

Google Maps 427 Duboce Ave

←

401 Duboce Ave

All

Street View & 360°



Image capture: May 2021 © 2022 Google

San Francisco, California



Google

Street View - May 2021

Distance to SFO

55,000 feet

Legend

-  401 Duboce Ave
-  San Francisco International Airport

401 Duboce Ave 401 Duboce Ave

San Francisco International Airport

Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Data CSUMB SFML, CA OPC

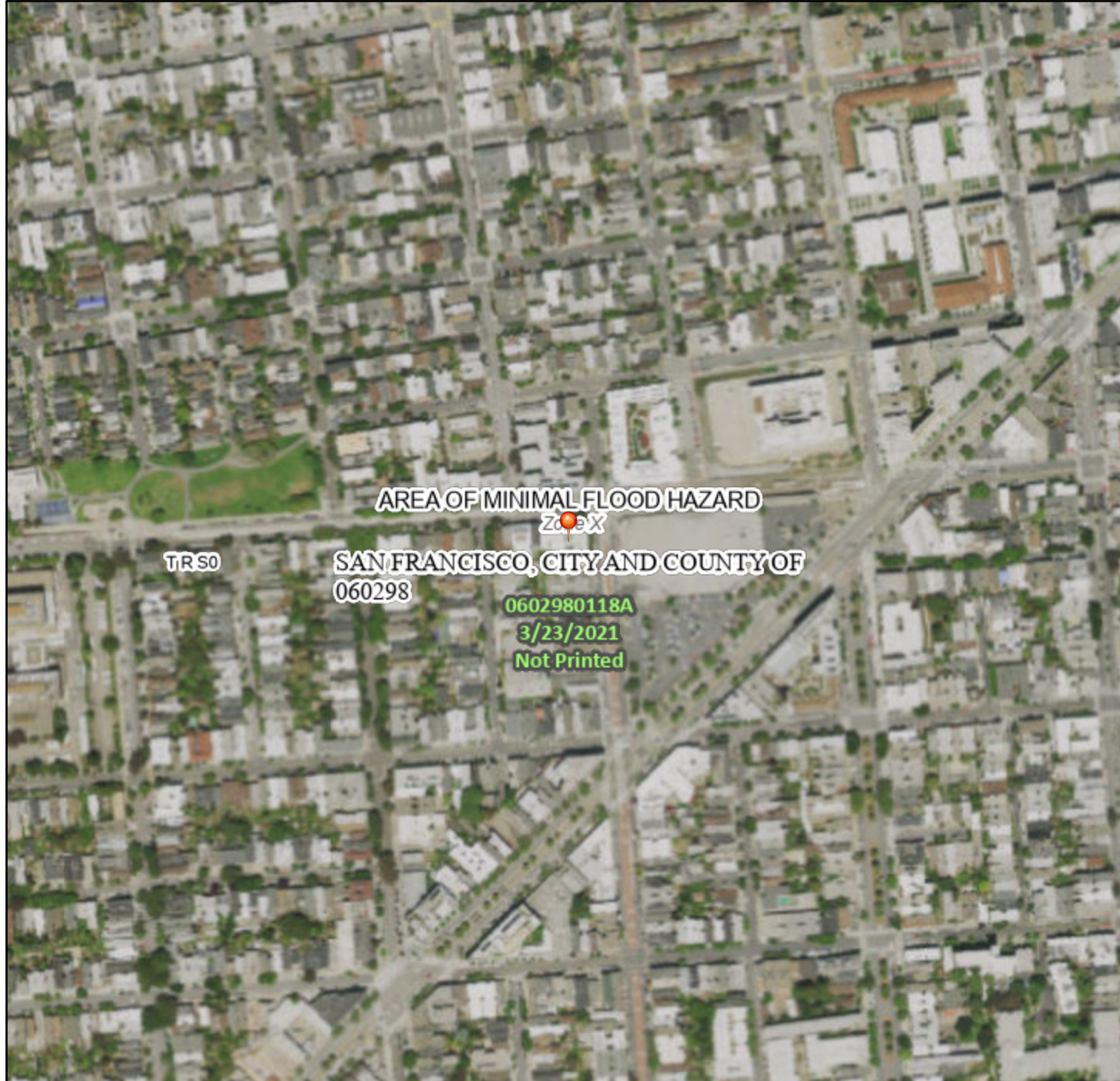


8 mi

National Flood Hazard Layer FIRMette



122°26'5"W 37°46'23"N



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

1:6,000

122°25'27"W 37°45'55"N

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 Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

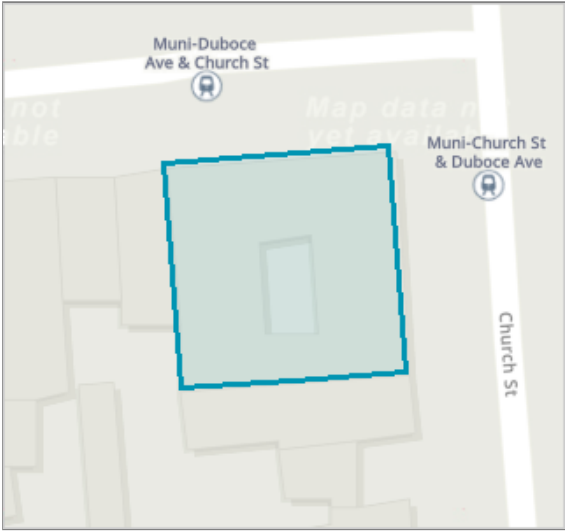
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/14/2022 at 10:39 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.



Report for: **401 DUBOCE AVE**



Property

General information related to properties at this location.

Parcel (Block/Lot)	Parcel History	Address(es) for this Parcel	Reports
3537/001		100 Church St, San Francisco, CA 94114	Assessor Summary
		401 Duboce Ave, San Francisco, CA 94114	Assessor Recorded Documents ↗
			Secured Property Tax Rolls
			Residential Building Records (3-R)

Planning District

District 6 Buena Vista

Current Planning Team

SW Team [↗](#)

Schools (K-12) Within 600ft

None

Port Facilities

None

City Properties

None

Supervisor District

District 8 (Rafael Mandelman) [↗](#)

Census Tract

2010 Census Tract 016900

Neighborhood (Planning Dept)

Castro/Upper Market

Neighborhood Groups Map [↗](#)

Services nearby (street cleaning, parks, MUNI, etc.) [↗](#)

Transportation (transit, ped & bike safety, etc.) [↗](#)

Recommended Plants

Would you like to grow plants that create habitat and save water? Check out the plants that we would recommend for this property at SF Plant Finder [↗](#)

Official Maps

- Assessor's Block Map
- Block Map 2009
- Block Map Current
- Block Book Maps 1980
- Block Book Maps 1960-65
- Block Book Maps 1946
- Block Book Maps 1935
- Historic Sanborn Map

Assessor

Parcel

Address

Mailing Address

3537/001

401 DUBOCE AV

401 DUBOCE AVE
SAN FRANCISCO, CA 94117

Assessed Values		Construction Type	Wood or steel frame
Land	\$613,896.00	Use Type	Hospitals
Structure	\$2,636,178.00	Units	1
Fixtures	-	Stories	2
Personal Property	-	Rooms	23
Last Sale	8/2/1995	Bedrooms	15
Last Sale Price	\$500,000.00	Bathrooms	-
Year Built	1925	Basement	-
Building Area	20,000 sq ft	Parcel Shape	-
Parcel Area	9,997 sq ft	Parcel Depth	-
Parcel Frontage	-		

Owner

Owner Date

MAITRI AIDS HOSPICE
401 DUBOCE AVE
SAN FRANCISCO, CA 94117

8/2/1995

Zoning Information

Planning Department Zoning and other regulations.

