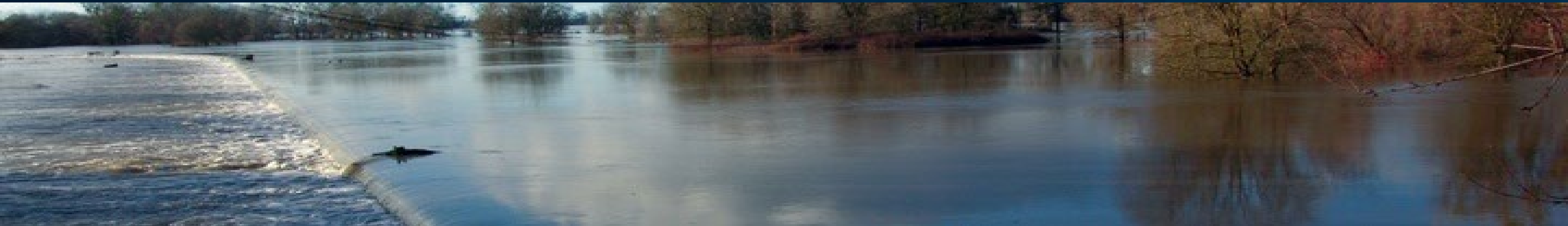


YOLO BYPASS SALMONID HABITAT RESTORATION & FISH PASSAGE (BIG NOTCH) PROJECT INFORMATION IN SUPPORT OF RESOLUTIONS OF NECESSITY

