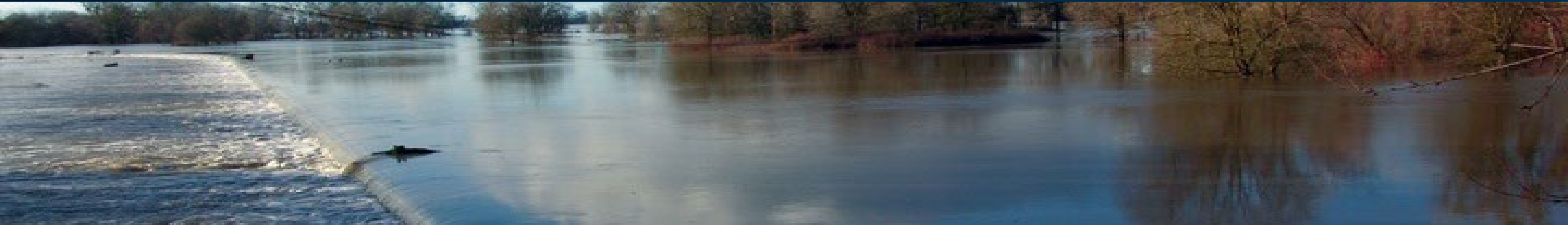


YOLO BYPASS SALMONID HABITAT RESTORATION & FISH PASSAGE (BIG NOTCH) PROJECT INFORMATION IN SUPPORT OF RESOLUTIONS OF NECESSITY

