

ATTACHMENT B PERMIT APPLICATION CONTINUATION

BOXES 15 AND 16. PROJECT LOCATION

Table 1 shows the coordinates and the U.S. Geological Survey (USGS) data for each of the Project locations.

Table 1 Coordinates and USGS Data					
Location	Coordinates		USGS Data		
	Latitude	Longitude	Quad Name	Range	Township
Sutter Slough	38.323069°	-121.588910°	Courtland	3E	6N
Steamboat Slough	38.293707°	-121.582812°	Courtland	4E	5N
False River	38.057057°	-121.670432°	Jersey Island	3E	3N

BOX 20. REASON(S) FOR DISCHARGE

DWR proposes to install rock (rip-rap) barrier dike structures at all three sites. All structures would be trapezoid-shaped rock barriers with a wide base tapering up to a 12-foot-wide top width set perpendicular to the channel alignment. Rock fill would be placed along the base of the levees for support at the Sutter Slough and Steamboat Slough sites. The False River site would have transitions to the levees with 75-foot long sheet pile walls supported by king piles and buttressed with rock because the levees are weaker in this area than at the northerly sites. Design drawings for each location are included in **Supplemental Information, Attachment D**. The total temporary impact area to waters of the U.S. (i.e., below ordinary high-water mark) is approximately 3.14 acres and the total temporary volume of rock fill in the waters of the U.S. is approximately 95,363 cubic yards. Temporarily disturbed areas would be restored after initial construction and after Project structures were removed. The affected areas would be restored to meet local land use and resource agency requirements as soon as they are no longer needed. After restoration was completed, the channel bed would be restored to grade with clean sand.

All rock, gravel, and structures would be removed from the Project sites in fall 2014, with the exception of the sheet pile abutments and adjacent rock feathering at False River. The sheet pile abutments would extend out from each levee into the channel for a distance of 75 feet. Therefore, the sheet pile abutments and adjacent rock feathering are considered to be a permanent impact to waters of the U.S. The total permanent impact area to waters of the U.S. is approximately 0.75 acres and the total permanent volume of rock fill in the waters of the U.S. is approximately 20,804 cubic yards. **Table 2** summarizes and **Figures 1-4** show the impacts to waters of the U.S.¹

¹ A portion of the temporary fill will be placed on top of the permanent fill. Where this overlap occurs, the area is considered to be a permanent impact only (i.e., to avoid double counting). Figures 1-4 do not distinguish between the temporary and permanent impact areas because of the two-dimensional nature of the maps.