February 21, 2024

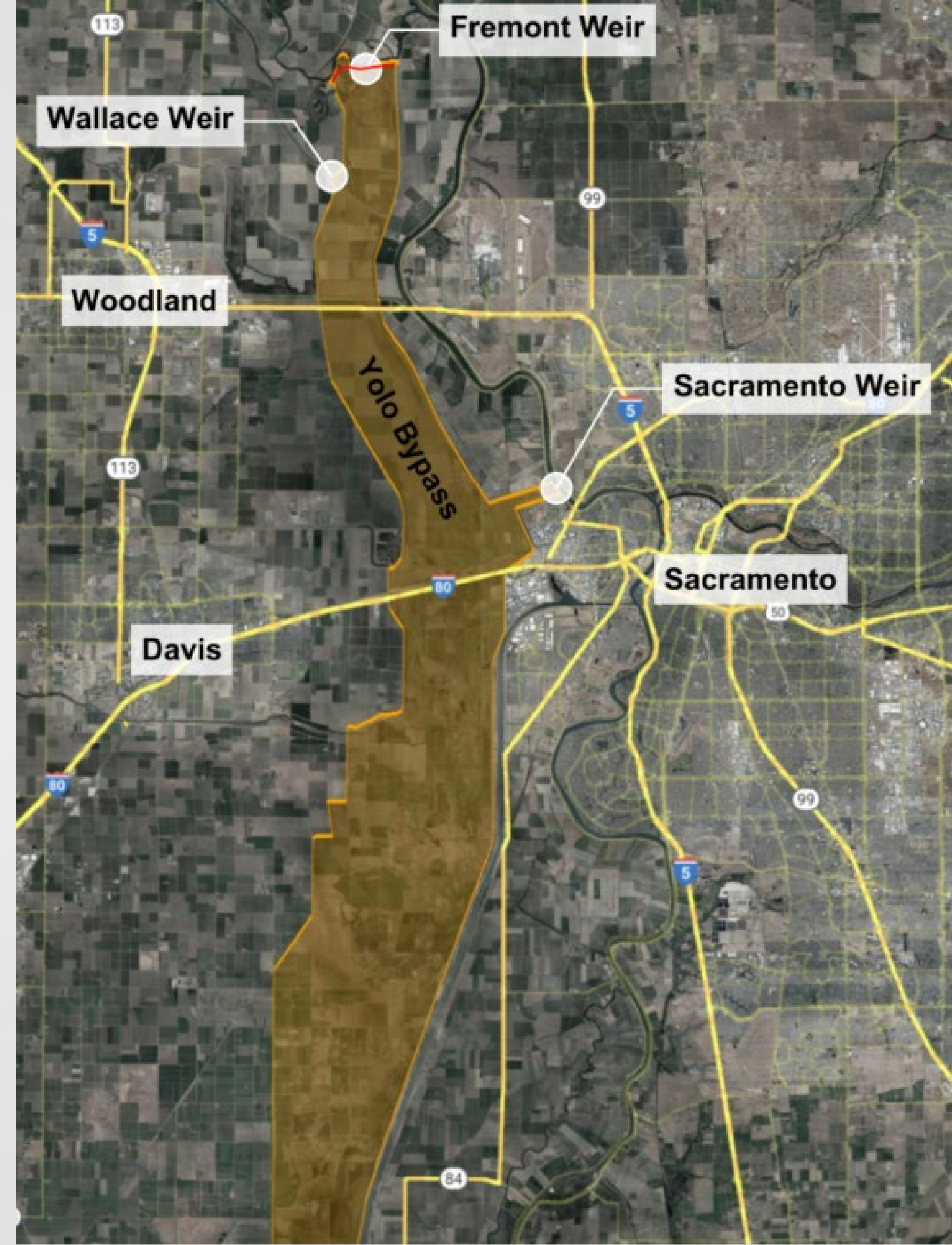


CALIFORNIA DEPARTMENT OF
WATER RESOURCES

