMMONIUM HYDROXIDE 26 BE	12-59 Gallons	No		
		ALIPHATIC PETROLEUM DISTILLATES	12-59 Gallons	No		
		Alcohols, C9-11, ethoxylated	12-59 Gallons	No		
		Alcohols, C10-12, ethoxylated propoxylated	12-59 Gallons	No		
		1-Dodecanamine, N,N-dimethyl-, N-oxide	12-59 Gallons	No		
JB BOSTICK COMPANY INC	2860 E LA CRESTA AVE ANAHEIM CA 92806	SILICON DIOXIDE S10 2	1000-4999 Pounds	No		
		Diesel Fuel	1200-2999 Gallons	No		
		CRACK SEALANT	10000-24999 Pounds	No		

Pacific Coast Water Systems, Inc.

Chemical: Propane (0-11 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	11
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	42.25
ASD for Thermal Radiation for Buildings (ASDBPU)	6.25
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Mesa Roofing Corp.

Chemical: Petroleum Asphalt (Tons)

Converted: 1 Ton = ~748 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	748
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	245.06
ASD for Thermal Radiation for Buildings (ASDBPU)	43.96
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Lynch Metals

Chemicals: Propane (0-2599 Cubic Feet)

Converted: 2599 cubic feet = ~19,441.87 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	19441.87
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	952.11
ASD for Thermal Radiation for Buildings (ASDBPU)	198.24
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Metal-Fab Services Industries, Inc.

Chemicals: Propane (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Airgas USA, LLC

Chemical: Propylene (500-999 pounds)

Converted: 999 Pounds= 237.86 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	237.86
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	152.05
ASD for Thermal Radiation for Buildings (ASDBPU)	25.89
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemicals: Propane (1000-4999 Pounds)

Converted: 4999 Pounds= 1,179.76 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	1179.76
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	

Calculate Acceptable Separation Distance

Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	296.28
ASD for Thermal Radiation for Buildings (ASDBPU)	54.27
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Hydrogen (0-2599 Cubic Feet)

Converted: 2599 cubic feet = ~19,441.87 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	19441.87
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	952.11
ASD for Thermal Radiation for Buildings (ASDBPU)	198.24
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Heatech

Chemical: Propane (60-119 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

G&M Oil Co. #115

Chemical: Unleaded Gasolines (All Grades) (12000-59999 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59999
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	1522.56
ASD for Thermal Radiation for Buildings (ASDBPU)	333.76
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Diesel #2 (12000-59999 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59999
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	

Calculate Acceptable Separation Distance

Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	1522.56
ASD for Thermal Radiation for Buildings (ASDBPU)	333.76
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Win- Dor Placentia

Chemical: Propane (60-119 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Stocker Industries

Chemical: Acetic Acid 50-80% (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Summit Plastering, Inc. DBA Trenone Plastering Inc.

Chemical: Waste Oil (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Propane (12-59 gallons)

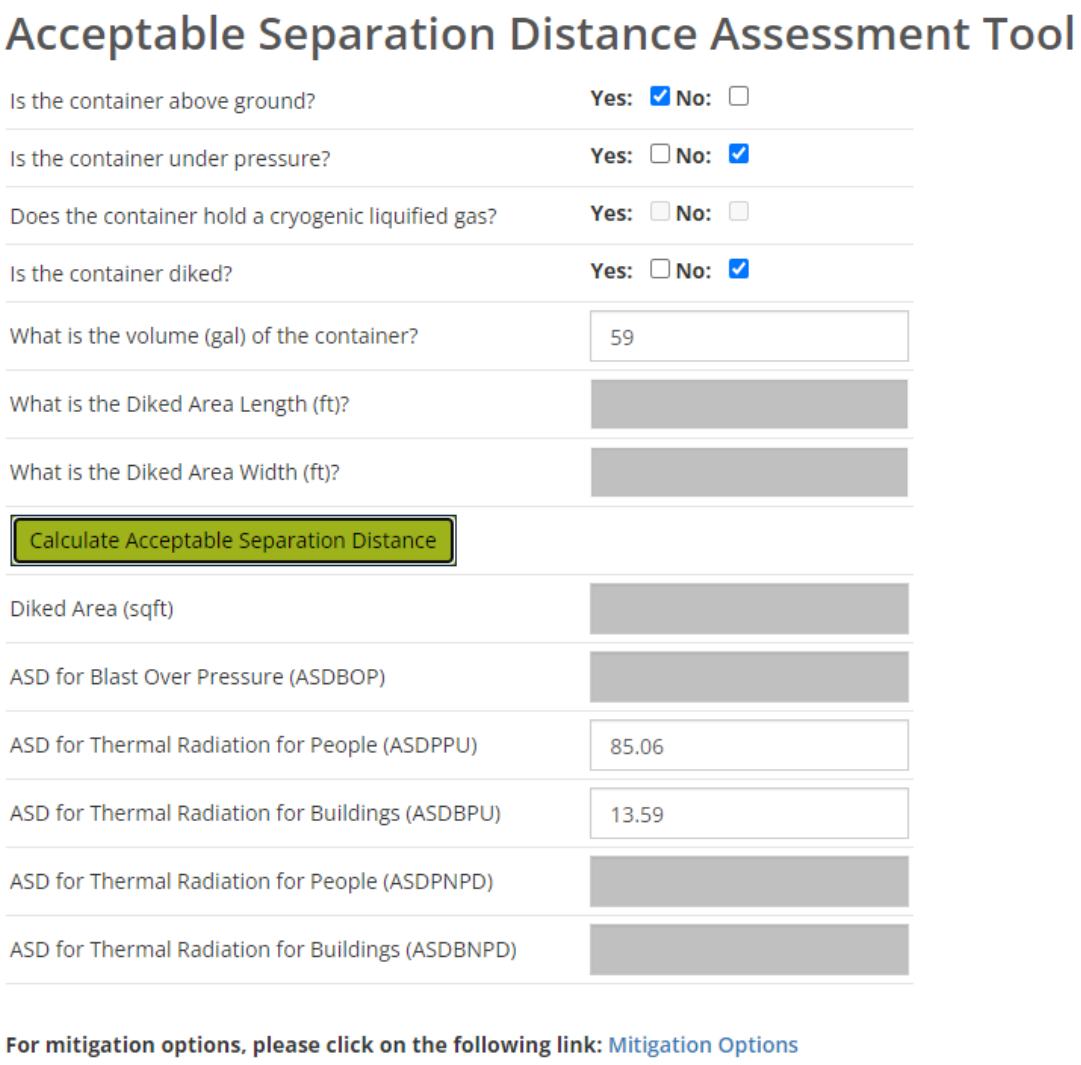
Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

A-1 Fence Company

Chemical: Waste oil and water (12-59 gallons)



Chemical: Propane (60-119 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Cleaning Technology Industries, Inc.

Chemical: Isopropyl Alcohol (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Acetone (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

ABC Sheet Metal Inc.

Chemical: Waste oily water/coolant (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Propane (60-119 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

AJ Fasteners Inc.

Chemical: Waste Oil (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Petroleum Distillate Aliphatic (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Southwest Material Handling, Inc

Chemical: Propane (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

B&M Lawn and Garden Inc.

Chemical: Waste gasoline (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Propane (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: New Oil (120-599 gallons)

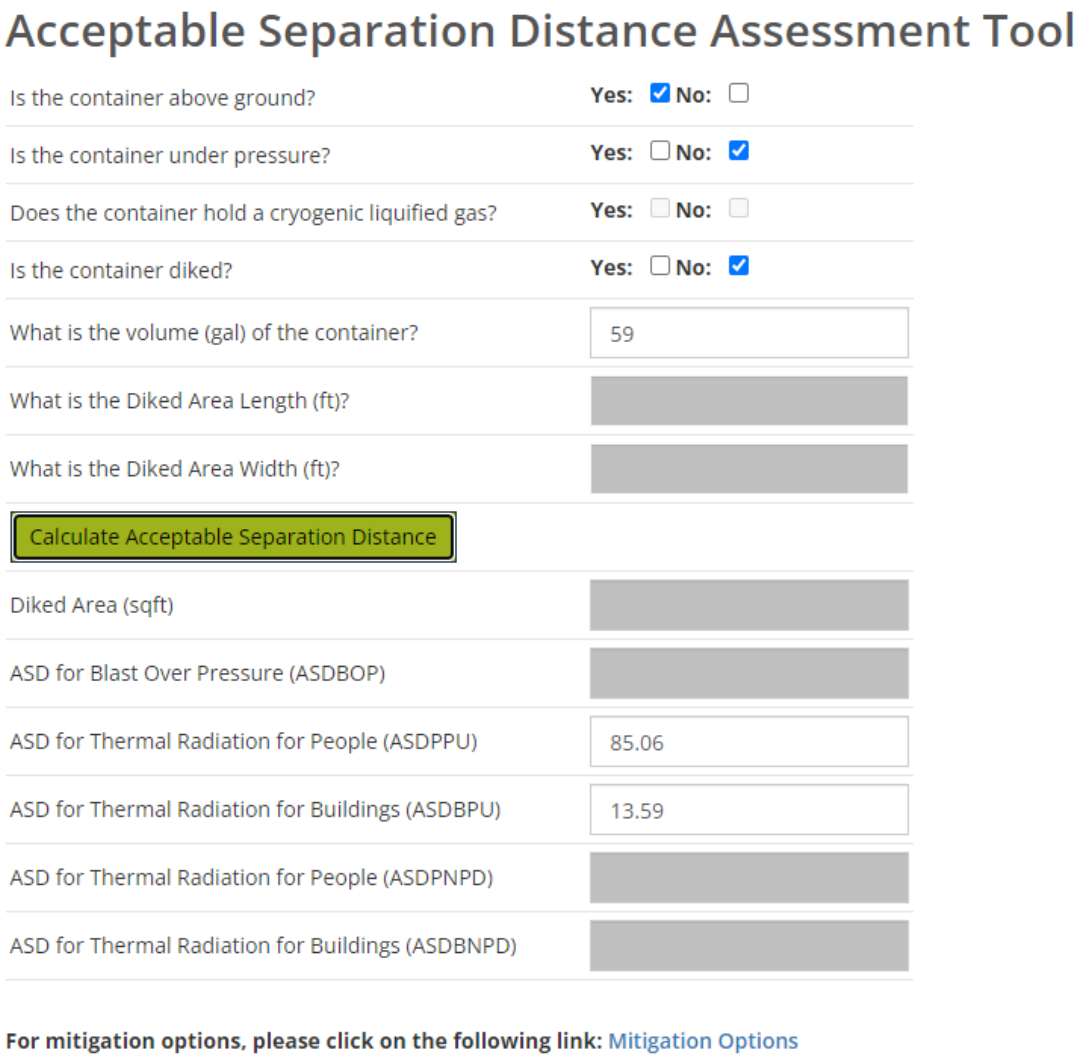
Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Becon LA

Chemical: Distillates (petroleum), solvent-refined light naphthetic and Mineral Oil (petroleum hydrocarbon) MIX (12-59 gallons)



Chemical: Distillates (petroleum), solvent-refined light naphthenic and Mineral oil (petroleum hydrocarbon) MIX (1200-2999 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	2999
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	437.03
ASD for Thermal Radiation for Buildings (ASDBPU)	83.54
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Distillates (petroleum), solvent-refined light naphthenic (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Distillates (petroleum), solvent-refined hydro treated heavy napthenic (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Distillates (petroleum), solvent-refined hydro treated heavy napthenic (60-119 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Total Warehouse

Chemical: Waste Oil (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Propane (0- 2599 cubic feet)

Converted: 2599 cubic feet = ~19,441.87 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	19441.87
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	952.11
ASD for Thermal Radiation for Buildings (ASDBPU)	198.24
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Handy Service

Chemical: Propane (0-11 gallons)

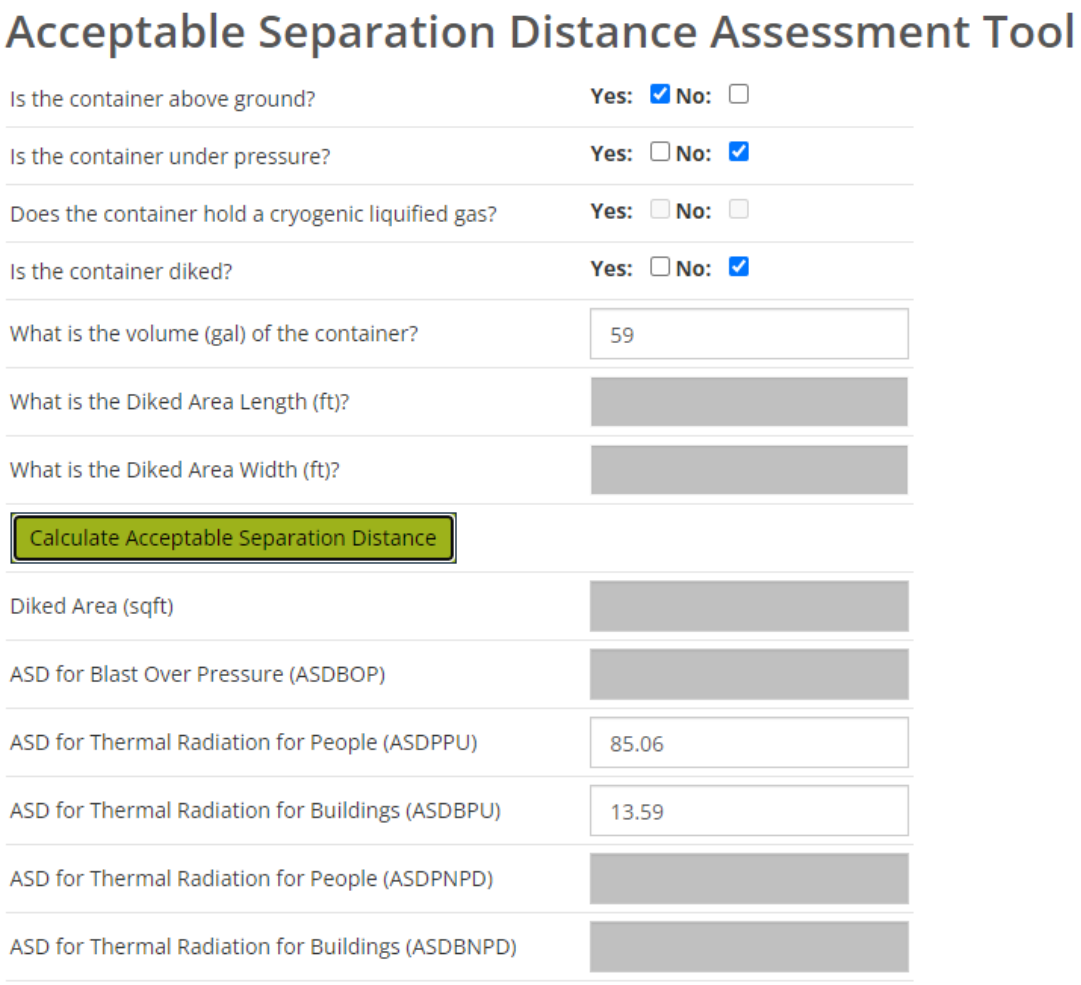
Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	11
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	42.25
ASD for Thermal Radiation for Buildings (ASDBPU)	6.25
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

T&J Sausage Kitchen

Chemical: Waste Oil (12-59 gallons)



Matheson Tri-Gas, Inc.

Chemical: Propylene (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Liquefied Petroleum Gas (Propane) (1200-2999 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	2999
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	437.03
ASD for Thermal Radiation for Buildings (ASDBPU)	83.54
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Hydrogen (2600-12999 Cubic Feet)

Converted: 12999 cubic feet= 97,239.27

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	97239.27
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	1861.81
ASD for Thermal Radiation for Buildings (ASDBPU)	417.23
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: 35% Hydrogen, 65% Argon (0-2599 Cubic Feet)

Converted: 2599 cubic feet= 19,441.87 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	19441.87
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	952.11
ASD for Thermal Radiation for Buildings (ASDBPU)	198.24
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Winn PALLetMaster, Inc.

Chemical: Propene (0-2599 cubic feet)

Converted: Converted: 2599 cubic feet= 19,441.87 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	19441.87
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	952.11
ASD for Thermal Radiation for Buildings (ASDBPU)	198.24
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Propane (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

General Air Compressors Inc

Chemical: Propane (0-2599 cubic feet)

Converted: Converted: 2599 cubic feet= 19,441.87 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	19441.87
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	

Calculate Acceptable Separation Distance

Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	952.11
ASD for Thermal Radiation for Buildings (ASDBPU)	198.24
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Verizon Wireless: Sunkist

Chemical: Diesel Fuel No. 2 (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Republic Waste Services of Southern CA LLC- O&M

Chemical: Petroleum Distillates/ highly refined base oil (600-1199 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	1199
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	298.29
ASD for Thermal Radiation for Buildings (ASDBPU)	54.68
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Liquified Petroleum Gas (lpg) (60-119 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Dretloh Aircraft Supply Inc.

Chemical: Propane (0-2599 cubic feet)

Converted: 2599 cubic feet= 19,441.87 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	19441.87
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	952.11
ASD for Thermal Radiation for Buildings (ASDBPU)	198.24
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Isopropyl Alcohol (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Preferred Paving Company Inc.

Chemical: Propane (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Mineral Spirits (petroleum Spirits) (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Deery Hot Applied Sealant (Petroleum) (1000-4999 pounds)

Converted: 4999 pounds= 833 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	833
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	256.30
ASD for Thermal Radiation for Buildings (ASDBPU)	46.21
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Allied Industrial Systems Inc.

Chemical: Propane (0-2599 cubic feet)

Converted: 2599 cubic feet= 19,441.87 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	19441.87
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	952.11
ASD for Thermal Radiation for Buildings (ASDBPU)	198.24
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Republic Waste Services of Southern CA LLC DBA Anaheim Truck Depot

Chemical: Low Sulfur Diesel (12000-59999 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59999
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	1522.56
ASD for Thermal Radiation for Buildings (ASDBPU)	333.76
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Aloha Fab & Dockworks, Inc.

Chemical: Propane (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

BC Wire Rope & Rigging

Chemical: Propane (120-599 gallons)

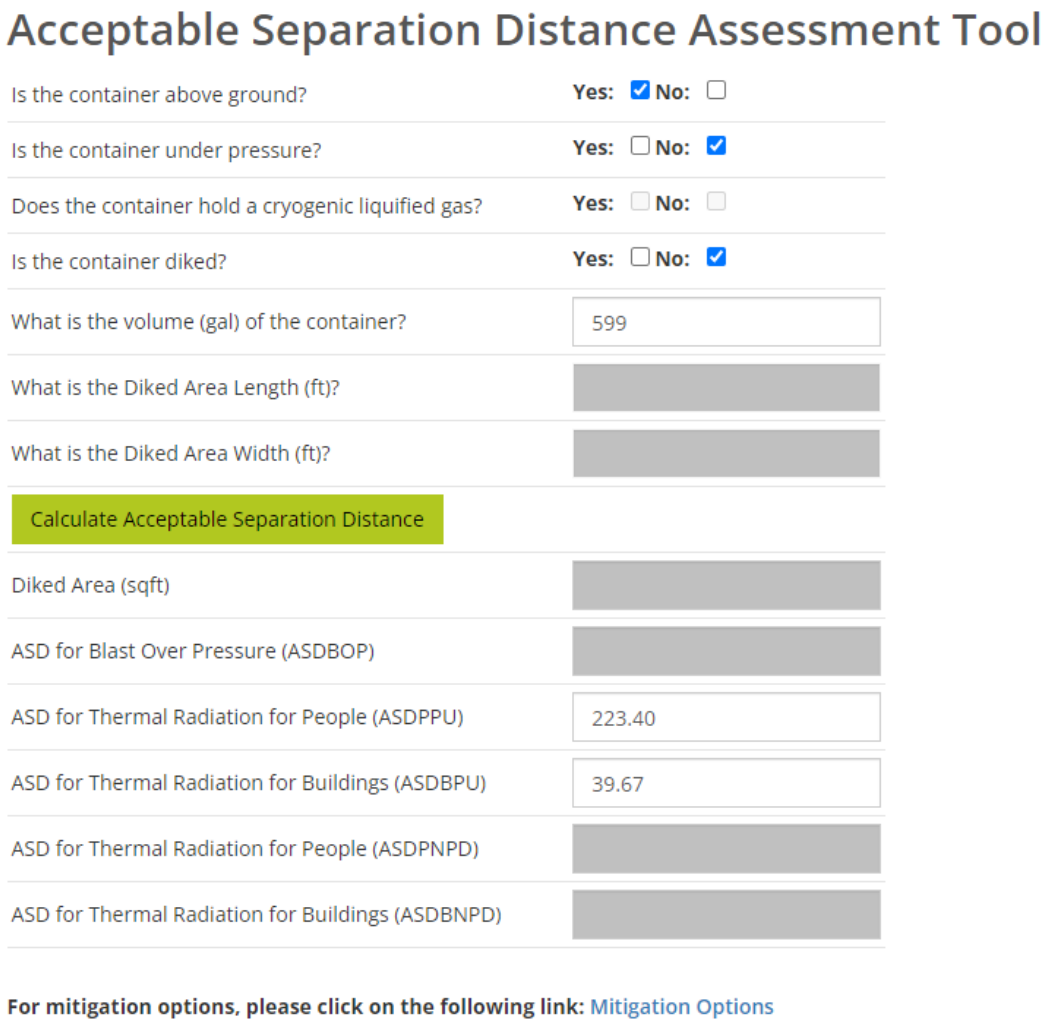
Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Bin Shop

Chemical: Liquefied Petroleum Gas (lpg)



The Countertop Factory

Chemical: Propane (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

D&M Auto Sales

Chemical: Used Motor Oil (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

7-Eleven Inc. #37966

Chemical: Gasoline (12000-59999 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59999
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	1522.56
ASD for Thermal Radiation for Buildings (ASDBPU)	333.76
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Placentia Auto Repair

Chemical: Waste Oil (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Conventional Motor Oil (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

U-Haul Repair Shop Placentia RERS

Chemical: Propane (60-119 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Petroleum Hydrocarbon (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Petroleum Hydrocarbon (600-1199 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	1199
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	298.29
ASD for Thermal Radiation for Buildings (ASDBPU)	54.68
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Petroleum Hydrocarbon (60-119 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Acetone (60-119 gallons)

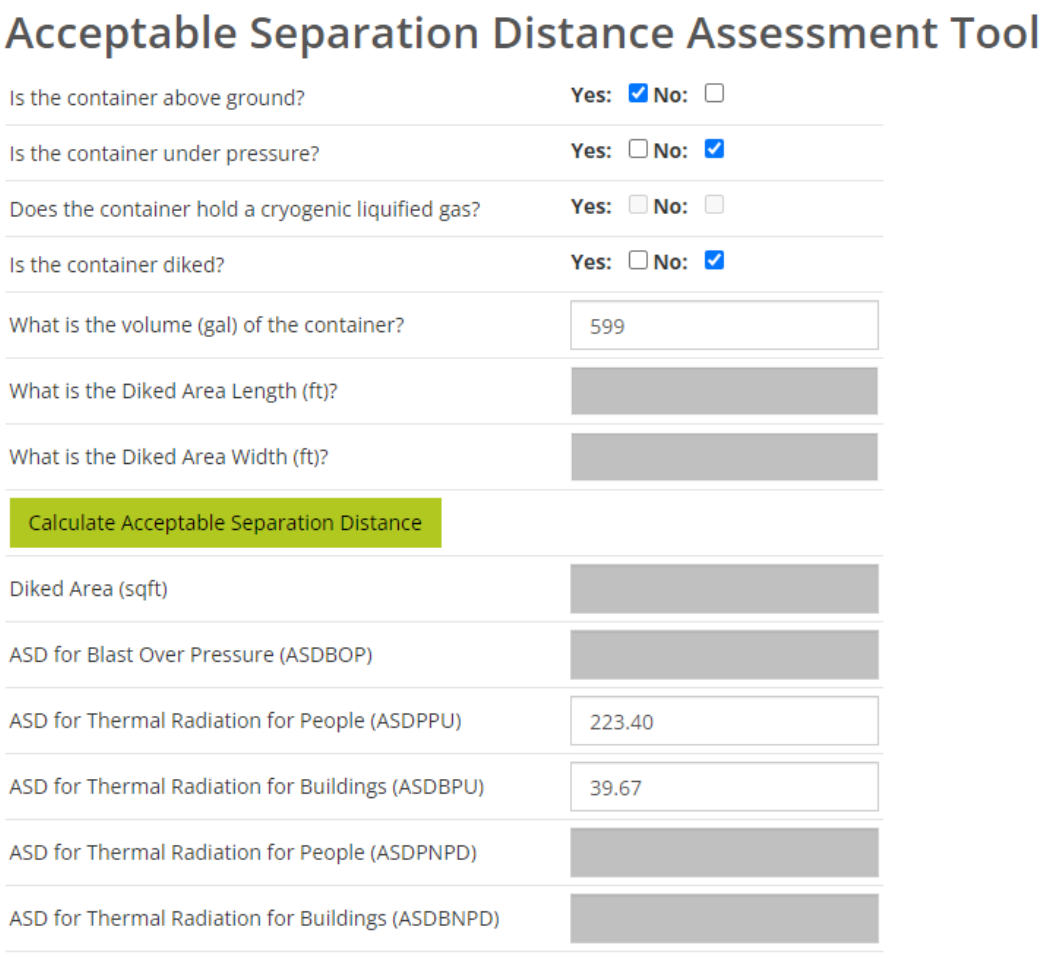
Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

U-Haul of Placentia

Chemical: Propane (120-599 gallons)



City Service Contracting Inc

Chemical: Propane (60-119 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Diesel Fuel No. 2 (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Mesa Roofing Corp.