Zoning Districts

NCT - Upper Market Neighborhood Commercial Transit

Height & Bulk Districts

40-X

Special Use Districts

Business Zoning Check ^{BETA}

Find out what businesses are permitted at this property

Coastal Zone

Not in the Coastal Zone

Within 1/4 Mile of an Existing Fringe Financial Service [↗](#)

Port

Not under Port Jurisdiction

Sign Regulations

None

Redevelopment Areas

None

Legislative Setbacks

None

Neighborhood-Specific Impact Fees

In addition to those impact fees that apply throughout the City, the following neighborhood-specific impact fees apply to this particular property:

Cultural Districts

None

Market and Octavia Community Infrastructure Impact Fee [↗](#)

Limited and Nonconforming Uses

None

Market and Octavia Inclusionary Affordable Housing Fee [↗](#)

Planning Areas

Market and Octavia [↗](#)

An overview of Development Impact Fees can be found on the Impact Fees Website [↗](#)

Public Realm and Streetscape Plans

Market and Octavia Living Alleys [↗](#)

Mayor's Invest in Neighborhoods Initiative Areas

None

Notice of Special Restrictions

Record No.: 2017-014466CUA

NSR Doc

Uploaded:

NSR Doc CPYogaNoticeSpecialRestrict17May2018

Name: 

Record No.: F882351

Description: MOTION NO. 13888

Permit No.: 1995.207C

NSR Date: 11/9/1995

Community Benefit Districts

Castro/Upper Market [↗](#)

Other Notices and Regulations

Instruction

Do not approve the sign permit for Rite Aid Pharmacy OTC; route it to Lois Scott on the Southwest team.

Added: 4/7/1998

Planner:

Applicant/Requestor:

Active Ground Floor Use Required

Per Planning Code section 145.4, an Active Ground Floor Use may be required. Verify by checking current content of Planning Code (link below).

Read more about this regulation [↗](#)

Added:

Staff Contact:

Fringe Financial Service 1/4-mile buffer

No new fringe financial service shall be permitted as a principal or accessory use within ¼ mile of an existing fringe financial service

Read more about this regulation [↗](#)

Added: 8/20/2012

Staff Contact: Dan Sider

Impact Fee Area

Impact Fee Area

[Read more about this regulation](#)

Added:

Staff Contact:

Market Octavia Interim Procedures

Preservation reviews for remaining unsurveyed properties

[Read more about this regulation](#)

Added: 7/14/2009

Staff Contact: Moses Corrette

PC Section 121.7

Restriction of Lot Mergers in Residential Districts and on Pedestrian-Orientated Streets

[Read more about this regulation](#)

Added:

Staff Contact:

PC Section 134(a)1.(d)

Rear Yard Controls

[Read more about this regulation](#)

Added:

Staff Contact:

PC Section 145.1.d

Required Groundfloor Commercial Uses

[Read more about this regulation](#)

Added:

Staff Contact:

Planning Code Section 155(r) - Curb Cut Restrictions

Curb Cut Restrictions (Sec. 155(r))

[Read more about this regulation](#)

Added:

Staff Contact:

Policy 5.1.2

Restrict Curb Cuts on Transit Preferential Streets

Added:

Staff Contact:

Serpentine Rock

Construction activities are subject to the Dust Control Ordinance requirements contained in San Francisco Health Code Article 22B and San Francisco Building Code Section 106.A.3.2.6. Requirements of the Dust Control Ordinance include, but are not limited to, watering to prevent dust from becoming airborne, sweep or vacuum sidewalks, and cover inactive stockpiles of dirt. These measures ensure that serpentinite does not become airborne during construction.

Added: 3/20/2013

Staff Contact: Chelsea Fordham

Stormwater Management Ordinance

Projects that disturb 5,000 square feet or more of the ground surface must comply with the Stormwater Design Guidelines and submit a Stormwater Control Plan to the SFPUC for review. To view the Guidelines and download instructions for preparing a Stormwater Control Plan, go to <http://stormwater.sfwater.org/>. Applicants may contact stormwaterreview@sfwater.org for assistance.

Read more about this regulation [↗](#)

Added: 8/6/2010

Staff Contact: Joy Navarette

Vision Zero Program

The project is located on a 'high-injury corridor', identified through the City's Vision Zero Program. The Sponsor is encouraged to incorporate pedestrian safety streetscape measures into the project. If the project is required to submit a streetscape plan per Section 138.1 of the Planning Code, planners should refer the project to the Department's Streetscape Design Advisory Team for consideration of additional pedestrian safety streetscape measures

Added:

Staff Contact: Ben Caldwell

Design Guidelines

Area Specific Design Guidelines

Neighborhood Commercial Urban Design Guidelines [↗](#)

The guidelines within the Commerce and Industry Element are intended to preserve and promote positive physical attributes of neighborhood commercial districts and facilitate harmony between business and residential functions.

Market & Octavia Area Plan: Fundamental Design Principles [↗](#)

The Fundamental Design Principles for the Market & Octavia area provide distinct direction for designing new development that is innovative and carefully integrated into the fabric of the area.

Urban Design Guidelines [↗](#)

The Urban Design Guidelines are an implementation document for Urban Design Policy in the General Plan. Sites in National Register, California Register, Article 10 and Article 11 Historic Districts are exempt. They apply in Residential districts only for projects with non-residential uses or residential projects with twenty-five units or more or with a frontage longer than 150'.

Citywide Design Guidelines

Architectural Design Guide for Exterior Treatments of Unreinforced Masonry Buildings during Seismic Retrofit [↗](#)

This design guide should provide guidance on how to maintain the historical character of a building when conducting seismic retrofit.

General information only. Use of this information for specific applications should be determined in each instance by the user and only upon the professional advice of competent experts.

Design Guide Standards for Bird-Safe Buildings [↗](#)

These guidelines should be applied to new construction and alterations that require treatment options to meet the Bird-Safe Building Standards.

Guide to the San Francisco Green Landscaping Ordinance [↗](#)

The guide describes the Green Landscaping Ordinance and helps San Francisco residents and property owners understand the benefits, requirements, and ways to comply with the ordinance.

Planning Code; Public Works Code

Guidelines for Adding Garages and Curb Cuts [↗](#)

These guidelines explain the criteria in which new garages and curb cuts are reviewed when installing to an existing or an historic building.

Guidelines for Ground Floor Residential Design [↗](#)

The Ground Floor Residential Design Guidelines (Draft) promote buildings that enhance the pedestrian experience and the livability of dwelling by encouraging the ground floor to contribute to active, safe, and comfortable streets.

Draft Document

Standards for Storefront Transparency [↗](#)

These standards promote a transparent storefront that welcomes customers inside with products and services on display, discourage crime with more "eyes on the street," reduced energy consumption with use of natural light, and enhances the curb appeal and value of the store and the entire neighborhood.

Planning Code Requirements for Commercial Buildings

Better Streets Plan [↗](#)

The Better Streets Plan contains guidelines that focus on pedestrian comfort, safety, and the usability of streets as public spaces. They contain pedestrian-oriented guidelines for curb lines, crosswalks, and other street design features to enable generous, usable public spaces.