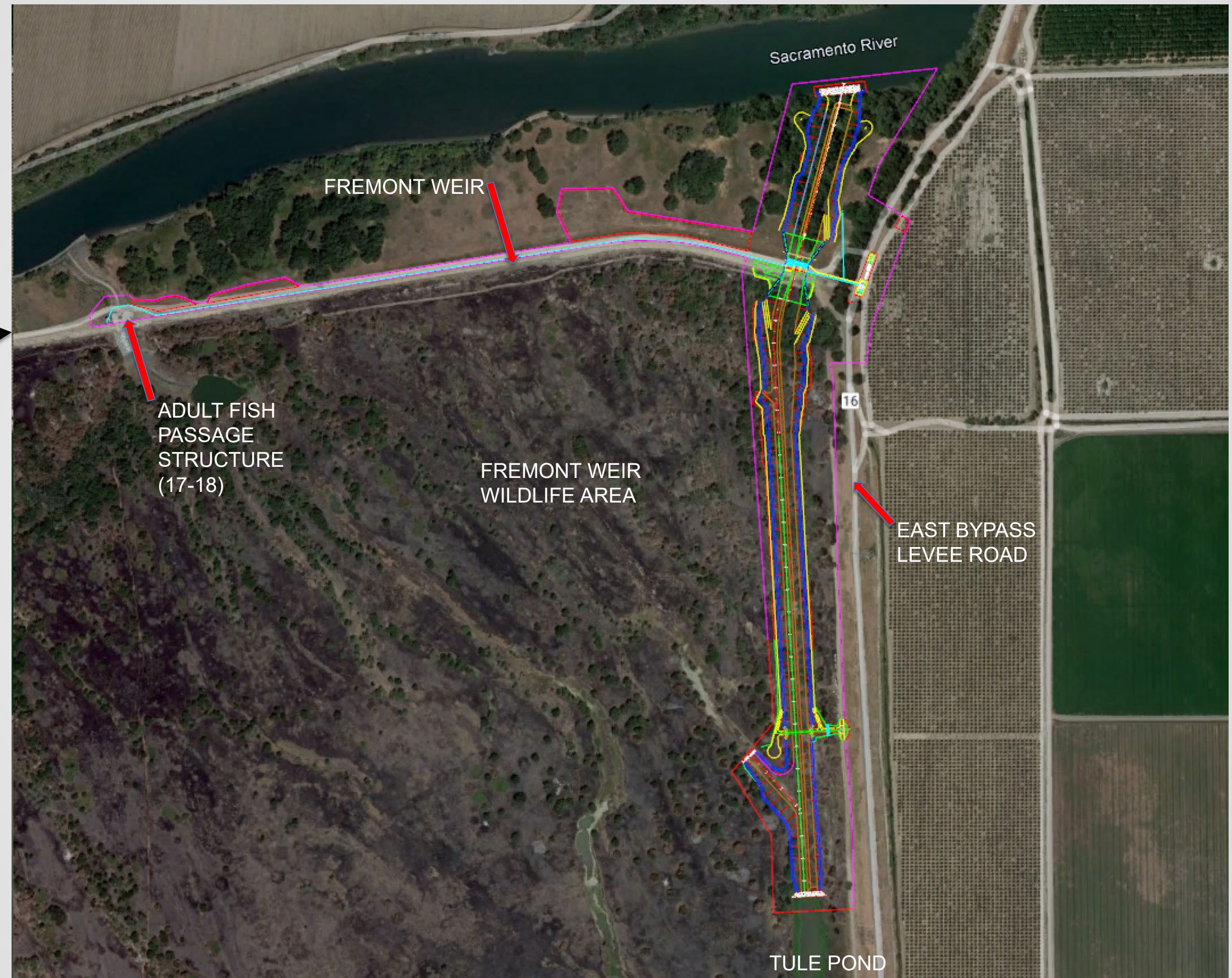
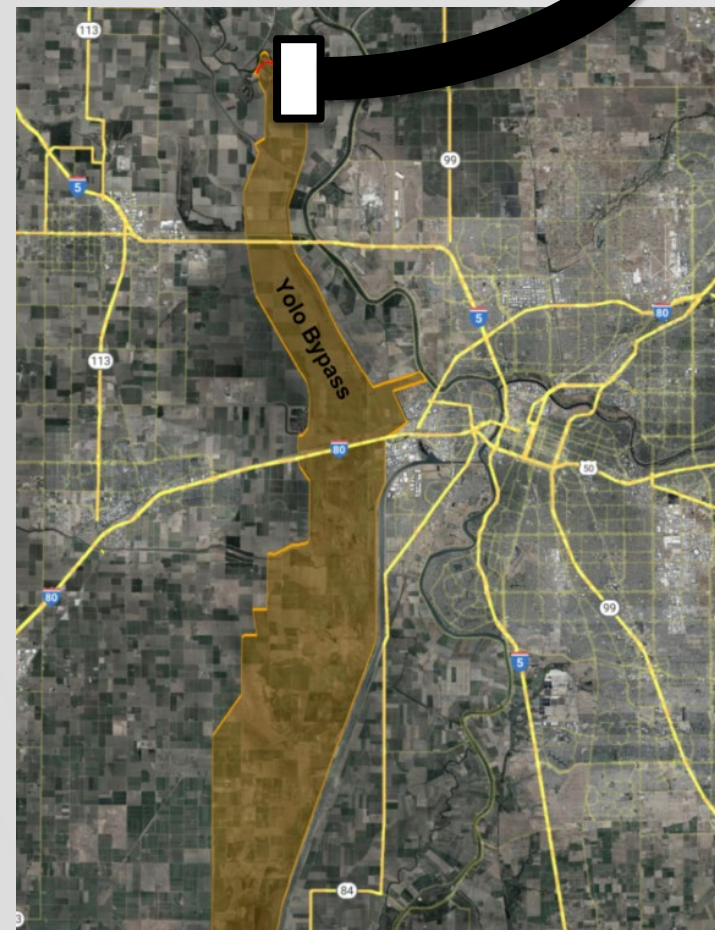
Liz Vasquez, PM
Rachel Taylor, Attorney