Chemical: Petroleum Asphalt (5000-9999 pounds)

Converted: ~5 Tons = ~3,740 gallons

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	3740
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	479.14
ASD for Thermal Radiation for Buildings (ASDBPU)	92.52
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Bassani Manufacturing

Chemical: Propane (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Isopropyl Alcohol (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Distillates (petroleum), solvent-refined light paraffinic (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Mayer Litho

Chemical: Ethyl Alcohol, Anhydrous, 200 proof (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Belmont Equipment Company

Chemical: Propane (12-58 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Distillates (petroleum), hydrotreated middle (600-1199 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	1199
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	

Calculate Acceptable Separation Distance

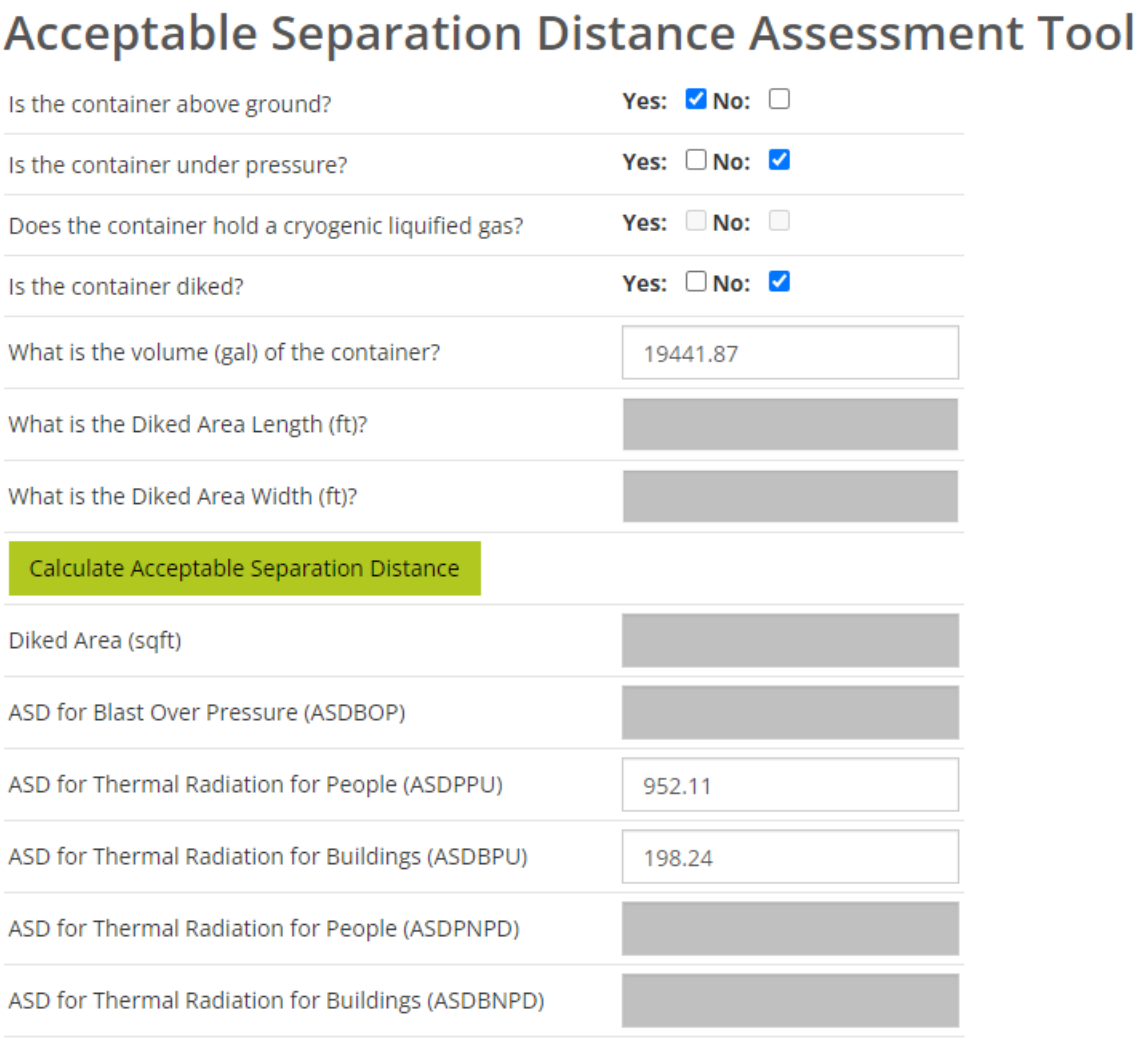
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	298.29
ASD for Thermal Radiation for Buildings (ASDBPU)	54.68
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Welsh Fabrication

Chemical: Propane (0-2599 cubic feet)

Converted: 2599 cubic feet = ~19,441.87 gallons



Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	19441.87
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	952.11
ASD for Thermal Radiation for Buildings (ASDBPU)	198.24
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Onyx Paving Co Inc

Chemical: Propane (60-119 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	119
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	113.94
ASD for Thermal Radiation for Buildings (ASDBPU)	18.79
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Chemical: Oil- All Extreme (120-599 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	599
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	223.40
ASD for Thermal Radiation for Buildings (ASDBPU)	39.67
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Allbrite Car Care Products Inc

Chemical: Propane (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

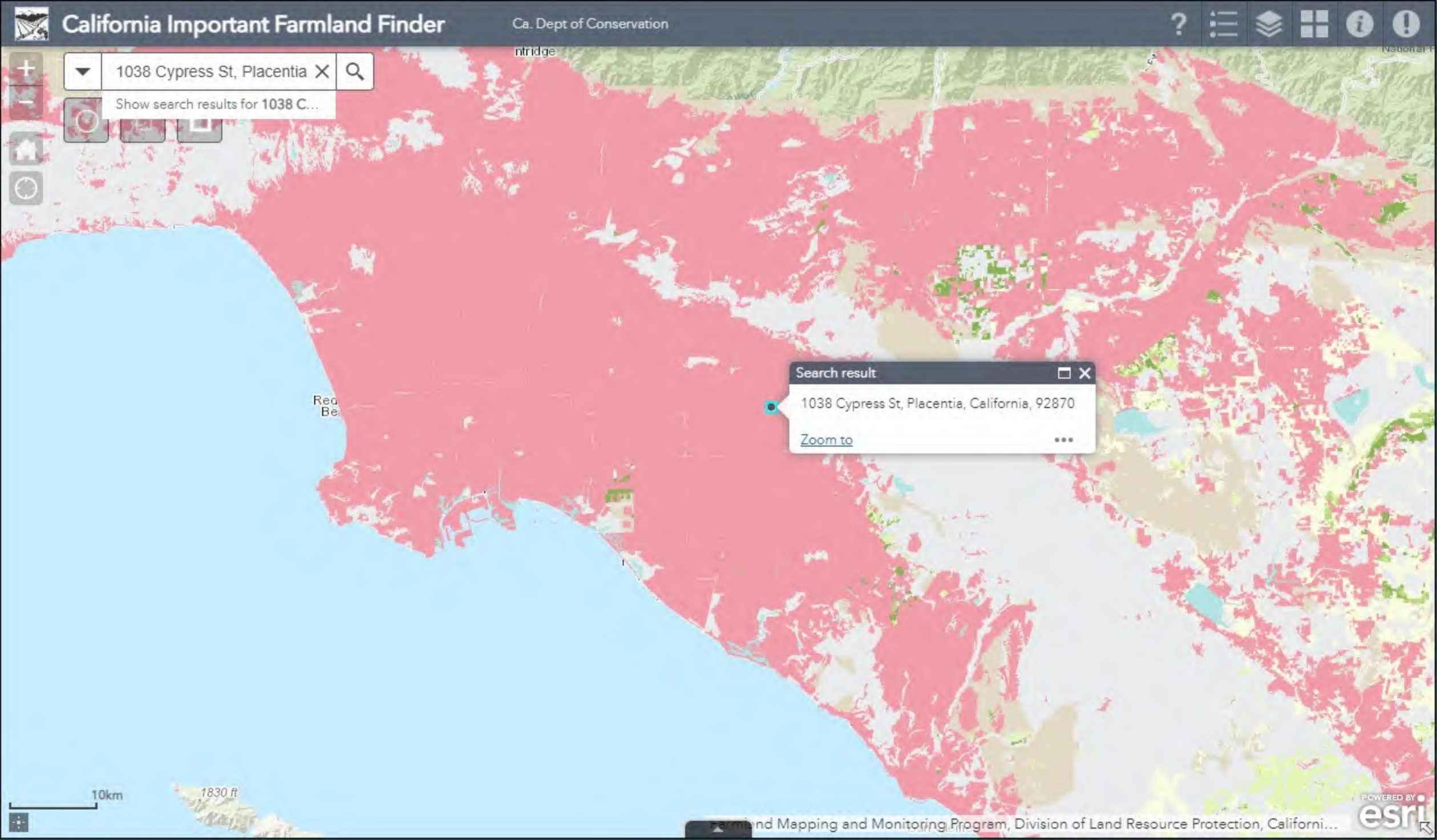
Chemical: Hexane (12-59 gallons)

Acceptable Separation Distance Assessment Tool

Is the container above ground?	**Yes:** ☑ **No:** ☐
Is the container under pressure?	**Yes:** ☐ **No:** ☑
Does the container hold a cryogenic liquified gas?	**Yes:** ☐ **No:** ☐
Is the container diked?	**Yes:** ☐ **No:** ☑
What is the volume (gal) of the container?	59
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	
ASD for Thermal Radiation for People (ASDPPU)	85.06
ASD for Thermal Radiation for Buildings (ASDBPU)	13.59
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: Mitigation Options

Attachment 9. California Important Farmland Finder


California Important Farmland Finder
Ca. Dept of Conservation
1038 Cypress St, Placentia
Show search results for 1038 C...
Search result
1038 Cypress St, Placentia, California, 92870
Zoom to
10km
1830 ft
Farmland Mapping and Monitoring Program, Division of Land Resource Protection, Californi...
esri

Attachment 10.TDAT & State Historic Preservation Office Letter

State of California • Natural Resources Agency
Gavin Newsom, *Governor*

DEPARTMENT OF PARKS AND RECREATION
OFFICE OF HISTORIC PRESERVATION
Armando Quintero, *Director*

Julianne Polanco, State Historic Preservation Officer
1725 23rd Street, Suite 100, Sacramento, CA 95816-7100
Telephone: (916) 445-7000 FAX: (916) 445-7053
calshpo.ohp@parks.ca.gov www.ohp.parks.ca.gov

August 2, 2022
[VIA EMAIL]

Refer to HUD_2022_0706_002

Mr. Ernest Hernandez
Staff Specialist
Housing and Community Development
1501 East St. Andrews Place, 1st Floor
Santa Ana, CA 92705

Re: Single Family Residential Rehabilitation Project at 1038 Cypress Street, Placentia, CA

Dear Mr. Hernandez:

The California State Historic Preservation Officer (SHPO) received the consultation submittal for the above referenced undertaking for our review and comment pursuant to Section 106 of the National Historic Preservation Act and its implementing regulations found at 36 CFR Part 800. The regulations and advisory materials are located at www.achp.gov.

Pursuant to 36 CFR Part 800.4(d) the SHPO does not object to the County of Orange's finding of *No historic properties affected* for the U.S. Department of Housing and Urban Development (HUD) funded single family residential rehabilitation project located at 1038 Cypress Street in Placentia, CA. The County may have additional Section 106 responsibilities under certain circumstances set for in 36 CFR Part 800. For example, in the event that historic properties are discovered during the implementation of the undertaking, the County is required to consult further pursuant to 36 CFR Part 800.13(b).

We appreciate the County of Orange's consideration of historic properties in the project planning process. If you have questions please contact Shannon Lauchner Pries, Historian II, with the Local Government & Environmental Compliance Unit at shannon.pries@parks.ca.gov .

Note that we are only sending this letter in electronic format. Please confirm receipt of this letter. If you would like a hard copy mailed to you, respond to this email to request a hard copy be mailed.

