



U.S. Department of Housing and Urban
Development
451 Seventh Street, SW
Washington, DC 20410
www.hud.gov
espanol.hud.gov

**Tiered Environment Review
for Activity/Project that is
Categorically Excluded Subject to Section 58.5
Pursuant to 24 CFR 58.35(a)**

Project Information

Project Name: HHP---Minor-Home-Modifications-for-Health-Promotion

**HEROS
Number:** 900000010496947

Start Date: 09/15/2025

**Responsible Entity
(RE):** Alameda County Community Development Agency, Healthy
Homes Department, 224 W. Winton Avenue, Room 108
Hayward CA, 94544

**State / Local
Identifier:**

RE Preparer: Katherine Gulyas

**Certifying
Officer:** April Williamson

**Grant Recipient (if different than Responsible
Entity):**

Point of Contact:

**Consultant (if
applicable):**

Point of Contact:

40 CFR 1506.5(b)(4): The lead agency or, where appropriate, a cooperating agency shall prepare a disclosure statement for the contractor's execution specifying that the contractor has no financial or other interest in the outcome of the action. Such statement need not include privileged or confidential trade secrets or other confidential business information.

- ✓ By checking this box, I attest that as a preparer, I have no financial or other interest in the outcome of the undertaking assessed in this environmental review.

Additional Location Information:

All enrolled units must be in Alameda County and meet eligibility criteria as outlined in Program Workplan and submitted Policies and Procedures.

Direct Comments to: Alameda County Healthy Homes Department
2000 Embarcadero #300
Oakland, CA 94606
Email: healthyhomesadmin@acgov.org

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

The proposed project under the Alameda County Healthy Homes Department (ACHHD) seeks to enhance the Childhood Lead Poisoning Prevention Program (CLPPP) by implementing the "Minor Home Modifications and Interventions for Health Promotion" grant program. This program addresses the presence of health disparities and chronic conditions of lead poisoned children in high risk census tracts in Alameda County (such as priority areas of East and West Oakland) negatively impacted by environmental and home-based hazards (especially those persistently present in substandard housing). The project will integrate comprehensive Healthy Homes Assessments to identify low-cost housing interventions and modifications that aim to promote positive health outcomes and address both symptoms and chronic illnesses potentially caused (or exacerbated by) home-based hazards. Interventions and/or home modifications will directly improve the health and safety of occupants by targeting key housing-related hazards, specifically those identified within the 29 housing hazards in the Healthy Home Rating System. The program's focus includes correcting minor structural deficiencies, improving ventilation and indoor air quality, reducing risks from smoke and carbon monoxide exposure, addressing pest infestations, mitigating radon (where applicable), preventing water intrusion, removing accessibility barriers, and resolving potential safety issues such as falls, electrical hazards, and fire risks. The project anticipates recruiting an estimated 110 families to receive healthy housing assessments and cost-effective housing interventions for identified hazards extending beyond lead-based paint and/or lead hazards. Minor, low-cost healthy housing interventions may include component repair and replacement, systems repair and replacement, pest and excess moisture and mold treatments, minor electrical, carpentry, plumbing, and repairing or improving other health and safety issues identified in a healthy homes assessment. Units to be enrolled will include both single-family and multi-family housing. The HHP Program anticipates the average cost for interventions and/or home modifications per enrolled unit will be \$3,000-\$3,800. Program staff will ensure that County policies and requirements per 2 CFR 200.317 through 200.326 are followed for procurement of goods and services, supplies, and materials. The Program Manager will oversee unit production and selection of contractors, and work will be assigned to a pre-qualified pool of contractors with experience in minor home repair project work. For

projects over \$3,000, bids will be solicited, evaluated for cost-effectiveness and accurate alignment with Scope of Work proposal, and the lowest cost responsible bidder will be selected. The Fiscal Officer will regularly review expenses ensuring requirements are met including compliance with 2 CFR 200 requirements. The program Period of Performance is projected to be 42-months (May 1st, 2025 - November 1st, 2028) with a 90-day close-out period.

Maps, photographs, and other documentation of project location and description:

Approximate size of the project area: more than 1 square mile

Length of time covered by this review: 4 Years

Maximum number of dwelling units or lots addressed by this tiered review:
110

Level of Environmental Review Determination:

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5:
58.35(a)(3)
58.35(a)(4)

Determination:

	Extraordinary circumstances exist and this project may result in significant environmental impact. This project requires preparation of an Environmental Assessment (EA); OR
✓	There are no extraordinary circumstances which would require completion of an EA, and this project may remain CEST.

Approval Documents:

[Signature Page - Broad-Level CEST Tiered Environmental Review - CAHHP0156-24 \[Alameda County HHPFY25\].pdf](#)

7015.15 certified by Certifying Officer on:

7015.16 certified by Authorizing Officer on:

Funding Information

Grant / Project Identification Number	HUD Program	Program Name	Funding Amount
CAHHP0156-24	Healthy Homes and Lead Hazard Control		\$2,000,000.00

Estimated Total HUD Funded Amount: \$2,000,000.00

Estimated Total Project Cost [24 CFR 58.2 (a) (5)]: \$2,000,000.00

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

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §50.4, §58.5, and §58.6	Was compliance achieved at the broad level of review?	Describe here compliance determinations made at the broad level and source documentation.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §50.4 & § 58.6		
Airport Hazards	☒ Yes ☐ No	The proposed project will be evaluated as to whether it is new construction or substantial rehabilitation triggering further review. If the project is and requires further review, the project location will be evaluated for adjacency to a military airport (within 15,000 feet) or civilian airport (within 2,500 feet). If adjacent to such an airport, the project location will be reviewed to determine if it is located within an Accident Potential Zone (APZ) or Runway Protection Zone/Clear Zone (RPZ/CZ). If located in a military airport Accident Potential Zone, the project will be reviewed for conformance to DOD guidelines. If located in a Runway Protection Zone/Clear Zone, the project will not be approved for HUD funds.
Coastal Barrier Resources Act	☒ Yes ☐ No	There are no Coastal Barrier Resource areas in Alameda County.

Flood Insurance	☒ Yes ☐ No	The project (based on description and included activities) will not likely require flood insurance or is excepted from flood insurance. FEMA.gov will be accessed for creation of a FIRMette (Flood Insurance Rate Map) for the project site. If the project area is located in a Special Flood Hazard Area, the project may be approved with the condition that flood insurance will be obtained for the economic life of the activity to cover the total activity cost (in regards to the grant terms). A copy of the flood insurance policy declaration will be kept with the project environmental review document package as indicated.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §50.4 & § 58.5		
Air Quality	☒ Yes ☐ No	Single-family projects do not trigger Air Quality compliance requirements because the nature of the project does not include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities. Multi-family/structure projects will be reviewed for compliance with CAA Hazardous Air Pollutants NESHAP RACM/ACM when the project includes renovation or the disturbance of possible asbestos containing materials and a determination will be made as to CAA HAP NESHAP requirements. Any compliance requirements resulting from this analysis will be made a project completion requirement. Based on the anticipated project activities, California Air Quality compliance requirements are not anticipated.
Coastal Zone Management Act	☒ Yes ☐ No	Parts of Alameda County (County shoreline) are included in California's coastal management, including all areas that are subject to tidal action from the south end of the bay to the Golden Gate Bridge, covering tidelands and

		marshlands that lie between mean high tide and five feet above mean sea level. Coastal management plan is managed by the San Francisco Bay Conservation and Development Commission (BCDC), authorized by the U.S. Department of Commerce under the Coastal Zone Management Act for the San Francisco Bay segment of the California coastal zone. Project activities will be reviewed for type of activity and location to determine if approval is required from the BCDC. If approval is required, the project will be reviewed with the CDA Healthy Homes Department Director regarding feasibility, and if the HHD Director approves proceeding, BCDC approval will be obtained before the project is approved. This grant project does not anticipate any activities in the regions noted above.
Contamination and Toxic Substances	☒ Yes ☐ No	On-site or nearby toxic, hazardous, or radioactive substances that could affect the health and safety of project occupants or conflict with the intended use of the property are not anticipated. Prior to the start of all project activities, a site visit will be conducted to document if there are visible dumps, landfills, industrial sites or other locations containing or releasing toxic/hazardous/radioactive/materials and/or chemicals or hazardous waste on or near the subject site (on-site conditions and observations will be documented via written summary or description). The California Department of Toxic Substances Control EnviroStor website and the California Water Boards GeoTracker website will be accessed for facility records within 3,000 feet of the project site and nearby sites that may pose threats to the occupants' health or safety, and a final impact determination will be made prior to project approval. A review of science-based radon data

		offered a lack of data for the anticipated project area, and radon testing was determined to be infeasible, impracticable, and not applicable. Federal Superfund cleanup site reports in Alameda County attached, as well as Materials Flow Map for Alameda County (including landfills, processing facilities, and composting facilities). Project activities are anticipated to remain in compliance with contamination and toxic substances requirements.
Endangered Species Act	☒ Yes ☐ No	Projects will be reviewed for activities that may impact an endangered species. If activities may impact an endangered species, the U.S. Fish and Wildlife Service Critical Habitat for Threatened & Endangered Species mapper will be accessed to determine if the project site is within a critical habitat area. If so, additional research and consultation with the appropriate Service will be completed to finalize the impact determination and required mitigations.
Explosive and Flammable Hazards	☒ Yes ☐ No	Based on the project description and anticipated project activities that would require further evaluation, project is anticipated to remain in compliance with explosive and flammable hazard requirements. Individual project activities will be reviewed to determine if the project will result in increased residential density or cause a vacant building to become physically or legally habitable. If so, a site inspection on a 1-mile radius will be carried out to determine if any visible explosive-or-flammable-substance container (a stationary, above-ground tank with a capacity of more than 100 gallons). If so, the HUD Acceptable Separation Distance online calculator at https://www.hudexchange.info/environmental-review/asd-calculator/ or the HUD Guidebook Siting of HUD-Assisted Projects Near Hazardous Facilities (HUD-

		1060-CPD) will be utilized to determine whether the project is located beyond the Acceptable Separation Distance (ASD). If not, the project will be reviewed to determine if shielding or mitigation measures can be feasibly utilized to comply with 24 CFR Section 51.205 and such measures will be completed if the project is approved. If not, HUD assistance will be denied to the project.
Farmlands Protection	☒ Yes ☐ No	Although there are Prime Farmlands in Alameda County, the nature of the project does not include any activity that could potentially convert one land use to another. This project does not include any activities that could potentially convert agricultural land to a non-agricultural use. The project is in compliance with the Farmland Protection Policy Act.
Floodplain Management	☒ Yes ☐ No	FEMA.gov will be accessed for creation of a FIRMet for the project site (if indicated and applicable). If the assisted building is located in a Special Flood Hazard Area, the project may be approved with the condition that flood insurance will be obtained for the economic life of the activity to cover the total activity cost (regarding the grant terms and activities). Individual project activities are unlikely occur in the FFRMS floodplain. The project will remain in compliance with Executive Orders 11988 and 13690.
Historic Preservation	☒ Yes ☐ No	During the course of project timelines and activities (when/if applicable) ACHHD will adhere to all guidelines set forth by HUD for the preservation and protection of historic properties in compliance with Section 106 of the National Historic Preservation Act (NHPA), 16 U.S.C. 470 et seq., and as outlined in procedures by the Advisory Council on Historic Preservation (ACHP) in 36 CFR Part 800. The Scope of Work

		for all project activities will be reviewed per the Alameda County Community Development Agency's Programmatic Agreement with the State Historic Preservation Officer (SHPO), amended and dated May 7, 2014. ACHHD will consult with key partners in the Section 106 process, including, but not limited to, State Historic Preservation Officers (SHPOs), Tribal Historic Preservation Officers (TPHOs), and the ACHP, to ensure there is no adverse effect on historic properties. If the work involves activities other than those permitted without further consultation under the Agreement, the review will continue to evaluate the age, number of units, and visible changes to determine if the work has the potential to affect any historic structure and if the building is listed or eligible for inclusion in the National Register of Historic Places. If the SHPO concurs or fails to object within 30 days of receipt of such determination, the review will be complete. If the determination is that the undertaking will have adverse effect(s) on historic properties, the agency will resolve adverse effects per Section 800.6 in consultation with the SHPO, the Advisory Council on Historic Preservation (ACHP) if participating, and any consulting parties. The loan or grant will not be approved until adverse effects are resolved according to Section 800.6 or ACHP comment is considered by the Responsible Entity.
Noise Abatement and Control	☒ Yes ☐ No	The program design and anticipated project activities do not involve new construction, public housing modernization, or land use changes. Most projects will be classified as minor rehabilitation or minor home repair. If a project is associated with substantial rehabilitation, a noise assessment and project review will be completed to

		identify possible noise attenuation features commensurate with the extent and nature of the rehabilitation being undertaken and the level of exterior noise exposure and, if appropriate, noise attenuation features will be incorporated into the work. The project is primarily minor rehabilitation of existing residential properties. The project is in compliance with HUD's Noise regulation.
Sole Source Aquifers	☒ Yes ☐ No	There are no EPA-designated Sole Source Aquifers in Alameda County.
Wetlands Protection	☒ Yes ☐ No	This project includes minor home repair and rehabilitation of existing one-to-four family and multi-family properties and will not increase the number of housing units by more than 20 percent, involve conversion from nonresidential to residential use, meet the thresholds for "substantial improvement" under Section 55.2(b)(10) or significantly increase the footprint of the structure or paved areas. The project is in compliance with Executive Order 11990, including sections 2 and 5.
Wild and Scenic Rivers Act	☒ Yes ☐ No	There are no Wild and Scenic Rivers in Alameda County. This project is not within proximity of a NWSRS river, and is in compliance with the Wild and Scenic Rivers Act.
ENVIRONMENTAL JUSTICE		
Environmental Justice	☒ Yes ☐ No	No adverse environmental impacts were identified in the project's initial Tier I environmental review. The project is in compliance with Executive Order 12898.