**Table 2
Surface Area Filled and Amount of Material Being Discharged
into the Waters of the U.S.**

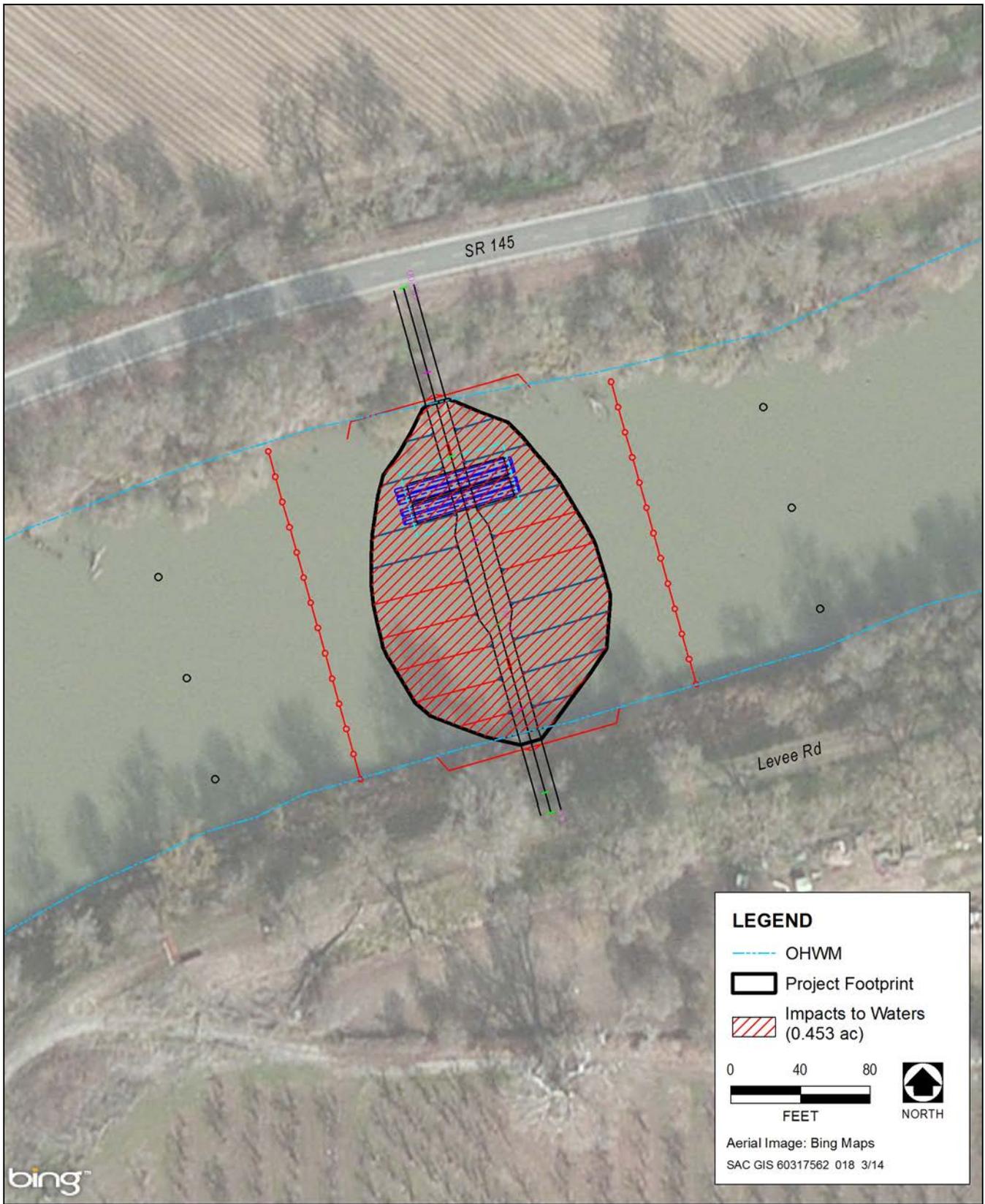
Location	Area (Acres) of Fill	Linear Feet	Volume (Cubic Yards) of Fill
Temporary			
Sutter Slough	0.45	143	11,996
Steamboat Slough	0.81	310	11,506
False River	1.88	130	71,861
Sub-Total	3.14	583	95,363
Permanent			
Sutter Slough	0.00	0	0
Steamboat Slough	0.00	0	0
False River	0.75	20	20,804
Sub-Total	0.75	20	20,804
Total-Temporary and Permanent			
Sutter Slough	0.45	143	11,996
Steamboat Slough	0.81	310	11,506
False River	2.63	150	92,665
Total	3.89	603	116,167