Sincerely,

Julianne Polanco
State Historic Preservation Officer

Tribal Name	Last Name	First Name	Title	Street Address	City	State	Zip Code	Work Phone	Fax Number	Email	THPO	URL	Last Update Datetime
Absentee-Shawnee Tribe of Indians of Oklahoma	Frazier	Devon	THPO	2025 South Gordon Cooper Drive	Shawnee	OK	74801	(405) 275-4030 ext. 6243		106nagpra@astribe.com	Y	http://www.astribe.com	31-Jan-2023 20:11:00
Absentee-Shawnee Tribe of Indians of Oklahoma	Johnson	John	Governor	2025 South Gordon Cooper Drive	Shawnee	OK	74801	(405) 275-4030	(405) 878-4543	jjohnson@astribe.com	N	http://www.astribe.com	25-Apr-2023 13:41:22
Agua Caliente Band of Cahuilla Indians of the Agua Caliente Indian Reservation, California	Garcia	Patricia	THPO	5401 Dinah Shore Drive	Palm Springs	CA	92264-5970	(760) 699-6907	(760) 699-6924	pagarcia@aguacaliente.net	Y		31-Jan-2023 20:10:55
Agua Caliente Band of Cahuilla Indians of the Agua Caliente Indian Reservation, California	Garcia	Patricia	THPO	5401 Dinah Shore Drive	Palm Springs	CA	92264-5970	(760) 699-6907	(760) 699-6924	pagarcia@aguacaliente.net	Y	http://www.aguacaliente-nsn.gov	31-Jan-2023 20:10:55
Agua Caliente Band of Cahuilla Indians of the Agua Caliente Indian Reservation, California	Grubbe	Jeff	Chairperson	5401 Dinah Shore Drive	Palm Springs	CA	92264-5970	(760) 699-6800	(760) 325-0593		N	http://www.aguacaliente-nsn.gov	31-Jan-2023 20:10:54
Agua Caliente Band of Cahuilla Indians of the Agua Caliente Indian Reservation, California	Grubbe	Jeff	Chairperson	5401 Dinah Shore Drive	Palm Springs	CA	92264-5970	(760) 699-6800	(760) 325-0593		N		31-Jan-2023 20:10:54
Agua Caliente Band of Cahuilla Indians of the Agua Caliente Indian Reservation, California	Milanovich	Reid	Chairman	Agua Caliente Tribal Administration Plaza 5401 Dinah Shore Drive	Palm Springs	CA	92264	(760) 699-6800	(760) 699-6919	rmilanovich@aguacaliente.net		http://www.aguacaliente-nsn.gov	25-Apr-2023 14:14:52
Agua Caliente Band of Cahuilla Indians of the Agua Caliente Indian Reservation, California	Milanovich	Reid	Chairman	Agua Caliente Tribal Administration Plaza 5401 Dinah Shore Drive	Palm Springs	CA	92264	(760) 699-6800	(760) 699-6919	rmilanovich@aguacaliente.net			25-Apr-2023 14:14:52
Alturas Indian Rancheria, California	Del Rosa	Phillip	Chairperson	901 County Road 56	Alturas	CA	96101	(541) 941-2324		air530@yahoo.com			25-Apr-2023 14:39:15
Augustine Band of Cahuilla Indians, California	Green	Mary Ann	Chairperson	PO Box 846	Coachella	CA	92236-0846	(760) 398-4722	(760) 369-7161	chairperson@augustinetribe.com	N	http://www.augustinetribe.org	31-Jan-2023 20:17:28
Barona Group of Capitan Grande Band of Mission Indians of the Barona Reservation, California	LaChappa	Clifford	Chairperson	1095 Barona Road	Lakeside	CA	92040-1599	(619) 443-6612	(619) 443-0681	clachappa@barona-nsn.gov	N	http://www.baronatribe.org	31-Jan-2023 20:17:38
Bear River Band of the Rohnerville Rancheria, California	Frank	Josefina	Chairperson	266 Keisner Road	Loleta	CA	95551	(707) 733-1900	(707) 733-1972	josephinacortez@brb-nsn.gov			25-Apr-2023 14:50:29
Bear River Band of the Rohnerville Rancheria, California	Frank	Josefina	Chairperson	266 Keisner Road	Loleta	CA	95551	(707) 733-1900	(707) 733-1972	josephinacortez@brb-nsn.gov		http://www.brb-nsn.gov/	25-Apr-2023 14:50:29
Bear River Band of the Rohnerville Rancheria, California	McCavour	Melanie	THPO	27 Bear River Road	Loleta	CA	95551-9707	(707) 532-0193 Ext. 1233	(707) 764-5883	melaniemccavour@brb-nsn.gov	Y		31-Jan-2023 20:16:44
Bear River Band of the Rohnerville Rancheria, California	McCavour	Melanie	THPO	27 Bear River Road	Loleta	CA	95551-9707	(707) 532-0193 Ext. 1233	(707) 764-5883	melaniemccavour@brb-nsn.gov	Y	http://www.brb-nsn.gov/	31-Jan-2023 20:16:44
Big Sandy Rancheria of Western Mono Indians of California	Kipp	Elizabeth	Chairperson	PO Box 337	Auberry	CA	93602-0337	(559) 374-0066	(559) 855-4129		N	http://www.bigsandyrancheria.com	31-Jan-2023 20:16:45
Bishop Paiute Tribe	Bengochia	Monty	THPO	50 Tu Su Lane	Bishop	CA	93513	(760) 873-8726	(760) 873-4143	monty.bengochia@bishoppaiute.org	Y	http://www.bishoppaiutetribe.com	31-Jan-2023 20:16:45
Bishop Paiute Tribe	Summers	Allen	Chairperson	50 Tu Su Lane	Bishop	CA	93513	(760) 873-3584	(760) 873-4143	allen.summers@bishoppaiute.org	N	http://www.bishoppaiutetribe.com	31-Jan-2023 20:16:45
Bridgeport Indian Colony	Glazier	John	Chairperson	PO Box 37	Bridgeport	CA	93517-0037	(760) 932-7083	(760) 932-7846	chair@bridgeportindiancolony.com	N	http://www.bridgeportindiancolony.com/	31-Jan-2023 20:16:57
Bridgeport Indian Colony	Painter	Debbie	Acting THPO	PO Box 37	Bridgeport	CA	93517	(760) 932-7083		culture@bridgeportindiancolony.com	Y	http://www.bridgeportindiancolony.com/	31-Jan-2023 20:16:57
Buena Vista Rancheria of Me-Wuk Indians of California	Morningstar-Pope	Rhonda	Chairperson	1418 20th Street Suite 200	Sacramento	CA	95811	(916) 491-0011	(916) 491-0012	rhonda@buenavistatribe.com	N	http://www.buenavistatribe.com	31-Jan-2023 20:16:58
Buena Vista Rancheria of Me-Wuk Indians of California	Senock	Ivan	THPO	1418 20th Street Suite 200	Sacramento	CA	95811	(916) 491-0011 ext. 255	(916) 491-0012	ivan@bvtribe.com	Y	http://www.buenavistatribe.com	31-Jan-2023 20:16:57
Cabazon Band of Mission Indians, California	Stapp	Judy	Director of Cultural Affairs	84-245 Indio Spring Drive	Indio	CA	92201	(760) 342-5000 ext. 84741		jstapp@cabazonindians-nsn.gov	N		31-Jan-2023 20:16:20
Cabazon Band of Mission Indians, California	Welmas	Douglas	Chairperson	84-245 Indio Spring Drive	Indio	CA	92201	(760) 342-2593	(760) 347-7880		N		31-Jan-2023 20:16:19
Cachil DeHe Band of Wintun Indians of the Colusa Indian Community of the Colusa Rancheria, California	Gomez	Daniel	Chairperson	3730 Highway 45	Colusa	CA	95932	(530) 458-8231	(530) 458-4186	cicc@colusa-nsn.gov	N	http://www.colusa-nsn.gov	31-Jan-2023 20:16:20
Cahto Tribe of the Laytonville Rancheria	Norris	Mary	Chairperson	PO Box 1239	Laytonville	CA	95454-1239	(707) 984-6197	(707) 984-6201	chairman@cahto.org	N	http://www.cahto.org	31-Jan-2023 20:20:46
Cahuilla Band of Indians	Madrigal Sr.	Anthony	THPO	52701 Highway 371	Anza	CA	92539	(951) 763-5549	(951) 763-2808	anthonymad2002@gmail.com	Y	http://www.cahuilla.net/	31-Jan-2023 20:20:02
Cahuilla Band of Indians	Salgado	Daniel	Chairperson	52701 Highway 371	Anza	CA	92539-1760	(951) 763-5549	(951) 763-2808	tribalcouncil@cahuilla.net	N	http://www.cahuilla.net/	31-Jan-2023 20:20:46
California Valley Miwok Tribe, California	Burley	Silvia	Chairperson	1487 Avenida Central	La Grange	CA	95329	(209) 931-4567	(209) 931-4333	office@cvmt.net	N	http://www.californiavalleymiwoktribe-nsn.gov	31-Jan-2023 20:20:02
Campo Band of Diegueno Mission Indians of the Campo Indian Reservation, California	Goff	Ralph	Chairperson	36190 Church Road, Suite 1	Campo	CA	91906	(619) 478-9046	(619) 478-5818	rgoff@campo-nsn.gov	N	http://www.campo-nsn.gov	31-Jan-2023 20:20:11
Capitan Grande Band of Diegueno Mission Indians of California	Welch, Jr.	Robert	Chairman	PO Box 908	Alpine	CA	91903	(619) 445-3810	(619) 445-5337		N	http://www.viejasbandofkumeyaay.org	31-Jan-2023 20:20:11
Cedarville Rancheria, California	Lash	Richard	Chairperson	300 West 1st Street	Alturas	CA	96101-3905	(530) 233-3969	(530) 233-4776	cr.munholand@gmail.com	N	http://www.cedarvillerancheria.net	31-Jan-2023 20:19:55
Chemehuevi Indian Tribe of the Chemehuevi Reservation, California	Wood	Charles	Chairperson	PO Box 1976	Havasu Lake	CA	92363-1976	(760) 858-4219	(760) 858-5400	chairman@cit-nsn.gov	N	http://www.chemehuevi.net/	31-Jan-2023 20:19:56
Cher-Ae Heights Indian Community of the Trinidad Rancheria, California	Sundberg	Rachel	THPO	PO Box 630	Trinidad	CA	95570	(707) 677-0211	(707) 677-3921	rsundberg@trinidadrancheria.com	Y	http://www.trinidad-rancheria.org	31-Jan-2023 20:20:23
Cher-Ae Heights Indian Community of the Trinidad Rancheria, California	Sundberg, Sr.	Garth	Chairperson	PO Box 630	Trinidad	CA	95570-0630	(707) 677-0211	(707) 677-3921	aatkins@trinidadrancheria.com	N	http://www.trinidad-rancheria.org	31-Jan-2023 20:20:23
Chicken Ranch Rancheria of Me-Wuk Indians of California	Mathiesen	Lloyd	Chairperson	PO Box 1159	Jamestown	CA	95327-1159	(209) 984-9066	(209) 984-9269	chixrnch@mlode.com	N		31-Jan-2023 20:24:49
Cloverdale Rancheria of Pomo Indians of California	Hermosillo	Patricia	Tribal Chairperson	555 South Cloverdale Boulevard	Cloverdale	CA	95425	(707) 894-5775	(707) 894-5727		N	http://www.cloverdalerancheria.com	31-Jan-2023 20:28:51
Cold Springs Rancheria of Mono Indians of California	Hunter	Blossom	Chairperson	PO Box 209	Tollhouse	CA	93667-0209	(559) 855-5043	(559) 855-4445	hunterblossom31@gmail.com	N	http://www.coldspringsrancheria.com/	31-Jan-2023 20:27:04
Colorado River Indian Tribes of the Colorado River Indian Reservation, Arizona and California	Etsitty	Brian	Acting THPO	26600 Mohave Road	Parker	AZ	85344	(928) 669-5832	(928) 669-8072	betsitty@crit-nsn.gov	N	http://www.crit-nsn.gov/	31-Jan-2023 20:28:20
Colorado River Indian Tribes of the Colorado River Indian Reservation, Arizona and California	Patch	Dennis	Chairman	26600 Mohave Road	Parker	AZ	85344	(928) 669-1280	(928) 669-1216	tashina.harper@crit-nsn.gov	N	http://www.crit-nsn.gov/	31-Jan-2023 20:28:20
Confederated Tribes of Siletz Indians of Oregon	Pigsley	Delores	Tribal Chairperson	PO Box 549	Siletz	OR	97380-0549	(541) 444-2532	(541) 444-2307	dpigsley@msn.com	N	http://www.ctsi.nsn.us	31-Jan-2023 20:31:00
Confederated Tribes of the Grand Ronde Community of Oregon	Bailey	Christopher	Cultural Protection Specialist	8720 Grand Ronde Road	Grand Ronde	OR	97347-9712	(503) 879-1675	(503) 878-2126	thpo@grandronde.org	N	http://www.grandronde.org	31-Jan-2023 20:31:52
Confederated Tribes of the Grand Ronde Community of Oregon	Harrelson	David	Program Manager and THPO	8720 Grand Ronde Road	Grand Ronde	OR	97347-9712	(503) 879-1630	(503) 878-2126	thpo@grandronde.org	Y	http://www.grandronde.org	31-Jan-2023 20:32:00
Confederated Tribes of the Grand Ronde Community of Oregon	Kennedy	Cheryle	Tribal Chairwoman	9615 Grand Ronde Road	Grand Ronde	OR	97347	(503) 879-5211	(503) 879-5964	reyn.leno@grandronde.org	N	http://www.grandronde.org	31-Jan-2023 20:31:52
Cortina Indian Rancheria	Wright	Charlie	Chairperson	PO Box 1630	Williams	CA	95987-1630	(530) 473-3274	(530) 473-3301	cww281@gmail.com	N		31-Jan-2023 20:34:01
Coyote Valley Band of Pomo Indians of California	Hunter	Michael	Chairperson	7601 North State St.	Redwood Valley	CA	95470-0039	(707) 485-8723	(707) 485-1247	tribalgovernment@coyotevalley-nsn.gov	N	http://coyotevalleytribe.org/	31-Jan-2023 20:36:35
Coyote Valley Band of Pomo Indians of California	Knight	Eddie	THPO	7601 North State St.	Redwood Valley	CA	95470-0039	(707) 485-8723	(707) 485-1247	tribalgovernment@coyotevalley-nsn.gov	Y	http://coyotevalleytribe.org/	31-Jan-2023 20:36:43
Dry Creek Rancheria Band of Pomo Indians, California	Giron	Tieraney	THPO	PO Box 607	Geyserville	CA	95441-0607	(707) 522-4227	(707) 522-4286	tieraneyg@drycreekrancheria.com	Y	http://www.drycreekrancheria.com	31-Jan-2023 20:42:36
Dry Creek Rancheria Band of Pomo Indians, California	Wright	Chris	Chairperson	PO Box 607	Geyserville	CA	95441-0607	(707) 431-4090	(707) 522-4286	chrisw@drycreekrancheria.com	N	http://www.drycreekrancheria.com	31-Jan-2023 20:42:35
Elem Indian Colony of Pomo Indians of the Sulphur Bank Rancheria, California	Garcia	Agustin	Chairperson	16170 Main Street, Suite I	Lower Lake	CA	95457-0757	(707) 994-3400	(707) 994-3408	a.garcia@elemindiancolony.org	N	http://www.elemindiancolony.org	31-Jan-2023 20:45:03
Elk Valley Rancheria, California	Miller	Dale	Chairperson	2332 Howland Hill Road	Crescent City	CA	95531	(707) 464-4680	(707) 464-2638	dmiller@elk-valley.com	N	http://www.elk-valley.com	31-Jan-2023 20:45:03
Elk Valley Rancheria, California	Stewart	Crista	THPO	2332 Howland Hill Road	Crescent City	CA	95531	(707) 465-2620	(707) 464-4519	cstewart@elk-valley.com	Y	http://www.elk-valley.com	31-Jan-2023 20:45:03
Enterprise Rancheria of Maidu Indians of California	Franklin	Reno	THPO	2133 Monte Vista Avenue	Oroville	CA	95966-2175	(530) 532-9214	(530) 532-1768	renof@enterpriserancheria.org	Y	http://www.enterpriserancheria.org	31-Jan-2023 20:43:07
Enterprise Rancheria of Maidu Indians of California	Nelson	Glenda	Chairperson	2133 Monte Vista Avenue	Oroville	CA	95966-2175	(530) 532-9214	(530) 532-1768	renof@enterpriserancheria.org	N	http://www.enterpriserancheria.org	31-Jan-2023 20:43:07
Ewiiaapaayp Band of Kumeyaay Indians, California	Pinto	Robert	Chairperson	4054 Willows Road	Alpine	CA	91901	(619) 445-6315	(619) 445-9126	wmicklin@leaningrock.net	N	http://www.sctca.net/ewiiaapaayp-band-kumeyaay-indians	31-Jan-2023 20:43:09
Federated Indians of Graton Rancheria, California	McQuillen	Buffy	THPO	6400 Redwood Drive, Ste 300	Rohnert Park	CA	94928	(707) 566-2288	(707) 566-2291	bmcquillen@gratonrancheria.com	Y	http://www.gratonrancheria.com	31-Jan-2023 20:43:46
Federated Indians of Graton Rancheria, California	Sarris	Greg	Chairperson	6400 Redwood Drive, Ste 300	Rohnert Park	CA	94928	(707) 566-2288	(707) 566-2291	lross@gratonrancheria.com	N	http://www.gratonrancheria.com	31-Jan-2023 20:43:09
Fort Bidwell Indian Community of the Fort Bidwell Reservation of California	Townsend	Kevin	Chairperson	PO Box 129	Fort Bidwell	CA	96112-0129	(530) 279-6310	(530) 279-2233	liz.zendejas@fbicc.com	N		31-Jan-2023 20:45:59
Fort Independence Indian Community of Paiute Indians of the Fort Independence Reservation, California	Scruggs	Sean	Interim THPO	PO Box 67	Independence	CA	93526	(702) 601-3163	(760) 878-2311	falconkeeper22@gmail.com	Y	http://www.fortindependence.com	31-Jan-2023 20:45:59
Fort Independence Indian Community of Paiute Indians of the Fort Independence Reservation, California	Stine	Wendy	Chairperson	PO Box 67	Independence	CA	93526-0067	(760) 878-5160	(760) 878-2311	chairman@fortindependence.com	N	http://www.fortindependence.com	31-Jan-2023 20:46:00
Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon	Smart	Tildon	Chairman/Administrator	PO Box 457	McDermitt	NV	89421-0457	(775) 532-8259	(775) 532-8903	tildon.smart@fmpst.org	N		31-Jan-2023 20:46:18
Fort McDowell Yavapai Nation, Arizona	Balderas	Ruben	President	PO Box 17779	Fountain Hills	AZ	85268-7779	(480) 837-5121	(480) 837-1630	rbalderas@ftmcdowell.org	N	http://www.fmyn.org/	31-Jan-2023 20:50:25
Fort McDowell Yavapai Nation, Arizona	Ray	Karen	THPO	16304 North Fort McDowell Road	Fort McDowell	AZ	85264	(480) 789-7190	(480) 837-1630	kray@ftmcdowell.org	Y	http://www.fmyn.org/	31-Jan-2023 20:50:25
Fort Mojave Indian Tribe of Arizona, California & Nevada	Williams	Timothy	Chairperson	500 Merriman Avenue	Needles	CA	92363	(760) 629-4591	(760) 629-2468		N	http://www.mojaveindiantribe.com	31-Jan-2023 20:48:21
Grindstone Indian Rancheria of Wintun-Wailaki Indians of California	Kirk	Ron	Chairperson	PO Box 63	Elk Creek	CA	95939-0063	(530) 968-5365	(530) 968-5366	gir_rancheria@yahoo.com	N		31-Jan-2023 20:47:58
Hoopa Valley Tribe, California	Davis	Joe	Chairperson	PO Box 1348	Hoopa	CA	95546-1348	(530) 625-4211	(530) 625-4594	hoopa.receptionist@gmail.com	N	http://www.hoopa-nsn.gov	31-Jan-2023 20:48:15
Hoopa Valley Tribe, California	Lara-Colegrove	Keduescha	THPO/NAGPRA Coordinator	PO Box 1348	Hoopa	CA	95546-1348	(530) 625-4284		hvt.thpo@gmail.com	Y	http://www.hoopa-nsn.gov	31-Jan-2023 20:48:15
Hopland Band of Pomo Indians, California	Billy	Ramon	THPO	3000 Shanel Road	Hopland	CA	95449	(707) 472-2100	(707) 472-2107	thpo@hoplandtribe.com	Y	http://www.hoplandtribe.com/	31-Jan-2023 20:49:38
Hopland Band of Pomo Indians, California	Elliott, Sr.	Sonny	Chairperson	3000 Shanel Road	Hopland	CA	95449-9809	(707) 472-2100	(707) 744-1506	sjelliott@hoplandtribe.com	N	http://www.hoplandtribe.com/	31-Jan-2023 20:49:38
Iipay Nation of Santa Ysabel, California	Perez	Virgil	Chairperson	PO Box 130	Santa Ysabel	CA	92070-0130	(760) 765-0845	(760) 765-0320	viapch@gmail.com	N	http://iipaynation-nsn.com/	31-Jan-2023 20:50:21
Inaja Band of Diegueno Mission Indians of the Inaja and Cosmit Reservation, California	Maxcy Osuna	Rebecca	Chairperson	2005 South Escondido Blvd	Escondido	CA	92025-8207	(760) 737-7628	(760) 747-8568	inaja_cosmitrez@hotmail.com	N		31-Jan-2023 20:50:21
Ione Band of Miwok Indians of California	Setshwaelo	Sara	Chairperson	POBox 699	Plymouth	CA	95669	(209) 245-5800	(209) 245-3112		N	http://www.ionemiwok.org/	31-Jan-2023 20:48:07
Jackson Band of Miwuk Indians	Dalton	Adam	Chairperson	PO Box 1090	Jackson	CA	95642-1090	(209) 223-1935	(209) 223-5366	mmorla@jacksoncasino.com	N	http://www.jacksoncasino.com/tribal	31-Jan-2023 20:48:30
Jamul Indian Village of California	Cumper	Lisa K.	THPO	PO Box 612	Jamul	CA	91935-0612	(619) 669-4855	(619) 669-4817	lcumper@jiv-nsn.gov	Y	http://jamulindianvillage.com/	31-Jan-2023 20:48:14
Jamul Indian Village of California	Pinto	Erica	Chairperson	PO Box 612	Jamul	CA	91935-0612	(619) 669-4785	(619) 669-4817	epinto@jamulindianvillage.com	N	http://jamulindianvillage.com/	31-Jan-2023 20:49:20
Kaibab Band of Paiute Indians of the Kaibab Indian Reservation, Arizona	Maldonado	Roland	Chairperson	HC 65, Box 2	Fredonia	AZ	86022-9600	(928) 643-7245	(888) 939-3777	rolandm@kaibabpaiute-nsn.gov	N	http://www.kaibabpaiute-nsn.gov	31-Jan-2023 20:50:50
Karuk Tribe	Attebery	Russell	Chairperson	PO Box 1016	Happy Camp	CA	96039-1016	(530) 493-5305	(530) 493-5322	battebery@karuk.us	N	http://www.karuk.us	31-Jan-2023 20:52:09
Karuk Tribe	Watts-Tobin	Alex	THPO	P.O. Box 1016	Happy Camp	CA	96039-1016	(530) 627-3446 x 3015	(530) 627-3448	atobin@karuk.us	Y	http://www.karuk.us	31-Jan-2023 20:52:09
Kashia Band of Pomo Indians of the Stewarts Point Rancheria, California	Franklin, Jr.	Dino	Chairperson	1420 Guerneville Road, Suite 1	Santa Rosa	CA	95403	(707) 591-0580	(707) 591-0583	vaughn@stewartspoint.org	N	http://stewartspoint.org/wp/	31-Jan-2023 20:52:10
Kashia Band of Pomo Indians of the Stewarts Point Rancheria, California	Macias	Anthony	THPO	1420 Guerneville Road Suite #1	Santa Rosa	CA	95403	(707) 591-0580 x 103	(707) 591-0583	anthony@stewartspoint.org	Y	http://stewartspoint.org/wp/	31-Jan-2023 20:52:10
Klamath Tribes	Chocktoot	Perry	THPO	PO Box 436	Chiloquin	OR	97624	(541) 783-2219	(541) 783-2029	perry.chocktoot@klamathtribes.com	Y	http://www.klamathtribes.org	31-Jan-2023 20:53:11
Klamath Tribes	Gentry	Donald	Tribal Chairman	PO Box 436	Chiloquin	OR	97624	(541) 783-2219	(541) 783-2029	don.gentry@klamathtribes.com	N	http://www.klamathtribes.org	31-Jan-2023 20:53:12
Koi Nation of Northern California	Beltran	Darin	Chairperson	PO Box 3162	Santa Rosa	CA	95402-3162	(707) 575-5586	(707) 575-5506	kn@koination.com	N	http://www.koination.com	31-Jan-2023 20:51:11
Koi Nation of Northern California	Morgan	Rob	THPO	PO Box 3162	Santa Rosa	CA	95402	(707) 799-7904		robmorganthpo@koination.com	Y	http://www.koination.com	31-Jan-2023 20:51:18
La Jolla Band of Luiseno Indians, California	Rodriguez	Thomas	Chairperson	22000 Highway 76	Pauma Valley	CA	92061	(760) 742-3771	(760) 742-1704	thomas.rodriguez@lajolla-nsn.gov	N	http://www.lajollaindians.com	31-Jan-2023 20:51:19
La Posta Band of Diegueno Mission Indians of the La Posta Indian Reservation, California	Parada	Gwendolyn	Chairperson	8 Crestwood Road, Box 1	Boulevard	CA	91905	(619) 478-2113	(619) 478-2125	lp13boots@aol.com	N	http://www.lptribe.net	31-Jan-2023 20:51:19
Las Vegas Tribe of Paiute Indians of the Las Vegas Indian Colony, Nevada	Tso	Benny	Tribal Chairman	One Paiute Drive	Las Vegas	NV	89106	(702) 386-3926	(702) 383-4019	tfarber@lvpaiute.com	N	http://www.lvpaiutetribe.com/	31-Jan-2023 20:55:38
Lone Pine Paiute-Shoshone Tribe	Button	Richard	Chairperson	PO Box 747	Lone Pine	CA	93545-0747	(760) 876-1034	(760) 876-8302	chair@lppsr.org	N	http://www.lppsr.org/	31-Jan-2023 20:55:30
Los Coyotes Band of Cahuilla and Cupeno Indians, California	Chapparosa	Shane	Spokesperson	PO Box 189	Warner Springs	CA	92086-0189	(760) 782-0711	(760) 782-2701	los_coyotes@ymail.com	N	http://www.loscoyotes.info	31-Jan-2023 20:55:30
Lytton Rancheria of California	Mejia	Margie	Chairperson	437 Aviation Blvd	Santa Rosa	CA	95403	(707) 575-5917	(707) 575-6974		N		31-Jan-2023 20:56:28
Manchester Band of Pomo Indians of the Manchester Rancheria, California	Cobarrubia	Jaime	Chairperson	PO Box 623	Point Arena	CA	95468-0623	(707) 882-2788	(707) 882-3417	jaimecobarrubia@yahoo.com	N		31-Jan-2023 20:56:36
Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation, California	Haws	Lisa	THPO	PO Box 1302	Boulevard	CA	91905-1302	(619) 766-4930	(619) 766-4957	lisahaws@msn.com	N		31-Jan-2023 20:57:09
Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation, California	Santos	Angela	Chairperson	PO Box 1302	Boulevard	CA	91905-1302	(619) 766-4930	(619) 766-4957	ljbirdsinger@aol.com	N		31-Jan-2023 20:56:37
Mechoopda Indian Tribe of Chico Rancheria, California	McHenry	Kyle	THPO	125 Mission Ranch Boulevard	Chico	CA	95926	(530) 924-2705	(530) 899-8517	kmchenry@mechoopda-nsn.gov	Y	http://www.mechoopda-nsn.gov	31-Jan-2023 20:58:04
Mechoopda Indian Tribe of Chico Rancheria, California	Ramirez	Dennis	Chairperson	125 Mission Ranch Boulevard	Chico	CA	95926	(530) 899-8922	(530) 899-8517	dramirez@mechoopda-nsn.gov	N	http://www.mechoopda-nsn.gov	31-Jan-2023 20:58:04
Mesa Grande Band of Diegueno Mission Indians of the Mesa Grande Reservation, California	Linton	Michael	Chairperson	PO Box 267	Santa Ysabel	CA	92070-0267	(760) 782-3818	(760) 782-9029	chairmanlinton@mesagrandeband-nsn.gov	N	http://mesagrandeband-nsn.gov/	31-Jan-2023 20:59:12
Middletown Rancheria of Pomo Indians of California	Rivera	Michael	THPO	PO Box 1035	Middletown	CA	95461-1035	(707) 987-1307	(707) 987-9091	mlrivera@middletownrancheria.com	Y	https://sites.google.com/site/middletowntribeorg/	31-Jan-2023 21:01:31
Middletown Rancheria of Pomo Indians of California	Simon	Jose	Chairperson	PO Box 1035	Middletown	CA	95461-1035	(707) 987-3670	(707) 987-9091	tc@middletownrancheria.com	N	https://sites.google.com/site/middletowntribeorg/	31-Jan-2023 21:01:31
Moapa Band of Paiute Indians of the Moapa River Indian Reservation, Nevada	Daboda	Darren	Chairperson	One Lincoln Street	Moapa	NV	89025-0340	(702) 865-2787	(702) 865-2875	d_daboda@yahoo.com	N	http://www.moapapaiutes.com/Default.htm	31-Jan-2023 21:05:54
Moapa Band of Paiute Indians of the Moapa River Indian Reservation, Nevada	Daboda	Darren	THPO	One Lincoln Street	Moapa	NV	89025-0340	(702) 277-4977		å moapathpo@moapabandofpaiutes.org	N	http://www.moapapaiutes.com/Default.htm	31-Jan-2023 21:05:54
Mooretown Rancheria of Maidu Indians of California	Archuleta	Gary	Chairperson	1 Alverda Drive	Oroville	CA	95966	(530) 533-3625	(530) 533-3680	gwarchuleta@mooretown.org	N	http://www.mooretownrancheria.org/	31-Jan-2023 21:04:08
Mooretown Rancheria of Maidu Indians of California	Hatcher	Matthew	Tribal Historic Preservation Officer	1 Alverda Drive	Oroville	CA	95966	(530) 533-3625	(530) 533-3680	matthew.hatcher@mooretown.org	N	http://www.mooretownrancheria.org/	31-Jan-2023 21:04:08
Morongo Band of Cahuilla Mission Indians, California	Brierty	Ann	THPO	12700 Pumarra Road	Banning	CA	92220	(951) 755-5259	(951) 572-6004	abrierty@morongo-nsn.gov	Y	http://www.morongonation.org	31-Jan-2023 21:04:43
Morongo Band of Cahuilla Mission Indians, California	Martin	Charles	Chairman	12700 Pumarra Road	Banning	CA	92220	(951) 849-4697	(951) 849-4425		N	http://www.morongonation.org	31-Jan-2023 21:04:43
Northfork Rancheria of Mono Indians of California	Fink	Elaine	Chairperson	PO Box 929	North Fork	CA	93643-0929	(559) 877-2461	(559) 877-2467	nfrancheria@northforkrancheria-nsn.gov	N	http://www.northforkrancheria.com	31-Jan-2023 21:07:31
Paiute Indian Tribe of Utah (Cedar Band of Paiutes, Kanosh Band of Paiutes, Koosharem Band of Paiutes, Indian Peaks Band of Paiutes, and Shivwits Band of Paiutes)	Martineau	Dorena	Cultural Resource Manager	440 North Paiute Drive	Cedar City	UT	84721-6181	(435) 586-1112	(435) 867-2659		N	http://www.utahpaiutes.org	31-Jan-2023 21:18:39
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada	Downs	Rochanne	THPO	8955 Mission Road	Fallon	NV	89406	775-423-8065	775-423-8067	clcdirector@fpst.org		http://www.fpst.org	31-Jan-2023 21:18:34
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada	George	Len	Chairperson	565 Rio Vista Drive	Fallon	NV	89406-6415	(775) 423-6075	(775) 423-5202	chairman@fpst.org	N	http://www.fpst.org	31-Jan-2023 21:18:34
Pala Band of Mission Indians	Gaughen	Shasta	THPO	35008 Pala Temecula Road, PMB 445	Pala	CA	92059	(760) 891-3591	(760) 742-4543	sgaughen@palatribe.com	Y	http://www.palatribe.com	31-Jan-2023 21:19:14
Pala Band of Mission Indians	Smith	Robert	Chairperson	35008 Pala Temecula Road, PMB 445	Pala	CA	92059	(760) 891-3518	(760) 742-1411	rsmith@palatribe.com	N	http://www.palatribe.com	31-Jan-2023 21:18:43
Paskenta Band of Nomlaki Indians of California	Freeman	Everett	Interim Chairperson	PO Box 709	Corning	CA	95963-0398	(530) 528-3538	(530) 528-3553		N	http://paskenta-nsn.gov/	31-Jan-2023 21:19:27
Pauma Band of Luiseno Mission Indians of the Pauma & Yuima Reservation, California	Majel	Randall	Chairperson	PO Box 369	Pauma Valley	CA	92061-0369	(760) 742-1289	(760) 742-3422	wdebell@pauma-nsn.gov	N	http://www.paumatribe.com	31-Jan-2023 21:19:59
Pechanga Band of Indians	DuBois	Gary	Director of Cultural Resources/THPO	P.O. Box 2183	Temecula	CA	92593-1477	(951) 770-8109	(951) 506-9491	jochoa@pechanga-nsn.gov	Y	http://www.pechanga-nsn.gov	31-Jan-2023 21:18:41
Pechanga Band of Indians	Macarro	Mark	Chairperson	PO Box 1477	Temecula	CA	92593-1477	(951) 770-6000	(951) 695-1778		N	http://www.pechanga-nsn.gov	31-Jan-2023 21:18:41
Picayune Rancheria of Chukchansi Indians of California	Airey	Heather	THPO	49260 Chapel Hill Drive	Oakhurst	CA	93644	(559) 676-9299	(559) 683-0599	hairey@chukchansi-nsn.gov	Y	https://chukchansitribe.net/	31-Jan-2023 21:20:57
Picayune Rancheria of Chukchansi Indians of California	Bill	Janet	Chairperson	P.O. Box 2226	Oakhurst	CA	93644	(559) 412-5590	(559) 440-6494	info@chukchansi-nsn.gov	N	https://chukchansitribe.net/	31-Jan-2023 21:20:57
Pinoleville Pomo Nation, California	James	Angela	THPO	500 B Pinoleville Drive	Ukiah	CA	95482	707-463-1454 ext. 120	(707) 463-6601	angelajames2276@yahoo.com	Y		31-Jan-2023 21:20:58
Pinoleville Pomo Nation, California	Williams	Leona	Chairperson	500-B Pinoleville Drive	Ukiah	CA	95482	(707) 463-1454	(707) 463-6601	leonaw@pinoleville-nsn.us	N		31-Jan-2023 21:20:57
Pit River Tribe, California	Forrest-Perez	Natalie	Interim THPO	36970 Park Avenue	Burney	CA	96013	(530) 335-5421 ext.1205	(530) 335-3140	thpo@pitrivertribe.org	Y	http://www.pitrivertribe.org	31-Jan-2023 21:20:58
Pit River Tribe, California	Gonzalez	Agnes	Chairperson	36970 Park Avenue	Burney	CA	96013	(530) 335-5421	(530) 335-3140	administrator@pitrivertribe.org	N	http://www.pitrivertribe.org	31-Jan-2023 21:21:37
Potter Valley Tribe, California	Rosales	Salvador	Chairperson	2251 S State Street	Ukiah	CA	95482	(707) 462-1213	(707) 462-1240	pvtchairman@pottervalleytribe.com	N	http://pottervalleytribe.com/	31-Jan-2023 21:20:55
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada	Aleck	Betty	THPO	208 Capitol Hill	Nixon	NV	89424-0256	(775) 574-1088	(775) 574-1090	thpo@plpt.nsn.us	Y	http://plpt.nsn.us	31-Jan-2023 21:20:33
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada	Hawley	Vinton	Chairperson	PO Box 256	Nixon	NV	89424-0256	(775) 574-1000	(775) 574-1008	vhawley@plpt.nsn.us	N	http://plpt.nsn.us	31-Jan-2023 21:20:34
Quartz Valley Indian Community of the Quartz Valley Reservation of California	Bennett	Frieda	Chairperson	13601 Quartz Valley Road	Fort Jones	CA	96032	(530) 468-5907	(530) 468-5908	tribalchairman@qvir-nsn.gov	N	http://www.qvir.com	31-Jan-2023 21:22:59
Quechan Tribe of the Fort Yuma Indian Reservation, California & Arizona	Escalanti	Keeny	President	350 Picacho Road	Winterhaven	CA	92283	(760) 572-0213	(760) 572-2102	m.emerson@quechantribe.com	N		31-Jan-2023 21:23:08
Quechan Tribe of the Fort Yuma Indian Reservation, California & Arizona	McCormick	H. Jill	THPO	350 Picacho Road	Winterhaven	CA	92283	(760) 572-2423	(760) 572-0515	a.kingery@quechantribe.com	Y		31-Jan-2023 21:23:00
Ramona Band of Cahuilla, California	Hamilton	Joseph	Chairperson	PO Box 391670	Anza	CA	92539-1670	(951) 763-4105	(951) 763-4325	admin@ramonatribe.com	N	http://www.ramona-nsn.gov	31-Jan-2023 21:25:13
Redding Rancheria, California	Potter	Jack	Chairman	2000 Redding Rancheria	Redding	CA	96001	(530) 225-8979	(530) 241-1879	melodiet@redding-rancheria.com	N	http://www.redding-rancheria.com	31-Jan-2023 21:24:48
Redwood Valley or Little River Band of Pomo Indians of the Redwood Valley Rancheria California	Ramirez	Debra	Chairperson	3250 Road I	Redwood Valley	CA	95470	(707) 485-0391	(707) 485-5727	tarvrancheria@comcast.net	N		31-Jan-2023 21:24:48
Reno-Sparks Indian Colony, Nevada	Eben	Michon	THPO	98 Colony Road	Reno	NV	89502	(775) 785-1326	(775) 789-5652	meben@rsic.org	Y	http://www.rsic.org	31-Jan-2023 21:25:30
Reno-Sparks Indian Colony, Nevada	Melendez	Arlan	Chairperson	98 Colony Road.	Reno	NV	89502	(775) 329-2936	(775) 329-8710	amelendez@rsic.org	N	http://www.rsic.org	31-Jan-2023 21:25:30
Resighini Rancheria, California	Dowd	Kathy	THPO	PO Box 529	Klamath	CA	95548-0529	(707) 954-7467		kathy.dowd@resighinirancheria.com	N	http://resighinirancheria.com	31-Jan-2023 21:25:33
Resighini Rancheria, California	Murphy	Fawn	Chairperson	PO Box 529	Klamath	CA	95548-0529	(707) 482-2431	(707) 482-3425	resighini@gmail.com	N	http://resighinirancheria.com	31-Jan-2023 21:25:33
Rincon Band of Luiseno Mission Indians of the Rincon Reservation, California	Madrigal	Cheryl	Cultural Resources Manager and Tribal Historic Preservation Officer	One Government Center Lane	Valley Center	CA	92082	(760) 297-2635	(760) 692-1498	cmadrigal@rincon-nsn.gov	Y	http://www.rincontribe.org	31-Jan-2023 21:25:33
Rincon Band of Luiseno Mission Indians of the Rincon Reservation, California	Mazzetti	Bo	Chairman	One Government Center Lane	Valley Center	CA	92082	(760) 749-1051	(760) 297-2339	bmazzetti@rincontribe.org	N	http://www.rincontribe.org	31-Jan-2023 21:25:33
Robinson Rancheria	Crandell, Sr.	Eddie	Chairperson	PO Box 428	Nice	CA	95464-0428	(707) 275-0527	(707) 275-0235	ej@rrrc.com	N	http://www.robinsonrancheria.org	31-Jan-2023 21:25:34
Round Valley Indian Tribes, Round Valley Reservation, California	Rabano	Patricia	Acting THPO	77826 Covelo Road	Covelo	CA	95428	(707) 354-8440		prabano@rvit.org	Y	http://www.rvit.org	31-Jan-2023 21:23:59
Round Valley Indian Tribes, Round Valley Reservation, California	Russ	James	President	77826 Covelo Road	Covelo	CA	95428	(707) 983-6126	(707) 983-6128	tribalcouncil@rvit.org	N	http://www.rvit.org	31-Jan-2023 21:23:28
San Manuel Band of Mission Indians, California	Clauss	Lee	Vice President of Tribal Affairs and THPO	26569 Community Center Drive	Highland	CA	92346	(909) 864-8933	(909) 863-0890	lclauss@sanmanuel-nsn.gov	N	http://www.sanmanuel-nsn.gov/	31-Jan-2023 21:28:12
San Manuel Band of Mission Indians, California	Valbuena	Lynn	Chairperson	26569 Community Center Drive	Highland	CA	92346	(909) 864-8933	(909) 863-0890		N	http://www.sanmanuel-nsn.gov/	31-Jan-2023 21:27:43
San Pasqual Band of Diegueno Mission Indians of California	Lawson	Allen	Spokesman	PO Box 365	Valley Center	CA	92082-0365	(760) 749-3200	(760) 749-3876	allenl@sanpasqualtribe.org	N	http://www.sanpasqualbandofmissionindians.org/	31-Jan-2023 21:28:13
San Pasqual Band of Diegueno Mission Indians of California	Morales Whitman	Desiree	THPO	P.O. Box 365 16400 Kumeyaay Way	Valley Center	CA	92082-0365	760-651-5142	(760) 749-3876	desireem@sanpasqualtribe.org	Y	http://www.sanpasqualbandofmissionindians.org/	31-Jan-2023 21:25:47
Santa Rosa Band of Cahuilla Indians, California	Marcus	John	Chairperson	PO Box 391820	Anza	CA	92539	(951) 659-2700	(951) 659-2228	jmarcus@santarosacahuilla-nsn.gov	N	http://www.santarosacahuilla-nsn.gov/	31-Jan-2023 21:25:48
Santa Rosa Indian Community of the Santa Rosa Rancheria, California	Sisco	Leo	Chairperson	PO Box 8	Lemoore	CA	93245-0008	(559) 924-1278	(559) 924-3583		N	http://www.tachi-yokut-nsn.gov/	31-Jan-2023 21:25:48
Santa Ynez Band of Chumash Mission Indians of the Santa Ynez Reservation, California	Armenta	Vincent	Chairperson	PO Box 517	Santa Ynez	CA	93460-0517	(805) 688-7997	(805) 686-9578	info@santaynezchumash.org	N	http://www.santaynezchumash.org	31-Jan-2023 21:25:48
Santa Ynez Band of Chumash Mission Indians of the Santa Ynez Reservation, California	Zavalla	Nakia	Cultural Director and THPO	PO Box 517	Santa Ynez	CA	93460-0517	(805) 688-7997		nzavalla@santaynezchumash.org	N	http://www.santaynezchumash.org	31-Jan-2023 21:25:48
Scotts Valley Band of Pomo Indians of California	Ray	Gabriel	Chairperson	1005 Parallel Drive	Lakeport	CA	95453	(707) 263-4220	(707) 263-4345	gray@svpomo.org	N		31-Jan-2023 21:28:51
Shoshone Tribe of the Wind River Reservation	Mann	Joshua	THPO	P.O. Box 538	Fort Washakie	WY	82514	307-335-2081	307-332-3055	jmann@easternshoshone.org	Y	http://www.easternshoshone.org/	25-Apr-2023 10:21:24
Soboba Band of Luiseno Indians, California	Morillo	Rosemary	Chairwoman	PO Box 487	San Jacinto	CA	92581-0487	(951) 654-2765	(951) 654-4198	rmorillo@soboba-nsn.gov	N	http://www.soboba-nsn.gov	31-Jan-2023 21:35:05
Soboba Band of Luiseno Indians, California	Ontiveros	Joseph	THPO	PO Box 487	San Jacinto	CA	92581-0487	(951) 654-2765 ext. 4137		jontiveros@soboba-nsn.gov	Y	http://www.soboba-nsn.gov	31-Jan-2023 21:35:05
Susanville Indian Rancheria, California	Hart	Arian	Chairperson	745 Joaquin Street	Susanville	CA	96130-3628	(530) 257-6264	(530) 257-7986	ahart@sir-nsn.gov	N	http://www.sir-nsn.gov	31-Jan-2023 21:33:50
Susanville Indian Rancheria, California	Johnson	Melany	THPO	745 Joaquin Street	Susanville	CA	96130	(530) 260-8814	(530) 251-5635	mjohnson@sir-nsn.gov	Y	http://www.sir-nsn.gov	31-Jan-2023 21:33:50
Sycuan Band of the Kumeyaay Nation	Martinez	Cody	Chairman	1 Kwaaypaay Court	El Cajon	CA	92019	(619) 445-2613	(619) 445-3016	ssilva@sycuan-nsn.gov	N	http://sycuantribe.org	31-Jan-2023 21:34:28
Table Mountain Rancheria	Lavell	Brenda	Chairperson	PO Box 410	Friant	CA	93626-0410	(559) 822-2587	(559) 822-2693		N		31-Jan-2023 21:34:28
Table Mountain Rancheria	Pennell	Bob	THPO	PO Box 410	Friant	CA	93626	(559) 325-0351	(559) 822-2693	courtenay@curyungtribe.com	Y		31-Jan-2023 21:34:28
Te-Moak Tribe of Western Shoshone Indians of Nevada (Four constituent bands: Battle Mountain Band; Elko Band; South Fork Band and Wells Band)	Gonzales	Davis	Chairperson	525 Sunset Street	Elko	NV	89801	(775) 738-9251	(775) 738-2345	tmkchairman@elko-nv.com	N	http://www.temoaktribe.com	31-Jan-2023 21:35:01
Tejon Indian Tribe	Montes Morgan	Kathryn	Chairperson	1731 Hasti-Acres Drive, Suite #108	Bakersfield	CA	93309	661 834 8566	661 834 8564	kmorgan@tejontribe.net	N	http://www.tejonranch.com	31-Jan-2023 21:35:10
Timbisha Shoshone Tribe	Durham	Barbara	THPO	621 W. Line St., Suite #109	Bishop	CA	93514	(760) 258-7161	(760) 872-3670	thpo@timbisha.com	Y	http://www.timbisha.com	31-Jan-2023 21:34:14
Timbisha Shoshone Tribe	Gholson	George	Chairperson	PO Box 1779	Bishop	CA	93515-1779	(760) 872-3614	(760) 872-3670	george@timbisha.com	N	http://www.timbisha.com	31-Jan-2023 21:34:15
Tolowa Dee-ni' Nation	O'Connell	Amanda	THPO	140 Rowdy Creek Road	Smith River	CA	95567-9525	(707) 487-9255 ext. 1174	(707) 487-0930	amanda.oconnell@tolowa.com	Y	http://www.tolowa-nsn.gov	31-Jan-2023 21:35:48
Tolowa Dee-ni' Nation	Thompson	Jeri	Chairperson	140 Rowdy Creek Road	Smith River	CA	95567-9446	(707) 487-0930	(707) 487-0930	troy.ralstin@tolowa.com	N	http://www.tolowa-nsn.gov	31-Jan-2023 21:35:48
Torres Martinez Desert Cahuilla Indians, California	Resvaloso	Mary	Chairperson	PO Box 1160	Thermal	CA	92274-1160	(760) 397-0300	(760) 397-8146	tmchair@tmdci.org	N	http://www.torresmartinez.org	31-Jan-2023 21:36:09
Tule River Indian Tribe of the Tule River Reservation, California	Peyron	Neil	Chairperson	PO Box 589	Porterville	CA	93258-0589	(559) 781-4271	(559) 781-4610	neil.peyron@tulerivertribe-nsn.gov	N	http://www.tulerivertribe-nsn.gov	31-Jan-2023 21:35:31
Tuolumne Band of Me-Wuk Indians of the Tuolumne Rancheria of California	Day	Kevin	Chairperson	PO Box 699	Tuolumne	CA	95379-0699	(209) 928-5300	(209) 928-1677	kday@mewuk.com	N	http://www.mewuk.com	31-Jan-2023 21:36:04
Twenty-Nine Palms Band of Mission Indians of California	Madrigal	Anthony	Tribal Historic Preservation Officer	46-200 Harrison Place	Coachella	CA	92236	(760) 702-0679	(760) 863-2449	amadrigal@29palmsbomi-nsn.gov	Y	http://29palmstribe.com/history.html	31-Jan-2023 21:36:04
Twenty-Nine Palms Band of Mission Indians of California	Mike	Darrell	Chairperson	46-200 Harrison Place	Coachella	CA	92236	(760) 863-2444	(760) 863-2449	lthomas@29palmsbomi-nsn.gov	N	http://29palmstribe.com/history.html	31-Jan-2023 21:36:04
United Auburn Indian Community of the Auburn Rancheria of California	Moore	Matthew	THPO	10720 Indian Hill Road	Auburn	CA	95603	(530) 883-2320	(530) 885-5476	thpo@auburnrancheria.com	Y	http://www.auburnrancheria.com	31-Jan-2023 21:36:05
United Auburn Indian Community of the Auburn Rancheria of California	Whitwhouse	Gene	Chairperson	10720 Indian Hill Road	Auburn	CA	95603-9403	(530) 883-2390	(530) 883-2380		N	http://www.auburnrancheria.com	31-Jan-2023 21:36:05
Utu Utu Gwaitu Paiute Tribe of the Benton Paiute Reservation, California	Saulque	Shane	Chairperson	25669 Hwy 6, PMB I	Benton	CA	93512	(760) 933-2321	(760) 933-2412	shanesaulque@hotmail.com	N	http://bentonpaiutereservation.org	31-Jan-2023 21:37:32
Viejas (Baron Long) Group of Capitan Grande Band of Mission Indians of the Viejas Reservation	Welch	Robert	Chairperson	PO Box 908	Alpine	CA	91903-0908	(619) 445-3810	(619) 445-5337	rwelch@viejas-nsn.gov	N	http://viejasbandofkumeyaay.org	31-Jan-2023 21:37:39
Walker River Paiute Tribe of the Walker River Reservation, Nevada	Benner	Misty	THPO	PO Box 220	Schurz	NV	00000	(775) 276-7970		numuyadua@hotmail.com	N	http://www.wrpt.us/	31-Jan-2023 21:38:16
Walker River Paiute Tribe of the Walker River Reservation, Nevada	Torres	Amber	Chairperson	PO Box 220	Schurz	NV	89427-0220			chairman@wrpt.us	N	http://www.wrpt.us/	31-Jan-2023 21:38:17
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	Cruz	Darrel	THPO	919 Highway 395 South	Gardnerville	NV	89410	(775) 265-8600 Ext. 10714	(775) 888-0937	darrel.cruz@washoetribe.us	Y	https://www.washoetribe.us/contents/	31-Jan-2023 21:36:32
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	Mortimer	Neil	Chairperson	919 Highway 395 South	Gardnerville	NV	89410	(775) 265-4191	(775) 265-6240	neil.mortimer@washoetribe.us	N	https://www.washoetribe.us/contents/	31-Jan-2023 21:36:32
Wilton Rancheria, California	Hitchcock	Raymond	Acting Chairperson	9728 Kent Street	Elk Grove	CA	95624	(916) 683-6000 ext. 2009	(916) 683-6015	rhitchcock@wiltonrancheria-nsn.gov	N	http://www.wiltonrancheria-nsn.gov	31-Jan-2023 21:39:35
Wilton Rancheria, California	Hutchason	Steven	THPO	9728 Kent Street	Elk Grove	CA	95624	(916) 683-6000 ext. 2006		shutchason@wiltonrancheria-nsn.gov	Y	http://www.wiltonrancheria-nsn.gov	31-Jan-2023 21:39:27
Wiyot Tribe, California	Hernandez	Ted	Chairperson	1000 Wiyot Drive	Loleta	CA	95551	(707) 733-5055 ext. 107	(707) 733-5601	ted@wiyot.us	N	http://www.wiyot.us/	31-Jan-2023 21:40:50
Wiyot Tribe, California	Hernandez	Ted	Cultural Director & THPO	1000 Wiyot Drive	Loleta	CA	95551	(707) 733-5055 ext. 107	(707) 733-5601	ted@wiyot.us	Y	http://www.wiyot.us/	31-Jan-2023 21:40:50
Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada	Howard	Linda	Chairperson	171 Campbell Lane	Yerington	NV	89447	(775) 463-3301	(775) 463-2416	lhoward@ypt-nsn.gov	N	http://www.ypt-nsn.gov/joomla/	31-Jan-2023 21:41:17
Yocha Dehe Wintun Nation, California	Kinter	James	THPO	PO Box 18	Brooks	CA	95606	(530) 796-3400	(530) 796-2143	lbill@yochadehe-nsn.gov	Y	http://www.yochadehe.org/	31-Jan-2023 21:41:21
Yocha Dehe Wintun Nation, California	Roberts	Anthony	Chairperson	PO Box 18	Brooks	CA	95606-0018	(530) 796-3400	(530) 796-2143	info@yochadehe-nsn.gov	N	http://www.yochadehe.org/	31-Jan-2023 21:41:21
Yurok Tribe of the Yurok Reservation, California	Clayburn	Rose	Tribal Heritage Preservation Officer	PO Box 1027	Klamath	CA	95548	(707) 482 1350 x 1309	(530) 625-4148	rclayburn@yuroktribe.nsn.us	Y	http://www.yuroktribe.org/	31-Jan-2023 21:41:25
Yurok Tribe of the Yurok Reservation, California	James	Joseph	Chairperson	190 Klamath Boulevard	Klamath	CA	95548	(707) 482-1350	(707) 482-1377	council@yuroktribe.nsn.gov	N	http://www.yuroktribe.org/	25-Apr-2023 14:45:35