Supporting documentation

[Coastal Barrier Resources System Map - Alameda County.pdf](#)

[Alameda County - Critical Habitat for Threatened and Endangered Species \[USFWS\] Map.pdf](#)

[Prime and Important Farmland Map - Alameda County.pdf](#)

[Alameda County Flood Zones Index Map.tif](#)

[Alameda County Flood Zones Index Map\(1\).tif](#)

[SHPO Programmatic Agreement May 7 2014.pdf](#)

[Sole Source Aquifers Map - Alameda County.pdf](#)
[Wild and Scenic Rivers Map - Alameda County.pdf](#)
[Oakland Airport Land-Use Map.pdf](#)
[Livermore Airport Runway Protection Zone Map.pdf](#)
[Hayward Airport Runway Protection Zones Map.pdf](#)
[EnviroStor Alameda County - UWS NAVY FLEET and INDUST SUPL CTR-
ALAMEDA 80001236 - Contamination and Toxic Substances.pdf](#)
[EnviroStor Alameda County - LAWRENCE LIVERMORE NATIONAL LAB \(USDOE\)
\(01730095\) - Contamination and Toxic Substances.pdf](#)
[EnviroStor Alameda County - LAWRENCE LIVERMORE NATIONAL LAB
\(80001246\) - Contamination and Toxic Substances.pdf](#)
[Materials Flow Map \[landfills - compositing sites - processing facilities\] - Alameda
County.pdf](#)
[EnviroStor Alameda County - BLOCK 11 \(60003406\) - Contamination and Toxic
Substances.pdf](#)
[EnviroStor Alameda County - AMCO CHEMICAL \(01390001\) - Contamination and
Toxic Substances.pdf](#)
[EnviroStor Alameda County - ALAMEDA NAS \(01970005\) - Contamination and Toxic
Substances.pdf](#)

Written Strategies

The following strategies provide the policy, standard, or process to be followed in the site-specific review for each law, authority, and factor that will require completion of a site-specific review.

Supporting documentation

APPENDIX A: Site Specific Reviews



U.S. Department of Housing and Urban
Development
451 Seventh Street, SW
Washington, DC 20410
www.hud.gov
espanol.hud.gov

**Tiered Environment Review
for Activity/Project that is
Categorically Excluded Subject to Section 58.5
Pursuant to 24 CFR 58.35(a)**

Project Information

Project Name: HHP---Minor-Home-Modifications-for-Health-Promotion

HEROS Number: 900000010496947

Start Date: 09/15/2025

State / Local Identifier:

Project Location: Oakland, CA 94606

Additional Location Information:

All enrolled units must be in Alameda County and meet eligibility criteria as outlined in Program Workplan and submitted Policies and Procedures.

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

The proposed project under the Alameda County Healthy Homes Department (ACHHD) seeks to enhance the Childhood Lead Poisoning Prevention Program (CLPPP) by implementing the "Minor Home Modifications and Interventions for Health Promotion" grant program. This program addresses the presence of health disparities and chronic conditions of lead poisoned children in high risk census tracts in Alameda County (such as priority areas of East and West Oakland) negatively impacted by environmental and home-based hazards (especially those persistently present in substandard housing). The project will integrate comprehensive Healthy Homes Assessments to identify low-cost housing interventions and modifications that aim to promote positive health outcomes and address both symptoms and chronic illnesses potentially caused (or exacerbated by) home-based hazards. Interventions and/or home modifications will directly improve the health and safety of occupants by targeting key housing-related hazards, specifically those identified within the 29 housing hazards in the Healthy Home Rating System. The program's focus includes correcting minor structural deficiencies, improving ventilation and indoor air quality, reducing risks from smoke and carbon monoxide exposure, addressing pest infestations, mitigating radon (where applicable), preventing water intrusion, removing accessibility barriers, and resolving potential safety issues such as falls, electrical hazards, and fire risks. The project anticipates recruiting an estimated 110 families to receive healthy housing assessments and cost-effective housing interventions for identified hazards extending beyond lead-based paint and/or lead hazards. Minor, low-cost healthy housing interventions may include component repair and replacement, systems repair and replacement, pest and excess moisture and mold treatments, minor electrical, carpentry, plumbing, and repairing or improving other health and safety issues.

identified in a healthy homes assessment. Units to be enrolled will include both single-family and multi-family housing. The HHP Program anticipates the average cost for interventions and/or home modifications per enrolled unit will be \$3,000-\$3,800. Program staff will ensure that County policies and requirements per 2 CFR 200.317 through 200.326 are followed for procurement of goods and services, supplies, and materials. The Program Manager will oversee unit production and selection of contractors, and work will be assigned to a pre-qualified pool of contractors with experience in minor home repair project work. For projects over \$3,000, bids will be solicited, evaluated for cost-effectiveness and accurate alignment with Scope of Work proposal, and the lowest cost responsible bidder will be selected. The Fiscal Officer will regularly review expenses ensuring requirements are met including compliance with 2 CFR 200 requirements. The program Period of Performance is projected to be 42-months (May 1st, 2025 - November 1st, 2028) with a 90-day close-out period.

Level of Environment Review Determination:

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5:

58.35(a)(3)

58.35(a)(4)

Funding Information

Grant Number	HUD Program	Program Name	Funding Amount
CAHHP0156-24	Healthy Homes and Lead Hazard Control		\$2,000,000.00

Estimated Total HUD Funded Amount: \$2,000,000.00

Estimated Total Project Cost [24 CFR 58.2 (a) (5)]: \$2,000,000.00

Mitigation Measures and Conditions [40 CFR 1505.2(c)]: Consult the completed environmental review record for information on the 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.

Determination:

- ☐ Extraordinary circumstances exist and this project may result in significant environmental impact. This project requires preparation of an Environmental Assessment (EA) ; OR
- ☒ There are no extraordinary circumstances which would require completion of an EA, and this project may remain CEST.

Preparer Signature:  **Date:** 9/15/2025

Name / Title/ Organization: Katherine Gulyas / / Alameda County Community Development
Agency, Healthy Homes Department

Responsible Entity Agency Official Signature: _____

DocuSigned by:

April Williamson

Date: 9/15/2025

00DE9E372E01432...

Name/ Title: _____

April Williamson

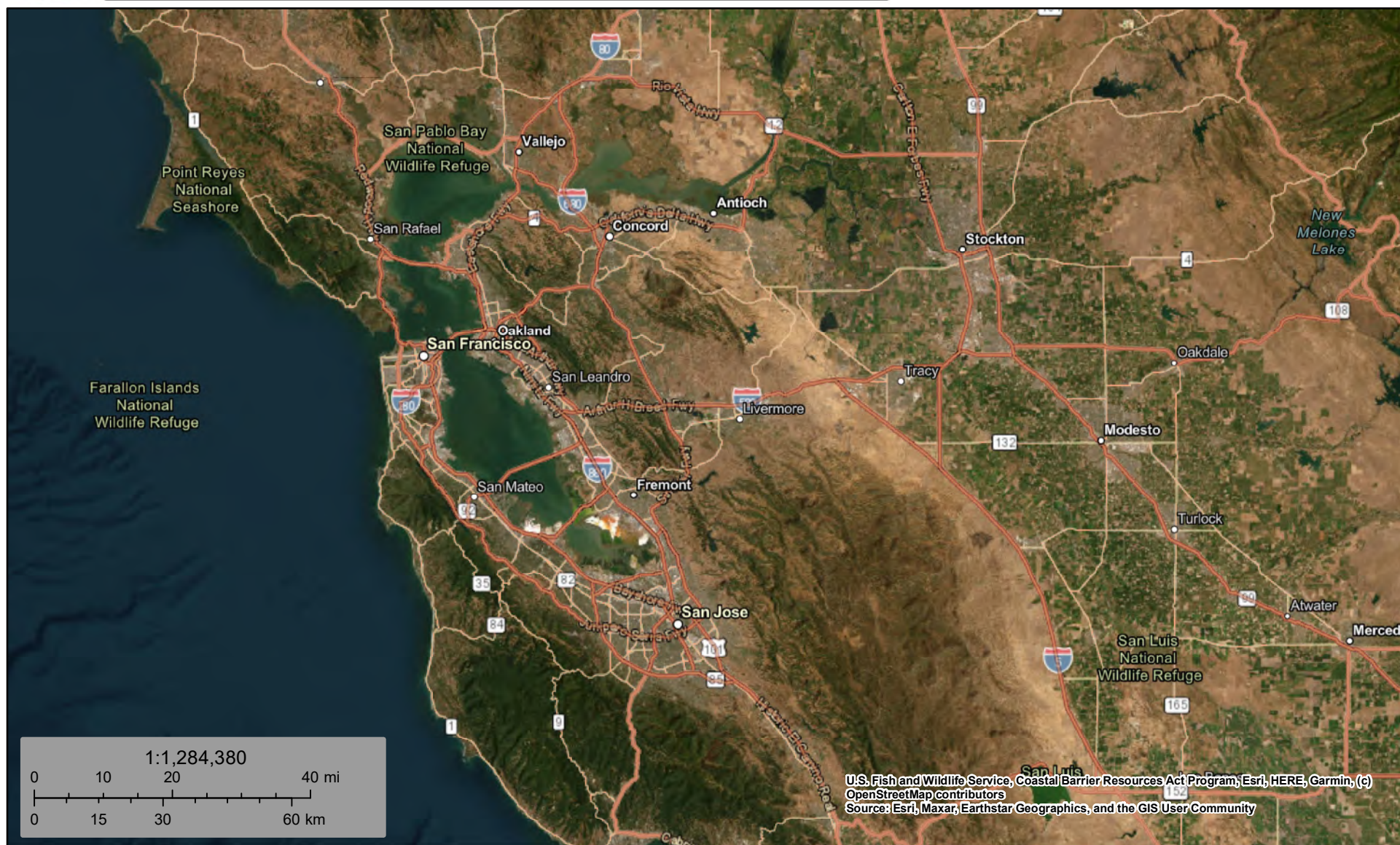
Asst. Dep. Director

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



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

Coastal Barriers Resources System



August 22, 2025

CBRS Units

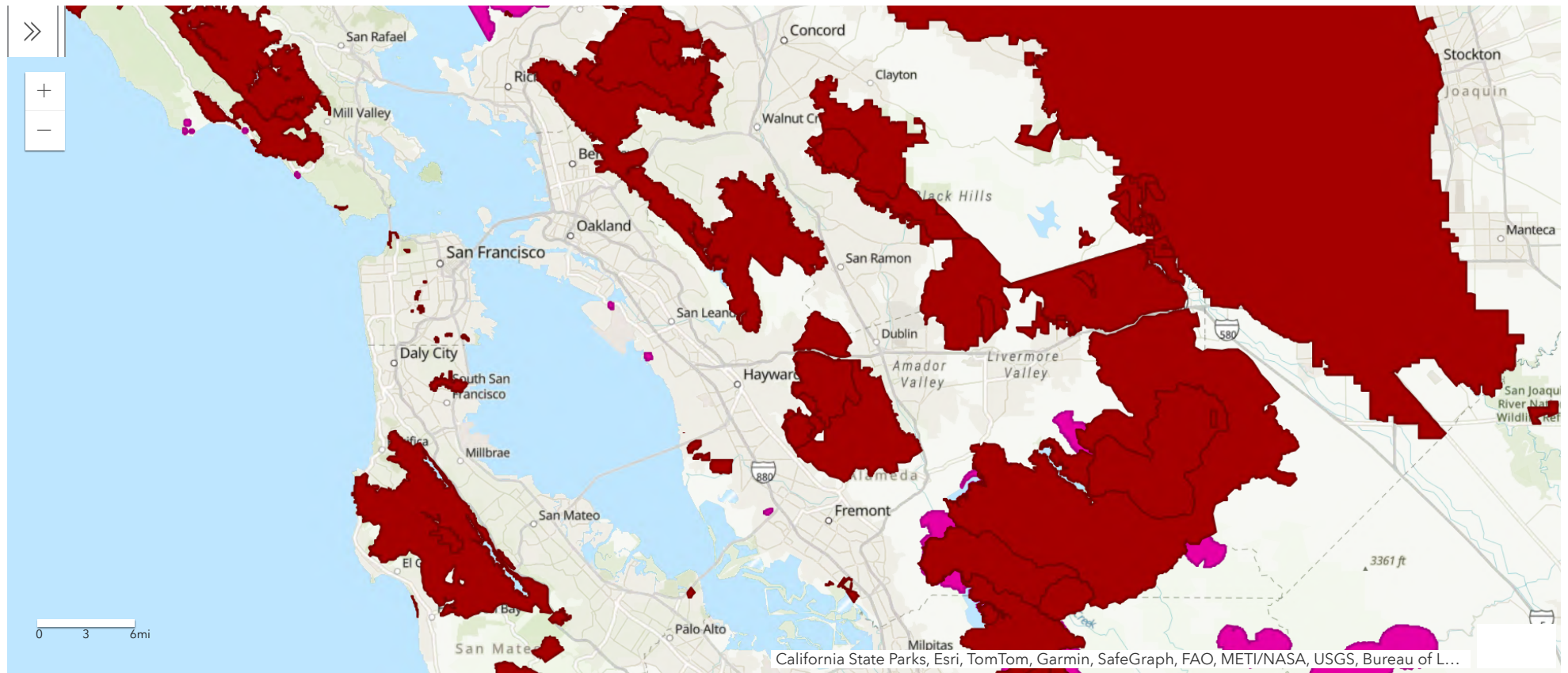
- Otherwise Protected Area
- System Unit