Project Description

- Fremont Weir
 - Originally constructed 1924
 - 1.8-mile-long concrete passive weir and apron
 - State Plan of Flood Control facility
 - Diverts flood water into the Yolo Bypass
 - Disconnects the Sacramento River and the floodplain during fish migration periods
- Proposed BNP includes excavated channels and a gated headworks that reintroduce the connection for fisheries purposes



Project Location

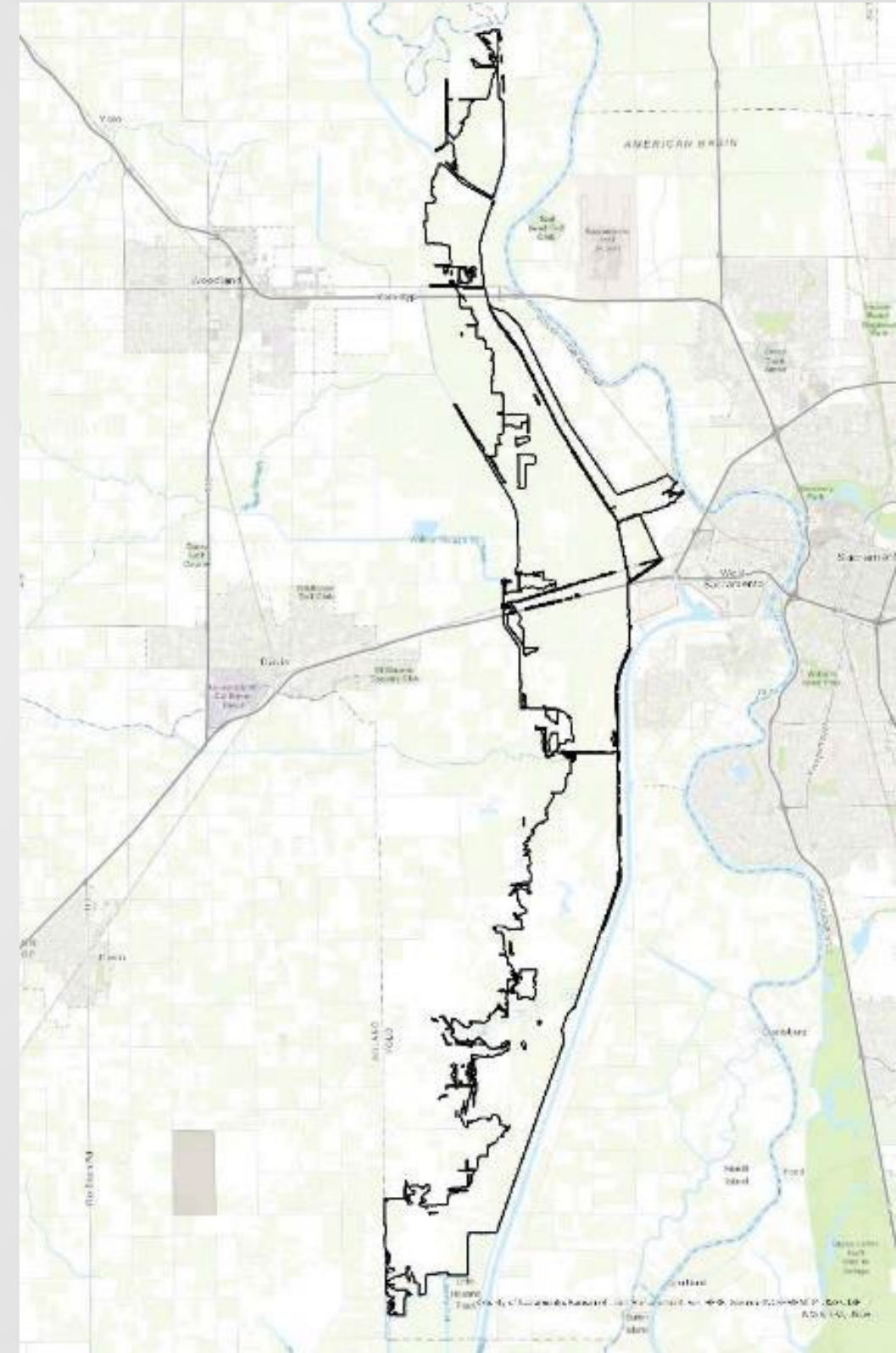


Project Design (CCP § 1245.230(c)(2))

Alternative 1 - East Side Gated Notch
Operation Period: November 1 – March 15

Three of the six alternatives studied were developed through coordination with various partners, including:

Department of Fish & Wildlife
Yolo County
Bureau of Reclamation
NOAA - Fisheries
NMFS
Army Corps of Engineers
US Fish and Wildlife
Landowners
Non-Governmental Organizations



Environmental Compliance

- **July 19, 2019** - Department certified the Project Environmental Impact Statement/Environmental Impact Report and filed a Notice of Determination (SCH# 2013032004) in compliance with the California Environmental Quality Act.
- **September 19, 2019** - Reclamation issued the Record of Decision in compliance with the National Environmental Policy Act.
- **March 11, 2022** – Department filed the Notice of Exemption with the County of Yolo, in compliance with Public Resources Code § 21080.28, which provides a CEQA exemption to allow acquisition of properties for restoration purposes.



DWR Eminent Domain Authority

DWR is seeking flowage easements for the purpose of fish passage as required mitigation for the long-term operations of the State Water Project.