	Preferred Method of Initial Contact				Applicable categories of HUD-assisted projects that Tribes DO NOT wish to review						
Tribal Name	Email	Phone	Mail	Other Contact	Other Contact Description	New Construction	Exterior Physical Changes	Projects on tribal Lands of Other Tribes	Ground Breaking Activity	Other Projects	Other Projects Description	Last Update Datetime
Absentee-Shawnee Tribe of Indians of Oklahoma												
Agua Caliente Band of Cahuilla Indians of the Agua Caliente Indian Reservation, California												
Alturas Indian Rancheria, California												
Augustine Band of Cahuilla Indians, California												
Barona Group of Capitan Grande Band of Mission Indians of the Barona Reservation, California												
Bear River Band of the Rohnerville Rancheria, California												
Big Sandy Rancheria of Western Mono Indians of California												
Bishop Paiute Tribe												
Bridgeport Indian Colony												
Buena Vista Rancheria of Me-Wuk Indians of California												
Cabazon Band of Mission Indians, California												
Cachil DeHe Band of Wintun Indians of the Colusa Indian Community of the Colusa Rancheria, California												
Cahto Tribe of the Laytonville Rancheria												
Cahuilla Band of Indians												
California Valley Miwok Tribe, California												
Campo Band of Diegueno Mission Indians of the Campo Indian Reservation, California												
Capitan Grande Band of Diegueno Mission Indians of California												
Cedarville Rancheria, California												
Chemehuevi Indian Tribe of the Chemehuevi Reservation, California												
Cher-Ae Heights Indian Community of the Trinidad Rancheria, California												
Chicken Ranch Rancheria of Me-Wuk Indians of California												
Cloverdale Rancheria of Pomo Indians of California												
Cold Springs Rancheria of Mono Indians of California												
Colorado River Indian Tribes of the Colorado River Indian Reservation, Arizona and California												
Confederated Tribes of Siletz Indians of Oregon												
Confederated Tribes of the Grand Ronde Community of Oregon												
Cortina Indian Rancheria												
Coyote Valley Band of Pomo Indians of California												
Dry Creek Rancheria Band of Pomo Indians, California												
Elem Indian Colony of Pomo Indians of the Sulphur Bank Rancheria, California												
Elk Valley Rancheria, California												
Enterprise Rancheria of Maidu Indians of California												
Ewiiaapaayp Band of Kumeyaay Indians, California												
Federated Indians of Graton Rancheria, California												
Fort Bidwell Indian Community of the Fort Bidwell Reservation of California												
Fort Independence Indian Community of Paiute Indians of the Fort Independence Reservation, California												
Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon												
Fort McDowell Yavapai Nation, Arizona												
Fort Mojave Indian Tribe of Arizona, California & Nevada												
Grindstone Indian Rancheria of Wintun-Wailaki Indians of California												
Hoopa Valley Tribe, California												
Hopland Band of Pomo Indians, California												
Ipay Nation of Santa Ysabel, California												
Inaja Band of Diegueno Mission Indians of the Inaja and Cosmit Reservation, California												
Ione Band of Miwok Indians of California												
Jackson Band of Miwuk Indians												
Jamul Indian Village of California												
Kaibab Band of Paiute Indians of the Kaibab Indian Reservation, Arizona												
Karuk Tribe												
Kashia Band of Pomo Indians of the Stewarts Point Rancheria, California												
Klamath Tribes												
Koi Nation of Northern California												
La Jolla Band of Luiseno Indians, California												
La Posta Band of Diegueno Mission Indians of the La Posta Indian Reservation, California												
Las Vegas Tribe of Paiute Indians of the Las Vegas Indian Colony, Nevada												
Lone Pine Paiute-Shoshone Tribe												
Los Coyotes Band of Cahuilla and Cupeno Indians, California												
Lytton Rancheria of California												
Manchester Band of Pomo Indians of the Manchester Rancheria, California												
Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation, California												
Mechoopda Indian Tribe of Chico Rancheria, California												
Mesa Grande Band of Diegueno Mission Indians of the Mesa Grande Reservation, California												
Middletown Rancheria of Pomo Indians of California												
Moapa Band of Paiute Indians of the Moapa River Indian Reservation, Nevada												
Mooretown Rancheria of Maidu Indians of California												
Morongo Band of Cahuilla Mission Indians, California												
Northfork Rancheria of Mono Indians of California												
Paiute Indian Tribe of Utah (Cedar Band of Paiutes, Kanosh Band of Paiutes, Koosharem Band of Paiutes, Indian Peaks Band of Paiutes, and Shivwits Band of Paiutes)												
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada												
Pala Band of Mission Indians												
Paskenta Band of Nomlaki Indians of California												
Pauma Band of Luiseno Mission Indians of the Pauma & Yuima Reservation, California												
Pechanga Band of Indians												
Picayune Rancheria of Chukchansi Indians of California												
Pinoleville Pomo Nation, California												
Pit River Tribe, California												
Potter Valley Tribe, California												
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada												
Quartz Valley Indian Community of the Quartz Valley Reservation of California												
Quechan Tribe of the Fort Yuma Indian Reservation, California & Arizona												
Ramona Band of Cahuilla, California												
Redding Rancheria, California												
Redwood Valley or Little River Band of Pomo Indians of the Redwood Valley Rancheria California												
Reno-Sparks Indian Colony, Nevada												
Resighini Rancheria, California												
Rincon Band of Luiseno Mission Indians of the Rincon Reservation, California												
Robinson Rancheria												
Round Valley Indian Tribes, Round Valley Reservation, California												
San Manuel Band of Mission Indians, California												
San Pasqual Band of Diegueno Mission Indians of California												
Santa Rosa Band of Cahuilla Indians, California												
Santa Rosa Indian Community of the Santa Rosa Rancheria, California												
Santa Ynez Band of Chumash Mission Indians of the Santa Ynez Reservation, California												
Scotts Valley Band of Pomo Indians of California												
Shoshone Tribe of the Wind River Reservation												
Soboba Band of Luiseno Indians, California												
Susanville Indian Rancheria, California												
Sycuan Band of the Kumeyaay Nation												
Table Mountain Rancheria												
Te-Moak Tribe of Western Shoshone Indians of Nevada (Four constituent bands: Battle Mountain Band; Elko Band; South Fork Band and Wells Band)												
Tejon Indian Tribe												
Timbisha Shoshone Tribe												
Tolowa Dee-ni' Nation												
Torres Martinez Desert Cahuilla Indians, California												
Tule River Indian Tribe of the Tule River Reservation, California												
Tuolumne Band of Me-Wuk Indians of the Tuolumne Rancheria of California												
Twenty-Nine Palms Band of Mission Indians of California												
United Auburn Indian Community of the Auburn Rancheria of California												
Utu Utu Gwaitu Paiute Tribe of the Benton Paiute Reservation, California												
Viejas (Baron Long) Group of Capitan Grande Band of Mission Indians of the Viejas Reservation												
Walker River Paiute Tribe of the Walker River Reservation, Nevada												
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)												
Wilton Rancheria, California												
Wiyot Tribe, California												
Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada												
Yocha Dehe Wintun Nation, California												
Yurok Tribe of the Yurok Reservation, California												