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/library/collections/official-coastal-barrier-resources-system-maps>. 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 (<https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation>) 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

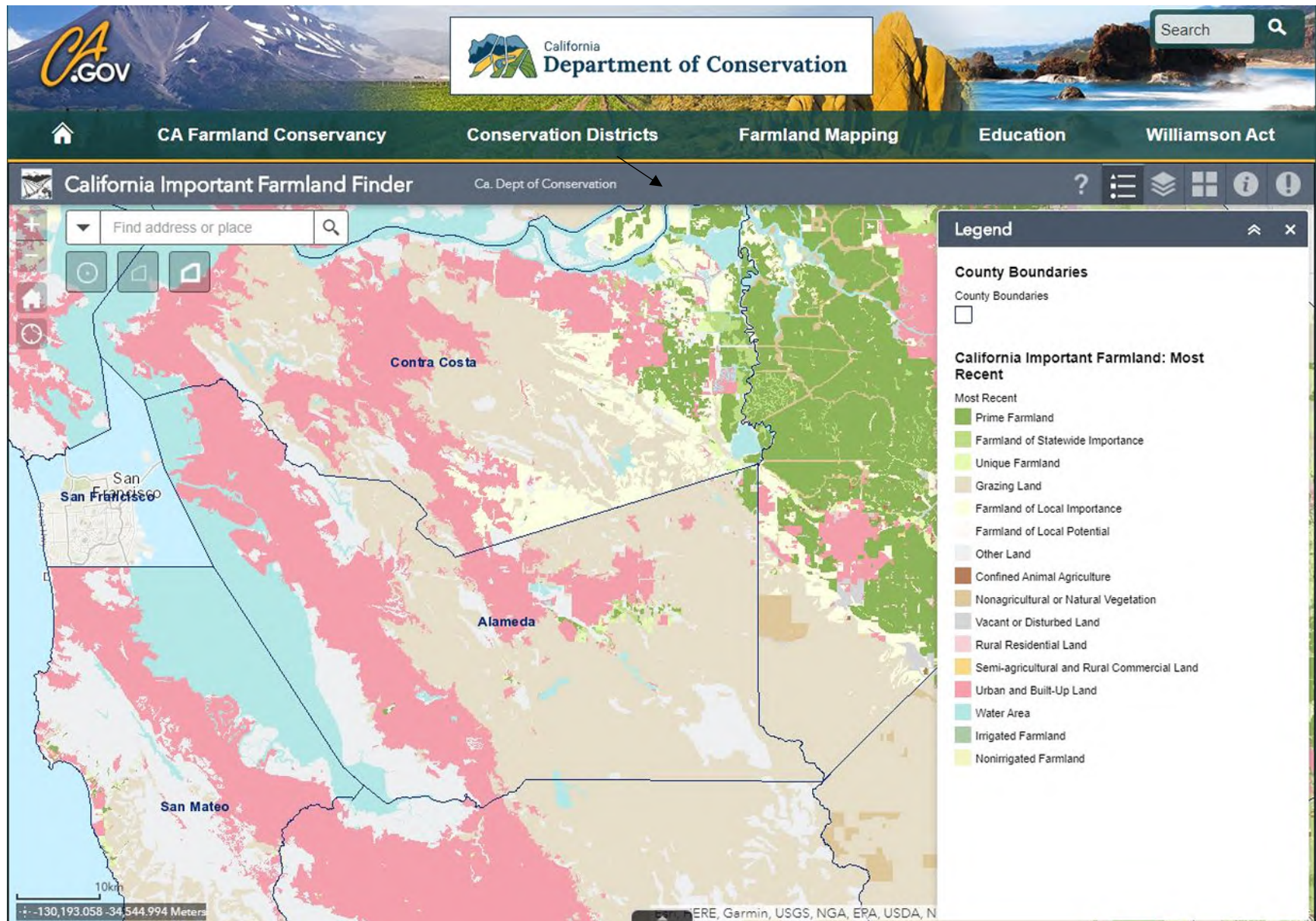
This page was produced by the CBRS Mapper



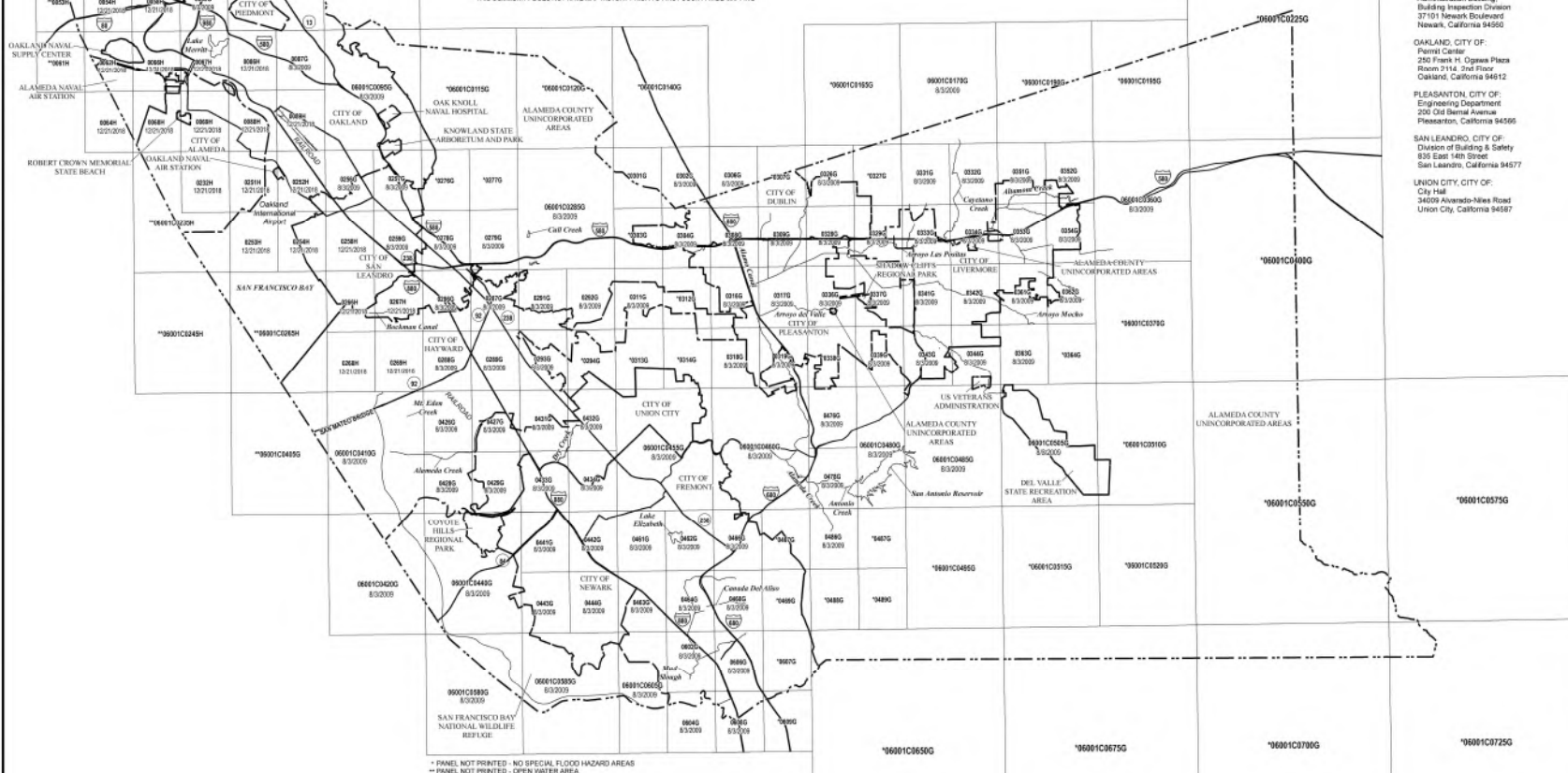
Prime and Important Farmland Map-Alameda County

Map Printed: February 14, 2020

<https://maps.conservation.ca.gov/DLRP/CIFF/>



¹ NON-FLOODPRONE COMMUNITY
² PANEL NOT PRINTED
³ THIS COMMUNITY DOES NOT HAVE MAP HISTORY PRIOR TO FIRST COUNTYWIDE MAPPING



(Maps available for reference only, not for distribution)

(Maps available for reference only, not for distribution)

ALAMEDA, CITY OF:
City Hall West
950 West Main Square, Room 11
Alameda, California 94501

BERKELEY, CITY OF:
Permit Service Center
2120 Milvia Street
Berkeley, California 94704

EMERYVILLE, CITY OF:
Engineering Department
1333 Park Avenue
Emeryville, California 94608

HAYWARD, CITY OF:
City Hall
777 R Street
Hayward, California 94533

NEWARK, CITY OF:
Administration Building,
Building Inspection Division

250 Frank H. Ogawa Plaza
Room 2114, 2nd Floor
Oakland, California 94612

PLEASANTON, CITY OF:

Division of Building & Safety
835 East 14th Street
San Leandro, California 94577

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1

[illegible]

06011C0725G

Future revisions to this FIRM Index will only be issued to communities that are located on FIRM panels being revised. This FIRM index therefore remains valid for FIRM panels dated 12/21/2018 or earlier. Please refer to the "MOST RECENT FIRM PANEL DATE" column in the [Listing of Communities](#) table to determine the most recent FIRM index date for each community.

Future revisions to this FIRM Index will only be issued to communities that are located on FIRM panels being revised. This FIRM index therefore remains valid for FIRM panels dated 12/21/2018 or earlier. Please refer to the "MOST RECENT FIRM PANEL DATE" column in the [Listing of Communities](#) table to determine the most recent FIRM index date for each community.

This FIRM index displays the map date for each FIRM

This FIRM index displays the map date for each FIRM panel at the time that this index was printed. Because this index may not be distributed to unaffected communities in subsequent revisions, users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website at <http://ftp.fema.gov> or by calling the FEMA Map Information eXchange (FIRM) at 1-877-336-2627.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the FEMA Map Information eXchange (FMIX) at the number listed above.

ELEVATION DATUM

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NCS Information Services

NOAA, N / NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-

3282



NFIP MAP

FIRM
FLOOD INSURANCE

ALAMEDA COUNTY
CALIFORNIA

AND INCORPORATED
(SEE LISTING OF COMPANIES)

MAP IN
RANGE SPRINT

58, 59, 62, 64, 66, 67,
170, 232, 251, 252, 253,
267, 268, 269, 278, 279,
282, 293, 302, 304, 306,
319, 326, 328, 330, 331

ODI

FLO

ATTENTION: The corporate limits shown on this FIRM index are based on the best information available at the time of publication. As such, they may be more current than those shown on FIRM panels issued before 12/21/2018.