February 15, 2023



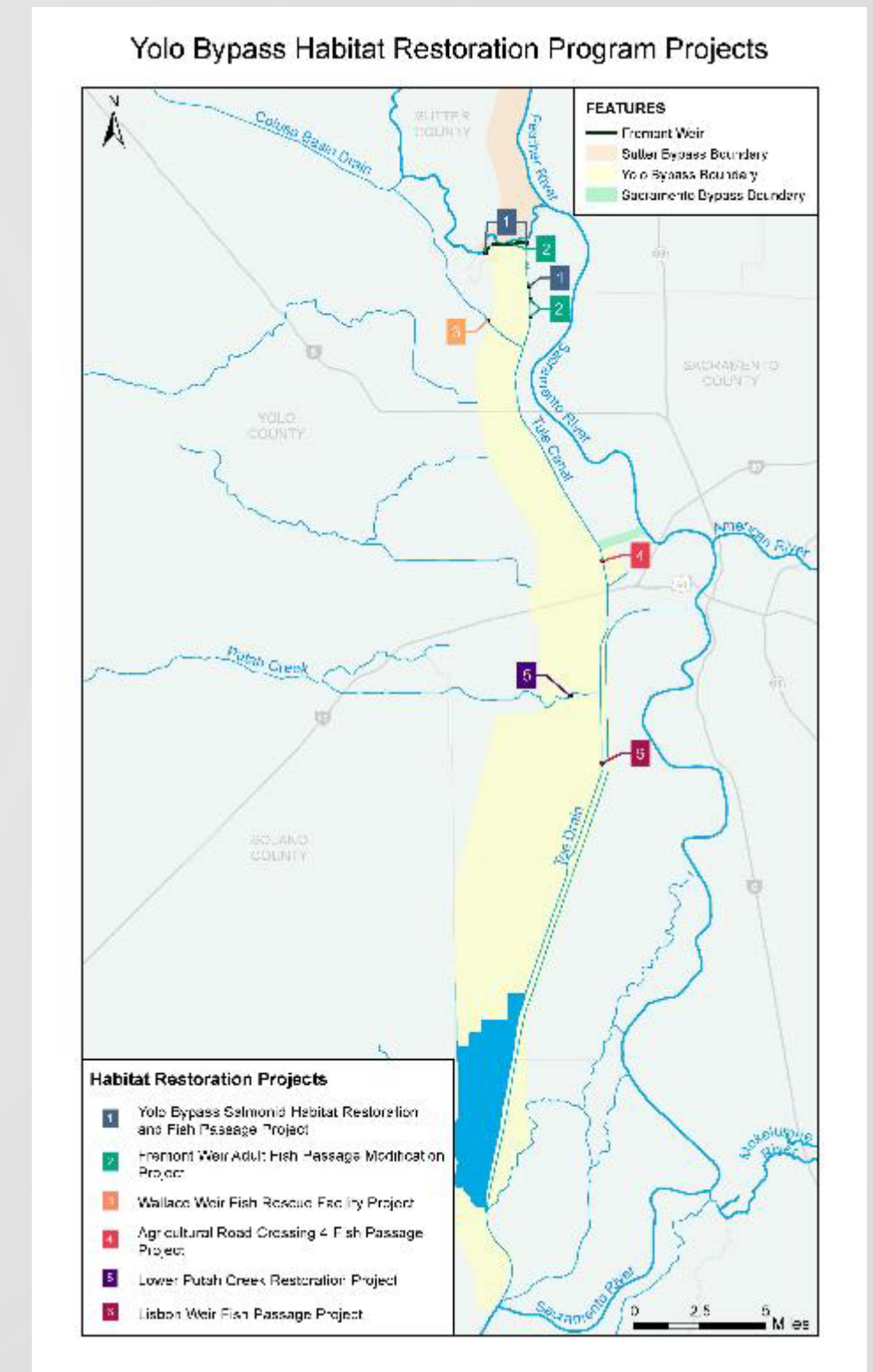
CALIFORNIA DEPARTMENT OF
WATER RESOURCES

Liz Vasquez, Project Manager
Rachel Taylor, Attorney

Project Necessity (CCP § 1245.230(c)(1)) and Public Use (CCP § 1245.230(a))

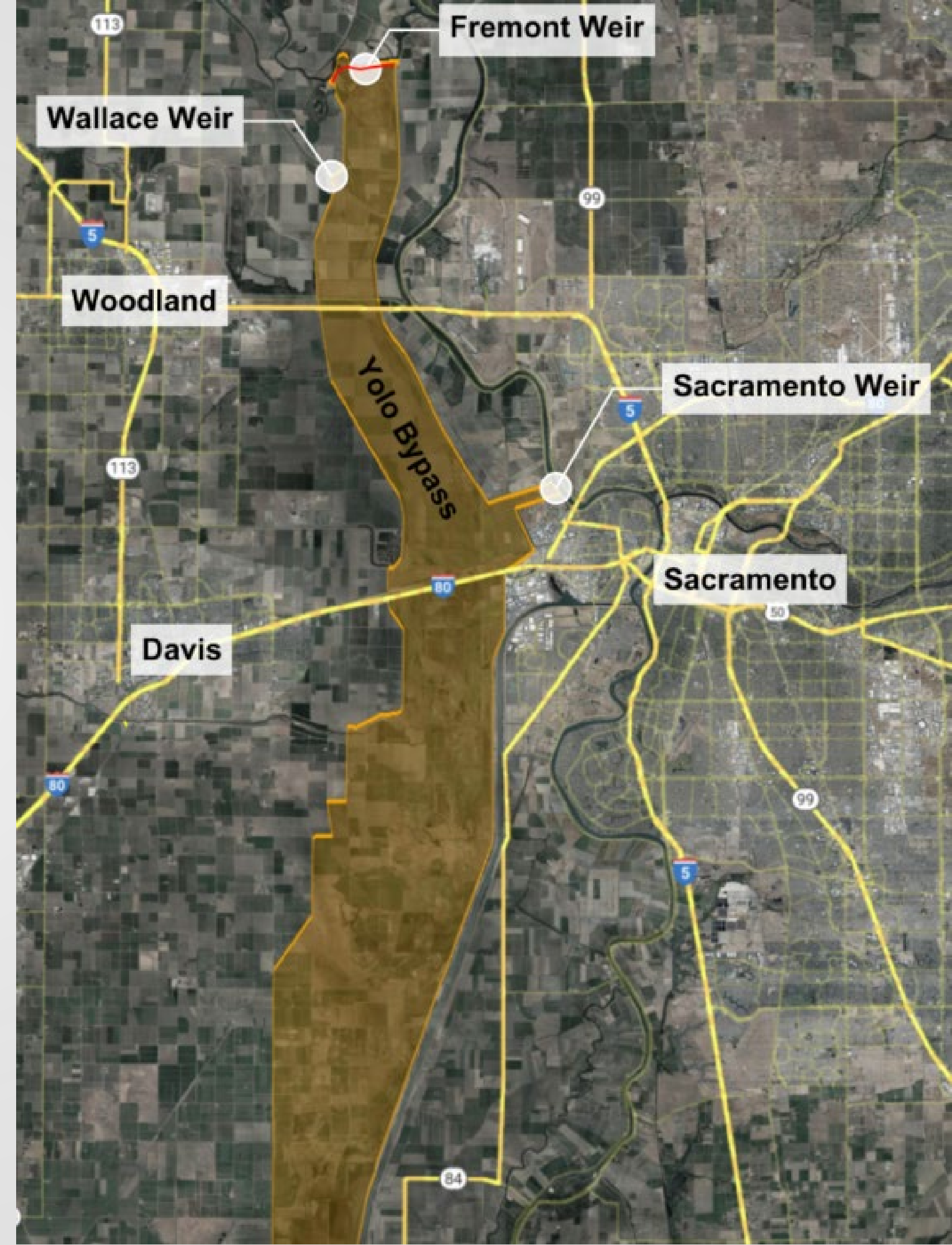
The Project will **enhance floodplain rearing habitat and fish passage** in the **Yolo Bypass** and is required for the long-term coordinated operations of the State Water Project and Central Valley Project compliance.