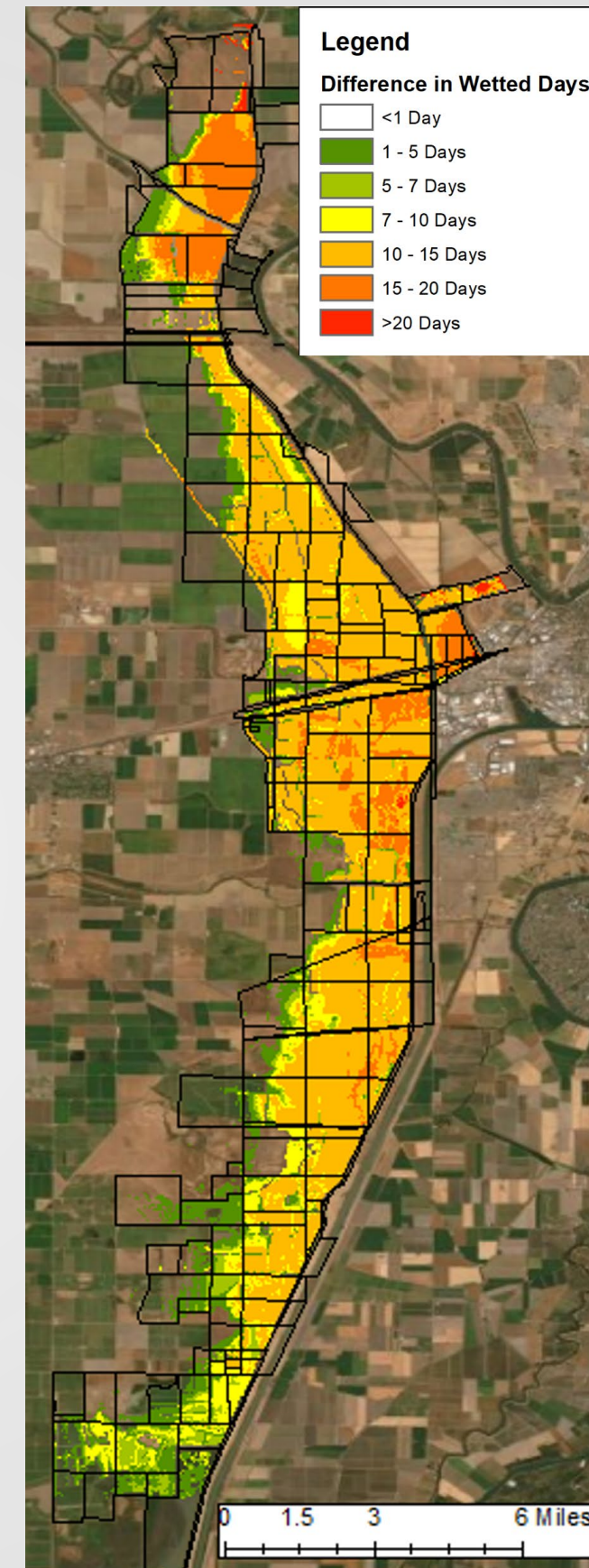
DWR has authority under Water Code §§ 250, 253, 258, 11575 and 11580 to acquire property rights required and necessary for the operation of the State Water Project.

California Code of Civil Procedure §§ 1245.210 and 1245.220 requires DWR to obtain a Resolution of Necessity from the Commission, as the appropriate governing body.