PROGRAMMATIC AGREEMENT AMENDMENT
BY AND AMONG ALAMEDA COUNTY COMMUNITY DEVELOPMENT AGENCY,
AND CALIFORNIA STATE HISTORIC PRESERVATION OFFICER
REGARDING THE ADMINISTRATION OF CERTAIN HUD-FUNDED ACTIVITIES

WHEREAS, the Alameda County Community Development Agency (Alameda County) has had a Programmatic Agreement with the California State Historic Preservation Officer since 1992 and wishes to amend the Programmatic Agreement; and

WHEREAS, the U.S. Department of Housing and Urban Development (HUD) through various offices, including the Offices of the Assistant Secretaries for Housing – Federal Housing Commissioner, Public and Indian Housing, Community Planning and Development, provides grants and/or entitlement funding to the State of California and to entitlement communities in California; and

WHEREAS, the Alameda County Community Development Agency is an entitlement community in the State of California; and

WHEREAS, Alameda County, now, or may in the future, administers HUD grant and/entitlement programs which include, but are not limited to, the following HUD programs:

- Community Development Block Grant
- Continuum of Care Program
- Emergency Solutions Grant
- Healthy Housing Grant Program
- HOME Investment Partnership Program
- Housing Opportunities for People with AIDS Program
- Lead Hazard Control Grant Program
- Neighborhood Stabilization Program
- Rental Rehabilitation Program

WHEREAS, HUD has unique statutory authority to delegate its environmental compliance responsibilities promulgated at 24 CFR Part 58 to State, tribal, and local governments (Responsible Entities or REs), including obligations under Section 106 of the National Historic Preservation Act of 1966, as mentioned [16 USC §470f] (Section 106) and its implementing regulations 36 CFR Part 800; and

WHEREAS, Alameda County has determined that implementation of the HUD programs may include but are not limited to activities such as housing and commercial building rehabilitation, façade improvement, relocation of buildings and structures, demolition of buildings and structures, new construction and site preparation that may have effect on properties included in or eligible for inclusion in the National Register of Historic Places (Historic Properties); and

WHEREAS, Alameda County has determined that certain activities funded by HUD programs may have an effect on Historic Properties and have consulted with the California State Historic Preservation Officer (SHPO) pursuant to 36 CFR Section 800.14 of the regulations implementing Section 106;

NOW, THEREFORE, Alameda County and SHPO agree that HUD programs covered by this Programmatic Agreement (Agreement) shall be administered in accordance with the following stipulations to satisfy the Section 106 responsibilities of Alameda County for all individual undertakings of the HUD programs.

STIPULATIONS

Alameda County shall ensure that the following measures are carried out:

I. APPLICABILITY OF AGREEMENT

Alameda County shall comply with the stipulations set forth in this Agreement for all programs and projects in Alameda County, California, which involve the exterior or interior rehabilitation of residential or commercial structures and is assisted entirely or in part by monies from the programs of HUD. The review process established by this Agreement will be completed prior to any property owner altering any property eligible for assistance under the subject programs. Section VI establishes categories of individual undertakings under the HUD programs that are exempt from SHPO review. These individual undertakings are not expected to be on Tribal lands and are primarily smaller scale activities and routine projects, without potential for adversely affecting historic properties, rather than complex undertakings with greater potential to adversely affect historic properties.

II. PERSONNEL

Alameda County shall assign staff to assure that rehabilitation work is carried out in accordance with the specifications and work descriptions provided to SHPO for review in determining effect, including any project modifications recommended by the SHPO which were accepted by Alameda County. Such staff will also monitor projects limited to work items enumerated in Section VI, which are exempt from review by the SHPO to assure that only qualifying work items are properly performed. Responsible staff will certify that work was carried out as planned, and will maintain records for each project which document compliance with the terms of this Agreement.

III. IDENTIFICATION

- A. The County shall use the existing or current California Historic Resources Inventory for Alameda County (Inventory) to assist in identifying historic properties.
- B. Whenever the County finds an error in the Inventory or finds that a non-included property is listed on the National Register, or has been determined eligible for Listing by the SHPO, it shall keep a record and inform the SHPO in writing.
- C. For projects involving properties that are not identified in the Inventory but are 50 years or older, the County shall apply the National Register of Historic Places (National Register) Criteria for Evaluation (36 CFR Section 36.6) to determine those properties' eligibility for inclusion in the National Register, and follow the Secretary of the Interior's Standards and Guidelines for Archaeological and Historic Preservation (48 CFR 44716-42). If there is any question as to whether a property may meet the criteria, the County shall submit documentation to the SHPO for evaluation. If the County disagrees with the opinion of the SHPO, the County shall request a determination of eligibility from the Secretary of the Interior in accordance with applicable National Park Service regulations.
 - 1. To ensure application of the criteria for evaluation, properties that are not identified in the Inventory, but are 50 years or older, shall be evaluated by Alameda County staff as defined in II, above.

2. The County shall keep a written record of the reason why any property 50 years old or older does not appear to meet the criteria.

IV. TREATMENT

- A. Properties identified in the Inventory as being individually rated Outstanding or Notable, rated contributing to an identified district or properties that are individually listed or contributing to a listed district, or properties determined to be eligible for inclusion in the National Register by both the County and the State Historic Preservation Office shall be rehabilitated in accordance with the recommended approaches in the Secretary of the Interior's Standards for the Treatment of Historic Properties; Guidelines for Rehabilitation of Historic Buildings (Standards and Guidelines for Rehabilitation; National Park Service, 1995; 35 CFR Section 67.7)
 1. To ensure conformance with the Standards and Guidelines for Rehabilitation, rehabilitation plans shall be reviewed by Alameda County Staff, as defined in II, above, before construction begins.
 2. When conformance with Standards and Guidelines for Rehabilitation is ensured, the County shall document that the project will have no adverse effect on historic properties within the project area of potential effects (APE) and retain documentation in individual project files.
 3. The County shall document the property, including photographs, project specifications, professional review, etc. before, during activities, and upon completion of the rehabilitation to evidence adherence to the Standards and Guidelines for Rehabilitation. The County shall retain documentation in individual project files.
- B. When it is determined by the County that a project cannot adhere to the Standards and Guidelines for Rehabilitation or when demolition or relocation of, or any other adverse effects as defined in 36 CFR Part 800.5(a) on a property that meets the National Register criteria is proposed, the County shall apply the Criteria of Adverse Effect. Upon the County's conclusion of a Finding of Adverse Effect, or if there is any question as to whether a property may meet the Criteria of Adverse Effect, the County shall consult with the SHPO.
 1. If the Criteria of Adverse Effect are met, the County will determine if project activities can be modified to avoid adverse effects. If adverse effects can be avoided through the project modifications, the County will document that the project will have no adverse effect on historic properties and retain documentation in individual project files.
 - a. If adverse effect cannot be avoided through project modification, the County will prepare documentation for individual submission to the SHPO that includes all project information and any mitigation proposals, requesting consultation to resolve adverse effects.
 - b. The SHPO will review and respond to the information submitted and may concur with the adverse effect determination, request additional information, or object to the finding or its basis. Upon receipt of concurrence from the SHPO, the County will also notify the Advisory Council on Historic Preservation (ACHP) as required by 36 CFR Section 800.6(a)(1).

- c. The County will consult with the SHPO and any consulting parties to resolve adverse effects. Agreement among required signatories regarding the terms of mitigation proposed for the project will be memorialized in an Memorandum Of Agreement (MOA) executed under 36 CFR Section 800.6.
- C. At any time during consultation, the County or the SHPO may request advice from ACHP or ask for their involvement in consultation, in accordance with either 36 CFR Section 800.6(b)(2) or 36 CFR Section 800.7.

V. ARCHAEOLOGY

- A. Prior to any ground-disturbing activities as part of new construction, site improvements, or other undertakings, the County shall notify the SHPO and request an opinion of the potential existence of significant archaeological resources. This stipulation shall not be applied to the rehabilitation of residential properties, when no additions are proposed. The County will conduct a records search in the CHRIS System at the regional Information Center.
 - 1. The County will provide information describing the proposed project activities and information about the project area's history and current condition to the SHPO, Tribal Historic Preservation Offices (THPO) and the Northwest Information Center (NWIC) at Sonoma State, including maps and photographs. SHPO, NWIC and THPO staff will then make a recommendation about whether an archaeological survey should be conducted.
 - 2. If the SHPO, NWIC and/or THPO recommend that no survey is justified, then the County will document the outcome of this consultation within the individual project file. Projects that would otherwise be exempt from review may the conclude review and all documentation will be retained in the individual project file.
 - 3. For the projects were the SHPO, NWIC and/or THPO recommends that an archaeological survey is justified, an archaeological survey in the affected area shall be carried out in consultation with the SHPO, NWIC and/or THPO. Archaeological testing, as appropriate, shall be undertaken in consultation with the SHPO, NWIC and/or THPO to determine if properties identified in the survey meet the National Register criteria. If archaeological resources are found to meet the criteria, whenever feasible, they shall be avoided or preserved in place. When this is not feasible, the SHPO, NWIC and/or THPO shall be consulted, and a treatment plan consistent with the Council's Handbook, Treatment of Archaeological Properties, and approved by the SHPO, NWIC and/or THPO shall be developed and implemented. All identification and testing efforts shall be in accordance with the Standards and Guidelines for Identification and Evaluation and appropriate internal guidance and regulation from the SHPO, NWIC and /or THPO as well as the appropriate state statutes and rules.

VI. EXEMPT ACTIVITIES

The following proposed undertakings have limited potential to affect historical properties and may be approved by the County and/or HUD without further consultation with the SHPO or Council.

All undertakings not identified under either (A) or (B) of this stipulation must be reviewed in accordance with 36 CFR Part 800.

A. General Exemptions

1. Projects on residential or non-residential buildings, structures, or facilities less than 50 years old or those that have been determined not eligible for inclusion in the National Register. Projects may include demolition and rehabilitation, but not construction.
2. Acquisition of property which is limited to the legal transfer of title with no physical improvements or changes proposed.
3. Projects consisting of grants or loans to eligible families or entities to be applied solely to the purchase, refinancing, or leasing of residences or businesses.
4. Grants or loans to participants in any Economic Development program funded by CDBG which may be used for working capital, equipment, furniture, fixtures, and debt refinancing, or acquisition of non-historic building for re-use. Such activities shall require the SHPO review only if such activities should involve changes to structures which are either listed in or are considered eligible for inclusion in the National Register.
5. Purchase of equipment, including but not limited to maintenance tools, or supplies, kitchen appliances, furniture that does not require permanent installation, etc.
6. Environmental Review and other studies;
7. Information and financial services;
8. Administrative and management activities;
9. Inspections and testing of properties for hazards or defects;
10. Purchase of insurance;
11. Engineering and design costs;
12. Assistance for temporary or permanent improvements that do not alter environmental conditions and are limited to protection, repair or restoration activities necessary only to control or arrest the effects from disasters or imminent threats to public safety including those resulting from physical deterioration.

B. Exempt Activities

The list of exempt activities applies to all projects not otherwise made exempt under Section (V)(A) "General Exemptions." For the purposes of this agreement, the term "in-kind replacement" is defined as installation of a new element that duplicates the material, dimensions, configuration and detailing of the original element.

1. Site Work

In the event of unanticipated archaeological discoveries for any activities mentioned below, the SHPO and or THPO shall be contacted within two (2) business days.

- a. Streets, driveways, alleys, and parking areas. Line painting, maintenance, repair or resurfacing of existing concrete or asphalt surfaces or in-kind repair/replacement of brick, rock, or stone materials on streets, driveways, alleys, and parking areas.
- b. Curbs, gutters, sidewalk, retaining walls. Repair of existing concrete or asphalt surfaces or in-kind repair/replacement of brick, rock or stone materials for curbs, gutters, sidewalks, and retaining walls.
- c. Site improvements. Repair or in-kind repair/replacement of site improvements, including, but not limited to fences, landscaping, steps not attached to any building, street lights, traffic signals, and traffic signs.
- d. Utilities. Installation, repair or replacement of gas, sanitary and storm sewer, water, electrical, cable or other underground utilities within previously disturbed land and public right-of-ways located within the County.
- e. Park and Playground equipment. Installation, repair or replacement of park and playground equipment, excluding buildings.
- f. Temporary structures. Installation of temporary construction-related structures including scaffolding, barriers, screening, fences, protective walkways, signage, office trailers or restrooms.

2. Exterior Rehabilitation

In the event of unanticipated archaeological discoveries for any of the activities mentioned below, the SHPO and/or THPO shall be contacted within two (2) business days.

- a. Foundations. Below-grade repair or in-kind replacement of brick or stone foundations and repairs to all other types of foundations.
- b. Windows and doors. Repair of windows and doors, including caulking and weather stripping of existing window and door frames, and installation of new clear glass in existing sashes or doors, including retrofitting for double and triple glazing, replacement of glazing putty. Replacement or installation of windows and doors provided that replacement components match the shape, size, and materials of the historic or existing component.
- c. Storm windows and storm doors. Installation of exterior storm windows and doors, provided they conform to the shape and size of the historic windows and doors, and that the meeting rails of storm windows coincide with that of existing sash.
- d. Walls and siding. Repair of or in-kind replacement of wall or siding material, including brick, stone or stucco materials and wood siding.