- 2019 National Marine Fisheries Service (NMFS) Biological Opinion (BO)
- 2020 California Department of Fish and Wildlife (CDFW) Incidental Take Permit (ITP)

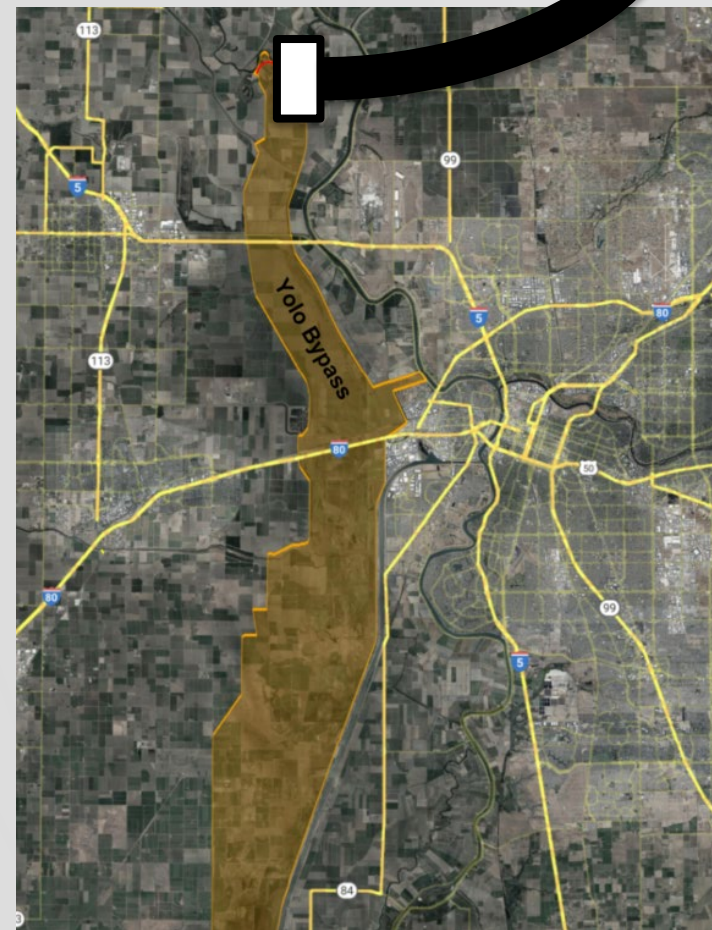


Project Description

- 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

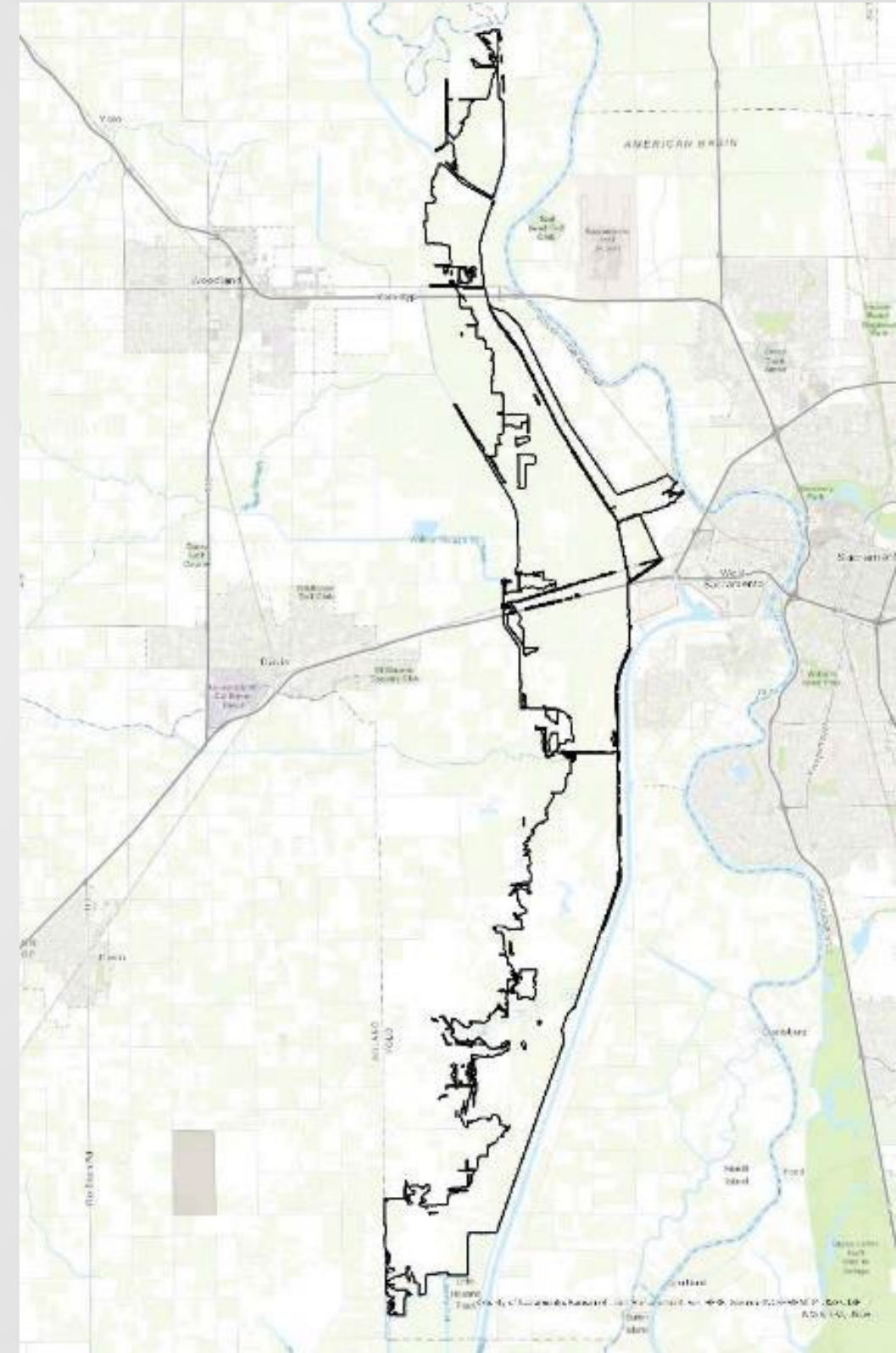