Commission Guide for Formula Retail [↗](#)

The purpose of this document is to evaluate the appropriateness of each individual formula retail establishment's use, design, and necessity to help preserve the character of the City's neighborhoods.

Aligns with Planning Code Sections 303.1, 703.3, 803.6(c), Article 6, Article 11

Standards for Window Replacement [↗](#)

With such a variety of different window shapes, muntin profiles, methods of operation and configurations, windows can alter the appearance of a building or overall neighborhood character. These standards are meant to inform the applicant on these details and provide design standards that allow new or replacement windows to be approved.

Zoning Letters of Determination

2017-001841ZAD Zoning Administrator Determination Letter (ZAD) 100 Church Street - ZAD Request

Opened: 2/14/2017

Status: Closed - Issued 7/17/2017

Assigned Planner: Planning counter: pic@sfgov.org Tel: 628.652.7300

Request for Letter of Determination - for possible Medical Cannabis Dispensary MCD facility

2016-001901ZAV Zoning Administrator Verification Letter (ZAV) 100 Church Street - ZAV Request

Opened: 2/10/2016

Status: Closed - Withdrawn 2/11/2016

Assigned Planner: Dito Matthew: matthew.dito@sfgov.org Tel: 628-652-7358

Request for Zoning Verification Letter

2015-015882ZAD Zoning Administrator Determination Letter (ZAD) 100 Church Street - ZAD Request

Opened: 12/3/2015

Status: Closed - Issued 12/29/2015

Assigned Planner: Planning counter: pic@sfgov.org Tel: 628.652.7300

Request for Letter of Determination

Official Zoning Maps

[View Zoning District Map - ZN7](#)

[View Height District Map - HT7](#)

[View Special Use District Map - SU7](#)

[View Preservation District Map - PD7](#)

[View Special Sign District Map - Citywide - SS01](#)

[View Special Sign District Map - Detailed - SS02](#)

Environmental Information

The two sections below list environmental monitoring requirements and general environmental topics related to this property.

CEQA Information

Known environmental issues related to this property are listed below. Under the California Environmental Quality Act (CEQA), certain types of work on this property may require additional environmental review.

Air Pollutant Exposure Zone

[Health Code Article 38](#)

Site is located in an area with elevated pollutant concentrations. Sensitive use buildings, as defined in the Applicability section of the Ordinance, must comply with Health Code Article 38.

CEQA Impact: An Environmental Evaluation Application may be required for projects that generate air pollutants.

[Read more about this regulation](#)

Added: 12/7/2014

Archeologically Sensitive Areas

An Environmental Evaluation Application may be required for some types of development.

Added: 3/20/2013

Cortese List – State Database of Hazardous Sites

[California Government Code Section 65962.5](#)

Not applicable.

Flooding: 100-Year Storm Flood Risk Zone (Stormwater)

Not applicable.

Flooding: FEMA FIRM Flood Hazards (Coastal)

This location does not fall within a Special Flood Hazard Area (SFHA) pursuant to the Federal Emergency Management Agency's (FEMA's) Flood Insurance Rate Maps (FIRM). [Read more about the City's Floodplain Management Program](#) and the Floodplain Management ordinance [or contact the City Administrator's Office at \[floodplainadminister@sfgov.org\]\(mailto:floodplainadminister@sfgov.org\)](#).

AREA OF LOW OR MINIMAL FLOOD RISK

This location has an area of Low or Minimal Flood Risk - Flood Zone: X Unshaded

"Shaded" Zone X represents areas of moderate or low flood risk – these areas are subject to inundation during a flood having a 0.2-percent-annual-chance of occurrence, or during the 1-percent-annual-chance flood with depth less than 1 foot. "Unshaded" Zone X represents areas of minimal flood risk or areas that FEMA did not study or map. For San Francisco, FEMA did not study or map inland areas where stormwater flooding occurs during heavy rains. Flood insurance purchase requirements do not apply in these areas, but flood insurance may be purchased at reduced cost.

Maher Ordinance
Health Code Article 22A [↗](#)
Not applicable.

Seismic Hazard – Landslide
Not applicable.

Seismic Hazard – Liquefaction
Not applicable.

Serpentine Rock
Not applicable.

Slopes of 20% or Greater
Not applicable.

Slopes of 25% or Greater
Not applicable.

Slope Protection Areas - San Francisco Building Code
Not applicable.

Historic Preservation

Historic preservation surveys and evaluations. The Historic Resource status shown on this page is tentative, to confirm the status of your property please speak to a Preservation Technical Specialist. Tel: 628.652.7300; Email: pic@sfgov.org. For a glossary of terms, visit the Help section of this site.


Historic Evaluation
Planning Dept. Historic Resource Status:
A - Historic Resource Present [↗](#)
Parcel: 3537/001
Building Name: 401 Duboce Ave
Address: 100 CHURCH ST

Article 10 Designated Historic Districts and Landmarks
None

Article 11 Preservation Designation
None

Status Reason: Historic Survey
Result

Mills Act

Properties with Mills Act  approval.
None

Neighborhood Commercial Corridors Historic
Resources Survey in Progress. Check historic
resource status with Preservation Planning Staff.

Legacy Business Registry

None

This property is part of a community-sponsored
survey: Duboce Triangle Extension Survey. Please
contact CPC.Survey@sfgov.org for more
information.

National Register of Historic Places

None

California Register of Historical Resources

None

Historic Resource Evaluation Responses

None

Evaluations for the Purposes of CEQA - These evaluations do not result in the automatic listing or
designation of any property within the study area.

Districts: None

Historic Resource Assessments

None

Historic Surveys


Survey Name: Market Octavia

Evaluation Date: 1/1/2010

Parcel: 3537/001

Survey Rating: 3CS

Appears eligible for CR as an
individual property through survey
evaluation.

[View DPR Survey Form for Parcel 3537001](#) 

Historic Context Statements

None

Architecture

Historic Name: 401 Duboce Ave

Year Built:

Architect: Joseph Pasqualetti

Style: Classical Revival/utilitarian

Builder: American Concrete

Stories:

Construction:

Height:

Foundation:

Detail:

Exterior:**Current Use:** commercial and residential**Original****Owner:**

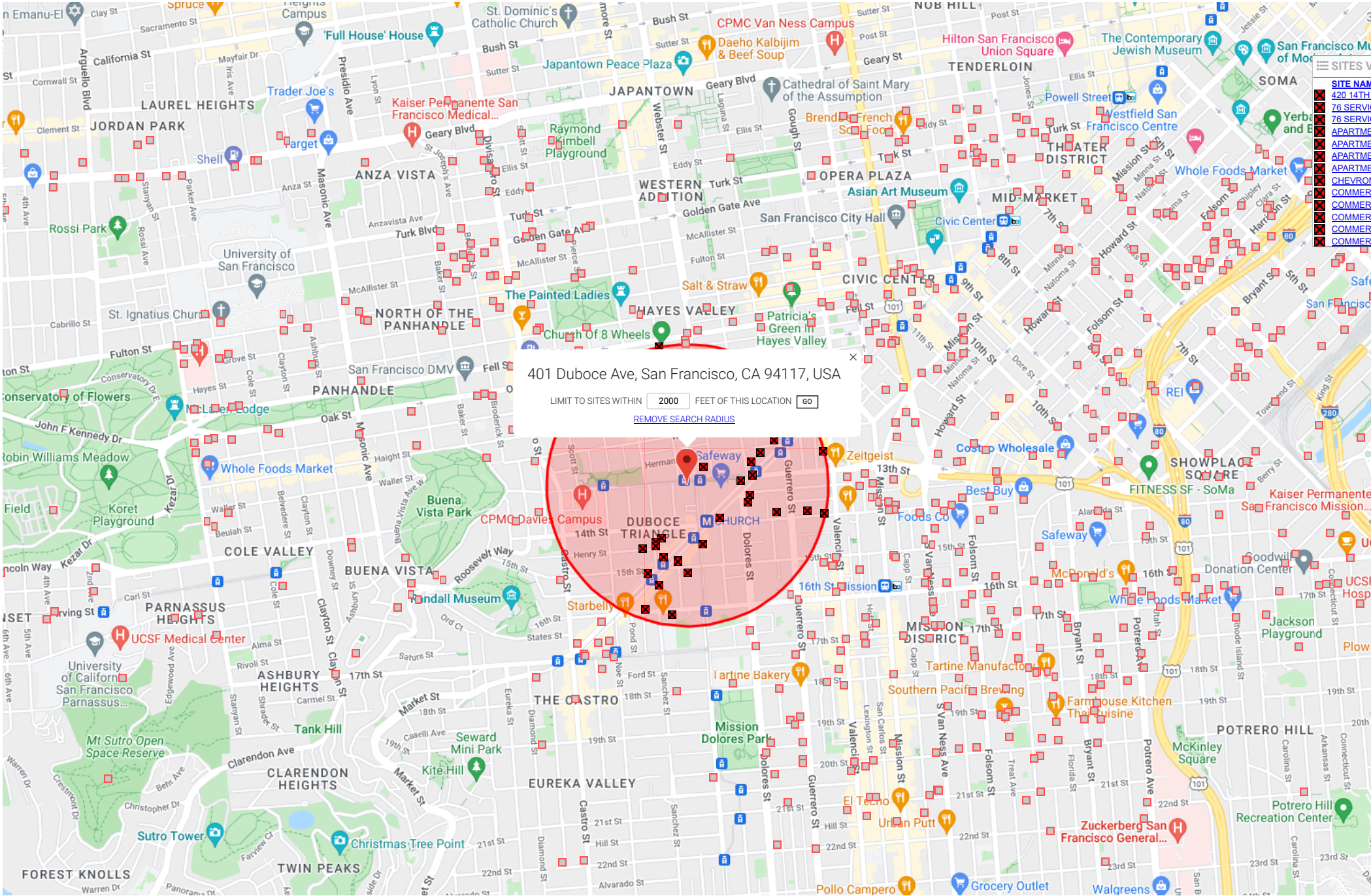
Sources: Historic Context Statement,
Market & Octavia
Neighborhood Plan Area, Page
& Turnbull, Inc. July 20, 2007
Edwards Abstracts, 07/19/1925
Sanborn Maps ¿Obituaries
Joseph A. Pasquale

Alterations:**Original Use:** garage, storage and offices**Original Tenant:****Notes:**

Other Information: In regard to california register criterion 1 (history/events) this property is considered under the 1906 earthquake and fire reconstruction context of the historic context statement, market & octavia neighborhood plan area, since it is both an identified building type (commercial/industrial loft) and dates from the period of significance (1906-1929) of that context. Based on its appearance, the building is also considered under california register criterion 3 (design/construction). There is no indication the property is eligible for listing in the california register under criterion 2 (important persons) or criterion 4 (information potential). Criterion 1: 401 duboce avenue was built in 1925 on formerly vacant land by the contracting firm of american concrete company, and designed by the architect joseph pasqualetti, a founder and partner of the american concrete company. (continued) he was active in san francisco from approximately 1893 through the early 1930s. There is little biographical information available about koenig; however, he designed numerous residences in the richmond district between the 1906 earthquake period and the early 1920s. Charles mohun was a physician with offices and residence on eddy street. Little is known of j. F. Brooke, other than he lived in san jose. The building was known as the st. Cecile hotel. In 1936, it was renamed the commerce hotel, and in 1940, it became the hotel opera. The building is four stories plus basement and had an elevator. In 1913, the adjacent lot to the east was vacant and the surrounding neighborhood filled with a jumble of multiple-story apartment hotels and one- to two-story shops and light industrial buildings. By 1950, several formerly vacant corner lots had been converted to auto uses. 145 fell street is an example of the post-earthquake relocation and reconstruction trends in hayes valley when multiple family buildings were constructed to house the many refugees that poured into the area. Because there were no citywide zoning regulations, residential, industrial and commercial buildings could be built wherever the property owner desired, resulting in the jumbled mix-use character of this block of hayes valley. Criterion 3: 145 fell street is a very good example of the classical revival style as applied to an apartment building in san francisco. The classical revival style became popular in the united states following the 1893 columbian exposition in chicago. In san francisco, the style became popular for both important public buildings as well as speculative apartment buildings and flats. Not dissimilar from the renaissance revival style, the classical revival is distinguished by its incorporation of rusticated brick or stone construction, applied ornamentation, including pilasters, window and doors hoods and casings, and prominent cornices supported by modillions and brackets. 145 fell street displays all of these features and stands out from its neighbors by virtue of its ornament. Integrity: a 1907 rendering of the building reveals that 145 fell street has undergone no substantial alterations. It retains the majority of its character-defining features, including its five-story height, rectangular massing, grid-like fenestration pattern comprising double-hung wood-sash windows, yellow-brick cladding, classical revival decorative elements including segmental arch door hood on scrolled brackets, brick crossette surrounds, intermediary cornice, rusticated pilasters with ionic capitals, triangular pediment caps on scroll brackets, entablatures and an entablature composed of a paneled frieze, modillion blocks, egg-and-dart molding, brackets at the bay divisions, and a projecting cornice and false parapet. Conclusion: 145 fell street appears to be eligible for

listing in the california register of historical resources under criterion 1 (event) and criterion 3 (design/construction) as an intact and well preserved example of a classical revival apartment building constructed during the period of significance (1906-1929) of the 1906 earthquake and fire reconstruction context. The building clearly expresses its association with a broad pattern of san francisco's history and embodies the distinctive characteristics of its type, period and method of construction. Character defining features: character-defining features include its five-story height, rectangular massing, fenestration pattern including double-hung wood-sash windows, yellow-brick cladding, classical revival decorative elements including segmental arch door hood on scrolled brackets, brick crossette surrounds, intermediary cornice, rusticated pilasters with ionic capitals, triangular pediment caps on scroll brackets, entablatures and an entablature composed of a paneled frieze, modillion blocks, egg-and-dart molding, brackets at the bay divisions, and a projecting cornice and false parapet. Conclusion: 37-47 haight street appears eligible for listing in the national register of historic places under criterion a and the california register of historical resources under criterion 1 as 37-47 haight street was part of a wave of rowhouse development by real estate firms that occurred in hayes valley in the mid-1870s. It also appears eligible under criterion c and criterion 3 (design/construction) as an intact and well-preserved example of an italianate rowhouse. With its height and massing, set-back from the street, and period ornamentation 37-47 haight street embodies the distinctive characteristics of a type, period, or method of construction. Character defining features: character-defining features include its three-story height and rectangular massing, its set-back from the street, shiplap wood siding, fenestration pattern with two three-story, semi-hexagonal bay windows with arched, double-hung, wood-sash windows and molded surrounds in the outer bays; central recessed porch containing two wood-panel doors with molded surrounds and arched transoms capped by an entablature and door hood supported by ornamental brackets; italianate ornamentation consisting of colonnettes, molded surrounds, sculpted spandrel panels, entablatures and cartouche ornaments; and parapet wall detailed with an entablature, sculpted panels, dentils, modillions, and a projecting cornice.