Source: Moffatt & Nichol 2014, AECOM 2014

Figure 1

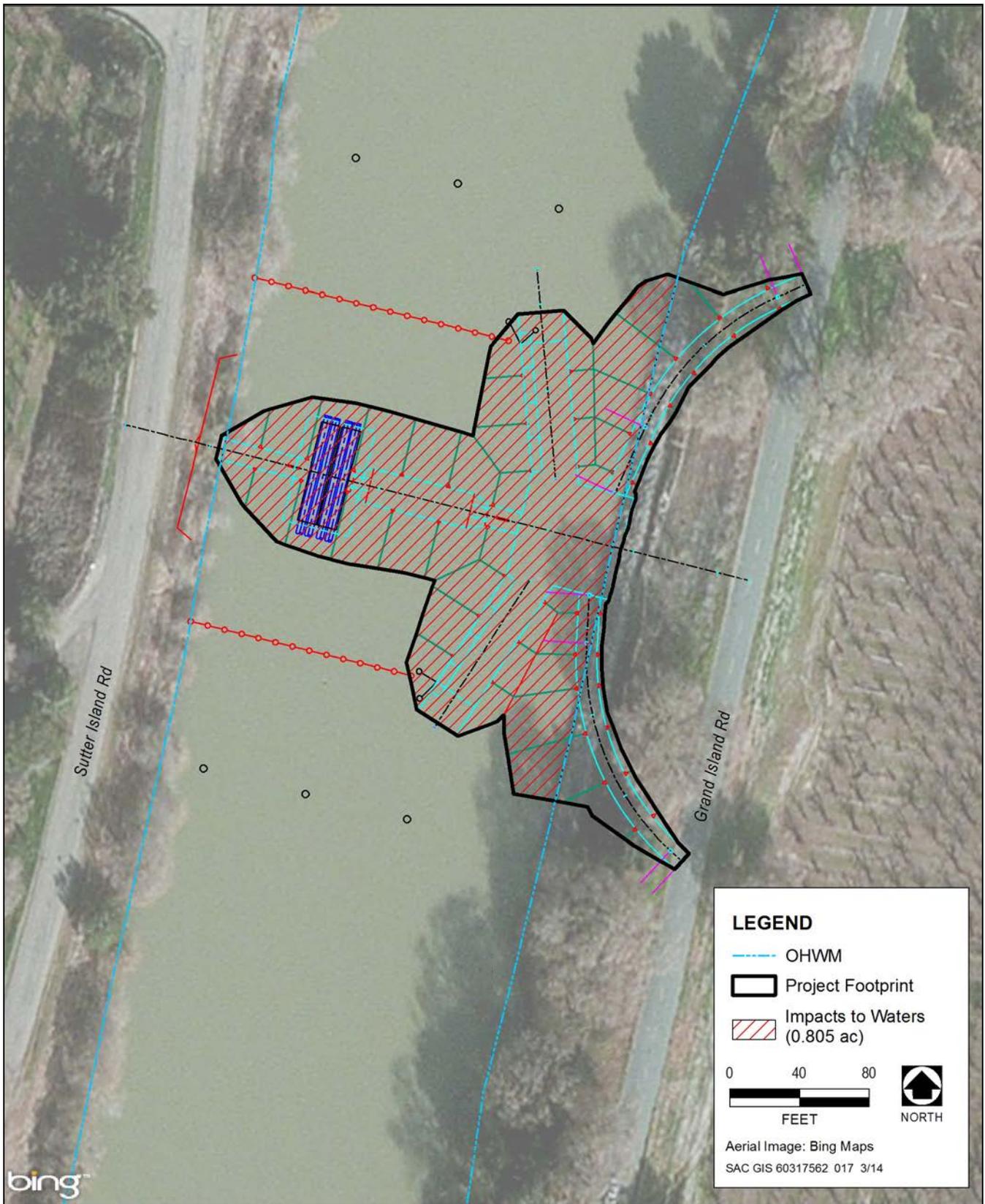
Impact Map – Overview



Source: Moffatt & Nichol 2014, AECOM 2014

Figure 2

Impact Map–Sutter Slough



Source: Moffatt & Nichol 2014, AECOM 2014

Figure 3

Impact Map–Steamboat Slough



Source: Moffatt & Nichol 2014, AECOM 2014

Figure 4 Impact Map–False River Box 25. addresses of adjoining property owners, lessees, etc., whose property adjoins the waterbody

Table 3 lists the addresses of adjoining property owners whose property immediately adjoins the Project at Sutter Slough, Steamboat Slough, and False River. Please note that because this information was obtained from the county assessor the table only provides the mailing addresses on file. AECOM does not have access to private and privileged information.