Project Design (CCP § 1245.230(c)(2))

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.

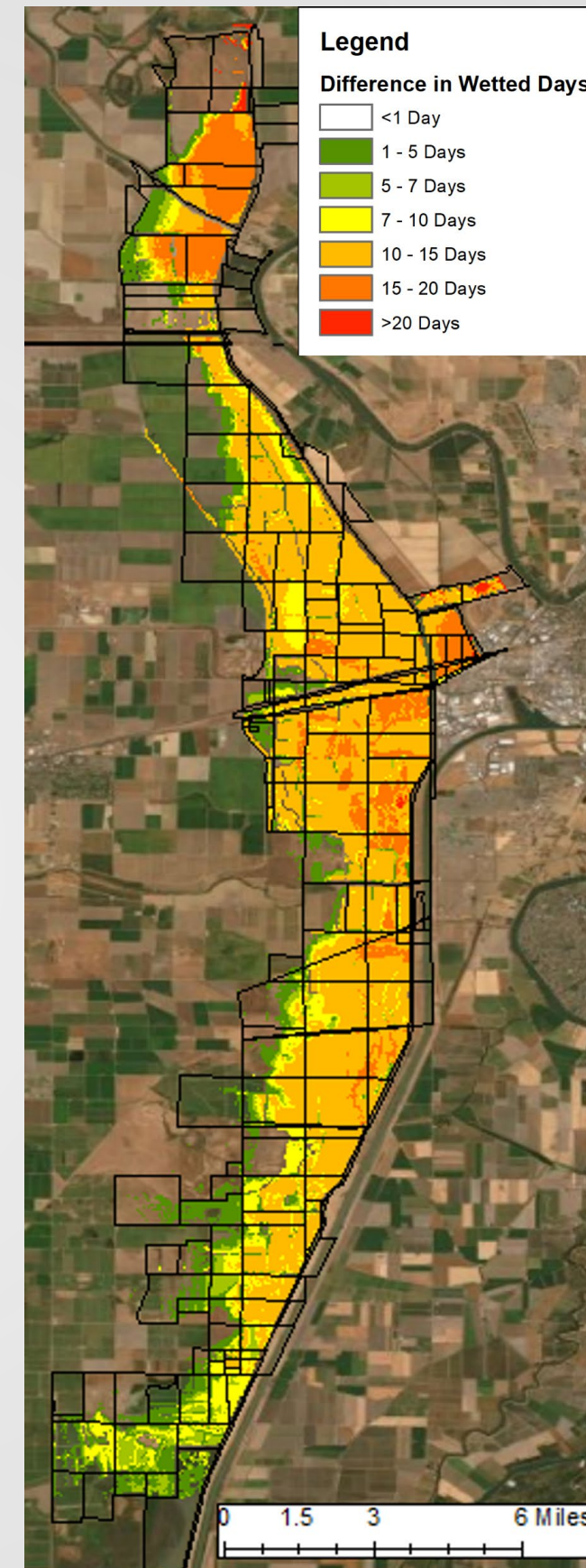
DWR has authority under Water Code §§ 250, 253, 258, 11575 and 11580 to acquire property rights required and necessary for the operation of the State Water Project.