1/1

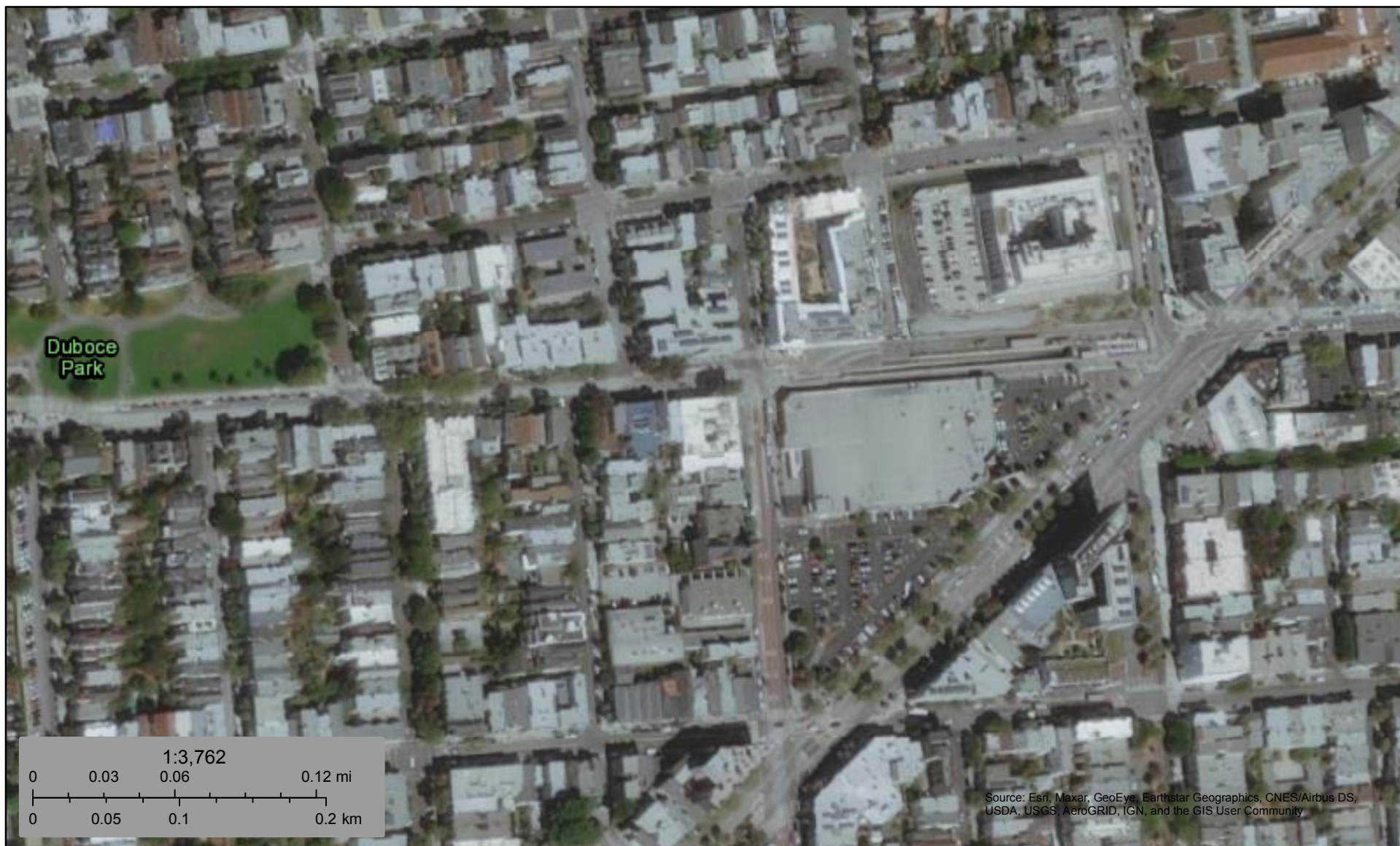




U.S. Fish and Wildlife Service

National Wetlands Inventory

401 Duboce in relation to Wetlands



April 15, 2022

Wetlands

	Estuarine and Marine Deepwater		Freshwater Emergent Wetland		Lake
	Estuarine and Marine Wetland		Freshwater Forested/Shrub Wetland		Other
			Freshwater Pond		Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

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.

Location

San Francisco County, California



Local office

Sacramento Fish And Wildlife Office

☎ (916) 414-6600

📠 (916) 414-6713

Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846

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 species¹ 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 Fisheries²).

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).

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:

Mammals

NAME	STATUS
Salt Marsh Harvest Mouse <i>Reithrodontomys raviventris</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/613	Endangered

Birds

NAME	STATUS
California Least Tern <i>Sterna antillarum browni</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8104	Endangered
Western Snowy Plover <i>Charadrius nivosus nivosus</i> There is final critical habitat for this species. The location of the critical habitat is not available. https://ecos.fws.gov/ecp/species/8035	Threatened

Reptiles

NAME	STATUS
Green Sea Turtle <i>Chelonia mydas</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6199	Threatened

Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> 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/2891	Threatened

Fishes

NAME	STATUS
Delta Smelt <i>Hypomesus transpacificus</i> 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/321	Threatened
Tidewater Goby <i>Eucyclogobius newberryi</i> 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/57	Endangered

Insects

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

Flowering Plants

NAME	STATUS
Franciscan Manzanita <i>Arctostaphylos franciscana</i> 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/5350	Endangered
Marin Dwarf-flax <i>Hesperolinon congestum</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5363	Threatened
Marsh Sandwort <i>Arenaria paludicola</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2229	Endangered

Presidio Clarkia *Clarkia franciscana*

Endangered

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/3890>**Presidio Manzanita** *Arctostaphylos hookeri* var. *ravenii*

Endangered

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/7216>**San Francisco Lessingia** *Lessingia germanorum* (=L.g. var. *germanorum*)

Endangered

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/8174>**White-rayed Pentachaeta** *Pentachaeta bellidiflora*

Endangered

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/7782>

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.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

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 (IF A
BREEDING SEASON IS
INDICATED FOR A BIRD ON
YOUR LIST, THE BIRD MAY
BREED IN YOUR PROJECT AREA
SOMETIME WITHIN THE
TIMEFRAME SPECIFIED, WHICH
IS A VERY LIBERAL ESTIMATE
OF THE DATES INSIDE WHICH
THE BIRD BREEDS ACROSS ITS
ENTIRE RANGE. "BREEDS
ELSEWHERE" INDICATES THAT
THE BIRD DOES NOT LIKELY
BREED IN YOUR PROJECT
AREA.)

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>

Black Oystercatcher *Haematopus bachmani*

Breeds Apr 15 to Oct 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9591>

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 Storm-petrel *Oceanodroma melania*

Breeds May 15 to Nov 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Black Turnstone *Arenaria melanocephala*

Breeds elsewhere

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.

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>

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>

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>

Tricolored Blackbird *Agelaius tricolor*

Breeds Mar 15 to Aug 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/3910>

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.

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.