Tribal Name	State Name	County Name	Last Update Datetime
Absentee-Shawnee Tribe of Indians of Oklahoma	California	Lake	25-Apr-2023 13:41:22
Absentee-Shawnee Tribe of Indians of Oklahoma	California	Mendocino	25-Apr-2023 13:41:22
Absentee-Shawnee Tribe of Indians of Oklahoma	California	Sonoma	25-Apr-2023 13:41:22
Agua Caliente Band of Cahuilla Indians of the Agua Caliente Indian Reservation, California	California	Riverside	25-Apr-2023 14:14:52
Alturas Indian Rancheria, California	California	Modoc	25-Apr-2023 14:39:15
Augustine Band of Cahuilla Indians, California	California	Riverside	31-Jan-2023 20:17:28
Barona Group of Capitan Grande Band of Mission Indians of the Barona Reservation, California	California	San Diego	31-Jan-2023 20:17:38
Bear River Band of the Rohnerville Rancheria, California	California	Humboldt	25-Apr-2023 14:50:29
Big Sandy Rancheria of Western Mono Indians of California	California	Fresno	31-Jan-2023 20:16:45
Big Sandy Rancheria of Western Mono Indians of California	California	Madera	31-Jan-2023 20:16:45
Bishop Paiute Tribe	California	Inyo	31-Jan-2023 20:16:45
Bridgeport Indian Colony	California	Mono	31-Jan-2023 20:16:57
Buena Vista Rancheria of Me-Wuk Indians of California	California	Amador	31-Jan-2023 20:16:58
Buena Vista Rancheria of Me-Wuk Indians of California	California	Sacramento	31-Jan-2023 20:16:58
Buena Vista Rancheria of Me-Wuk Indians of California	California	San Joaquin	31-Jan-2023 20:16:58
Cabazon Band of Mission Indians, California	California	Riverside	31-Jan-2023 20:16:20
Cachil DeHe Band of Wintun Indians of the Colusa Indian Community of the Colusa Rancheria, California	California	Colusa	31-Jan-2023 20:16:20
Cahto Tribe of the Laytonville Rancheria	California	Mendocino	31-Jan-2023 20:20:46
Cahuilla Band of Indians	California	Riverside	31-Jan-2023 20:20:46
California Valley Miwok Tribe, California	California	Alameda	31-Jan-2023 20:20:03
California Valley Miwok Tribe, California	California	Alpine	31-Jan-2023 20:20:10
California Valley Miwok Tribe, California	California	Calaveras	31-Jan-2023 20:20:11
California Valley Miwok Tribe, California	California	Contra Costa	31-Jan-2023 20:20:10
California Valley Miwok Tribe, California	California	Fresno	31-Jan-2023 20:20:03
California Valley Miwok Tribe, California	California	Madera	31-Jan-2023 20:20:02
California Valley Miwok Tribe, California	California	San Joaquin	31-Jan-2023 20:20:11
California Valley Miwok Tribe, California	California	Solano	31-Jan-2023 20:20:03
California Valley Miwok Tribe, California	California	Stanislaus	31-Jan-2023 20:20:10
Campo Band of Diegueno Mission Indians of the Campo Indian Reservation, California	California	San Diego	31-Jan-2023 20:20:11
Capitan Grande Band of Diegueno Mission Indians of California	California	San Diego	31-Jan-2023 20:20:11
Cedarville Rancheria, California	California	Modoc	31-Jan-2023 20:19:55
Chemehuevi Indian Tribe of the Chemehuevi Reservation, California	California	San Bernardino	31-Jan-2023 20:19:56
Cher-Ae Heights Indian Community of the Trinidad Rancheria, California	California	Humboldt	31-Jan-2023 20:20:23
Chicken Ranch Rancheria of Me-Wuk Indians of California	California	Tuolumne	31-Jan-2023 20:24:49
Cloverdale Rancheria of Pomo Indians of California	California	Mendocino	31-Jan-2023 20:28:51
Cloverdale Rancheria of Pomo Indians of California	California	Sonoma	31-Jan-2023 20:28:51
Cold Springs Rancheria of Mono Indians of California	California	Fresno	31-Jan-2023 20:27:04
Colorado River Indian Tribes of the Colorado River Indian Reservation, Arizona and California	California	Imperial	31-Jan-2023 20:27:47
Colorado River Indian Tribes of the Colorado River Indian Reservation, Arizona and California	California	Riverside	31-Jan-2023 20:27:05
Colorado River Indian Tribes of the Colorado River Indian Reservation, Arizona and California	California	San Bernardino	31-Jan-2023 20:27:46
Confederated Tribes of Siletz Indians of Oregon	California	Del Norte	31-Jan-2023 20:31:40
Confederated Tribes of Siletz Indians of Oregon	California	Siskiyou	31-Jan-2023 20:31:00
Confederated Tribes of the Grand Ronde Community of Oregon	California	Del Norte	31-Jan-2023 20:31:12
Confederated Tribes of the Grand Ronde Community of Oregon	California	Modoc	31-Jan-2023 20:31:21
Confederated Tribes of the Grand Ronde Community of Oregon	California	Siskiyou	31-Jan-2023 20:31:54
Cortina Indian Rancheria	California	Colusa	31-Jan-2023 20:34:01
Coyote Valley Band of Pomo Indians of California	California	Mendocino	31-Jan-2023 20:36:43
Dry Creek Rancheria Band of Pomo Indians, California	California	Sonoma	31-Jan-2023 20:42:36
Elem Indian Colony of Pomo Indians of the Sulphur Bank Rancheria, California	California	Lake	31-Jan-2023 20:45:03
Elk Valley Rancheria, California	California	Del Norte	31-Jan-2023 20:45:04
Elk Valley Rancheria, California	California	Humboldt	31-Jan-2023 20:45:04
Elk Valley Rancheria, California	California	Siskiyou	31-Jan-2023 20:45:04
Enterprise Rancheria of Maidu Indians of California	California	Butte	31-Jan-2023 20:43:08
Enterprise Rancheria of Maidu Indians of California	California	Plumas	31-Jan-2023 20:43:08
Enterprise Rancheria of Maidu Indians of California	California	Sutter	31-Jan-2023 20:43:08
Enterprise Rancheria of Maidu Indians of California	California	Yuba	31-Jan-2023 20:43:08
Ewiiaapaayp Band of Kumeyaay Indians, California	California	Imperial	31-Jan-2023 20:43:09
Ewiiaapaayp Band of Kumeyaay Indians, California	California	San Diego	31-Jan-2023 20:43:09
Federated Indians of Graton Rancheria, California	California	Marin	31-Jan-2023 20:43:09
Federated Indians of Graton Rancheria, California	California	Sonoma	31-Jan-2023 20:43:46
Fort Bidwell Indian Community of the Fort Bidwell Reservation of California	California	Modoc	31-Jan-2023 20:45:59
Fort Independence Indian Community of Paiute Indians of the Fort Independence Reservation, California	California	Inyo	31-Jan-2023 20:46:00
Fort Independence Indian Community of Paiute Indians of the Fort Independence Reservation, California	California	Kern	31-Jan-2023 20:46:00
Fort Independence Indian Community of Paiute Indians of the Fort Independence Reservation, California	California	Mariposa	31-Jan-2023 20:46:01
Fort Independence Indian Community of Paiute Indians of the Fort Independence Reservation, California	California	Mono	31-Jan-2023 20:46:17
Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon	California	Alpine	31-Jan-2023 20:49:52
Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon	California	Fresno	31-Jan-2023 20:49:43
Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon	California	Inyo	31-Jan-2023 20:49:53
Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon	California	Lassen	31-Jan-2023 20:48:39
Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon	California	Modoc	31-Jan-2023 20:49:10
Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon	California	Mono	31-Jan-2023 20:49:11
Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon	California	Plumas	31-Jan-2023 20:48:40
Fort McDermitt Paiute and Shoshone Tribes of the Fort McDermitt Indian Reservation, Nevada and Oregon	California	Tulare	31-Jan-2023 20:49:10
Fort McDowell Yavapai Nation, Arizona	California	Riverside	31-Jan-2023 20:50:35
Fort McDowell Yavapai Nation, Arizona	California	San Bernardino	31-Jan-2023 20:50:35
Fort Mojave Indian Tribe of Arizona, California & Nevada	California	San Bernardino	31-Jan-2023 20:50:35
Grindstone Indian Rancheria of Wintun-Wailaki Indians of California	California	Butte	31-Jan-2023 20:47:58
Grindstone Indian Rancheria of Wintun-Wailaki Indians of California	California	Colusa	31-Jan-2023 20:47:58
Grindstone Indian Rancheria of Wintun-Wailaki Indians of California	California	Glenn	31-Jan-2023 20:47:58
Grindstone Indian Rancheria of Wintun-Wailaki Indians of California	California	Lake	31-Jan-2023 20:47:58
Grindstone Indian Rancheria of Wintun-Wailaki Indians of California	California	Shasta	31-Jan-2023 20:47:58
Grindstone Indian Rancheria of Wintun-Wailaki Indians of California	California	Tehama	31-Jan-2023 20:47:58
Grindstone Indian Rancheria of Wintun-Wailaki Indians of California	California	Yolo	31-Jan-2023 20:47:59
Hoopa Valley Tribe, California	California	Humboldt	31-Jan-2023 20:48:15
Hopland Band of Pomo Indians, California	California	Mariposa	31-Jan-2023 20:49:38
Iipay Nation of Santa Ysabel, California	California	San Diego	31-Jan-2023 20:50:21
Inaja Band of Diegueno Mission Indians of the Inaja and Cosmit Reservation, California	California	San Diego	31-Jan-2023 20:50:21
Ione Band of Miwok Indians of California	California	Amador	31-Jan-2023 20:48:07
Jackson Band of Miwuk Indians	California	Amador	31-Jan-2023 20:48:30
Jackson Band of Miwuk Indians	California	Calaveras	31-Jan-2023 20:48:30
Jamul Indian Village of California	California	San Diego	31-Jan-2023 20:49:20
Kaibab Band of Paiute Indians of the Kaibab Indian Reservation, Arizona	California	Inyo	31-Jan-2023 20:51:29
Kaibab Band of Paiute Indians of the Kaibab Indian Reservation, Arizona	California	San Bernardino	31-Jan-2023 20:50:51
Karuk Tribe	California	Humboldt	31-Jan-2023 20:52:09
Karuk Tribe	California	Siskiyou	31-Jan-2023 20:52:10
Kashia Band of Pomo Indians of the Stewarts Point Rancheria, California	California	Sonoma	31-Jan-2023 20:52:10
Klamath Tribes	California	Modoc	31-Jan-2023 20:52:40
Klamath Tribes	California	Siskiyou	31-Jan-2023 20:50:43
Koi Nation of Northern California	California	Lake	31-Jan-2023 20:51:18
Koi Nation of Northern California	California	Sonoma	31-Jan-2023 20:51:18
La Jolla Band of Luiseno Indians, California	California	San Diego	31-Jan-2023 20:51:19
La Posta Band of Diegueno Mission Indians of the La Posta Indian Reservation, California	California	San Diego	31-Jan-2023 20:51:19
Las Vegas Tribe of Paiute Indians of the Las Vegas Indian Colony, Nevada	California	Inyo	31-Jan-2023 20:55:11
Las Vegas Tribe of Paiute Indians of the Las Vegas Indian Colony, Nevada	California	San Bernardino	31-Jan-2023 20:55:11
Lone Pine Paiute-Shoshone Tribe	California	Inyo	31-Jan-2023 20:55:30
Los Coyotes Band of Cahuilla and Cupeno Indians, California	California	Riverside	31-Jan-2023 20:55:30
Los Coyotes Band of Cahuilla and Cupeno Indians, California	California	San Bernardino	31-Jan-2023 20:55:30
Los Coyotes Band of Cahuilla and Cupeno Indians, California	California	San Diego	31-Jan-2023 20:55:30