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.

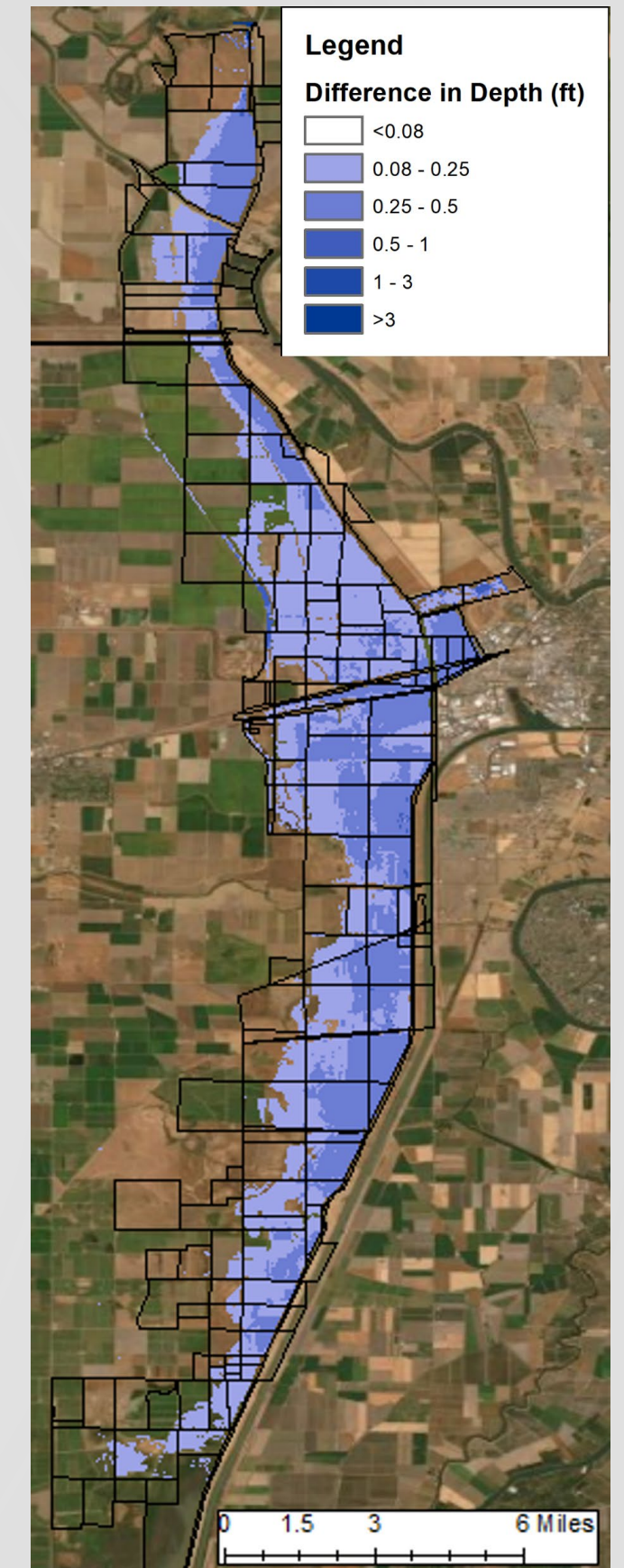


Properties Impacted (CCP § 1245.230(c)(3))