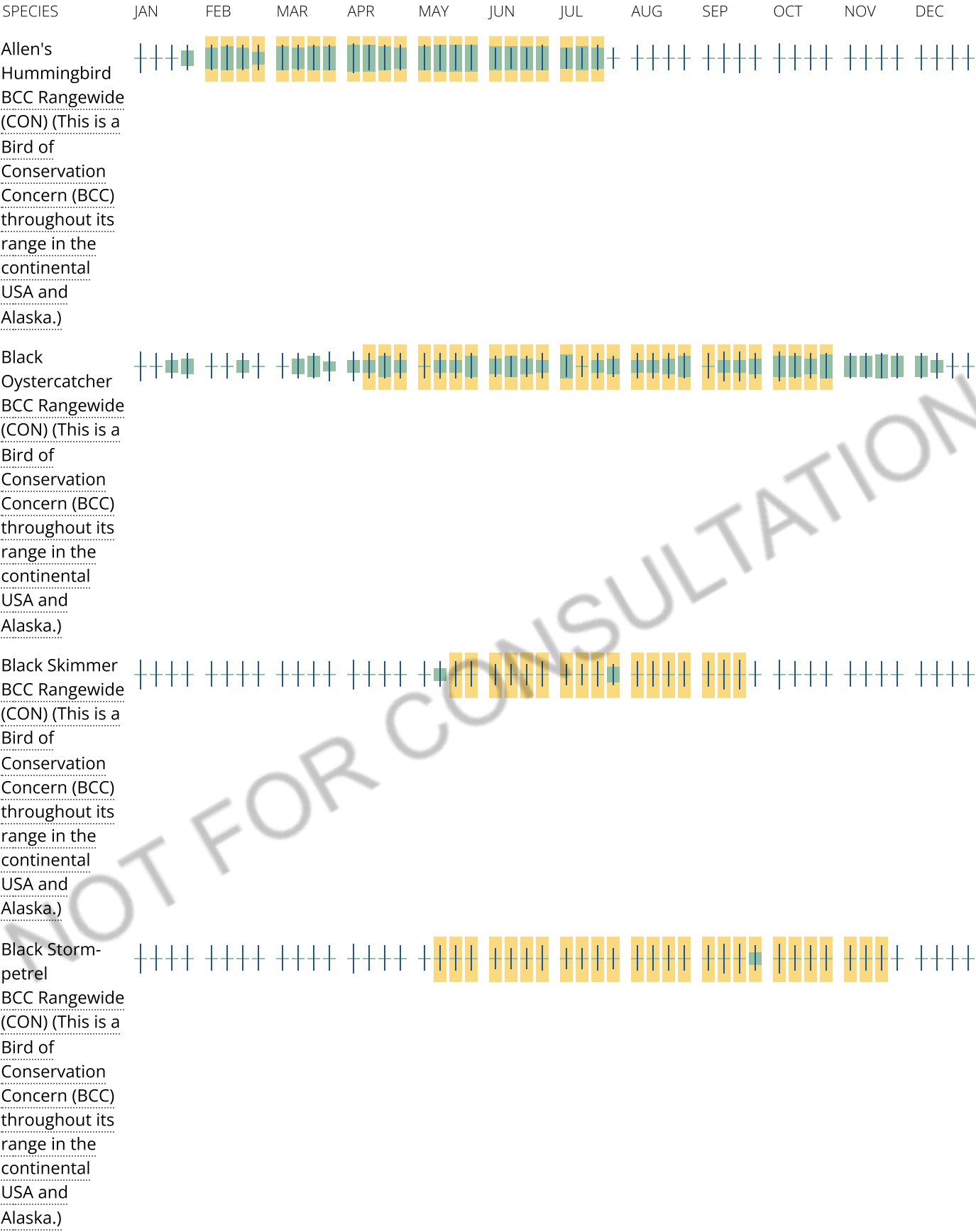
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

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.









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 migratory birds potentially occurring 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 [AKN Phenology 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, migrating or present year-round in my project area?

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 refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). 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 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.

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.

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.

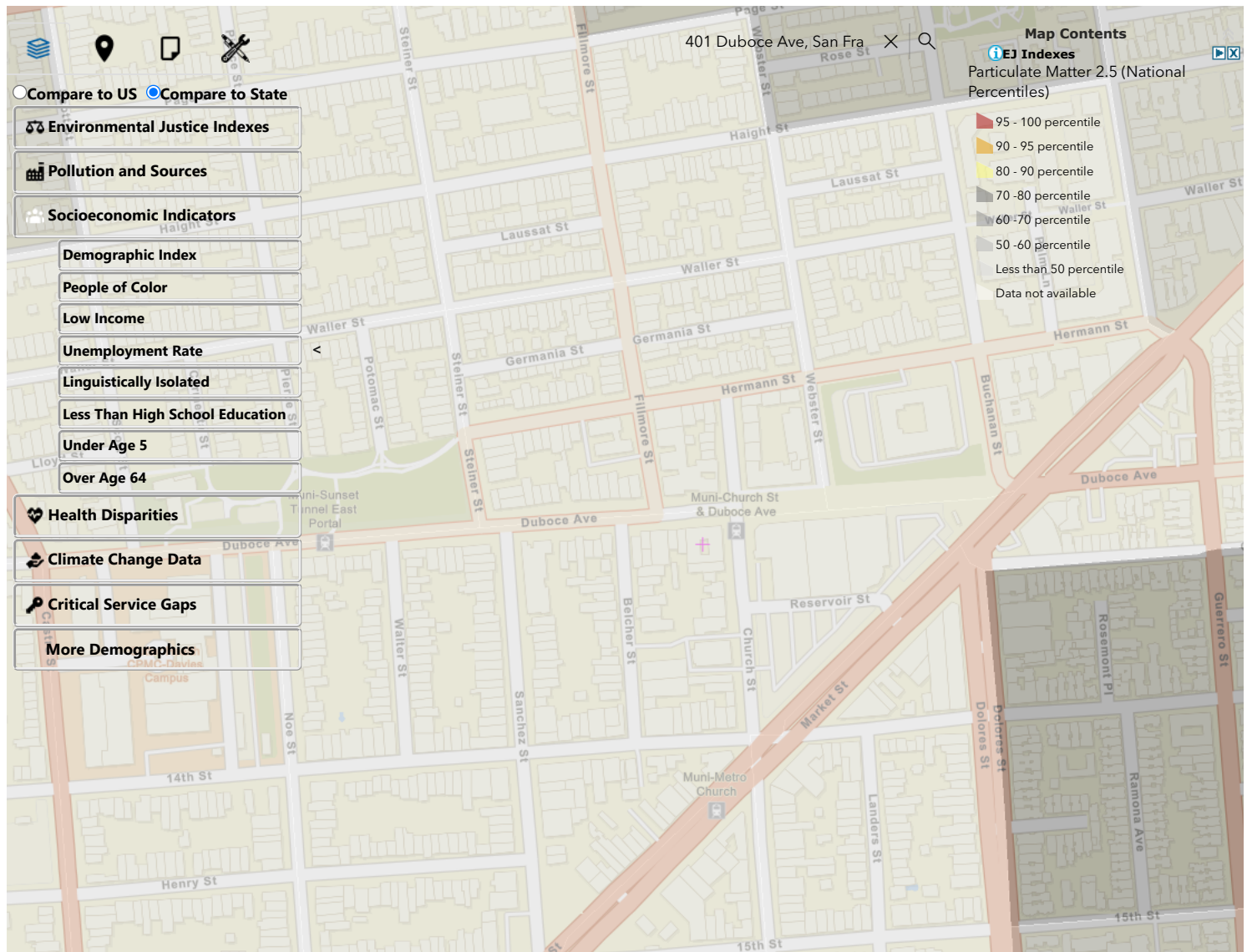
Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

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 tubercid 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.