Lytton Rancheria of California	California	Sonoma	31-Jan-2023 20:56:28
Manchester Band of Pomo Indians of the Manchester Rancheria, California	California	Mendocino	31-Jan-2023 20:56:36
Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation, California	California	Imperial	31-Jan-2023 20:57:09
Manzanita Band of Diegueno Mission Indians of the Manzanita Reservation, California	California	San Diego	31-Jan-2023 20:56:37
Mechoopda Indian Tribe of Chico Rancheria, California	California	Butte	31-Jan-2023 20:58:04
Mesa Grande Band of Diegueno Mission Indians of the Mesa Grande Reservation, California	California	San Diego	31-Jan-2023 20:59:12
Middletown Rancheria of Pomo Indians of California	California	Lake	31-Jan-2023 21:01:40
Middletown Rancheria of Pomo Indians of California	California	Napa	31-Jan-2023 21:03:56
Middletown Rancheria of Pomo Indians of California	California	Sonoma	31-Jan-2023 21:03:56
Moapa Band of Paiute Indians of the Moapa River Indian Reservation, Nevada	California	Inyo	31-Jan-2023 21:06:39
Moapa Band of Paiute Indians of the Moapa River Indian Reservation, Nevada	California	San Bernardino	31-Jan-2023 21:06:39
Mooretown Rancheria of Maidu Indians of California	California	Butte	31-Jan-2023 21:04:09
Mooretown Rancheria of Maidu Indians of California	California	Plumas	31-Jan-2023 21:04:09
Mooretown Rancheria of Maidu Indians of California	California	Sutter	31-Jan-2023 21:04:08
Mooretown Rancheria of Maidu Indians of California	California	Yuba	31-Jan-2023 21:04:43
Morongo Band of Cahuilla Mission Indians, California	California	Riverside	31-Jan-2023 21:04:43
Northfork Rancheria of Mono Indians of California	California	Madera	31-Jan-2023 21:07:31
Paiute Indian Tribe of Utah (Cedar Band of Paiutes, Kanosh Band of Paiutes, Koosharem Band of Paiutes, Indian Peaks Band of Paiutes, and Shivwits Band of Paiutes)	California	Inyo	31-Jan-2023 21:18:08
Paiute Indian Tribe of Utah (Cedar Band of Paiutes, Kanosh Band of Paiutes, Koosharem Band of Paiutes, Indian Peaks Band of Paiutes, and Shivwits Band of Paiutes)	California	San Bernardino	31-Jan-2023 21:18:48
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada	California	Alpine	31-Jan-2023 21:20:02
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada	California	Fresno	31-Jan-2023 21:20:01
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada	California	Inyo	31-Jan-2023 21:18:34
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada	California	Lassen	31-Jan-2023 21:20:11
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada	California	Modoc	31-Jan-2023 21:19:29
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada	California	Mono	31-Jan-2023 21:18:43
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada	California	Plumas	31-Jan-2023 21:18:43
Paiute-Shoshone Tribe of the Fallon Reservation and Colony, Nevada	California	Tulare	31-Jan-2023 21:20:02
Pala Band of Mission Indians	California	San Diego	31-Jan-2023 21:19:14
Paskenta Band of Nomlaki Indians of California	California	Glenn	31-Jan-2023 21:19:27
Pauma Band of Luiseno Mission Indians of the Pauma & Yuima Reservation, California	California	San Diego	31-Jan-2023 21:19:59
Pechanga Band of Indians	California	Riverside	31-Jan-2023 21:18:41
Pechanga Band of Indians	California	San Diego	31-Jan-2023 21:18:41
Picayune Rancheria of Chukchansi Indians of California	California	Madera	31-Jan-2023 21:20:57
Pinoleville Pomo Nation, California	California	Mendocino	31-Jan-2023 21:20:58
Pit River Tribe, California	California	Lassen	31-Jan-2023 21:20:58
Pit River Tribe, California	California	Modoc	31-Jan-2023 21:20:58
Pit River Tribe, California	California	Shasta	31-Jan-2023 21:21:06
Pit River Tribe, California	California	Siskiyou	31-Jan-2023 21:21:37
Potter Valley Tribe, California	California	Mendocino	31-Jan-2023 21:20:55
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada	California	Alpine	31-Jan-2023 21:20:48
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada	California	Fresno	31-Jan-2023 21:20:49
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada	California	Inyo	31-Jan-2023 21:20:49
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada	California	Lassen	31-Jan-2023 21:20:50
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada	California	Modoc	31-Jan-2023 21:20:49
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada	California	Mono	31-Jan-2023 21:20:50
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada	California	Plumas	31-Jan-2023 21:20:34
Pyramid Lake Paiute Tribe of the Pyramid Lake Reservation, Nevada	California	Tulare	31-Jan-2023 21:20:48
Quartz Valley Indian Community of the Quartz Valley Reservation of California	California	Siskiyou	31-Jan-2023 21:22:59
Quechan Tribe of the Fort Yuma Indian Reservation, California & Arizona	California	Imperial	31-Jan-2023 21:23:00
Quechan Tribe of the Fort Yuma Indian Reservation, California & Arizona	California	Riverside	31-Jan-2023 21:22:59
Ramona Band of Cahuilla, California	California	Riverside	31-Jan-2023 21:25:13
Redding Rancheria, California	California	Shasta	31-Jan-2023 21:24:48
Redwood Valley or Little River Band of Pomo Indians of the Redwood Valley Rancheria California	California	Mariposa	31-Jan-2023 21:24:57
Redwood Valley or Little River Band of Pomo Indians of the Redwood Valley Rancheria California	California	Mendocino	31-Jan-2023 21:24:48
Reno-Sparks Indian Colony, Nevada	California	Alpine	31-Jan-2023 21:25:40
Reno-Sparks Indian Colony, Nevada	California	Fresno	31-Jan-2023 21:24:57
Reno-Sparks Indian Colony, Nevada	California	Inyo	31-Jan-2023 21:25:00
Reno-Sparks Indian Colony, Nevada	California	Lassen	31-Jan-2023 21:25:30
Reno-Sparks Indian Colony, Nevada	California	Modoc	31-Jan-2023 21:25:40
Reno-Sparks Indian Colony, Nevada	California	Mono	31-Jan-2023 21:25:31
Reno-Sparks Indian Colony, Nevada	California	Plumas	31-Jan-2023 21:25:30
Reno-Sparks Indian Colony, Nevada	California	Tulare	31-Jan-2023 21:25:00
Resighini Rancheria, California	California	Del Norte	31-Jan-2023 21:25:33
Rincon Band of Luiseno Mission Indians of the Rincon Reservation, California	California	San Diego	31-Jan-2023 21:25:33
Robinson Rancheria	California	Lake	31-Jan-2023 21:25:34
Round Valley Indian Tribes, Round Valley Reservation, California	California	Mariposa	31-Jan-2023 21:23:59
San Manuel Band of Mission Indians, California	California	San Bernardino	31-Jan-2023 21:28:12
San Pasqual Band of Diegueno Mission Indians of California	California	Imperial	31-Jan-2023 21:25:48
San Pasqual Band of Diegueno Mission Indians of California	California	San Diego	31-Jan-2023 21:28:13
Santa Rosa Band of Cahuilla Indians, California	California	Riverside	31-Jan-2023 21:25:48
Santa Rosa Indian Community of the Santa Rosa Rancheria, California	California	Kings	31-Jan-2023 21:25:48
Santa Ynez Band of Chumash Mission Indians of the Santa Ynez Reservation, California	California	Santa Barbara	31-Jan-2023 21:25:48
Scotts Valley Band of Pomo Indians of California	California	Contra Costa	31-Jan-2023 21:28:51
Scotts Valley Band of Pomo Indians of California	California	Lake	31-Jan-2023 21:28:51
Scotts Valley Band of Pomo Indians of California	California	Mendocino	31-Jan-2023 21:28:51
Scotts Valley Band of Pomo Indians of California	California	Sonoma	31-Jan-2023 21:28:51
Shoshone Tribe of the Wind River Reservation	California	Butte	25-Apr-2023 10:21:24
Soboba Band of Luiseno Indians, California	California	Los Angeles	31-Jan-2023 21:35:05
Soboba Band of Luiseno Indians, California	California	Riverside	31-Jan-2023 21:35:05
Soboba Band of Luiseno Indians, California	California	San Bernardino	31-Jan-2023 21:35:05
Susanville Indian Rancheria, California	California	Lassen	31-Jan-2023 21:33:50
Susanville Indian Rancheria, California	California	Plumas	31-Jan-2023 21:33:50
Sycuan Band of the Kumeyaay Nation	California	San Diego	31-Jan-2023 21:34:28
Table Mountain Rancheria	California	Fresno	31-Jan-2023 21:34:28
Te-Moak Tribe of Western Shoshone Indians of Nevada (Four constituent bands: Battle Mountain Band; Elko Band; South Fork Band and Wells Band)	California	Inyo	31-Jan-2023 21:35:09
Te-Moak Tribe of Western Shoshone Indians of Nevada (Four constituent bands: Battle Mountain Band; Elko Band; South Fork Band and Wells Band)	California	Kern	31-Jan-2023 21:34:29
Tejon Indian Tribe	California	Kern	31-Jan-2023 21:35:10
Timbisha Shoshone Tribe	California	Inyo	31-Jan-2023 21:34:15
Tolowa Dee-ni' Nation	California	Del Norte	31-Jan-2023 21:35:56
Torres Martinez Desert Cahuilla Indians, California	California	Los Angeles	31-Jan-2023 21:36:09
Torres Martinez Desert Cahuilla Indians, California	California	Riverside	31-Jan-2023 21:36:09
Tule River Indian Tribe of the Tule River Reservation, California	California	Contra Costa	31-Jan-2023 21:36:10
Tule River Indian Tribe of the Tule River Reservation, California	California	Fresno	31-Jan-2023 21:35:31
Tule River Indian Tribe of the Tule River Reservation, California	California	Inyo	31-Jan-2023 21:35:31
Tule River Indian Tribe of the Tule River Reservation, California	California	Kern	31-Jan-2023 21:33:57
Tule River Indian Tribe of the Tule River Reservation, California	California	Kings	31-Jan-2023 21:35:32
Tule River Indian Tribe of the Tule River Reservation, California	California	Madera	31-Jan-2023 21:36:10
Tule River Indian Tribe of the Tule River Reservation, California	California	Mariposa	31-Jan-2023 21:35:31
Tule River Indian Tribe of the Tule River Reservation, California	California	Merced	31-Jan-2023 21:35:31
Tule River Indian Tribe of the Tule River Reservation, California	California	Monterey	31-Jan-2023 21:36:10
Tule River Indian Tribe of the Tule River Reservation, California	California	Sacramento	31-Jan-2023 21:33:49
Tule River Indian Tribe of the Tule River Reservation, California	California	San Joaquin	31-Jan-2023 21:33:49
Tule River Indian Tribe of the Tule River Reservation, California	California	San Luis Obispo	31-Jan-2023 21:35:32
Tule River Indian Tribe of the Tule River Reservation, California	California	Stanislaus	31-Jan-2023 21:35:31
Tule River Indian Tribe of the Tule River Reservation, California	California	Tulare	31-Jan-2023 21:35:31
Tule River Indian Tribe of the Tule River Reservation, California	California	Tuolumne	31-Jan-2023 21:36:10
Tuolumne Band of Me-Wuk Indians of the Tuolumne Rancheria of California	California	Calaveras	31-Jan-2023 21:36:04
Tuolumne Band of Me-Wuk Indians of the Tuolumne Rancheria of California	California	Mariposa	31-Jan-2023 21:36:04
Tuolumne Band of Me-Wuk Indians of the Tuolumne Rancheria of California	California	Stanislaus	31-Jan-2023 21:36:11

Tuolumne Band of Me-Wuk Indians of the Tuolumne Rancheria of California	California	Tuolumne	31-Jan-2023 21:36:11
Twenty-Nine Palms Band of Mission Indians of California	California	Imperial	31-Jan-2023 21:36:04
Twenty-Nine Palms Band of Mission Indians of California	California	Riverside	31-Jan-2023 21:36:04
Twenty-Nine Palms Band of Mission Indians of California	California	San Bernardino	31-Jan-2023 21:35:56
United Auburn Indian Community of the Auburn Rancheria of California	California	El Dorado	31-Jan-2023 21:36:05
United Auburn Indian Community of the Auburn Rancheria of California	California	Nevada	31-Jan-2023 21:34:03
United Auburn Indian Community of the Auburn Rancheria of California	California	Placer	31-Jan-2023 21:34:03
United Auburn Indian Community of the Auburn Rancheria of California	California	Sacramento	31-Jan-2023 21:34:03
United Auburn Indian Community of the Auburn Rancheria of California	California	Sutter	31-Jan-2023 21:36:05
United Auburn Indian Community of the Auburn Rancheria of California	California	Yuba	31-Jan-2023 21:34:03
Utu Utu Gwaitu Paiute Tribe of the Benton Paiute Reservation, California	California	Mono	31-Jan-2023 21:37:32
Viejas (Baron Long) Group of Capitan Grande Band of Mission Indians of the Viejas Reservation	California	San Diego	31-Jan-2023 21:37:39
Walker River Paiute Tribe of the Walker River Reservation, Nevada	California	Alpine	31-Jan-2023 21:38:44
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	California	Alpine	31-Jan-2023 21:37:45
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	California	Amador	31-Jan-2023 21:38:20
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	California	Calaveras	31-Jan-2023 21:38:20
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	California	El Dorado	31-Jan-2023 21:36:40
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	California	Lassen	31-Jan-2023 21:38:27
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	California	Mono	31-Jan-2023 21:38:27
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	California	Nevada	31-Jan-2023 21:38:27
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	California	Placer	31-Jan-2023 21:38:28
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	California	Plumas	31-Jan-2023 21:38:27
Washoe Tribe of Nevada & California (Carson Colony, Dresslerville Colony, Woodfords Community, Stewart Community, & Washoe Ranches)	California	Sierra	31-Jan-2023 21:37:51
Wilton Rancheria, California	California	Amador	31-Jan-2023 21:39:35
Wilton Rancheria, California	California	El Dorado	31-Jan-2023 21:39:35
Wilton Rancheria, California	California	Sacramento	31-Jan-2023 21:39:35
Wiyot Tribe, California	California	Humboldt	31-Jan-2023 21:40:50
Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada	California	Alpine	31-Jan-2023 21:41:18
Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada	California	Fresno	31-Jan-2023 21:41:19
Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada	California	Inyo	31-Jan-2023 21:41:17
Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada	California	Lassen	31-Jan-2023 21:41:18
Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada	California	Modoc	31-Jan-2023 21:41:20
Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada	California	Mono	31-Jan-2023 21:41:19
Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada	California	Plumas	31-Jan-2023 21:41:17
Yerington Paiute Tribe of the Yerington Colony and Campbell Ranch, Nevada	California	Tulare	31-Jan-2023 21:41:18
Yocha Dehe Wintun Nation, California	California	Yolo	31-Jan-2023 21:41:21
Yurok Tribe of the Yurok Reservation, California	California	Del Norte	25-Apr-2023 14:45:35
Yurok Tribe of the Yurok Reservation, California	California	Humboldt	25-Apr-2023 14:45:35

Attachment 11. Technical Noise Memorandum

DUDEK
605 NE 21ST AVE
PORTLAND, OREGON 97232
T 971.930.1700

MEMORANDUM

To:	Kristin Arakawa, Dudek
From:	Mike Greene, Dudek
Subject:	Collette's Children's Home HUD EA Noise Assessment
Date:	06/02/2023
cc:	Jonathan Rigg, Dudek
Attachment(s):	Figure 1, Project Location Figure 2, Noise Model Receiver Locations Attachment A; Traffic Noise Model Input/Output Data

This technical noise memo summarizes the results of the noise analysis conducted for onsite uses of the Collette's Children's Home Project; Orange County Public Works On-Call Master Services Agreement Contract MA-080-21010547 Project in Placentia, California.

1 Background

1.1 Project Description

The proposed affordable housing project would involve the construction of two one-bedroom apartment additions over the existing garage space at 1038 Cypress St. Addition of these new affordable housing units would increase the density of units onsite from four to six apartments. Renovation activities for the proposed project include demolition of the foundation beneath the garage and the garage itself, unit framing, installation of garage supports, staircase entry, utility connections, cabinets, flooring, water heaters and heating units, as well as painting of the interior and exterior of the new units. The proposed project is a partnership between Orange County (County), the City of Placentia (City), and Collette's Children's Home, a nonprofit focused on providing homeless single women and homeless mothers with children a safe home and nurturing environment where they obtain compassionate support and services needed to achieve self-sufficiency.

1.2 Noise Fundamentals and Terminology

Vibrations, traveling as waves through air from a source, exert a force perceived by the human ear as sound. Sound pressure level (referred to as sound level) is measured on a logarithmic scale in decibels (dB) that represent the fluctuation of air pressure above and below atmospheric pressure. Frequency, or pitch, is a physical characteristic of sound and is expressed in units of cycles per second or hertz (Hz). The normal frequency range of hearing for most people extends from about 20 to 20,000 Hz. The human ear is more sensitive to middle and high frequencies, especially when the noise levels are quieter. As noise levels get

louder, the human ear starts to hear the frequency spectrum more evenly. To accommodate for this phenomenon, a weighting system to evaluate how loud a noise level is to a human was developed. The frequency weighting called "A" weighting is typically used for quieter noise levels, which de-emphasizes the low-frequency components of the sound in a manner similar to the response of a human ear. This A-weighted sound level is called the "noise level" and is referenced in units of dBA.

Because sound is measured on a logarithmic scale, a doubling of sound energy results in a 3 dBA increase in the noise level. Changes in a community noise level of less than 3 dB are not typically noticed by the human ear (Caltrans 2013). Changes from 3 to 5 dB may be noticed by some individuals who are extremely sensitive to changes in noise. A 5 dB increase is readily noticeable. The human ear perceives a 10 dB increase in sound level as a doubling of the sound level (i.e., 65 dBA sounds twice as loud as 55 dBA to a human ear).

An individual's noise exposure occurs over a period of time; however, noise level is a measure of noise at a given instant in time. The equivalent continuous sound level (L_{eq}), also referred to as the average sound level, is a single number representing the fluctuating sound level in A-weighted decibels (dBA) over a specified period of time. It is a sound-energy average of the fluctuating level and is equal to a constant unchanging sound of that dB level. Community noise sources vary continuously, being the product of many noise sources at various distances, all of which constitute a relatively stable background or ambient noise environment.

Noise levels are generally higher during the daytime and early evening when traffic (including airplanes), commercial, and industrial activity is the greatest. However, noise sources experienced during nighttime hours when background levels are generally lower can be potentially more conspicuous and irritating to the receiver. In order to evaluate noise in a way that considers periodic fluctuations experienced throughout the day and night, a concept termed "community noise equivalent level" (CNEL) was developed, The CNEL scale represents a time-weighted 24-hour average noise level based on the A-weighted sound level. CNEL accounts for the increased noise sensitivity during the evening hours (7 p.m. to 10 p.m.) and nighttime hours (10 p.m. to 7 a.m.) by adding 5 dB to the average sound levels occurring during the evening hours and 10 dB to the sound levels occurring during nighttime hours. Additional noise definitions are provided below.

Ambient Noise Level. The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.

A-Weighted Sound Level (dBA). The sound pressure level in decibels as measured on a sound level meter using the A-weighted filter network. The A-weighting filter deemphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with community equivalent sound level.

Community Noise Equivalent Level (CNEL). CNEL is the A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during the nighttime hours (10 p.m.–7 a.m.) and 5 dB added to the sound during the evening hours (7 p.m.–10 p.m.).

Day Night Average Sound Level (DNL or L_{dn}). Similar to the CNEL noise metric, except that no penalty is added during the evening hours (7 p.m.–10 p.m.). Typically, the CNEL and L_{dn} noise metrics vary by approximately 1 decibel or less and are often considered to be functionally equivalent.

Decibel (dB). The decibel is a unit for measuring sound pressure level and is equal to 10 times the logarithm to the base 10 of the ratio of the measured sound pressure squared to a reference pressure, which is 20 micropascals.

2 Noise Analysis Methodology

2.1 Applicable Noise Standards

Because the proposed project may receive funding from the U.S. Department of Housing and Urban Development (HUD), the noise standards specified by HUD were used for this analysis. HUD's noise standards may be found in 24 CFR Part 51, Subpart B (CFR 2013). Exterior uses with a day night average sound level (DNL) of 65 dBA or less are considered normally acceptable. Sites at which the environmental or community noise exposure exceeds 65 decibels DNL are considered noise-impacted areas. For new construction proposed in high noise areas, grantees shall incorporate noise attenuation features to the extent required by HUD environmental criteria and standards contained in Subpart B (Noise Abatement and Control) of 24 CFR Part 51.

The "Normally Unacceptable" noise zone includes community noise levels from above 65 decibels to 75 decibels. Approvals in this noise zone require a minimum of 5 dB additional sound attenuation for buildings having noise-sensitive uses if the day-night average sound level is greater than 65 dBA but does not exceed 70 dBA, or a minimum of 10 decibels of additional sound attenuation if the day-night average sound level is greater than 70 dBA but does not exceed 75 dBA.

The interior noise standard is 45 dBA DNL.

2.2 Preliminary Noise Modeling

The primary noise source in the project vicinity is motor vehicle traffic. The eastern façade of the proposed residential units would face the southbound lanes of the SR-57 freeway, separated by an existing noise barrier (i.e., a soundwall) approximately 16 feet in height constructed at the Caltrans right-of-way (ROW). The other nearby roads are minor "feeder" streets which would have a negligible contribution to the on-site noise environment. The nearest active rail line is located approximately 0.8 miles away and the nearest airport, Fullerton Municipal Airport, is located approximately 5.8 miles away. Based upon the Airport Land Use Plan for Fullerton Municipal Airport (ALUC 2019), the airport's 60 dB CNEL noise contour is located approximately 5.7 miles from the project site. Thus, noise from the airport would have a negligible contribution to the on-site noise environment.

An initial noise analysis of traffic noise from the SR-57 carried out using HUD's DNL Calculator[1] indicated that worst-case exterior building façade noise levels would be approximately 81 dBA DNL. However,

[1] https://www.hudexchange.info/programs/environmental-review/dnl-calculator/

because the DNL Calculator does not account for site conditions such as the existing 16-foot high soundwall, this modeled noise level was deemed to be an overestimate and more detailed traffic noise model was used.

2.3 Detailed Noise Modeling

The proposed project site has several receiver locations of interest including multiple building exposures (i.e., rooms with exterior windows and doors facing north, south, east and west each two (2) stories high, with varying traffic noise exposures. No common use outdoor amenities areas are proposed as part of this project so none were modeled. Because of these factors, it was determined that the Federal Highway Administration's (FHWA) Traffic Noise Model (TNM) version 2.5 (FHWA 2004) would be ideal for a more detailed analysis. The TNM traffic noise prediction model calculates the noise levels based on specific information including traffic volumes, vehicle fleet mix, speed limits, roadway geometrics, receiver elevations, intervening structures and lateral distances between the noise receivers and the roadways.

Project site, surrounding structures and roadway geometry were input using aerial photography information upon which the project's site plan was overlain; this was subsequently digitized into the TNM model.

Modeled receiver locations (shown in Figure 2) consisted of the following:

- Proposed building façade exteriors with windows perpendicular to and facing SR-57, grouped by exposure (receiver R1 for the rooms facing east toward the SR-57; receivers R2 and R3 for the rooms with a northern exposure; receivers R4, R5 and R6 for the rooms with a southern exposure; and receiver R7 for the rooms with a western exposure);

In order to accurately estimate the project site's noise levels in terms of the 24-hour weighted DNL noise metric, the TNM model was run for three 1-hour traffic volume cases: AM/PM peak-hour (assumed to be approximately 10% of the roadways' Average Daily Traffic (ADT); off-peak daytime (assumed to be approximately 6% of ADT), and nighttime volumes (assumed to be approximately 15 % of ADT over the 9-hour period from 10 PM to 7 AM, per HUD noise modeling guidance) The 15% of ADT was then divided by 9, to arrive at the hourly average level suitable for input into TNM. The resultant traffic noise levels for each of these cases was then averaged in the energy (i.e., the logarithmic) domain after applying the 10-decibel noise "penalty" to the nighttime noise levels.

ADT volumes and truck mix percentages used for the analysis were from the Caltrans Traffic Operations Census Website (Caltrans 2023). The most recent traffic volume forecast available (Year 2021) was used as the basis to estimate future traffic volumes (10 years out from the Year 2024, the assumed year of occupancy). This was accomplished using an assumed increase rate of 1% per year. Thus, for example, the Year 2021 forecast average daily traffic volume of 279,000 for the relevant segment of SR-57 was calculated to be 317,528 by Year 2034. The modeled ADTs are shown in Table 1 below. Modeled traffic speeds were used based upon the posted roadway speed limits using Google Earth Street View.

Table 1 – Modeled Traffic Volumes

Modeled Roadway	Average Daily Traffic (ADT) Volume (Year 2034)
SR-57	317,528

Source: Caltrans (SR-57 volumes), adjusted to Year 2034.