- e. Painted surfaces.
 - i. Removal of exterior paint by non-destructive means, limited to hand scraping, low pressure water wash (less than 200 p.s.i), heat plates or heat guns, infrared, or paint-removal chemicals, provided that the removal method is consistent with the provisions of 24 CFR Part 35, "Lead-Based Paint Poisoning Prevention in Certain Residential Structures," including Section 35.140, "Prohibited methods of paint removal" and the lead-based paint abatement or "Management in Place" activities carried out in accordance with *Preservation Brief #37: Appropriate Methods for Reducing Lead-Paint Hazards in Historic Housing*.
 - ii. All lead paint abatement that does not involve removal or alteration of exterior features and/or windows.
 - iii. Application of exterior paint and caulking, other than on previously unpainted masonry.
- f. Porch elements. Repair or in-kind replacement of existing porch elements, such as columns, flooring, floor joists, ceilings, railing, balusters and balustrades, and lattice.
- g. Roofing. Repair or in-kind replacement of roof cladding and sheeting, flashing, gutters, soffits, and downspouts with no change in roof pitch or configuration.
- h. Awnings. Repair or in-kind replacement of awnings.
- i. Mechanical systems. Placement and installation of exterior HVAC mechanical units and vents not on the front and/or primary elevation, unless occurring in undisturbed areas. Repair or replacement of plumbing, electrical wiring, and fire protection systems provided no structural alterations are involved.
- j. Wheelchair ramps. Replacement or repair of existing wheelchair ramps and installation of new wheelchair ramps not on the front and/or primary elevation, unless occurring in undisturbed areas.
- k. Basement bulkhead doors. Replacement or repair of basement bulkhead doors and installation of basement bulkhead doors not on the front elevation.
- l. Lighting. Repair or in-kind replacement of existing lighting fixtures and installation of additional decorative or security lights.
- m. Mothballing. Securing or mothballing a property by boarding over windows and door openings, making temporary roof repairs and/or ventilating the building.
- n. Landscaping. Landscaping including tree planting, tree and scrub pruning, shrub removal, sodding, installation of play areas.

Repair and replacement of any exterior elements when repair or replacement is done in-kind to closely match existing materials.

3. Interior Rehabilitation

- a. Mechanical systems. Installation, replacement or repair of plumbing, HVAC systems and units, electrical wiring, carbon Monoxide alarms, and fire protection systems, provided no structural alterations are involved. Included are restroom improvements for handicapped access, provided the work is contained within the existing restroom walls.
- b. Surfaces. Repair or in-kind replacement of interior surface treatment, such as floors, walls, ceilings, plaster, and woodwork. Painting, if covering historic features, such as wood floors, then carpet or sheet goods (Linoleum or vinyl) shall be installed in a reversible manner, either through tacking or with an underlayment so historic floors shall not be irreversibly damaged.
- c. Windows, doors and cabinetry. Repair or in-kind replacement of windows and doors. Repair of cabinetry and cabinet doors, replacement of cabinet doors provided that replacement components match the shape, size, and materials of the historic or existing component.
- d. Security devices. Installation or replacement of security devices, including deadbolts, door locks, window latches, security grilles, surveillance cameras and door peepholes, and electronic security systems.
- e. Accessibility modifications. Installation of grab bars, handrails, guardrails and minor interior and exterior modifications for disabled accessibility.
- f. Insulation. Installation of non-spray insulation in basements, foundations, ceilings, and attic spaces.
- g. Basement floor. Installation or repair of concrete basement floor in an existing basement.
- h. Lead paint and asbestos abatement. Abatement or control of lead-based paint, consistent with provisions of 24 CFR Part 35, "Lead-Based Paint Poisoning Prevention in Certain Residential Structures," including Section 35.140, "Prohibited methods of paint removal" and the lead -based paint abatement or "Management in Place" activities carried out in accordance with *Preservation Brief #37: Appropriate Methods for Reducing Lead-Paint Hazards in Historic Housing* and/or asbestos abatement that does not involve removal or alteration of interior features.

Repair and replacement of any interior elements when the repair or replacement is done in-kind to closely match existing materials.

VII. PUBLIC NOTIFICATION AND INVOLVEMENT

Each year the County shall notify the public of its current HUD programs and make available for public inspection documents related to these programs. This document shall include:

1. Types of activities undertaken with program funds during the prior year and activities projected for the current year.

2. Information on identified historic properties that might be affected and location of said properties.
3. Funding levels for the current program year.
4. The way in which interested parties can obtain additional information on programs and advise the County, HUD, the SHPO, or the Council of any concern they might have relative to program effects on historic properties.

VIII. MONITORING AND OVERSIGHT

1. The SHPO shall provide technical assistance, consultation, and advice as requested by the County in order to assist in carrying out the terms of this programmatic agreement.
2. Documentation of all work undertaken in the HUD programs shall be retained by the County and available to the SHPO. SHPO may request documentation be submitted or make a site visit to review the work with reasonable notice.

IX. DISCOVERIES AND UNFORSEEN EFFECTS

If, during the implementation of these programs, a previously unidentified property that may be eligible for inclusion in the National Register is encountered, or a known National Register historic property may be affected in an unanticipated manner, the County or HUD will assume its responsibilities pursuant to 36 CFR Part 800.

If any archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law [cite source] requires that the discovery must be reported to the local Tribal Historic Preservation Offices (THPO) (Northwest Information Center at Sonoma State) within two (2) business days. Be advised that adherence to local and state code does not obviate the need to adhere to applicable federal statutes and regulations.

X. NOTIFICATION

Notification or other communication between parties to this agreement should be made in care of address provided in Exhibit A.

XI. AMENDMENT

Any party may request that this Agreement be amended, whereupon the County and the SHPO will consult with other parties in accordance with 36 CFR 800.14(b) to consider an amendment. Amendments will only be considered if made in writing and must be approved in writing by all parties to this Agreement to go into effect.

XII. TERMINATION

Any party to this Agreement may terminate its participation by providing thirty (30) days written notice to all other parties. In the event of termination, the terminating party will comply with 36 CFR Part 800 with respect to individual undertakings covered by this Agreement. Should a party to this Agreement, other than the County or the SHPO, choose to terminate its participation in the Agreement; the Agreement will not be nullified for the other parties. Termination by the County or the SHPO will nullify the Agreement upon all parties.

XIII. TERM OF THE AGREEMENT

Following signature by the County and the SHPO, this Agreement will be binding on a party upon the date of its signature and shall be in force until December 31, 2024. At any time in the twelve-month period prior to that date, the County may consider an extension or modification of this programmatic agreement. No extension or modification shall be effective unless all parties to the programmatic agreement have signed to it in writing.

EXECUTION AND IMPLEMENTATION of this Agreement evidences that the County has satisfied their responsibilities under Section 106 for undertakings as described in this Agreement and funded by HUD programs.

SIGNATORIES:



Alameda County Community Development Agency Director Date



for California State Historic Preservation Officer Date 5/7/14

G:\HCD\CDBGADMN\GENADMIN\kmt Programmatic Agreement.doc

Exhibit A

Housing Director, Housing and Community Development Department

Alameda County

224 W. Winton Avenue Room 108

Hayward, CA 94544

(510) 670-5939

California State Historic Preservation Officer

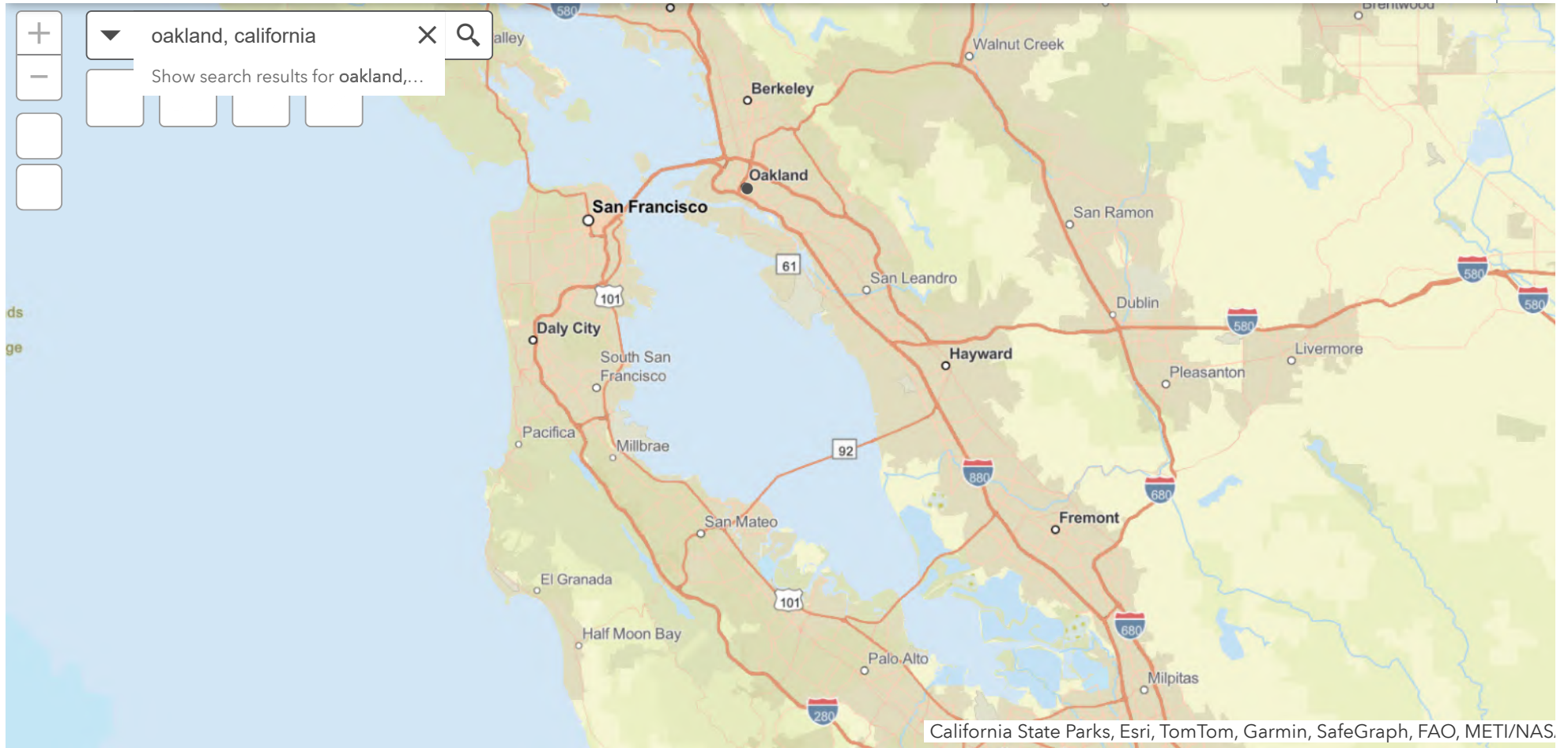
1725 23rd Street #100

Sacramento, CA 95816

(916) 445-7000

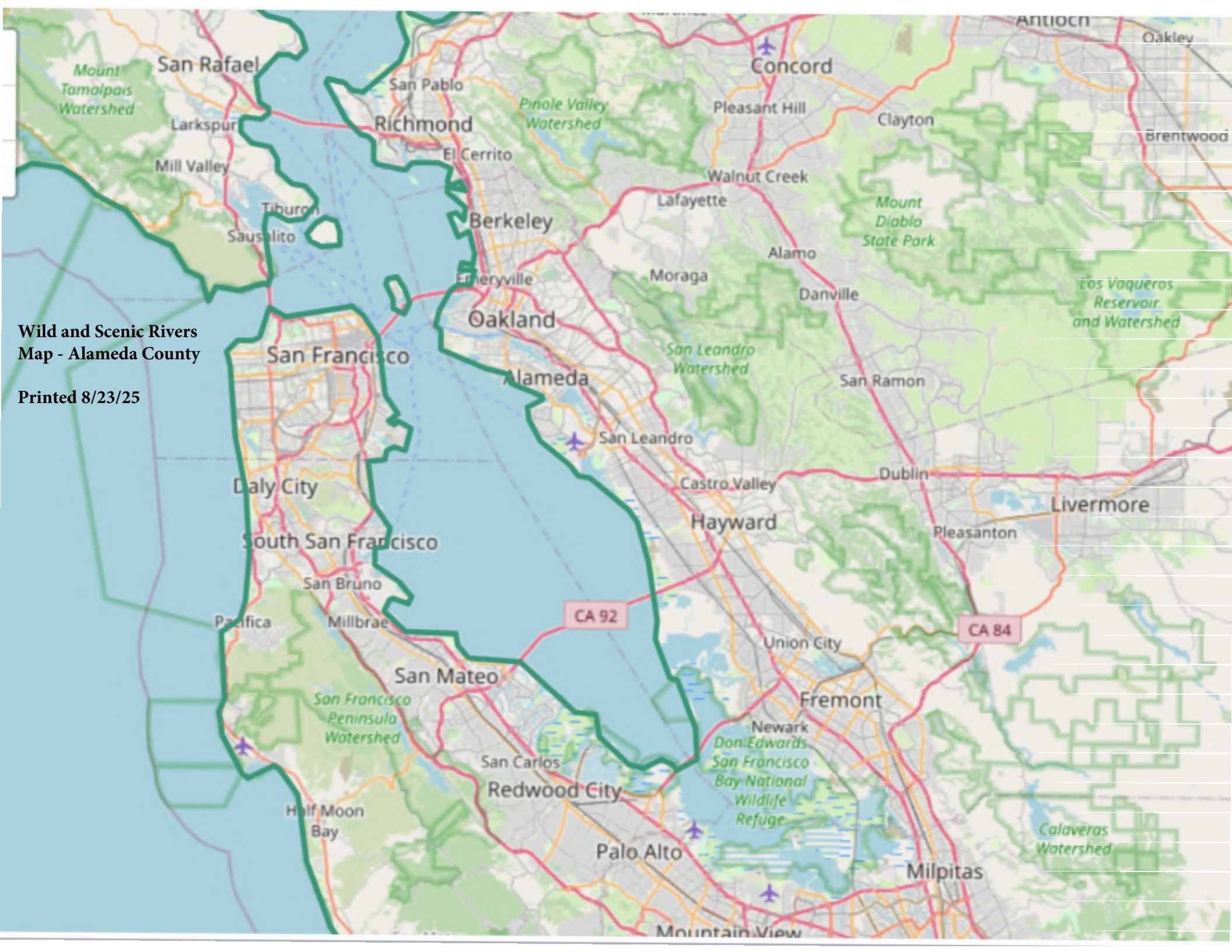


Sole Source Aquifers

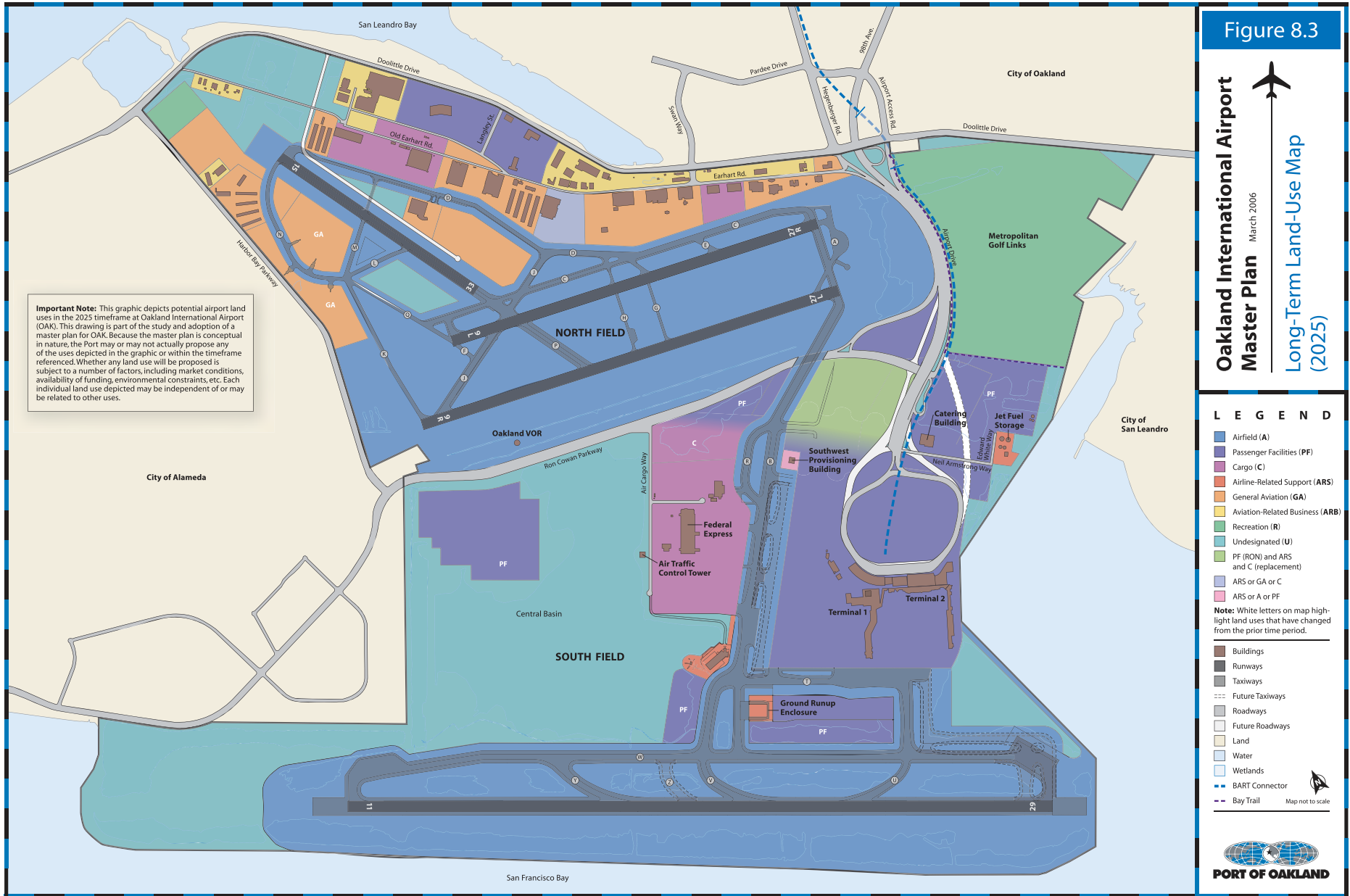


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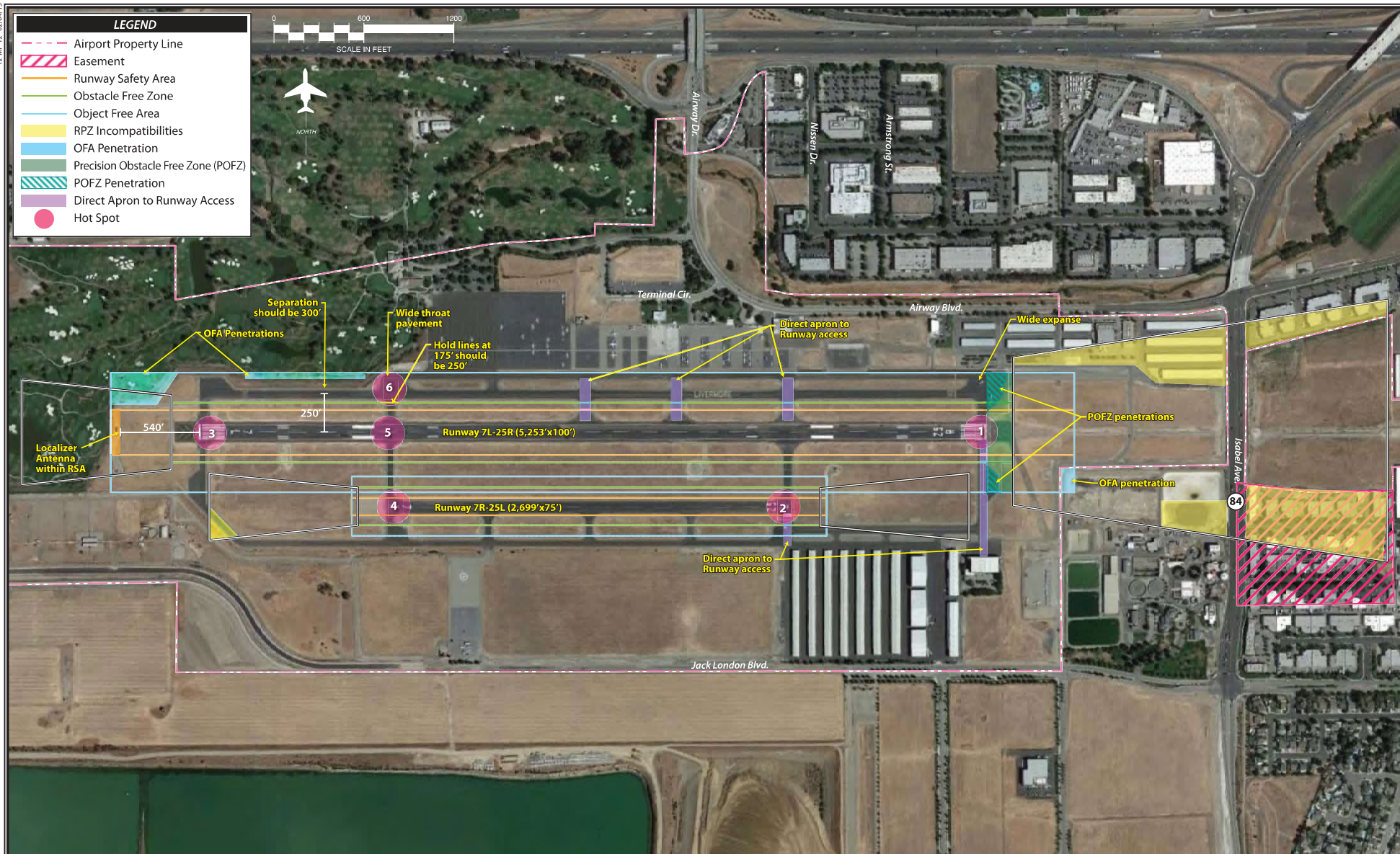
-122.091 37.666 Degrees



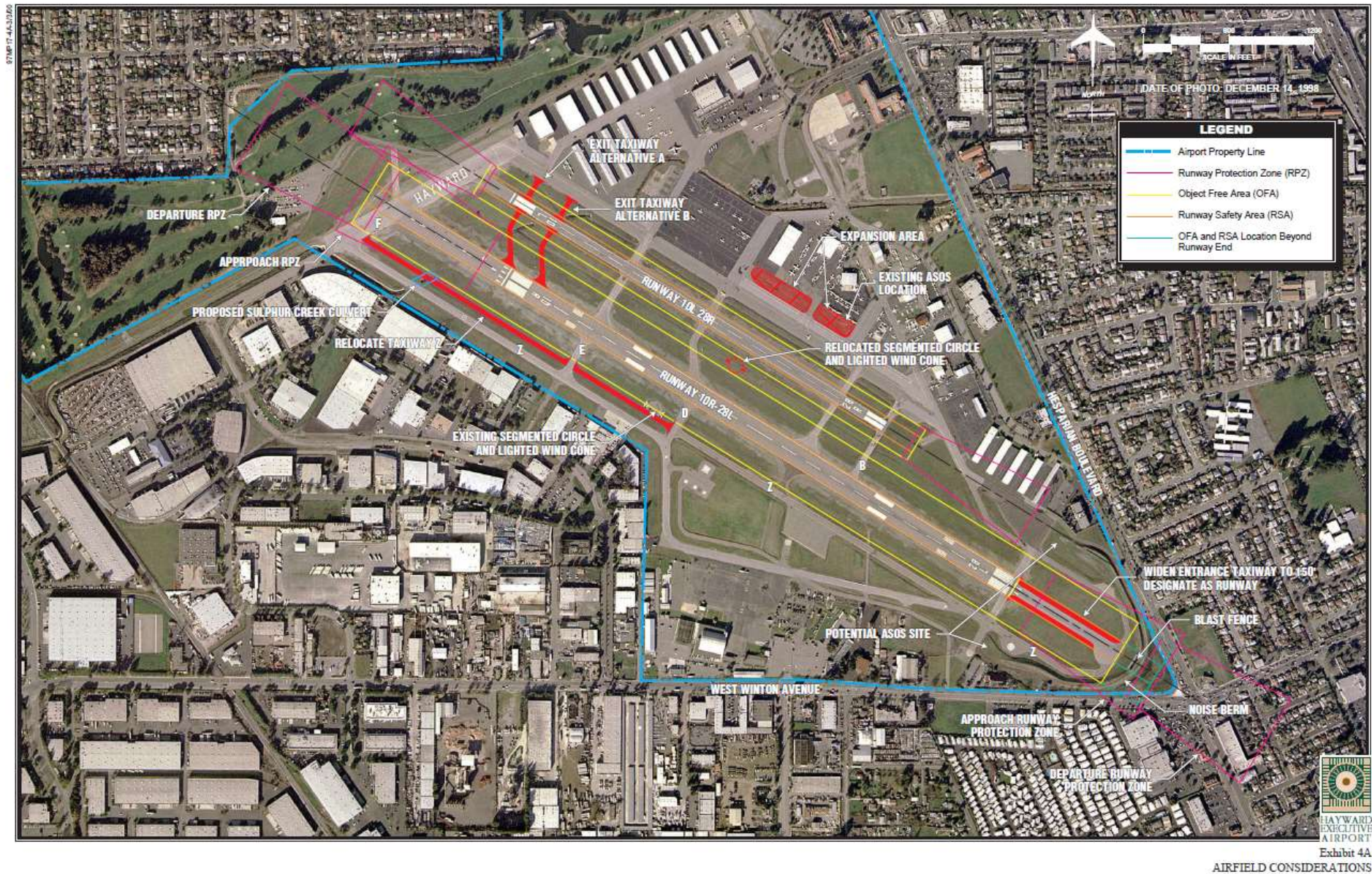
Wild and Scenic Rivers
Map - Alameda County
Printed 8/23/25



Note: This graphic was prepared by the Port of Oakland as part of a master plan for Oakland International Airport. The master plan examined many possible ideas and planning concepts. This graphic is conceptual in nature and for planning purposes only. It does not propose any particular course of action (it might represent an idea or concept that was discarded), and must be interpreted in the context of the entire master plan document.