- 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

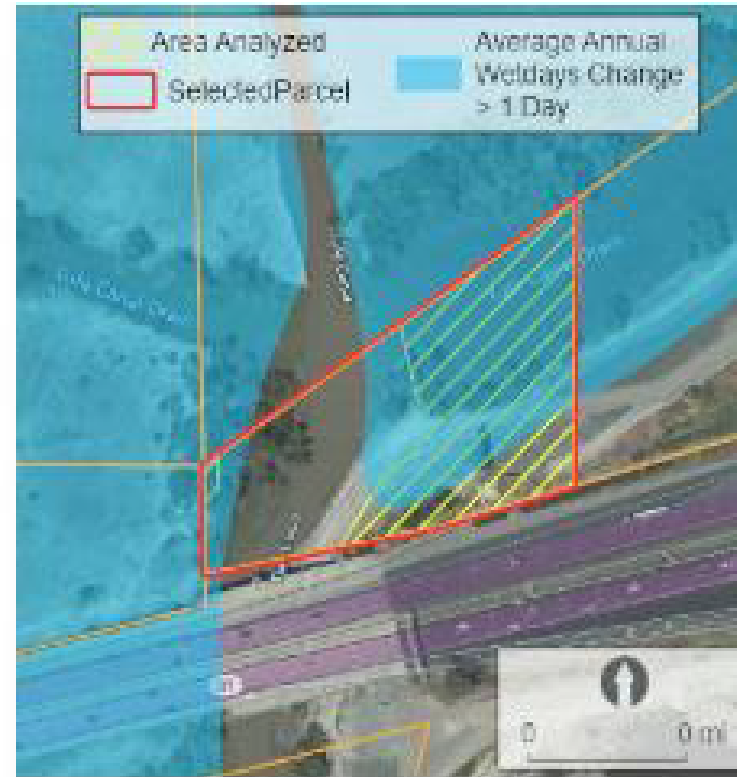
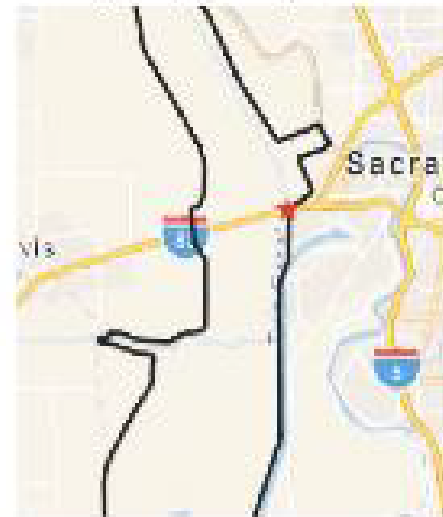
Annual wetted-days

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.