Search

Area of Interest

Import AOI

Quick Navigation

Address	Value
00000000	00000000
00000004	00000000
00000008	00000000
0000000C	00000000
00000010	00000000
00000014	00000000
00000018	00000000
0000001C	00000000
00000020	00000000
00000024	00000000
00000028	00000000
0000002C	00000000
00000030	00000000
00000034	00000000
00000038	00000000
0000003C	00000000
00000040	00000000
00000044	00000000
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00000068	00000000
0000006C	00000000
00000070	00000000
00000074	00000000
00000078	00000000
0000007C	00000000
00000080	00000000
00000084	00000000
00000088	00000000
0000008C	00000000
00000090	00000000
00000094	00000000
00000098	00000000
0000009C	00000000
000000A0	00000000
000000A4	00000000
000000A8	00000000
000000AC	00000000
000000B0	00000000
000000B4	00000000
000000B8	00000000
000000BC	00000000
000000C0	00000000
000000C4	00000000
000000C8	00000000
000000CC	00000000
000000D0	00000000
000000D4	00000000
000000D8	00000000
000000DC	00000000
000000E0	00000000
000000E4	00000000
000000E8	00000000
000000EC	00000000
000000F0	00000000
000000F4	00000000
000000F8	00000000
000000FC	00000000

View

Address 401 Duboce Avenue San Francisco CA

Show location marker ☒

View

State and County

Soil Survey Area

Latitude and Longitude or Current Location

PLSS (Section, Township, Range)

Bureau of Land Management

Department of Defense

Forest Service

National Park Service

Hydrologic Unit

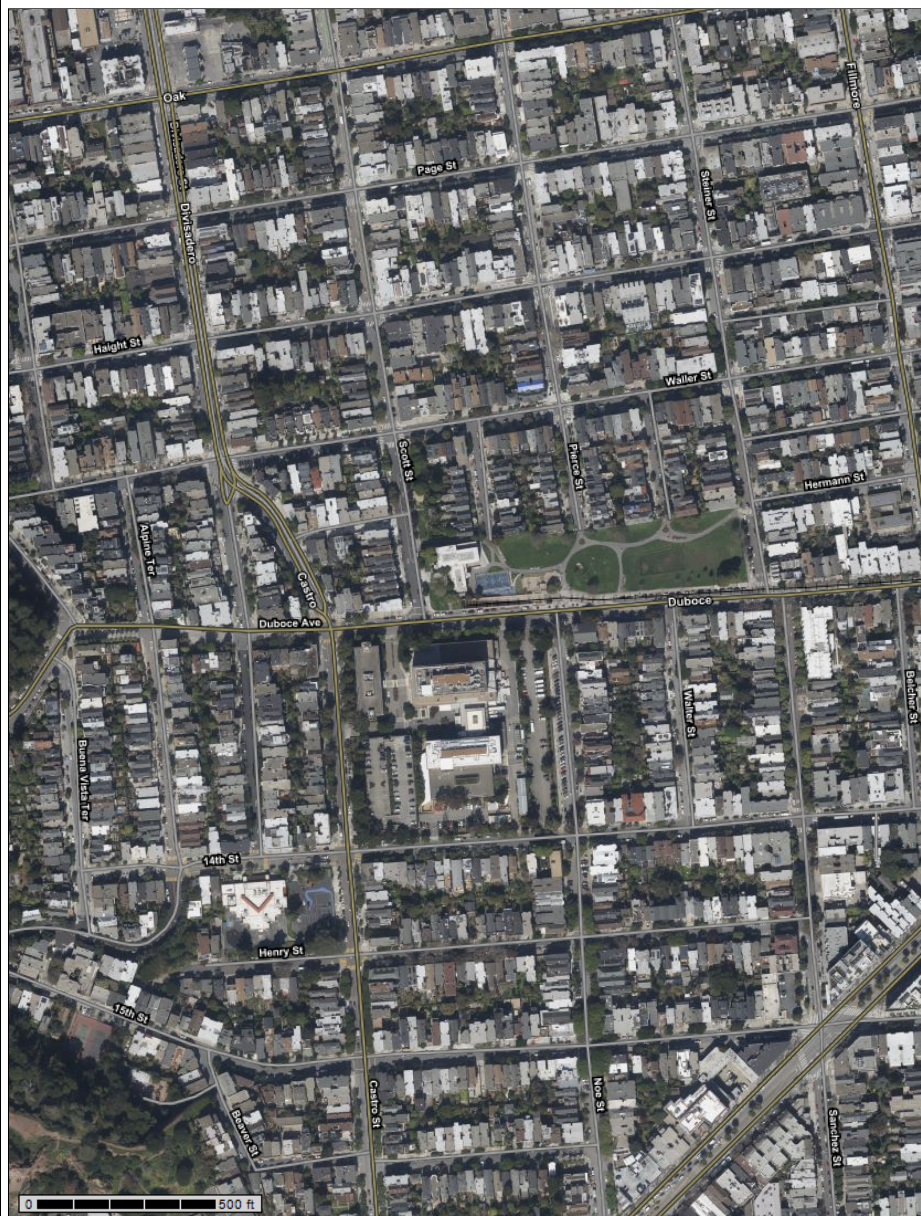
Area of Interest Interactive Map



View Extent

Contiguous U.S.

Scale





Pacific Southwest, Region 9

Serving: Arizona, California, Hawaii, Nevada, Pacific Islands, Tribal Nations

Ground Water

Ground Water Quick Finder

[Ground Water Home](#)
[Class V Wells](#)
[Cesspools in Hawaii](#)

[Onsite Sewage Treatment Permits](#)

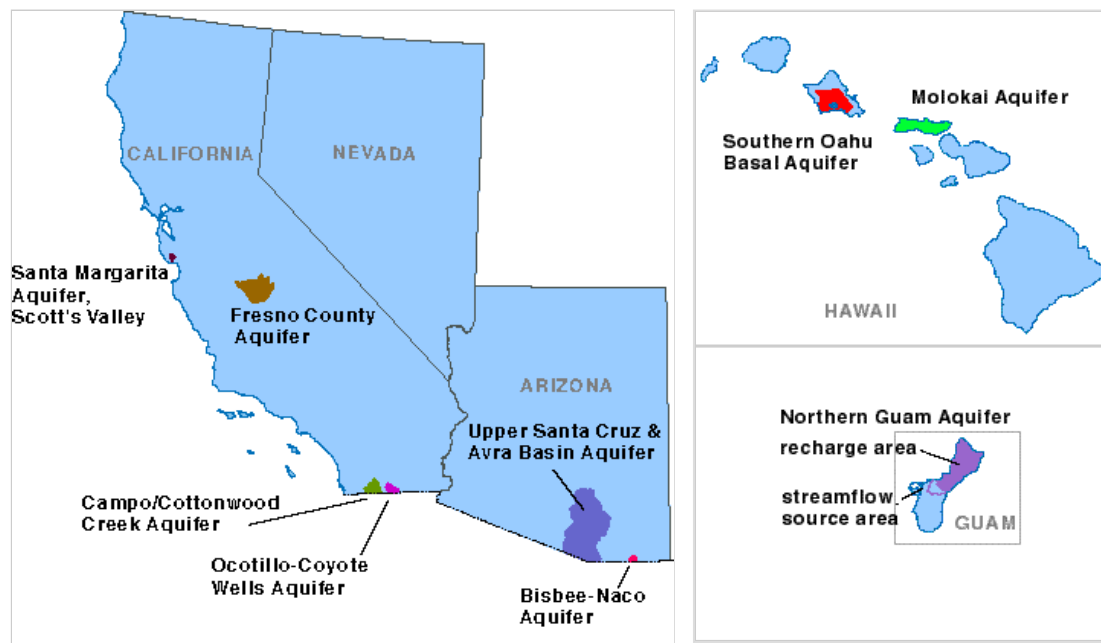
[Sole Source Aquifer Source Water Protection](#)

[Tribal Water Protection](#)
[Underground Injection Wells](#)

Sole Source Aquifer

The EPA's Sole Source Aquifer (SSA) Program was established under Section 1424(e) of the Safe Drinking Water Act (SDWA.) Since 1977, it has been used by communities to help prevent contamination of groundwater from federally-funded projects. It has increased public awareness of the vulnerability of groundwater resources. The SSA program allows for [EPA environmental review \(PDF\)](#) (1pg, 34K) of any project which is financially assisted by federal grants or federal loan guarantees. These projects are evaluated to determine whether they have the potential to contaminate a sole source aquifer.