Hayward Airport Runway Protection Zones Map
From Airport Masterplan dated April 2002
Screenshot March 9, 2020





UWS NAVY/FLEET & INDUST SUPL CTR-ALAMEDA (80001236)

[SIGN UP FOR EMAIL](#)

2155 MARINER SQUARE LOOP
ALAMEDA, CA 945011022
ALAMEDA COUNTY
SITE TYPE: CORRECTIVE ACTION

OFFICE:	CLEANUP BEF
CENSUS TRACT:	6001428700
CALENVIROSCREEN PERCENTILE SCORE:	75-80%

- Summary
- Activities
- Site/Facility Docs
- Sub-Areas
- Map
- Related Sites
- CalEnviroScreen
- Permitting

Site Information

CLEANUP STATUS REFER: SMBRP AS OF 2/23/2012	
SITE TYPE: CORRECTIVE ACTION	ENVIROSTOR ID: 80001236
NATIONAL PRIORITIES LIST: YES	SITE CODE: 201628
ACRES: 145.59 ACRES	SPECIAL PROGRAM:
APN: 074 090504206, 074 090504300	FUNDING:
CLEANUP OVERSIGHT AGENCIES:	ASSEMBLY DISTRICT: 18
DTSC - SITE CLEANUP PROGRAM	SENATE DISTRICT: 07
RWQCB 2 - SAN FRANCISCO BAY	
US EPA - LEAD AGENCY	

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION NONE SPECIFIED	
POTENTIAL CONTAMINANTS OF CONCERN NONE SPECIFIED	POTENTIAL MEDIA AFFECTED NONE SPECIFIED

Site History

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7000 EAST AVENUE
LIVERMORE, CA 94550
ALAMEDA COUNTY
SITE TYPE: STATE RESPONSE OR NPL

PROJECT MANAGER:	YUN-HU HSU
SUPERVISOR:	NATHAN UNAL
OFFICE:	CLEANUP BEF
CENSUS TRACT:	6001451101
CALENVIROSCREEN PERCENTILE SCORE:	25-30%

[Summary](#) | [Activities](#) | [Community Involvement](#) | [Site/Facility Docs](#) | [Sub-Areas](#) | [Map](#) | [Related Sites](#) | [CalEnviroScreen](#)

Site Information

CLEANUP STATUS
ACTIVE AS OF 5/1/1986

SITE TYPE: STATE RESPONSE OR NPL
NATIONAL PRIORITIES LIST: YES
ACRES: 800 ACRES
APN: 99A-1475-5-7
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM
RWQCB 2 - SAN FRANCISCO BAY
US EPA - **LEAD AGENCY**

ENVIROSTOR ID:	01730095
SITE CODE:	200057
SPECIAL PROGRAM:	
FUNDING:	FEDERAL DOE FUNDED
ASSEMBLY DISTRICT:	16
SENATE DISTRICT:	05

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
RESEARCH - OTHER, RESEARCH - WEAPONS

POTENTIAL CONTAMINANTS OF CONCERN
CHROMIUM VI
POLYCHLORINATED BIPHENYLS (PCBS)
TRITIUM
[VOLATILE ORGANICS \(8260B VOCS\)](#)

POTENTIAL MEDIA AFFECTED
AQUIFER USED FOR DRINKING WATER SUPPLY AFFECTED, SOIL

Site History

The Site was converted from agricultural use when the U.S. Navy began operation of the Livermore Naval Air Station in 1942. The Navy used the Site until 1946 as a flight training base for aircraft assembly, repair, and overhaul. Solvents, paints, and degreasers were routinely used during this period. Between 1946 and 1950, the Navy housed the Reserve Training Cor at the Site. In 1950, the Navy allowed occupation of the Site by the Atomic Energy Commission (AEC), which formally received transfer of the Site in 1951. Under the AEC, the Site beca weapons design and basic physics research laboratory. In 1952, the Site was established as a separate part of the University of California Radiation Laboratory. Responsibility for the Site transferred to the Energy, Research, and Development Administration in 1975 and then to the U.S. Department of Energy in 1977. There is evidence that localized spills, unlined disposal and landfills, and leaking tanks and impoundments contributed to the release of volatile organic compounds, fuel hydrocarbons, metals, and tritium during the laboratory operations that occurred after the Navy left the Site. Technical documents prepared as part of the Site cleanup can be found on the Lawrence Livermore National Laboratory, Environmental Restoration Division Web site at <http://www-erd.llnl.gov/library/index.html#reports>

HH 7/29/20

[Back to Top](#)

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL

ENVIROSTOR

LAWRENCE LIVERMORE NATIONAL LAB (80001246)

SIGN UP FOR EMAIL

7000 EAST AVE
LIVERMORE, CA 945500000
ALAMEDA COUNTY
SITE TYPE: CORRECTIVE ACTION

OFFICE: CLEANUP BEF
CENSUS TRACT: 6001451101
CALENVIROSCREEN PERCENTILE SCORE: 25-30%

[Summary](#) | [Activities](#) | [Site/Facility Docs](#) | [Sub-Areas](#) | [Map](#) | [Related Sites](#) | [CalEnviroScreen](#) | [Permitting](#) | [Enforcement / Inspections](#)

Site Information

CLEANUP STATUS

REFER: SMBRP AS OF 4/13/2012

SITE TYPE: CORRECTIVE ACTION

NATIONAL PRIORITIES LIST: YES

ACRES: 823 ACRES

APN: 99A-1475-5-7

CLEANUP OVERSIGHT AGENCIES:

DTSC - SITE CLEANUP PROGRAM

RWQCB 2 - SAN FRANCISCO BAY

US EPA - **LEAD AGENCY**

ENVIROSTOR ID: 80001246

SITE CODE: 200277

SPECIAL PROGRAM:

FUNDING:

ASSEMBLY DISTRICT: 16

SENATE DISTRICT: 05

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION

AEROSPACE MANUFACTURING/MAINTENANCE, RESEARCH - WEAPONS

POTENTIAL CONTAMINANTS OF CONCERN

[VOLATILE ORGANICS \(8260B VOCS\)](#)

POTENTIAL MEDIA AFFECTED

OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL, SOI VAPOR

Site History

INTRODUCTION

The Lawrence Livermore National Laboratory (LLNL) is owned by the U.S. Department of Energy (DOE) and is jointly operated by DOE and Lawrence Livermore National Security, LLC (LLNS), a limited liability partnership between Bechtel National, the University of California, BWX Technologies, Washington Group International, and Battelle Memorial Institute. LLNL is an onsite hazardous waste generator and is regulated by the Department of Toxic Substances Control (DTSC) as an onsite hazardous waste treatment and storage facility.

HISTORY

Prior to 1942, the LLNL main site was part of Wagoner Ranch and was used for grain production and cattle grazing. In 1942 the U.S. Navy acquired and operated the site as the Livermore Naval Air Station. The Navy used the site until 1946 as a flight training base and for aircraft assembly, repair and overhaul. Solvents, paints and degreasers were routinely used during this period. Between 1946 and 1950, the Navy housed the Reserve Training Command at the site. In 1950, the Navy allowed occupation of the site by the Atomic Energy Commission (AEC) which formally received transfer of the site in 1951.

Under the AEC, the Site became a weapons design and basic physics research laboratory. In 1952, the Site was established as a separate part of the University of California Radiation Laboratory. In 1958, after the death of Ernest O. Lawrence, the Laboratory was renamed the Lawrence Radiation Laboratory. Responsibility for the Site was transferred to the Energy, Research, and Development Administration in 1975 and then to the DOE in 1977. The Laboratory was renamed the Lawrence Livermore National Laboratory in 1979. There is evidence of localized spills, unlined disposal pits and landfills, and leaking tanks and impoundments contributed to the release of volatile organic compounds, fuel hydrocarbons, metals, and tritium from the laboratory operations that occurred after the Navy left the Site. Technical documents prepared as part of the Site cleanup can be found on the Lawrence Livermore National Laboratory Environmental Restoration Division Web site at <http://www-erd.llnl.gov/library/index.html#reports>

The Permittee, DOE and LLNS, operates a research and development facility that occupies approximately 823 acres. The facility has been used since 1951 to conduct research and development programs on nuclear weapons, magnetic fusion, energy, lasers, biomedical and environmental sciences, and applied energy technology. In addition to the research and development activities, other activities at the facility include numerous institutional support operations which supply security, occupational safety, employee health services, fire suppression, emergency response, facility and infrastructure maintenance and construction, environmental and public protection, and waste management.

REGULATORY HISTORY

In 1983, the State of California authorized hazardous waste management operations at LLNL in accordance with an Interim Status Document. In November 1999, DTSC authorized continued hazardous waste management activities at the site in accordance with a full Resource Conservation and Recovery Act (RCRA) equivalent Permit. LLNL is categorized as a large storage facility and as a small treatment facility. The Permit has been modified and updated many times since November 1999 to ensure that it remains a current and enforceable document. The LLNL Permit is scheduled to expire in November 2009 and the public will have an opportunity to participate in the permit renewal process.

PERMIT

The research and development programs and support operations at the LLNL main site generate non-hazardous, hazardous, radioactive and mixed wastes. Hazardous and mixed waste treatment processes conducted at the facility include both chemical and physical treatment. The Permittee also stores hazardous and mixed wastes at the facility in containers and tanks

hazardous and mixed waste management units (groups) authorized under the Permit are as follows:

- Area 612 Storage/Treatment Unit Group (S/TUG),
- Building 693 Container Storage Unit (CSU) Group,
- Building 695 S/TUG,
- Building 696 S/TUG.

Buildings 693, 695 and 696 are located at the northeastern corner of the LLNL property. These buildings, along with several adjacent support buildings, are commonly known as the Decontamination and Waste Treatment Facility (DWTF). Each of the S/TUG and CSU groups listed above is comprised of individual treatment and storage units.

HAZARDOUS WASTE MANAGEMENT UNIT CLOSURES

LLNL have closed, or are in the process of closing, several former hazardous waste management units at the site. On June 29, 2007, DTSC accepted the closure certification report for / 514, the former wastewater treatment area. Wastewater treatment now occurs at Building 695 S/TUG. On June 30, 2008, DTSC accepted the closure certification report for the Building CSU, a former high-curie, classified mixed waste storage area. The Building 233 CSU was replaced by the Building 696 group. In September 2007, LLNL submitted a revised closure plan for Building 419, a former hazardous and mixed waste treatment unit. Treatment historically conducted at Building 419 included solidification and size reduction. The closure plan is currently being reviewed by DTSC.

[Back to Top](#)

[Help](#)

[Disclaimer](#)

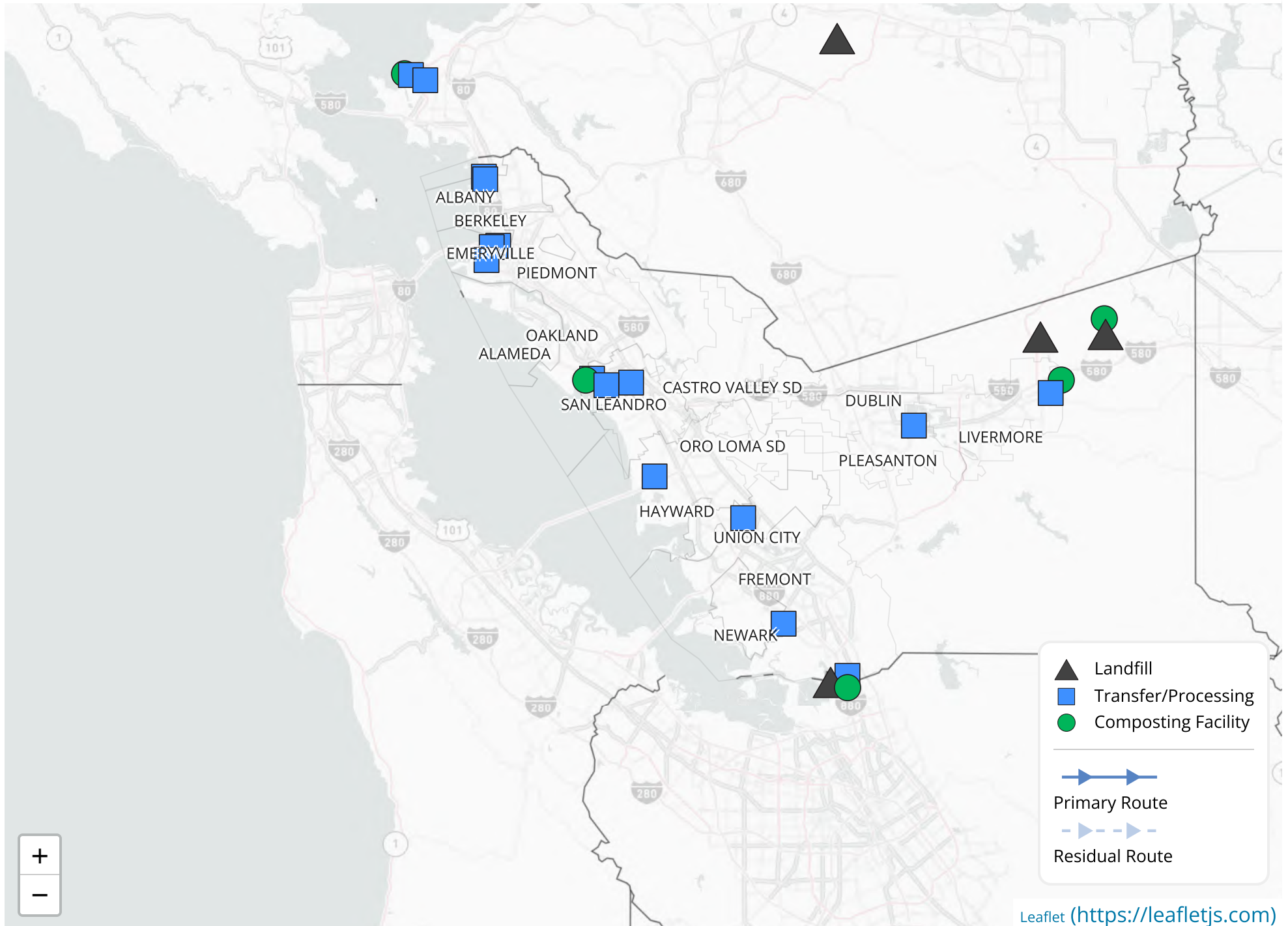
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Routes