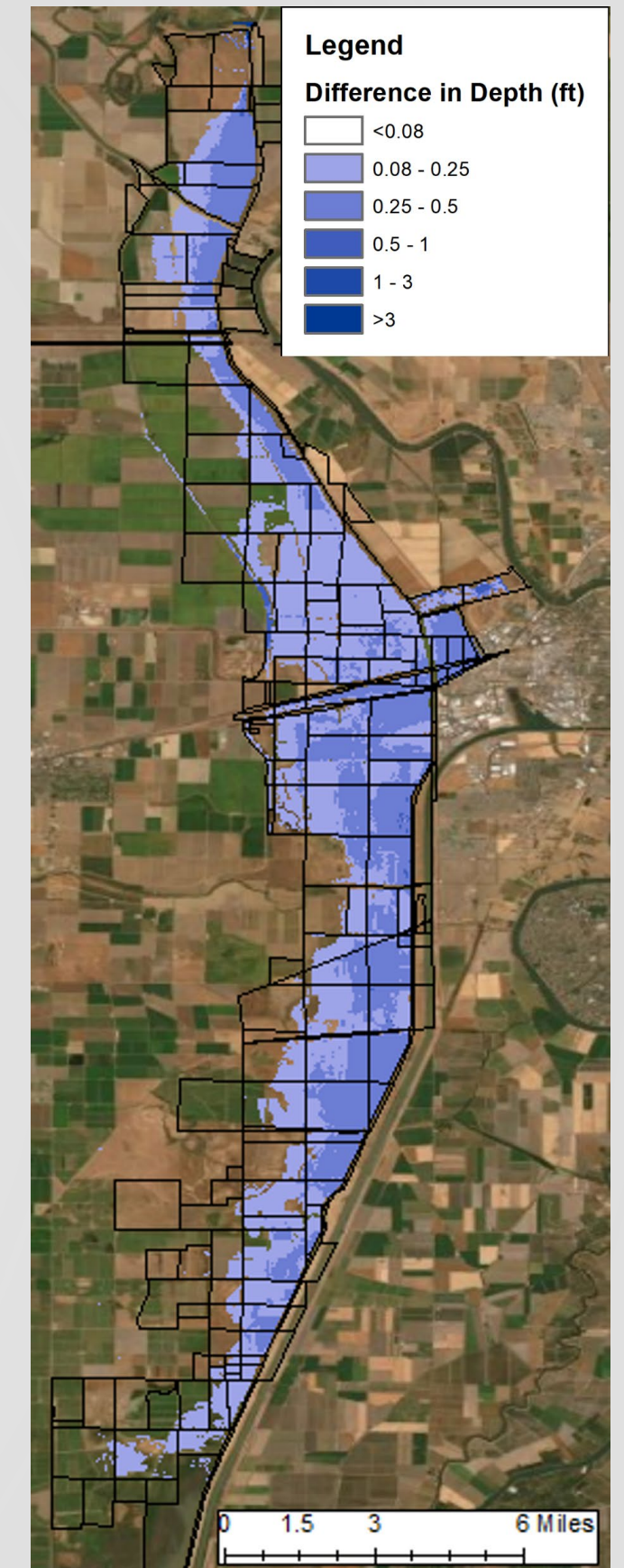


Properties Impacted (CCP § 1245.230(c)(3))

- Impacts modeled using TUFLOW (inundation model):
 - 16 water years from 1997 to 2012
 - Figures averaged over those years
 - Analysis based on difference in wetted days and depth



Average Difference in Wetted Days



Average Difference in Depth (ft)



Example

Yolo Bypass Big Notch Project

APN: 008-010-013

Owner: PATRICK REALTY CORP.

Parcel area: 3.0 acres

Area within YB: 1.8 acres

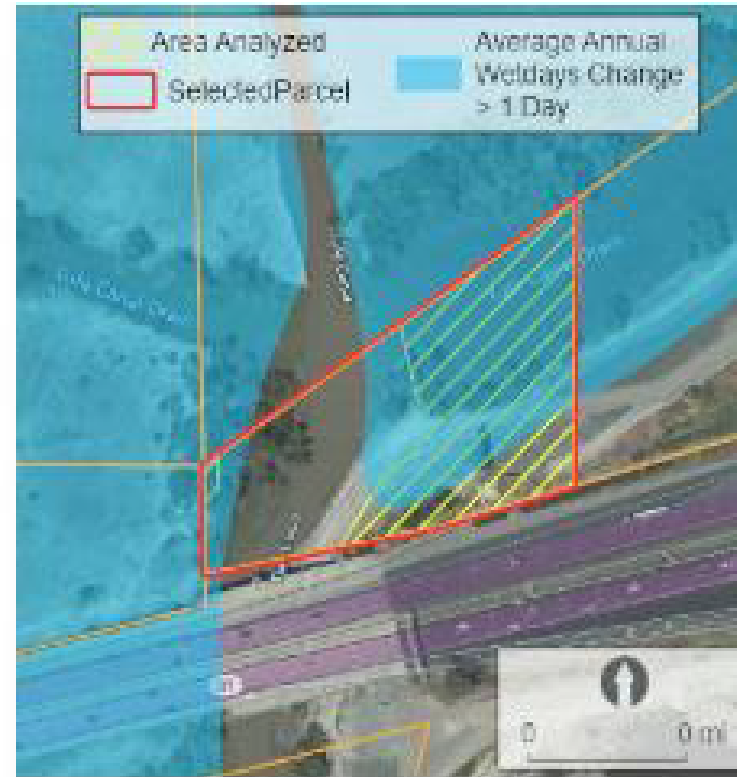
Annual wetted-days

Current: 158.2

Project: 162.2

Change: 4.1

Average depth change: 0.6



Water Year	Last Day Wet ¹		Wetdays ¹		Average Depth (ft)		
	Current	Project	Current	Project	Daily Change ²	Current	Project
1997	06-30	06-30	178	180	0.3	4.7	4.8
1998	06-30	06-30	211	212	0.3	5.3	5.5
1999	06-26	06-28	178	188	1.2	3.4	4.2
2000	06-30	06-30	153	153	0.6	3.8	4.2
2001	06-29	06-30	133	136	0.4	1.5	1.8
2002	06-30	06-30	164	168	0.5	1.9	2.2
2003	06-30	06-30	188	180	0.8	3.0	3.8
2004	06-30	06-30	178	178	0.6	3.4	3.8
2005	06-30	06-30	242	242	0.2	3.0	3.2
2006	06-30	06-30	198	200	0.3	5.5	5.7
2007	04-21	05-08	139	147	0.6	0.8	1.2
2008	05-01	05-01	110	111	0.4	2.3	2.6
2009	04-17	06-07	63	71	1.0	1.6	2.4
2010	06-01	06-02	127	129	0.6	2.7	3.1
2011	06-30	06-30	204	205	0.7	3.4	3.9
2012	05-18	05-18	63	86	0.9	1.0	1.5