3 Traffic Noise Analysis Results

The results of the traffic noise analysis for the modeled on-site receivers (shown in Figure 2) are summarized in Table 2. The modeled input and output data are provided in Attachment A. As shown in Table 2, the highest noise levels would occur at Receiver R7, which is representative of the habitable rooms facing east, and closest to the SR-57 freeway. At Receiver R7, the traffic noise levels at the building façade are predicted to range from 67 to 72 dBA DNL at the first and second floors, respectively. Thus, the exposure from traffic noise along SR-57 would exceed the HUD exterior noise standard of 65 dBA DNL by up to 7 dB at the façade of units nearest these roadways, putting these receivers in the "normally unacceptable" noise range. Receivers R2 through R7 would also exceed the HUD exterior noise standard of 65 dBA DNL at the second-floor level and would be in the "normally unacceptable" noise range. At the other portions of the building traffic noise levels would not exceed the HUD exterior noise standard of 65 dBA DNL.

Table 2 – Traffic Noise Level Results Summary (DNL (dBA))

Receiver #	1st-Floor	2nd-Floor
R1 - facing east	**67**	**72**
R2 - facing north	61	**70**
R3 - facing north	55	**67**
R4 - facing south	63	**71**
R5 - facing south	62	**69**
R6 -facing south	62	**67**
R7 - facing west	48	**66**

Source: Attachment A.

Note: **Bolded** numbers indicate that the noise levels exceed the HUD noise standard of 65 dBA DNL.

As detailed in Section 2.1, 24 CFR Part 51, Subpart B states that sites at which environmental or community noise exposure exceeds the day night average sound level (DNL) of 65 dBA are considered to be noise-impacted. For new construction proposed in high noise areas, grantees shall incorporate noise attenuation features to the extent required. Approvals in the "normally unacceptable" noise zone require a minimum of 5 dB additional sound attenuation for buildings having noise-sensitive uses if the day-night

average sound level is greater than 65 dBA but does not exceed 70 dBA, or a minimum of 10 decibels of additional sound attenuation if the day-night average sound level is greater than 70 dBA but does not exceed 75 dBA.

Typical new construction of multi-family homes with windows closed provides a minimum of 25 dB exterior to interior noise reduction. All residential units will be equipped with a forced air heating ventilation air conditioning (HVAC) unit that allows for a "windows closed" condition (i.e., windows do not need to be left open for ventilation). As such, the interiors of the proposed habitable rooms with doors or windows facing eest, toward SR-57 are anticipated to have noise levels of approximately 47 dBA DNL (i.e. 72 dBA exterior – 25 dBA attenuation = 47 dBA interior). The interiors of the proposed habitable rooms facing north and south, with perpendicular exposures to SR-57 are anticipated to have noise levels of as much as 46 dBA DNL (i.e. 71 dBA exterior – 25 dBA attenuation = 46 dBA interior) or less. Nonetheless, in order to ensure compliance with 24 CFR Part 51, Subpart B and that the HUD noise standard of 45 dBA DNL is not exceeded, the detailed architectural design plans (when these are prepared) shall provide the following specification for upgraded windows:

- All windows and doors in the north and east-facing residential units on the second floor shall have a Sound Transmission Class (STC) rating of 35 or greater.
- All windows and doors in the south-facing residential units on the second floor shall have a Sound Transmission Class (STC) rating of 30 or greater.
- All windows and doors in the east-facing residential units on the first floor shall have a Sound Transmission Class (STC) rating of 30 or greater.

Please see Table 3. With implementation of this requirement the proposed project would not exceed the HUD interior noise standard of 45 dBA DNL and would be within the "normally acceptable" noise range for interior noise.

Table 3. Interior Noise Levels (DNL (dBA))

Receivers / Location	Maximum Noise Level at Façade[1]	Required Interior Noise Reduction[2]	Minimum Anticipated Interior Noise Reduction[3]	Upgraded Windows ?[4]	Interior Noise Level[5]	Exceedance of Interior Noise Standard?
R1, second floor	72	27	34	Yes	38	No
R2 – R4, second floor	71	26	34	Yes	37	No
R5 – R7, second floor	69	24	29	Yes	40	No
R1, first floor	67	22	29	Yes	38	No
R2 – R7, first floor	63	18	25	No	38	No

1 - Estimated exterior noise level at the building façade based upon Table 2.

2 - Noise reduction required to satisfy the interior noise standards.

3 - Minimum interior noise reduction with windows closed and upgraded windows at indicated locations, standard windows elsewhere.

4 - Does the required interior noise reduction trigger upgraded windows based on a standard reduction of 25 dBA?

5 - Estimated noise level based upon minimum anticipated noise reduction.

References

ALUC (Airport Land Use Commission for Orange County). 2019. Airport Environs Land Use Plan for Fullerton Municipal Airport. Amended February 21, 2019

Caltrans (California Department of Transportation). 2013. Technical Noise Supplement to the Caltrans Traffic Noise Analysis Protocol. Division of Environmental Analysis, Environmental Engineering, Hazardous Waste, Air, Noise, Paleontology Office. September 2013

Caltrans. 2023. Caltrans Traffic Census Program webpage. Accessed 5/29/2023. https://dot.ca.gov/programs/traffic-operations/census

CFR (United States Code of Federal Regulations). 2013. Title 24, Volume 1, Title 51 Subpart B. Accessed 4/22/21: https://www.govinfo.gov/content/pkg/CFR-2013-title24-vol1/pdf/CFR-2013-title24-vol1-part51-subpartB.pdf

Federal Highway Administration (FHWA). 2004. FHWA Traffic Noise Model, Version 2.5. Office of Environment and Planning. Washington, DC. February 2004.

DUDEK
605 NE 21ST AVE
PORTLAND, OREGON 97232
T 971.930.1700

Attachment A

Noise Model Input/Output Data

Dudek					**1 June 2023**							
MG					**TNM 2.5**							
INPUT: ROADWAYS							**Average pavement type shall be used unless**					
PROJECT/CONTRACT:	**13230.37**						**a State highway agency substantiates the use**					
RUN:	**Collette's Childrens Home Fut w Proj PkHr**						**of a different type with the approval of FHWA**					
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**		
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**	
	ft			ft	ft	ft		mph	%			
SR-57 SB	110.0	point1	1	1,021.7	2,274.9	0.00				Average		
		point3	3	1,144.9	2,184.3	0.00				Average		
		point4	4	1,292.1	2,077.7	0.00				Average		
		point5	5	1,423.7	1,974.7	0.00				Average		
		point6	6	1,530.4	1,885.7	0.00				Average		
		point7	7	1,573.6	1,847.3	0.00				Average		
		point8	8	1,691.0	1,740.4	0.00						
SR-57 NB	135.0	point16	16	1,807.5	1,832.2	0.00				Average		
		point10	10	1,713.2	1,917.0	0.00				Average		
		point11	11	1,622.9	2,000.8	0.00				Average		
		point12	12	1,523.0	2,089.3	0.00				Average		
		point13	13	1,413.5	2,176.0	0.00				Average		
		point14	14	1,243.7	2,302.2	0.00				Average		
		point2	2	1,097.2	2,406.9	0.00						

Dudek **1 June 2023**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **13230.37**
RUN: **Collette's Childrens Home Fut w Proj PkHr**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
SR-57 SB	point1	1	14448	65	476	60	953	55	0	0	0	0
	point3	3	14448	65	476	60	953	55	0	0	0	0
	point4	4	14448	65	476	60	953	55	0	0	0	0
	point5	5	14448	65	476	60	953	55	0	0	0	0
	point6	6	14448	65	476	60	953	55	0	0	0	0
	point7	7	14448	65	476	60	953	55	0	0	0	0
	point8	8										
SR-57 NB	point16	16	14448	65	476	60	953	55	0	0	0	0
	point10	10	14448	65	476	60	953	55	0	0	0	0
	point11	11	14448	65	476	60	953	55	0	0	0	0
	point12	12	14448	65	476	60	953	55	0	0	0	0
	point13	13	14448	65	476	60	953	55	0	0	0	0
	point14	14	14448	65	476	60	953	55	0	0	0	0
	point2	2										

Dudek
MG

1 June 2023
TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 13230.37
RUN: Collette's Childrens Home Fut w Proj PkHr

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
R1 1st Flr	1	1	1,232.0	2,020.8	0.00	5.00	0.00	66	10.0	8.0	Y
R2 1st Flr	2	1	1,206.3	2,001.3	0.00	5.00	0.00	66	10.0	8.0	Y
R3 1st Flr	3	1	1,181.3	1,944.1	0.00	5.00	0.00	66	10.0	8.0	Y
R4 1st Flr	4	1	1,233.0	2,001.0	0.00	5.00	0.00	66	10.0	8.0	Y
R5 1st Flr	5	1	1,220.2	1,958.0	0.00	5.00	0.00	66	10.0	8.0	Y
R6 1st Flr	6	1	1,213.9	1,927.4	0.00	5.00	0.00	66	10.0	8.0	Y
R7 1st Flr	7	1	1,172.6	1,899.6	0.00	5.00	0.00	66	10.0	8.0	Y
R1 2nd Flr	8	1	1,232.1	2,020.9	10.00	5.00	0.00	66	10.0	8.0	Y
R2 2nd Flr	10	1	1,206.4	2,001.4	10.00	5.00	0.00	66	10.0	8.0	Y
R3 2nd Flr	12	1	1,181.4	1,944.2	10.00	5.00	0.00	66	10.0	8.0	Y
R4 2nd Flr	13	1	1,233.1	2,001.1	10.00	5.00	0.00	66	10.0	8.0	Y
R5 2nd Flr	14	1	1,220.3	1,958.1	10.00	5.00	0.00	66	10.0	8.0	Y
R6 2nd Flr	15	1	1,214.0	1,927.5	10.00	5.00	0.00	66	10.0	8.0	Y
R7 2nd Flr	16	1	1,172.7	1,899.7	10.00	5.00	0.00	66	10.0	8.0	Y

Dudek 1 June 2023
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 13230.37
RUN: Collette's Childrens Home Fut w Proj PkHr

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Soundwall	W	0.00	99.99	0.00				0.00	point1	1	978.9	2,182.2	0.00	16.00	0.00	0	0		
									point3	3	1,035.2	2,188.6	0.00	16.00	0.00	0	0		
									point4	4	1,131.0	2,120.9	0.00	16.00	0.00	0	0		
									point5	5	1,220.6	2,057.8	0.00	16.00	0.00	0	0		
									point6	6	1,274.2	2,016.8	0.00	16.00	0.00	0	0		
									point7	7	1,355.1	1,953.9	0.00	16.00	0.00	0	0		
									point8	8	1,408.5	1,913.0	0.00	16.00	0.00	0	0		
									point9	9	1,479.9	1,851.6	0.00	16.00	0.00	0	0		
									point10	10	1,559.5	1,780.7	0.00	16.00	0.00	0	0		
									point11	11	1,619.0	1,723.4	0.00	16.00					
Centerline Barrier	W	0.00	99.99	0.00				0.00	point19	19	1,052.6	2,340.1	0.00	3.50	0.00	0	0		
									point13	13	1,177.4	2,255.3	0.00	3.50	0.00	0	0		
									point14	14	1,323.4	2,140.7	0.00	3.50	0.00	0	0		
									point15	15	1,460.8	2,032.2	0.00	3.50	0.00	0	0		
									point16	16	1,571.0	1,939.5	0.00	3.50	0.00	0	0		
									point17	17	1,625.2	1,893.1	0.00	3.50	0.00	0	0		
									point2	2	1,766.9	1,754.0	0.00	3.50					
House	W	0.00	99.99	0.00				0.00	point20	20	1,192.4	1,894.2	0.00	15.00	0.00	0	0		
									point22	22	1,227.8	1,951.9	0.00	15.00	0.00	0	0		
									point23	23	1,210.5	1,962.0	0.00	15.00	0.00	0	0		
									point24	24	1,239.4	2,015.0	0.00	15.00	0.00	0	0		
									point25	25	1,221.3	2,024.9	0.00	15.00	0.00	0	0		
									point26	26	1,191.7	1,970.4	0.00	15.00	0.00	0	0		
									point27	27	1,197.4	1,966.8	0.00	15.00	0.00	0	0		
									point28	28	1,160.3	1,908.7	0.00	15.00	0.00	0	0		
									point21	21	1,190.1	1,891.1	0.00	15.00					
Barrier6	W	0.00	99.99	0.00				0.00	point29	29	1,255.2	1,961.6	0.00	15.00	0.00	0	0		
									point30	30	1,279.8	1,998.8	0.00	15.00	0.00	0	0		
									point31	31	1,359.8	1,940.9	0.00	15.00					
Barrier10	W	0.00	99.99	0.00				0.00	point36	36	1,201.8	2,037.6	0.00	15.00	0.00	0	0		
									point37	37	1,170.7	1,983.1	0.00	15.00	0.00	0	0		
									point38	38	1,166.7	1,986.4	0.00	15.00	0.00	0	0		
									point39	39	1,129.1	1,930.9	0.00	15.00					

Dudek
MG
1 June 2023
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 13230.37
RUN: Collette's Childrens Home Fut w Proj PkHr
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1 1st Flr	1	1	0.0	67.2	66	67.2	10	Snd Lvl	67.2	0.0	8	-8.0
R2 1st Flr	2	1	0.0	61.6	66	61.6	10	----	61.6	0.0	8	-8.0
R3 1st Flr	3	1	0.0	56.3	66	56.3	10	----	56.3	0.0	8	-8.0
R4 1st Flr	4	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0
R5 1st Flr	5	1	0.0	62.8	66	62.8	10	----	62.8	0.0	8	-8.0
R6 1st Flr	6	1	0.0	62.8	66	62.8	10	----	62.8	0.0	8	-8.0
R7 1st Flr	7	1	0.0	49.1	66	49.1	10	----	49.1	0.0	8	-8.0
R1 2nd Flr	8	1	0.0	73.0	66	73.0	10	Snd Lvl	73.0	0.0	8	-8.0
R2 2nd Flr	10	1	0.0	70.6	66	70.6	10	Snd Lvl	70.6	0.0	8	-8.0
R3 2nd Flr	12	1	0.0	67.9	66	67.9	10	Snd Lvl	67.9	0.0	8	-8.0
R4 2nd Flr	13	1	0.0	71.5	66	71.5	10	Snd Lvl	71.5	0.0	8	-8.0
R5 2nd Flr	14	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0
R6 2nd Flr	15	1	0.0	68.2	66	68.2	10	Snd Lvl	68.2	0.0	8	-8.0
R7 2nd Flr	16	1	0.0	66.6	66	66.6	10	Snd Lvl	66.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	14	0.0	0.0	0.0
All Impacted	8	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**1 June 2023**							
MG					**TNM 2.5**							
INPUT: ROADWAYS							**Average pavement type shall be used unless**					
PROJECT/CONTRACT:	**13230.37**						**a State highway agency substantiates the use**					
RUN:	**Collette's Childrens Home Fut w Prj Off Pk**						**of a different type with the approval of FHWA**					
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**		
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**	
	ft			ft	ft	ft		mph	%			
SR-57 SB	110.0	point1	1	1,021.7	2,274.9	0.00				Average		
		point3	3	1,144.9	2,184.3	0.00				Average		
		point4	4	1,292.1	2,077.7	0.00				Average		
		point5	5	1,423.7	1,974.7	0.00				Average		
		point6	6	1,530.4	1,885.7	0.00				Average		
		point7	7	1,573.6	1,847.3	0.00				Average		
		point8	8	1,691.0	1,740.4	0.00						
SR-57 NB	135.0	point16	16	1,807.5	1,832.2	0.00				Average		
		point10	10	1,713.2	1,917.0	0.00				Average		
		point11	11	1,622.9	2,000.8	0.00				Average		
		point12	12	1,523.0	2,089.3	0.00				Average		
		point13	13	1,413.5	2,176.0	0.00				Average		
		point14	14	1,243.7	2,302.2	0.00				Average		
		point2	2	1,097.2	2,406.9	0.00						

Dudek **1 June 2023**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **13230.37**
RUN: **Collette's Childrens Home Fut w Prj Off Pk**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
SR-57 SB	point1	1	8669	65	286	60	572	55	0	0	0	0
	point3	3	8669	65	286	60	572	55	0	0	0	0
	point4	4	8669	65	286	60	572	55	0	0	0	0
	point5	5	8669	65	286	60	572	55	0	0	0	0
	point6	6	8669	65	286	60	572	55	0	0	0	0
	point7	7	8669	65	286	60	572	55	0	0	0	0
	point8	8										
SR-57 NB	point16	16	8669	65	286	60	572	55	0	0	0	0
	point10	10	8669	65	286	60	572	55	0	0	0	0
	point11	11	8669	65	286	60	572	55	0	0	0	0
	point12	12	8669	65	286	60	572	55	0	0	0	0
	point13	13	8669	65	286	60	572	55	0	0	0	0
	point14	14	8669	65	286	60	572	55	0	0	0	0
	point2	2										

Dudek 1 June 2023
MG TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 13230.37
RUN: Collette's Childrens Home Fut w Prj Off Pk

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
R1 1st Flr	1	1	1,232.0	2,020.8	0.00	5.00	0.00	66	10.0	8.0	Y
R2 1st Flr	2	1	1,206.3	2,001.3	0.00	5.00	0.00	66	10.0	8.0	Y
R3 1st Flr	3	1	1,181.3	1,944.1	0.00	5.00	0.00	66	10.0	8.0	Y
R4 1st Flr	4	1	1,233.0	2,001.0	0.00	5.00	0.00	66	10.0	8.0	Y
R5 1st Flr	5	1	1,220.2	1,958.0	0.00	5.00	0.00	66	10.0	8.0	Y
R6 1st Flr	6	1	1,213.9	1,927.4	0.00	5.00	0.00	66	10.0	8.0	Y
R7 1st Flr	7	1	1,172.6	1,899.6	0.00	5.00	0.00	66	10.0	8.0	Y
R1 2nd Flr	8	1	1,232.1	2,020.9	10.00	5.00	0.00	66	10.0	8.0	Y
R2 2nd Flr	10	1	1,206.4	2,001.4	10.00	5.00	0.00	66	10.0	8.0	Y
R3 2nd Flr	12	1	1,181.4	1,944.2	10.00	5.00	0.00	66	10.0	8.0	Y
R4 2nd Flr	13	1	1,233.1	2,001.1	10.00	5.00	0.00	66	10.0	8.0	Y
R5 2nd Flr	14	1	1,220.3	1,958.1	10.00	5.00	0.00	66	10.0	8.0	Y
R6 2nd Flr	15	1	1,214.0	1,927.5	10.00	5.00	0.00	66	10.0	8.0	Y
R7 2nd Flr	16	1	1,172.7	1,899.7	10.00	5.00	0.00	66	10.0	8.0	Y

Dudek 1 June 2023
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 13230.37
RUN: Collette's Childrens Home Fut w Prj Off Pk

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Soundwall	W	0.00	99.99	0.00				0.00	point1	1	978.9	2,182.2	0.00	16.00	0.00	0	0		
									point3	3	1,035.2	2,188.6	0.00	16.00	0.00	0	0		
									point4	4	1,131.0	2,120.9	0.00	16.00	0.00	0	0		
									point5	5	1,220.6	2,057.8	0.00	16.00	0.00	0	0		
									point6	6	1,274.2	2,016.8	0.00	16.00	0.00	0	0		
									point7	7	1,355.1	1,953.9	0.00	16.00	0.00	0	0		
									point8	8	1,408.5	1,913.0	0.00	16.00	0.00	0	0		
									point9	9	1,479.9	1,851.6	0.00	16.00	0.00	0	0		
									point10	10	1,559.5	1,780.7	0.00	16.00	0.00	0	0		
									point11	11	1,619.0	1,723.4	0.00	16.00					
Centerline Barrier	W	0.00	99.99	0.00				0.00	point19	19	1,052.6	2,340.1	0.00	3.50	0.00	0	0		
									point13	13	1,177.4	2,255.3	0.00	3.50	0.00	0	0		
									point14	14	1,323.4	2,140.7	0.00	3.50	0.00	0	0		
									point15	15	1,460.8	2,032.2	0.00	3.50	0.00	0	0		
									point16	16	1,571.0	1,939.5	0.00	3.50	0.00	0	0		
									point17	17	1,625.2	1,893.1	0.00	3.50	0.00	0	0		
									point2	2	1,766.9	1,754.0	0.00	3.50					
House	W	0.00	99.99	0.00				0.00	point20	20	1,192.4	1,894.2	0.00	15.00	0.00	0	0		
									point22	22	1,227.8	1,951.9	0.00	15.00	0.00	0	0		
									point23	23	1,210.5	1,962.0	0.00	15.00	0.00	0	0		
									point24	24	1,239.4	2,015.0	0.00	15.00	0.00	0	0		
									point25	25	1,221.3	2,024.9	0.00	15.00	0.00	0	0		
									point26	26	1,191.7	1,970.4	0.00	15.00	0.00	0	0		
									point27	27	1,197.4	1,966.8	0.00	15.00	0.00	0	0		
									point28	28	1,160.3	1,908.7	0.00	15.00	0.00	0	0		
									point21	21	1,190.1	1,891.1	0.00	15.00					
Barrier6	W	0.00	99.99	0.00				0.00	point29	29	1,255.2	1,961.6	0.00	15.00	0.00	0	0		
									point30	30	1,279.8	1,998.8	0.00	15.00	0.00	0	0		
									point31	31	1,359.8	1,940.9	0.00	15.00					
Barrier7	W	0.00	99.99	0.00				0.00	point36	32	1,201.8	2,037.6	0.00	15.00	0.00	0	0		
									point37	33	1,170.7	1,983.1	0.00	15.00	0.00	0	0		
									point38	34	1,166.7	1,986.4	0.00	15.00	0.00	0	0		
									point39	35	1,129.1	1,930.9	0.00	15.00					