In Region 9, nine sole source aquifers have been designated:



National Links

[EPA Ground Water & Drinking Water Home](#)

You will need Adobe Reader to view some of the files on this page. See [EPA's PDF page](#) to learn more about PDF, and for a link to the free Adobe Reader.

Maps

Click [here for a national layer](#) including all available coverage for [Sole Source Aquifers \(SSA\)](#) that can be used in Geographic Information Systems (GIS)

State	Sole Source Aquifer Name	Federal Reg. Cit	Publ. Date	Map
AZ	Upper Santa Cruz & Avra Basin Aquifer	49 FR 2948	01/24/84	KMZ PDF (1 pg, 1.3M)
AZ	Bisbee-Naco Aquifer	53 FR 38337	09/30/88	KMZ PDF (1 pg, 175K)
CA	Fresno County Aquifer	44 FR 52751	09/10/79	KMZ PDF (1 pg, 1.3M)
CA	Santa Margarita Aquifer, Scotts Valley	50 FR 2023	01/14/85	KMZ PDF (1 pg, 434K)
CA	Campo/Cottonwood Creek	58 FR 31024	05/28/93	KMZ PDF (1 pg, 321K)
CA	Ocotillo-Coyote Wells Aquifer	61 FR 47752	09/10/96	KMZ PDF (1 pg, 337K)
GU	Northern Guam Aquifer System	43 FR 17867	04/26/78	KMZ PDF (1 pg, 400K)

State	Sole Source Aquifer Name	Federal Reg. Cit	Publ. Date	Map
HI	Southern Oahu Basal Aquifer	52 FR 45496	11/30/87	KMZ PDF (1 pg, 716K)
HI	Molokai Aquifer	59 FR 23063	04/20/93	KMZ PDF (1 pg, 146K)

A map of all nationally designated SSAs is also [available on the Source Water Protection Publications Database](#).

For more information, please contact the Ground Water Office at 415-972-3971 or visit the national [EPA Sole Source Aquifer Program](#) site.

Outreach Documents

[Sole Source Aquifer Fact Sheet \(PDF\)](#) (1pg, 34K)

For Project Planners: [What to submit for EPA review of proposed projects \(PDF\)](#) (1pg, 34K)

Contact Information

See the [Sole Source Aquifer section](#) of the Ground Water contacts page.

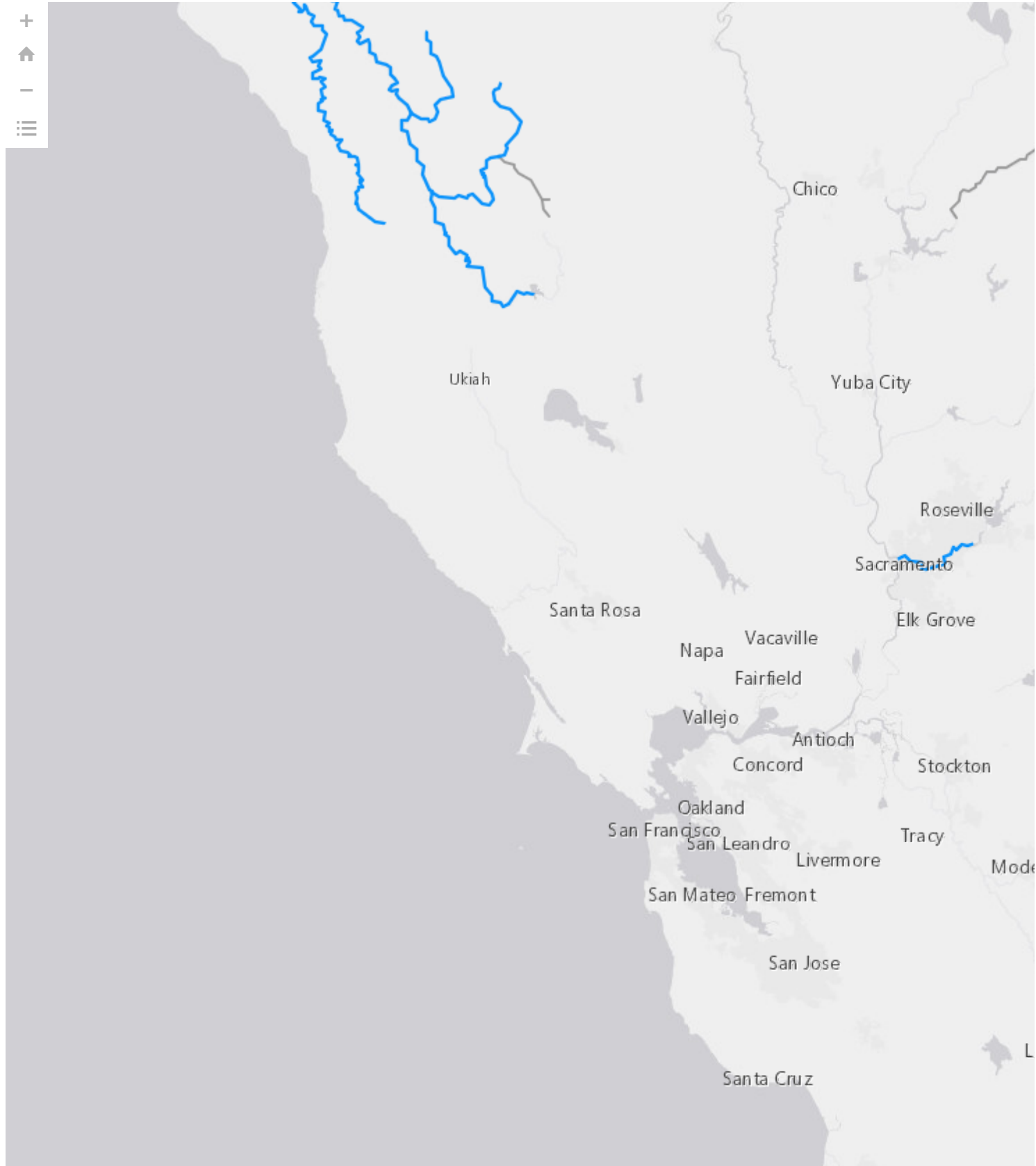
Last updated on 2/14/2017

Wild & Scenic Rivers

▼

Find address or place

🔍



Google Maps 427 Duboce Ave

←

401 Duboce Ave

All

Street View & 360°



Image capture: May 2021 © 2022 Google

San Francisco, California

Google

Street View - May 2021