¹ Parcels are classified wet if 35% or more of a parcel area is wet to ignore shallow standing water

² Daily change is calculated for pixels and then averaged and may not be equal to project - current

	Monthly Average				Monthly Average Percent Area (%)													
	Depth (ft)		Wetdays		Dry		< 6 in		6-12 in		12-18 in		18-24 in		24-36 in		>36 in	
	Current	Project	Current	Project	Current	Project	Current	Project	Current	Project	Current	Project	Current	Project	Current	Project	Current	Project
November	1.2	1.2	4.9	4.9	92.4	92.2	2.5	2.2	1.0	0.8	0.5	1.2	2.2	2.2	1.6	0.9	0.0	0.4
December	2.6	3.3	16.2	16.8	73.5	71.6	2.7	1.9	3.0	2.2	2.9	2.1	3.5	3.5	5.4	5.1	8.9	13.6
January	4.5	4.9	22.8	23.2	59.0	57.5	3.2	2.4	4.2	3.3	3.8	1.5	2.2	2.4	2.5	4.4	25.0	28.4
February	4.1	4.5	25.4	26.3	50.9	48.0	2.8	3.0	5.0	3.5	4.7	4.0	2.5	2.2	7.4	5.9	26.7	33.5
March	3.8	4.1	30.1	30.4	48.1	46.5	5.6	3.5	6.6	5.4	4.3	4.8	3.9	3.7	5.6	5.6	25.8	30.6
April	3.1	3.3	25.4	26.0	56.4	54.9	8.5	8.3	4.3	3.8	4.3	3.4	4.4	3.1	5.1	5.5	17.2	20.9
May	2.2	2.6	17.2	15.2	72.5	70.2	6.0	6.0	3.5	3.5	2.3	1.3	2.7	2.1	4.0	3.8	9.1	13.1
June	1.7	1.7	16.1	16.3	74.2	73.8	6.5	6.6	4.9	5.0	4.5	4.2	2.5	2.6	3.2	3.3	4.2	4.4

All information provided by the Department of Water Resources made available to provide immediate access for those with need of immediate parcels. While the Department believes the information to be reliable, human or mechanical error is a possibility. Therefore, the Department does not guarantee the accuracy, completeness, timeliness, or correct sequencing of the information. Neither the Department of Water Resources nor any of the sources of the information shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information.