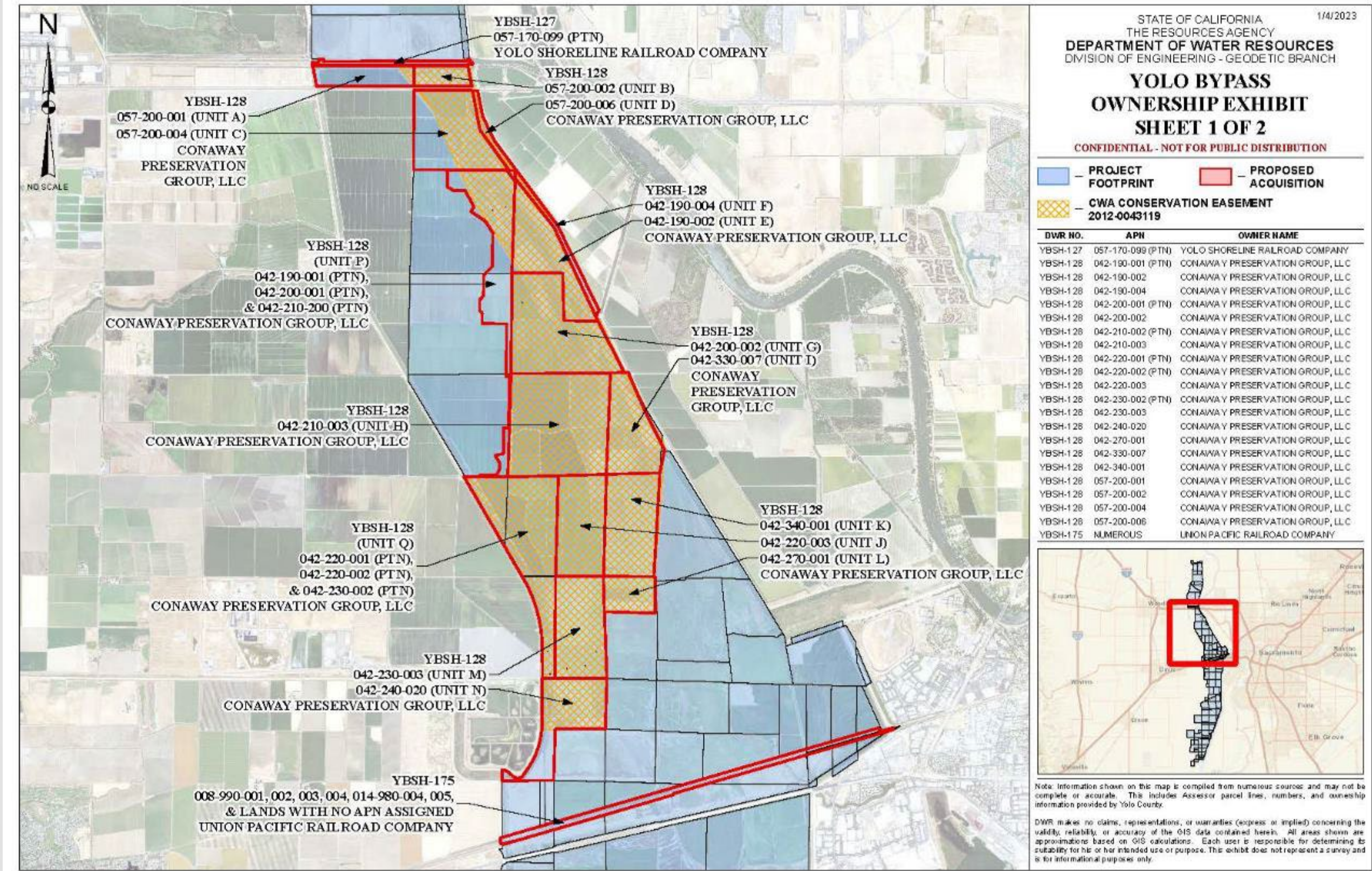
Resolution of Necessity Findings

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

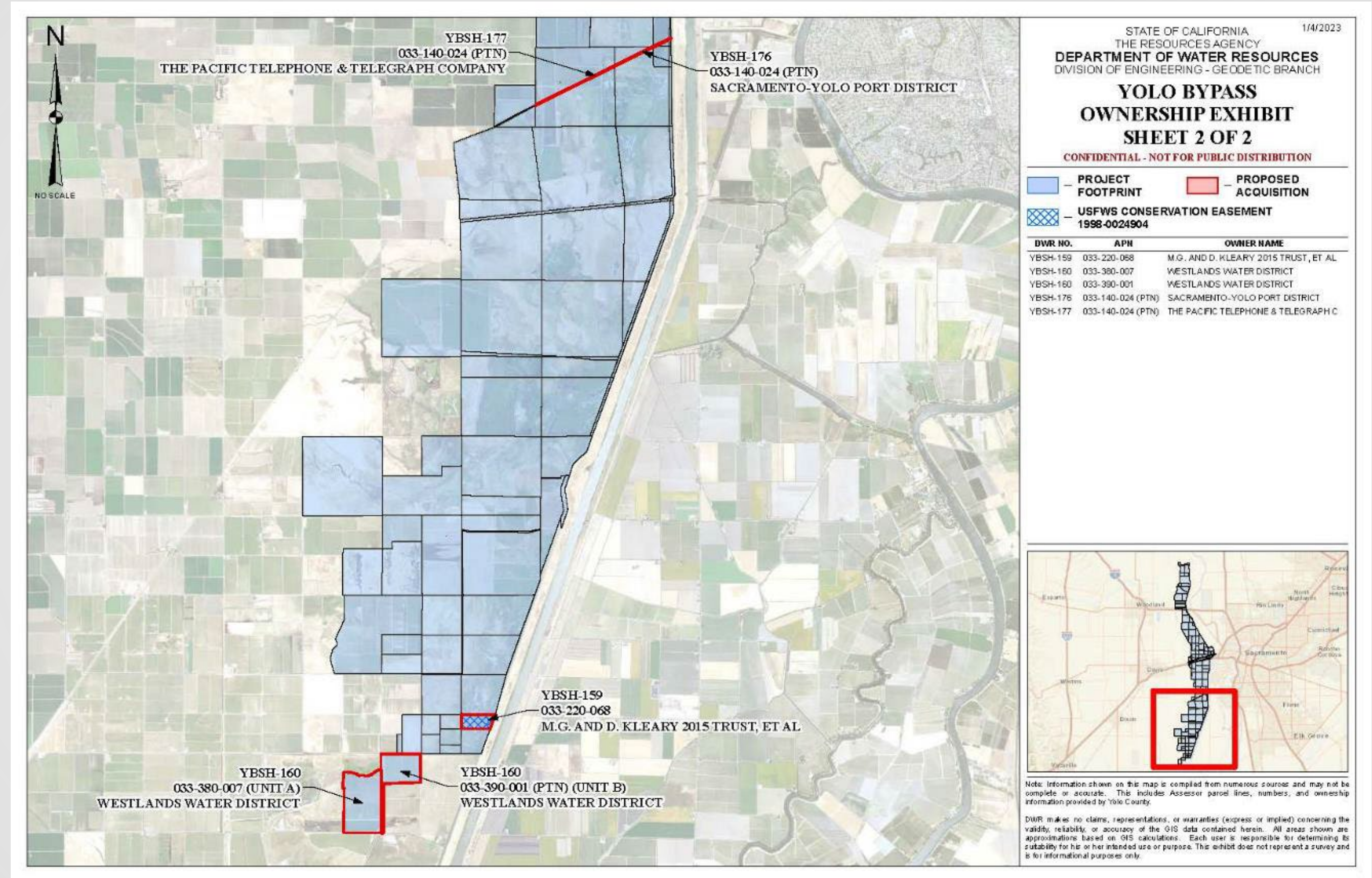
1. The public interest and necessity require the proposed project.
2. The proposed project is planned or located in the manner that will be most compatible with the greatest public good and the least private injury.
3. The property described in the resolution is necessary for the proposed project.
4. 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.