BLOCK 11 (60003406)

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PAN AM WAY
ALAMEDA, CA 94501
ALAMEDA COUNTY
SITE TYPE: VOLUNTARY AGREEMENT

PROJECT MANAGER:	YUN-HU HSU
SUPERVISOR:	NATHAN UNA
OFFICE:	CLEANUP BEF
CENSUS TRACT:	6001428700
CALENVIROSCREEN PERCENTILE SCORE:	75-80%

[Summary](#) | [Activities](#) | [Site/Facility Docs](#) | [Map](#) | [Related Sites](#) | [CalEnviroScreen](#)

Site Information

CLEANUP STATUS
INACTIVE - NEEDS EVALUATION AS OF 2/14/2025

SITE TYPE: VOLUNTARY AGREEMENT
NATIONAL PRIORITIES LIST: YES
ACRES: 3 ACRES
APN: NONE SPECIFIED
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM - **LEAD AGENCY**

ENVIROSTOR ID:	60003406
SITE CODE:	202425
SPECIAL PROGRAM:	
FUNDING:	SITE PROPONENT
ASSEMBLY DISTRICT:	18
SENATE DISTRICT:	07

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
NONE SPECIFIED

POTENTIAL CONTAMINANTS OF CONCERN
NONE SPECIFIED

POTENTIAL MEDIA AFFECTED
NONE SPECIFIED

Site History

[Back to Top](#)

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AMCO CHEMICAL (01390001)

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1414 THIRD STREET
OAKLAND, CA 94607
ALAMEDA COUNTY
SITE TYPE: STATE RESPONSE OR NPL

PROJECT MANAGER: [CHINH VU](#)
SUPERVISOR: [NATHAN UNAI](#)
OFFICE: CLEANUP BEF
CENSUS TRACT: 6001402200
CALENVIROSCREEN PERCENTILE SCORE: 90-95%

[Summary](#) | [Activities](#) | [Community Involvement](#) | [Site/Facility Docs](#) | [Map](#) | [Related Sites](#) | [CalEnviroScreen](#)

Site Information

CLEANUP STATUS
ACTIVE AS OF 5/1/2002

SITE TYPE: STATE RESPONSE OR NPL

NATIONAL PRIORITIES LIST: YES

ACRES: 0.83 ACRES

APN: 000O039001013, 004 007301001, 004 007301002, 004 007302100, 004 007302200, 004 007302300, 004007301002

CLEANUP OVERSIGHT AGENCIES:

DTSC - SITE CLEANUP PROGRAM

OAKLAND, CITY OF

US EPA - **LEAD AGENCY**

ENVIROSTOR ID: 01390001

SITE CODE: 200687

SPECIAL PROGRAM:

FUNDING: JOINT STATE/FEDERAL-FUNDED

ASSEMBLY DISTRICT: 18

SENATE DISTRICT: 07

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION

HAZARDOUS MATERIAL - TRANSFER STATION

POTENTIAL CONTAMINANTS OF CONCERN

TPH-DIESEL

TETRACHLOROETHYLENE (PCE)

TRICHLOROETHYLENE (TCE)

VINYL CHLORIDE

POTENTIAL MEDIA AFFECTED

INDOOR AIR, OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER)
SOIL, SOIL VAPOR

Site History

The site was occupied by AMCO Chemical Corp. until December 1989. DTSC inspected the site on August 4, 1988. An order to Fence and Post the site was issued on August 8, 1988. On February 24, 1989 a Report of Violation was issued to correct violations related to leakage of hazardous waste from piping and containers; storage of hazardous waste in deteriorated or otherwise corroded conditions; and unlabeled waste containers. The site was listed on the National Priorities List on 7/1/2004. Since then, U.S. EPA has conducted soil gas, soil and groundwater investigations.

8/21/2018

US EPA prepared (2015) and implemented an Engineering Evaluation/Cost Analysis (EE/CA) to reduce the highest levels of VOCs in the central portion of the site. The primary goal is to reduce potential risks associated with vapor intrusion into structures and residences at and near the site using in-situ thermal heating. Start up of the system began in February 2016 and until January 2017. Approximately 37,000 pounds of mass (3000 pounds of VOCs, and 37,000 pounds of petroleum product) was extracted during this period before the system was disassembled.

After implementation of the EE/CA, residual presence of LNAPL, VOCs and SVOCs were observed in some areas of the Site, in particular areas where thermal heating was not continuous. Between February and March 2019, approximately 4,924 gallons of 4% sodium permanganate and 1,779 gallons of 6% sodium permanganate was injected as part of a pilot study. The permanganate zone of influence ranged between 8 and 15 feet. While VOC concentrations decreased in some wells, cis-1,2 DCE concentrations increased between 160% and 3,846% in other wells. TPHd and TPHg concentrations also increased in some wells. The findings of the study concluded that ISCO injections may not be cost effective and additional injections were postponed.

8/13/2020-LN

[Back to Top](#)

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[DTSC Home](#)

[Help](#)

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ALAMEDA NAS (01970005)

SIGN UP FOR EMAIL

2,616 ACRES IN ALAMEDA, CALIFORNIA
ALAMEDA, CA 94501
ALAMEDA COUNTY
SITE TYPE: CLOSED BASE

PROJECT MANAGER: [YUN-HU HSU](#)
SUPERVISOR: [NATHAN UNA](#)
OFFICE: CLEANUP BEF
CENSUS TRACT: 6001428700
CALENVIROSCREEN PERCENTILE SCORE: 75-80%

[Summary](#) | [Land Use Restrictions](#) | [Activities](#) | [Community Involvement](#) | [Site/Facility Docs](#) | [Sub-Areas](#) | [Map](#) | [Related Sites](#) | [CalEnviroScreen](#)

Site Information

CLEANUP STATUS
ACTIVE AS OF 7/21/2010

SITE TYPE: CLOSED BASE
NATIONAL PRIORITIES LIST: YES
ACRES: 2634 ACRES
APN: 074 089000102, 074 089000102
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM
RWQCB 2 - SAN FRANCISCO BAY
US EPA - **LEAD AGENCY**

ENVIROSTOR ID: 01970005
SITE CODE: 201209, 201971, 202172, 202175, 202280
SPECIAL PROGRAM:
FUNDING: BRAC LEGACY
ASSEMBLY DISTRICT: 18
SENATE DISTRICT: 07

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
ABOVE GROUND STORAGE TANKS, AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, DEGREASING FACILITY, DRY CLEANING, ELECTRIC GENERATION/SUBSTATION, ENGINE TESTING/REPAIR, EQUIPMENT/INSTRUMENT REPAIR, FIRE TRAINING AREAS, FIRING RANGE - SMALL ARMS ETC..., FUEL - AIRCRAFT STORAGE/ REFUELING, FUEL - VEHICLE STORAGE/ REFUELING, FUEL HYDRANT PUMPING STATIONS, HAZARDOUS MATERIAL - TRANSFER STATION, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, ILLEGAL DUMPING, INCINERATOR - OTHER, JET FUEL STORAGE/REFUELING, LAND DISPOSAL / FILL, LANDFILL - CONSTRUCTION, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE, MACHINE SHOP, MAINTENANCE / CLEANING, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, OIL/WATER SEPARATORS, OPEN BURN/OPEN DETONATION, PAINT/DEPAINT FACILITY, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE, PORT, RAILROAD RIGHT OF WAY, RESIDENTIAL AREA, RETAIL - SERVICE STATION, SAND BLASTING, SHIPYARD - SHIP BUILDING/REPAIR, TRANSPORTATION - PIPELINE, UNDERGROUND STORAGE TANKS, VEHICLE MAINTENANCE, WAREHOUSING, WASTE - INDUSTRIAL TREATMENT FACILITY, WASTE - INDUSTRIAL WASTE LINE, WASTE - SEWAGE TREATMENT PLANT

POTENTIAL CONTAMINANTS OF CONCERN
DIOXIN (AS 2,3,7,8-TCDD TEQ)
EXPLOSIVES (UXO, MEC)
LEAD, ORGANIC (TETRAETHYL LEAD)
METALS
[ORGANOCHLORINE PESTICIDES \(8081 OCPS\)](#)
[PETROLEUM](#)
[POLYCHLORINATED BIPHENYLS \(8082 PCBS\)](#)
[POLYFLUORINATED ALKYLATED SUBSTANCES \(PFAS\)](#)
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)
RADIOACTIVE ISOTOPES
[SEMI-VOLATILE ORGANICS \(8270 SVOCs\)](#)
[UNCATEGORIZED](#)
[VOLATILE ORGANICS \(8260B VOCs\)](#)

POTENTIAL MEDIA AFFECTED
INDOOR AIR, NO MEDIA AFFECTED, OTHER GROUNDWATER AFFECTED (USES OTHER DRINKING WATER), SEDIMENTS, SOIL, SOIL VAPOR, SURFACE WATER AFFECTED

Site History

Located adjacent to the San Francisco Bay, the Naval Air Station at Alameda (now referred to as Alameda Point) encompasses 2,634 acres, which consist of 1600 acres of dry land and 1,000 acres of submerged tideland. Alameda Point has been owned and operated by the Department of Defense (DoD) since 1936. Two onsite waste disposal areas were used from 19 through the late 1970's. Both areas are located in bay lands adjacent to San Francisco Bay and are approximately 55 acres (15 acres of landfill) and approximately 110 acres (77 acres of landfill and 33 acres of wetland areas) in size.

Wastes disposed of at the site include waste oil, solvents, paints, scrap metal, garbage, radiological material, aircraft engines, and possibly explosives (munitions and explosives of concern). In addition, it is estimated that 365,000 gallons of aviation fuel have leaked from underground fuel tanks and distribution lines. Numerous plating and painting shops and automotive and equipment repair facilities are also being investigated to determine the extent of contamination resulting from past spills and other disposal practices. Lead-based paints were used throughout the site on buildings, tanks, towers, and other structures contributing to lead contamination in the soil. Use and disposal of radium-based paint resulted in radiological contamination of buildings, drain lines, storm drains, and sewers as well as sediment in the vicinity of the sewer and storm drain outfalls. Pesticides and herbicides were stored and used at the site.

Industrial and commercial activities in the area that predate federal ownership have contributed to contamination at the site. Such activities include an oil refinery, coal gasification plants a borax processing plant. Volatile organic chemicals were disposed of and settled in low lying areas that were eventually covered by the landfill that formed much of the eastern portion c base. This created an irregular layer of subsurface contamination referred to as the "Marsh Crust".

The primary groundwater contamination at Alameda Point consists of several plumes of chlorinated solvents, roughly grouped together as 1C1/2OU-2.1C1/2 A second plume, known as the Benzene/Napthalene plume (or OU-5) straddles Alameda Point and the adjacent Fleet and Industrial Supply Center-Alameda. Polycyclic aromatic hydrocarbons (PAHs) are ubiquitous throughout the Base, as a result of the creation of the base from dredged fill in the mid twentieth century. Concentrations of PAHs are more problematic in certain areas, and there is a di correlation between the timing/source of the fill and the concentration of PAHs.

The Navy initiated investigation of potential PFOA/PFOS in groundwater of the site. The investigation included collecting shallow groundwater samples from a total of IR Sites which pres the highest potential of storing or using PFAS, based on former site activities. The sampling results show that concentrations of PFOA and/or PFOS exceeding the DoD or EPA screening levels were detected in groundwater samples collected at all 6 sites. The Navy submitted a Draft Preliminary Assessment report for PFAS for Alameda Point in June 2020 which summar the findings and proposed upcoming investigations.

HH 7/29/2020

[Back to Top](#)

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