Dudek
MG
1 June 2023
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 13230.37
RUN: Collette's Childrens Home Fut w Prj Off Pk
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1 1st Flr	1	1	0.0	65.0	66	65.0	10	----	65.0	0.0	8	-8.0
R2 1st Flr	2	1	0.0	59.4	66	59.4	10	----	59.4	0.0	8	-8.0
R3 1st Flr	3	1	0.0	54.1	66	54.1	10	----	54.1	0.0	8	-8.0
R4 1st Flr	4	1	0.0	61.4	66	61.4	10	----	61.4	0.0	8	-8.0
R5 1st Flr	5	1	0.0	60.5	66	60.5	10	----	60.5	0.0	8	-8.0
R6 1st Flr	6	1	0.0	60.6	66	60.6	10	----	60.6	0.0	8	-8.0
R7 1st Flr	7	1	0.0	46.9	66	46.9	10	----	46.9	0.0	8	-8.0
R1 2nd Flr	8	1	0.0	70.8	66	70.8	10	Snd Lvl	70.8	0.0	8	-8.0
R2 2nd Flr	10	1	0.0	68.4	66	68.4	10	Snd Lvl	68.4	0.0	8	-8.0
R3 2nd Flr	12	1	0.0	65.7	66	65.7	10	----	65.7	0.0	8	-8.0
R4 2nd Flr	13	1	0.0	69.3	66	69.3	10	Snd Lvl	69.3	0.0	8	-8.0
R5 2nd Flr	14	1	0.0	67.2	66	67.2	10	Snd Lvl	67.2	0.0	8	-8.0
R6 2nd Flr	15	1	0.0	66.0	66	66.0	10	Snd Lvl	66.0	0.0	8	-8.0
R7 2nd Flr	16	1	0.0	64.4	66	64.4	10	----	64.4	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Noise Reduction Avg	Noise Reduction Max
		dB	dB	dB
All Selected	14	0.0	0.0	0.0
All Impacted	5	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek					**1 June 2023**							
MG					**TNM 2.5**							
INPUT: ROADWAYS							**Average pavement type shall be used unless**					
PROJECT/CONTRACT:	**13230.37**						**a State highway agency substantiates the use**					
RUN:	**Collette's Childrens Home Fut w Proj Ngtm**						**of a different type with the approval of FHWA**					
Roadway		**Points**										
Name	**Width**	**Name**	**No.**	**Coordinates (pavement)**			**Flow Control**			**Segment**		
				X	**Y**	**Z**	**Control Device**	**Speed Constraint**	**Percent Vehicles Affected**	**Pvmt Type**	**On Struct?**	
	ft			ft	ft	ft		mph	%			
SR-57 SB	110.0	point1	1	1,021.7	2,274.9	0.00				Average		
		point3	3	1,144.9	2,184.3	0.00				Average		
		point4	4	1,292.1	2,077.7	0.00				Average		
		point5	5	1,423.7	1,974.7	0.00				Average		
		point6	6	1,530.4	1,885.7	0.00				Average		
		point7	7	1,573.6	1,847.3	0.00				Average		
		point8	8	1,691.0	1,740.4	0.00						
SR-57 NB	135.0	point16	16	1,807.5	1,832.2	0.00				Average		
		point10	10	1,713.2	1,917.0	0.00				Average		
		point11	11	1,622.9	2,000.8	0.00				Average		
		point12	12	1,523.0	2,089.3	0.00				Average		
		point13	13	1,413.5	2,176.0	0.00				Average		
		point14	14	1,243.7	2,302.2	0.00				Average		
		point2	2	1,097.2	2,406.9	0.00						

Dudek **1 June 2023**
MG **TNM 2.5**

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: **13230.37**
RUN: **Collette's Childrens Home Fut w Proj Ngtm**

Roadway	Points		Segment									
Name	Name	No.	Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
SR-57 SB	point1	1	2408	65	79	60	159	55	0	0	0	0
	point3	3	2408	65	79	60	159	55	0	0	0	0
	point4	4	2408	65	79	60	159	55	0	0	0	0
	point5	5	2408	65	79	60	159	55	0	0	0	0
	point6	6	2408	65	79	60	159	55	0	0	0	0
	point7	7	2408	65	79	60	159	55	0	0	0	0
	point8	8										
SR-57 NB	point16	16	241	65	8	60	16	55	0	0	0	0
	point10	10	241	65	8	60	16	55	0	0	0	0
	point11	11	241	65	8	60	16	55	0	0	0	0
	point12	12	241	65	8	60	16	55	0	0	0	0
	point13	13	241	65	8	60	16	55	0	0	0	0
	point14	14	241	65	8	60	16	55	0	0	0	0
	point2	2										

Dudek 1 June 2023
MG TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: 13230.37
RUN: Collette's Childrens Home Fut w Proj Ngtm

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria: Existing LAeq1h	Impact Criteria LAeq1h	Impact Criteria Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
R1 1st Flr	1	1	1,232.0	2,020.8	0.00	5.00	0.00	66	10.0	8.0	Y
R2 1st Flr	2	1	1,206.3	2,001.3	0.00	5.00	0.00	66	10.0	8.0	Y
R3 1st Flr	3	1	1,181.3	1,944.1	0.00	5.00	0.00	66	10.0	8.0	Y
R4 1st Flr	4	1	1,233.0	2,001.0	0.00	5.00	0.00	66	10.0	8.0	Y
R5 1st Flr	5	1	1,220.2	1,958.0	0.00	5.00	0.00	66	10.0	8.0	Y
R6 1st Flr	6	1	1,213.9	1,927.4	0.00	5.00	0.00	66	10.0	8.0	Y
R7 1st Flr	7	1	1,172.6	1,899.6	0.00	5.00	0.00	66	10.0	8.0	Y
R1 2nd Flr	8	1	1,232.1	2,020.9	10.00	5.00	0.00	66	10.0	8.0	Y
R2 2nd Flr	10	1	1,206.4	2,001.4	10.00	5.00	0.00	66	10.0	8.0	Y
R3 2nd Flr	12	1	1,181.4	1,944.2	10.00	5.00	0.00	66	10.0	8.0	Y
R4 2nd Flr	13	1	1,233.1	2,001.1	10.00	5.00	0.00	66	10.0	8.0	Y
R5 2nd Flr	14	1	1,220.3	1,958.1	10.00	5.00	0.00	66	10.0	8.0	Y
R6 2nd Flr	15	1	1,214.0	1,927.5	10.00	5.00	0.00	66	10.0	8.0	Y
R7 2nd Flr	16	1	1,172.7	1,899.7	10.00	5.00	0.00	66	10.0	8.0	Y

Dudek 1 June 2023
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 13230.37
RUN: Collette's Childrens Home Fut w Proj Ngtm

Barrier									Points										
Name	Type	Height		If Wall	If Berm			Add'tnl	Name	No.	Coordinates (bottom)			Height	Segment				
		Min	Max	$ per	$ per	Top	Run:Rise	$ per			X	Y	Z	at	Seg Ht	Perturbs		On	Important
				Unit	Unit	Width		Unit						Point	Incre-	#Up	#Dn	Struct?	Reflec-
				Area	Vol.			Length							ment				tions?
		ft	ft	$/sq ft	$/cu yd	ft	ft:ft	$/ft			ft	ft	ft	ft	ft				
Soundwall	W	0.00	99.99	0.00				0.00	point1	1	978.9	2,182.2	0.00	16.00	0.00	0	0		
									point3	3	1,035.2	2,188.6	0.00	16.00	0.00	0	0		
									point4	4	1,131.0	2,120.9	0.00	16.00	0.00	0	0		
									point5	5	1,220.6	2,057.8	0.00	16.00	0.00	0	0		
									point6	6	1,274.2	2,016.8	0.00	16.00	0.00	0	0		
									point7	7	1,355.1	1,953.9	0.00	16.00	0.00	0	0		
									point8	8	1,408.5	1,913.0	0.00	16.00	0.00	0	0		
									point9	9	1,479.9	1,851.6	0.00	16.00	0.00	0	0		
									point10	10	1,559.5	1,780.7	0.00	16.00	0.00	0	0		
									point11	11	1,619.0	1,723.4	0.00	16.00					
Centerline Barrier	W	0.00	99.99	0.00				0.00	point19	19	1,052.6	2,340.1	0.00	3.50	0.00	0	0		
									point13	13	1,177.4	2,255.3	0.00	3.50	0.00	0	0		
									point14	14	1,323.4	2,140.7	0.00	3.50	0.00	0	0		
									point15	15	1,460.8	2,032.2	0.00	3.50	0.00	0	0		
									point16	16	1,571.0	1,939.5	0.00	3.50	0.00	0	0		
									point17	17	1,625.2	1,893.1	0.00	3.50	0.00	0	0		
									point2	2	1,766.9	1,754.0	0.00	3.50					
House	W	0.00	99.99	0.00				0.00	point20	20	1,192.4	1,894.2	0.00	15.00	0.00	0	0		
									point22	22	1,227.8	1,951.9	0.00	15.00	0.00	0	0		
									point23	23	1,210.5	1,962.0	0.00	15.00	0.00	0	0		
									point24	24	1,239.4	2,015.0	0.00	15.00	0.00	0	0		
									point25	25	1,221.3	2,024.9	0.00	15.00	0.00	0	0		
									point26	26	1,191.7	1,970.4	0.00	15.00	0.00	0	0		
									point27	27	1,197.4	1,966.8	0.00	15.00	0.00	0	0		
									point28	28	1,160.3	1,908.7	0.00	15.00	0.00	0	0		
									point21	21	1,190.1	1,891.1	0.00	15.00					
Barrier6	W	0.00	99.99	0.00				0.00	point29	29	1,255.2	1,961.6	0.00	15.00	0.00	0	0		
									point30	30	1,279.8	1,998.8	0.00	15.00	0.00	0	0		
									point31	31	1,359.8	1,940.9	0.00	15.00					
Barrier7	W	0.00	99.99	0.00				0.00	point36	32	1,201.8	2,037.6	0.00	15.00	0.00	0	0		
									point37	33	1,170.7	1,983.1	0.00	15.00	0.00	0	0		
									point38	34	1,166.7	1,986.4	0.00	15.00	0.00	0	0		
									point39	35	1,129.1	1,930.9	0.00	15.00					

Dudek
MG
1 June 2023
TNM 2.5
Calculated with TNM 2.5

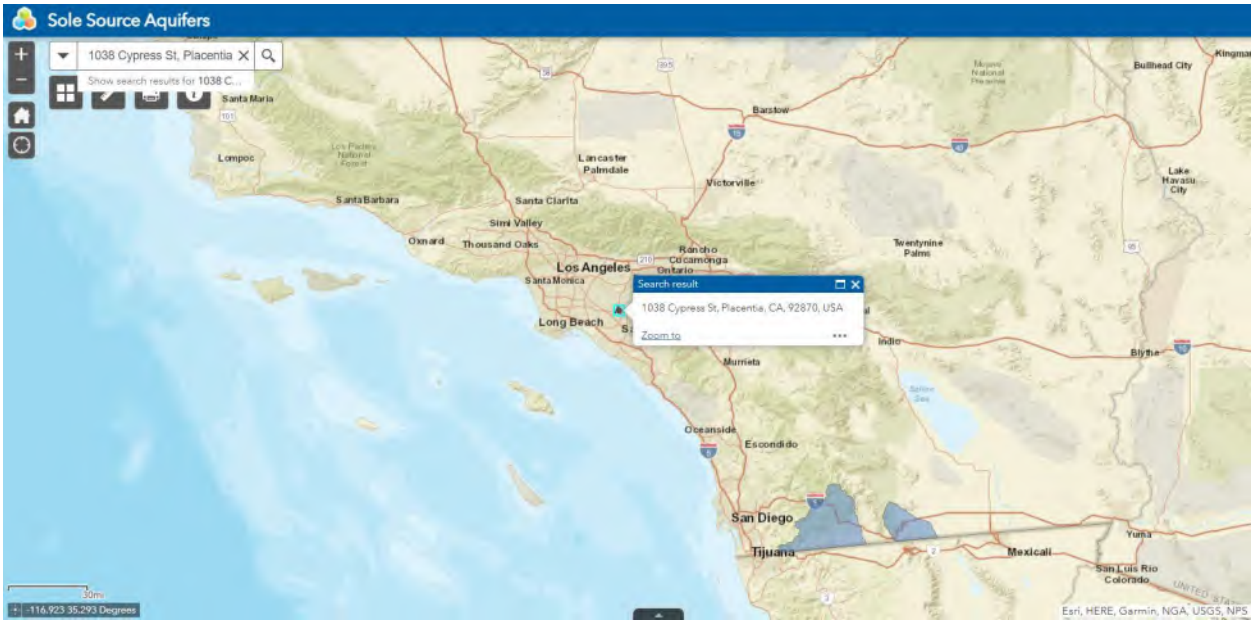
RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 13230.37
RUN: Collette's Childrens Home Fut w Proj Ngtm
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
R1 1st Flr	1	1	0.0	58.5	66	58.5	10	----	58.5	0.0	8	-8.0
R2 1st Flr	2	1	0.0	52.2	66	52.2	10	----	52.2	0.0	8	-8.0
R3 1st Flr	3	1	0.0	46.4	66	46.4	10	----	46.4	0.0	8	-8.0
R4 1st Flr	4	1	0.0	54.4	66	54.4	10	----	54.4	0.0	8	-8.0
R5 1st Flr	5	1	0.0	53.5	66	53.5	10	----	53.5	0.0	8	-8.0
R6 1st Flr	6	1	0.0	53.3	66	53.3	10	----	53.3	0.0	8	-8.0
R7 1st Flr	7	1	0.0	39.4	66	39.4	10	----	39.4	0.0	8	-8.0
R1 2nd Flr	8	1	0.0	63.7	66	63.7	10	----	63.7	0.0	8	-8.0
R2 2nd Flr	10	1	0.0	60.9	66	60.9	10	----	60.9	0.0	8	-8.0
R3 2nd Flr	12	1	0.0	57.8	66	57.8	10	----	57.8	0.0	8	-8.0
R4 2nd Flr	13	1	0.0	62.0	66	62.0	10	----	62.0	0.0	8	-8.0
R5 2nd Flr	14	1	0.0	59.5	66	59.5	10	----	59.5	0.0	8	-8.0
R6 2nd Flr	15	1	0.0	58.1	66	58.1	10	----	58.1	0.0	8	-8.0
R7 2nd Flr	16	1	0.0	56.4	66	56.4	10	----	56.4	0.0	8	-8.0

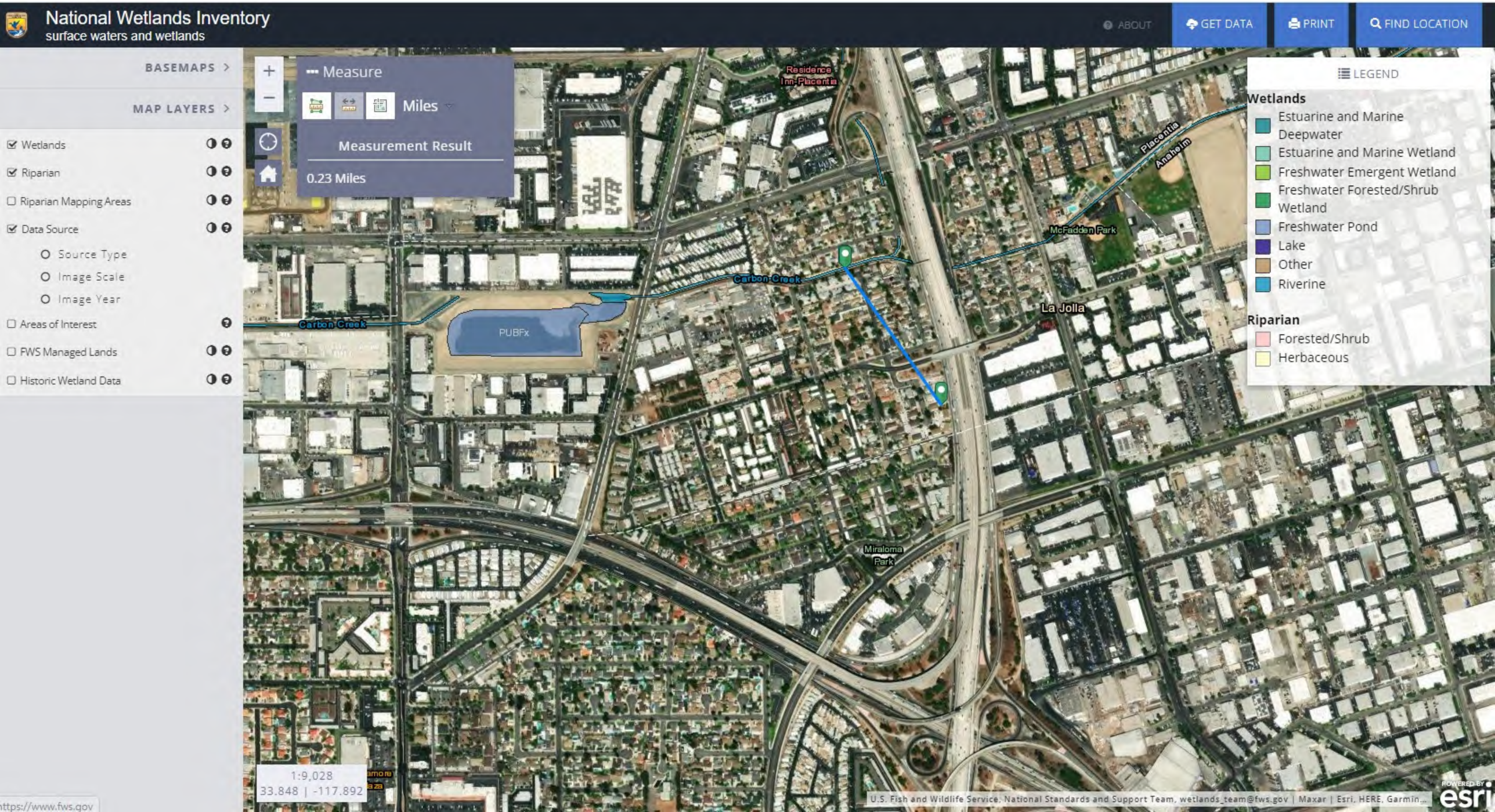
Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	14	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Attachment 12. Sole Source Aquifers Map

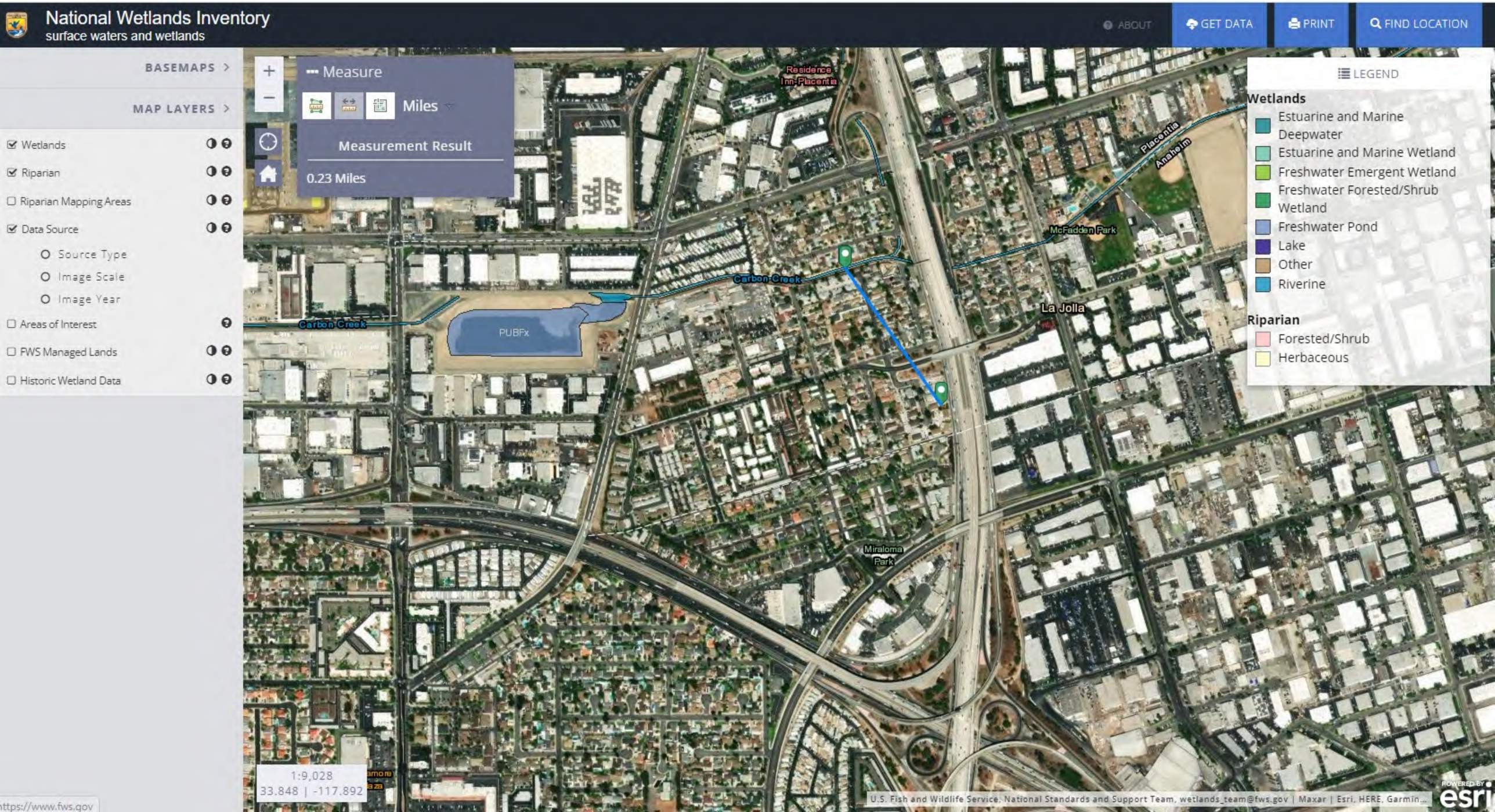


Sole Source Aquifer – 1038 Cypress St Placentia CA 92870

Attachment 13. National Wetlands Inventory Map


National Wetlands Inventory
surface waters and wetlands
ABOUT
GET DATA
PRINT
FIND LOCATION
BASEMAPS
MAP LAYERS
Wetlands
Riparian
Riparian Mapping Areas
Data Source
Source Type
Image Scale
Image Year
Areas of Interest
FWS Managed Lands
Historic Wetland Data
Measure
Miles
Measurement Result
0.23 Miles
Residence Inn Placentia
Placentia
Anaheim
McFadden Park
Carbon Creek
La Jolla
PUBFx
Miraloma Park
LEGEND
Wetlands
Estuarine and Marine Deepwater
Estuarine and Marine Wetland
Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland
Freshwater Pond
Lake
Other
Riverine
Riparian
Forested/Shrub
Herbaceous
1:9,028
33.848 | -117.892
U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov | Maxar | Esri, HERE, Garmin...
https://www.fws.gov

Attachment 14. Wild and Scenic Rivers Map


National Wetlands Inventory
surface waters and wetlands
ABOUT
GET DATA
PRINT
FIND LOCATION
BASEMAPS
MAP LAYERS
Wetlands
Riparian
Riparian Mapping Areas
Data Source
Source Type
Image Scale
Image Year
Areas of Interest
FWS Managed Lands
Historic Wetland Data
Measure
Miles
Measurement Result
0.23 Miles
Residence Inn Placentia
Placentia
Anaheim
McFadden Park
Carbon Creek
La Jolla
PUBFx
Miraloma Park
LEGEND
Wetlands
Estuarine and Marine Deepwater
Estuarine and Marine Wetland
Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland
Freshwater Pond
Lake
Other
Riverine
Riparian
Forested/Shrub
Herbaceous
1:9,028
33.848 | -117.892
U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov | Maxar | Esri, HERE, Garmin...
https://www.fws.gov