Properties in Relation to the Project



Properties in Relation to the Project



8A. Westlands Water District, a California Water District

Owner of Record: Westlands Water District, a California Water District;
Assessor's Parcel Numbers (APNs) 033-380-007 and 033-390-001 (portion)
DWR Parcel No. YBSH-160
Acres: 346.10± Acres in Fee

First Written Offer (Govt. Code § 7267.2): August 23, 2022
Notice of Informational Hearing (CWC Procedures): January 24, 2023



8B. Sacramento-Yolo Port District, A California River Port District

Owner of Record: Sacramento-Yolo Port District, a California River Port District;
APN 033-140-024 (portion)
DWR Parcel No. YBSH-176
Acres: 3.43±

First Written Offer (Govt. Code § 7267.2): January 5, 2023
Notice of Informational Hearing (CWC Procedures): January 24, 2023



8C. The Pacific Telephone and Telegraph Company, a Corporation (AT&T)

Owner of Record: The Pacific Telephone and Telegraph Company, a corporation;
APN 033-140-024 (portion)
DWR Parcel No YBSH-177
Acres: 16.94±

First Written Offer (Govt. Code § 7267.2): January 5, 2023
Notice of Informational Hearing (CWC Procedures): January 24, 2023



8D. Yolo Shortline Railroad Company

Owner of Record: Yolo Shortline Railroad Company

APN 057-170-099

DWR Parcel No YBSH-127

Acres: 43.26±

First Written Offer (Govt. Code § 7267.2): December 23, 2021

Notice of Informational Hearing (CWC Procedures): January 24, 2023



8E. M.G. and D. Kleary 2015 Trust, et al.

Owner of Record: M.G. and D. Kleary 2015 Trust, et al.;

APNs 033-220-068

DWR Parcel No YBSH-159

Acres: 44.744±

First Written Offer (Govt. Code § 7267.2): June 30, 2022

Notice of Informational Hearing (CWC Procedures): January 24, 2023

Conservation Easement Holder: United States Fish and Wildlife Service

Notice of Intent to Acquire (CCP § 1240.055(c)): June 30, 2022

Notice of Informational Hearing: January 24, 2023



8F. Union Pacific Railroad Company

Owner of Record: Union Pacific Railroad Company

APNs 008-990-001, 008-990-002, 008-990-003, 008-990-004, 014-980-004, 014-980-005,
and portions of land with no APN

DWR Parcel No YBSH-175

Acres: 155.20±

First Written Offer (Govt. Code § 7267.2): December 23, 2022

Notice of Informational Hearing (CWC Procedures): January 25, 2023



8G. Conaway Preservation Group, LLC, a California Limited Liability Company

Owner of Record: Conaway Preservation Group, LLC, a California Limited Liability Company

APNs 057-200-001, 057-200-002, 057-200-004, 057-200-006, 042-190-002, 042-190-004, 042-200-002, 042-210-003, 042-330-007, 042-220-003, 042-340-001, 042-270-001, 042-230-003, 042-240-020), and Unit P (portions of 042-190-001, 042-200-001, & 042-210-002), and Unit Q (portions of 042-220-001, 042-220-002, & 042-230-002

DWR Parcel No. YBSH-128

Acres: 4,389.46±

First Written Offer (Govt. Code § 7267.2): October 20, 2022

Notice of Informational Hearing (CWC Procedures): January 24, 2023

Conservation Easement Holders: California Waterfowl Association

Notice of Intent to Acquire (CCP § 1240.055(c)): October 20, 2022

Notice of Informational Hearing: January 24, 2023