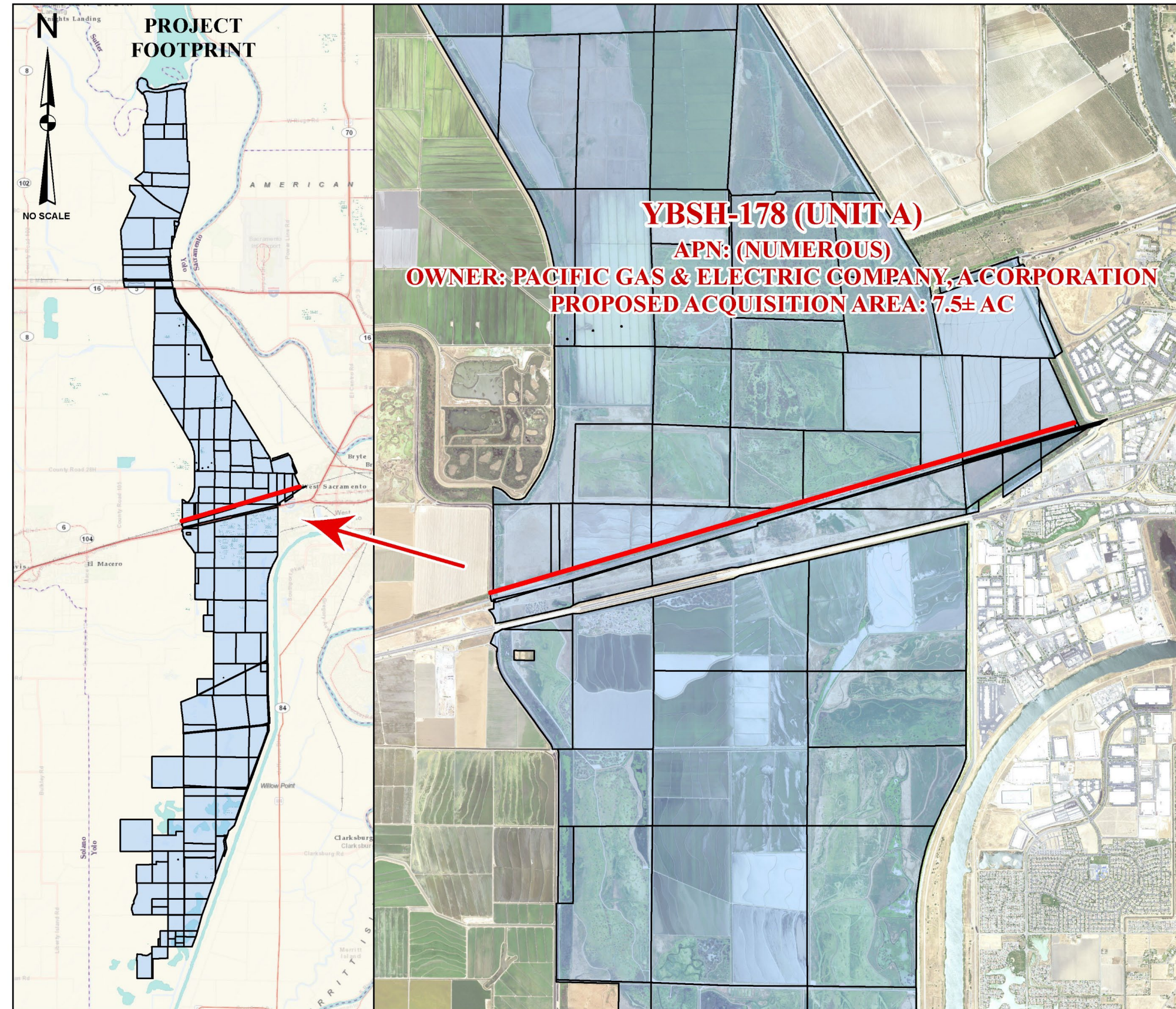
Resolution of Necessity Findings

The governing body of the public entity has found and determined each of the following findings. CCP § 1245.230.

1. The public interest and necessity require the proposed project.
2. The proposed project is planned or located in the manner that will be most compatible with the greatest public good and the least private injury.
3. The property described in the resolution is necessary for the proposed project.
4. That either the offer required by Section 7267.2 of the Government Code has been made to the owner or owners of record, or the offer has not been made because the owner cannot be located with reasonable diligence.



Property in Relation to the Project



STATE OF CALIFORNIA 1/24/2024
 THE RESOURCES AGENCY
 DEPARTMENT OF WATER RESOURCES
 DIVISION OF ENGINEERING - GEOMATICS BRANCH
YBSH-178 (UNIT A)
APN: (NUMEROUS)
PROPOSED ACQUISITION

CONFIDENTIAL - NOT FOR PUBLIC DISTRIBUTION

■ - PROJECT FOOTPRINT
 ■ - PROPOSED ACQUISITION

OWNERSHIP: PACIFIC GAS & ELECTRIC COMPANY, A CORPORATION
APN: (NUMEROUS)

DWR PARCEL NO.: YBSH-178 (UNIT A)
FIELD DIVISION: DELTA
DWR PROJECT: YOLO BYPASS SALMONID HABITAT RESTORATION AND FISH PASSAGE PROJECT

COUNTY: YOLO

PROPOSED ACQUISITION AREA: 7.5± AC
PROPOSED ACQUISITION TYPE: FLOWAGE EASEMENT

ADDRESS 1: Shayne Bond, Land Agent
 Pacific Gas & Electric Co., a Corp.
 12840 Bill Clark Way
 Auburn, CA 95602

ADDRESS 2:

ADDRESS 3:

Note: Information shown on this map is compiled from numerous sources and may not be complete or accurate. This includes Assessor parcel lines, numbers, and ownership information provided by Yolo County.

DWR makes no claims, representations, or warranties (express or implied) concerning the validity, reliability, or accuracy of the GIS data contained herein. All areas shown are approximations based on GIS calculations. Each user is responsible for determining its suitability for his or her intended use or purpose. This exhibit does not represent a survey and is for informational purposes only.

9. PG&E

Owner of Record: Pacific Gas and Electric Company, a Corporation

APN(s): N/A

DWR Parcel Number: YBSH-178

Approximate Acres: 7.50+/-

First Written Offer (Govt. Code § 7267.2): October 11, 2023

Notice of RON Hearing (CCP § 1245.235): January 30, 2024