Table 3		
Table of Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody		
Sutter Slough		
a. Address- 12080 Sutter Island Road (APN 142-0010-002-0000)		
City- Courtland	State- CA	Zip- 95615
b. Address- 0 Sutter Slough Road (APN 142-0010-042-0000)		
City- Courtland	State- CA	Zip- 95615
c. Address- 0 Sutter Slough Road (APN 142-0220-002-0000)		
City- Courtland	State- CA	Zip- 95615
d. Address- 11919 Sutter Slough Road (APN 142-0220-001-0000)		
City- Courtland	State- CA	Zip- 95615
Steamboat Slough		
e. Address- 15815 Sutter Island Road (APN 142-0010-029-0000)		
City- Courtland	State- CA	Zip- 95615
f. Address- 0 Sutter Island Road (APN 142-0010-028-0000)		
City- Courtland	State- CA	Zip- 95615
g. Address- 12348 State Highway 160 (APN 142-0010-026-0000)		
City- Courtland	State- CA	Zip- 95615
h. Address- 12414 State Highway 160 (APN 142-0010-027-0000)		
City- Courtland	State- CA	Zip- 95615
i. Address- [Floating Dock with No Address] (APN 142-0010-035-0000)		
City- Courtland	State- CA	Zip- 95615
j. Address- 0 Highway 160 (APN 142-0030-037-0000)		
City- Walnut Grove	State- CA	Zip- 95690
k. Address- 12530 Grand Island Road (APN 142-0030-029-0000)		
City- Walnut Grove	State- CA	Zip- 95690
l. Address- 12484 River Road (APN 142-0030-036-0000)		
City- Walnut Grove	State- CA	Zip- 95690
m. Address- [Floating Dock with No Address] (APN 142-0030-035-0000)		
City- Isleton	State- CA	Zip- 95690
False River		
n. Address- Bradford Island Road (APN 0260400056)		
City- Oakley	State- CA	Zip- 94561
o. Address- Bradford Island Road (APN 0260400049)		
City- Oakley	State- CA	Zip- 94561
p. Address- Bradford Island Road (APN 0260400031)		
City- Oakley	State- CA	Zip- 94561
q. Address- Jersey Island Road (APN 0270100027)		
City- Oakley	State- CA	Zip- 94561
r. Address- Jersey Island Road (APN 0270100050)		
City- Oakley	State- CA	Zip- 94561

BOX 26. LIST OF OTHER CERTIFICATES OR APPROVALS/DENIALS FROM OTHER FEDERAL, STATE, OR LOCAL AGENCIES FOR WORK DESCRIBED IN THIS APPLICATION

Table 4 lists the certificates or approvals from other federal, state and local agencies for the Project.

Table 4 Coordinates and USGS Data					
Agency	Approval Type	Identification Number	Date Applied	Date Approved	Date Denied
USFWS	BO	T.B.D.	January 2015	T.B.D.	N.A.
NMFS	BO	T.B.D.	January 2015	T.B.D.	N.A.
SHPO	NHPA Section 106	T.B.D.	January 2015	T.B.D.	N.A.
SWRCB	CWA Section 401 WQC	T.B.D.	January 2015	T.B.D.	N.A.
USCG	Private Aids to Navigation	T.B.D.	January 2015	T.B.D.	N.A.
CVFPB	Encroachment Permit	T.B.D.	January 2015	T.B.D.	N.A.
CDFW	CESA Section 2081 ITP and CFGC Section 1602 LSAA	T.B.D.	January 2015	T.B.D.	N.A.
RWQCB	NPDES	T.B.D.	Prior to Construction	T.B.D.	N.A.
SLC	MOU	T.B.D.	January 2015	T.B.D.	N.A.