

Appendix 18B
**Identified Resources Potentially Affected
 by the BDCP Alternatives**

18B.1 Identified Resources Affected by the Alternatives

Table 18B-1. Identified Archaeological Resources

Notes	Trinomial	P-Number	Resource Type	CRHR ^a Status	NRHP ^b Status	County	Present in Alternatives ^c
Identified Resources Potentially Affected by Tunnel Alternatives							
	CA-SAC-021		midden/ mound	unevaluated	unevaluated	Sacramento	4
	CA-SAC-328	P-34-000355	midden/ mound	unevaluated	unevaluated	Sacramento	1A, 6A
	CA-SAC-395		shell fragments	unevaluated	unevaluated	Sacramento	4
	CA-SAC-056	P-34-000083	midden/ mound	unevaluated	unevaluated	Sacramento	1A, 2A, 3, 4, 6A, 7, 8
	CA-SAC-057		midden/ mound	unevaluated	unevaluated	Sacramento	1A, 2A, 3, 5, 6A, 7, 8
	CA-SAC-059	P-34-000086	midden/ mound	unevaluated	unevaluated	Sacramento	1A, 2A, 3, 4, 5, 6A, 7, 8
	CA-SAC-060		midden/ mound	unevaluated	unevaluated	Sacramento	1A, 2A, 3, 5, 6A, 7, 8
	CA-SAC-061		midden/ mound	unevaluated	unevaluated	Sacramento	1A, 2A, 3, 4, 5, 6A, 7, 8
	CA-SAC-065/H		Multi-component	unevaluated	unevaluated	Sacramento	1A, 2A, 3, 5, 6A, 7, 8
	CA-SJO-208/H		Historic refuse scatter	unevaluated	unevaluated	San Joaquin	4
	CA-CCO-130	P-07-000072	midden/ mound	unevaluated	unevaluated	Contra Costa	4
	CA-CCO-143	P-07-000085	refuse scatter	unevaluated	unevaluated	Contra Costa	4
	CA-CCO-144	P-07-000086	blank record	unevaluated	unevaluated	Contra Costa	4
	CA-CCO-653	P-07-000413	midden/ mound	unevaluated	unevaluated	Contra Costa	4
Identified Resources Potentially Affected by East Alignment Alternatives							
	CA-SAC-056	P-34-000083	midden/ mound	unevaluated	unevaluated	Sacramento	1B, 2B, 6B
	CA-SAC-057		midden/ mound	unevaluated	unevaluated	Sacramento	1B, 2B, 6B
	CA-SAC-059	P-34-000086	midden/ mound	unevaluated	unevaluated	Sacramento	1B, 2B, 6B
	CA-SAC-060	P-34-000087	midden/ mound	unevaluated	unevaluated	Sacramento	1B, 2B, 6B
	CA-SAC-061	P-34-000088	midden/ mound	unevaluated	unevaluated	Sacramento	1B, 2B, 6B
	CA-SAC-065/H		midden/ mound	unevaluated	unevaluated	Sacramento	1B, 2B, 6B
	CA-SAC-188	P-34-000215	midden/ mound	unevaluated	unevaluated	Sacramento	1B, 2B, 6B

Notes	Trinomial	P-Number	Resource Type	CRHR ^a Status	NRHP ^b Status	County	Present in Alternatives ^c
	CA-SAC-309	P-34-000336	baked clay deposit/midden	unevaluated	unevaluated	Sacramento	1B, 2B, 6B
	CA-SAC-328	P-34-000355	midden/ mound	unevaluated	unevaluated	Sacramento	1B, 6B
	CA-SAC-395	P-34-000422	midden/ mound	unevaluated	unevaluated	Sacramento	1B, 2B, 6B
	CA-SJO-144	P-39-000262	blank site record	unevaluated	unevaluated	San Joaquin	1B, 2B, 6B
	CA-SJO-143	P-39-000261	blank site record	unevaluated	unevaluated	San Joaquin	1B, 2B, 6B
	CA-SJO-142	P-39-000260	midden/ mound	unevaluated	unevaluated	San Joaquin	1B, 2B, 6B
	CA-SJO-145	P-39-000263	midden/ mound	unevaluated	unevaluated	San Joaquin	1B, 2B, 6B
	CA-SJO-115	P-39-000247	midden/ mound	unevaluated	unevaluated	San Joaquin	1B, 2B, 6B
	CA-SJO-068	P-39-000204	midden/ mound	unevaluated	unevaluated	San Joaquin	1B, 2B, 6B
	CA-SJO-146	P-39-000264	blank site record	unevaluated	unevaluated	San Joaquin	1B, 2B, 6B
Identified Resources Potentially Affected by West Alignment Options							
	CA-CCO-368	P-07-000721	midden/ mound	unevaluated	unevaluated	Contra Costa	1C, 2C, 6C
	CA-CCO-128	P-07-000070	midden/ mound	unevaluated	unevaluated	Contra Costa	1C, 2C, 6C
	CA-CCO-129		midden/ mound	unevaluated	unevaluated	Contra Costa	1C, 2C, 6C
	CA-CCO-767	P-07-2650	midden/ mound	unevaluated	unevaluated	Contra Costa	1C, 2C, 6C
	CA-CCO-130	P-07-000072	midden/ mound	unevaluated	unevaluated	Contra Costa	1C, 2C, 6C
	CA-CCO-143	P-07-000085	refuse scatter	unevaluated	unevaluated	Contra Costa	1C, 2C, 6C
	CA-CCO-144	P-07-000086	blank record	unevaluated	unevaluated	Contra Costa	1C, 2C, 6C
	CA-CCO-653	P-07-000413	midden/ mound	unevaluated	unevaluated	Contra Costa	1C, 2C, 6C
	CA-YOL-055/H		midden/mound and historic component	unevaluated	unevaluated	Yolo	1C, 2C, 6C
	CA-YOL-026		artifact scatter	unevaluated	unevaluated	Yolo	1C, 2C, 6C
	CA-YOL-029		midden/ mound	unevaluated	unevaluated	Yolo	1C, 2C, 6C
	CA-YOL-165H	P-57-000182	posts/pilings	unevaluated	ineligible	Yolo	1C, 2C, 6C
Identified Resources Potentially Affected by Separate Corridors Alternative (Alternative 9)							
	CA-SAC-249	P-34-000276	midden site	unevaluated	unevaluated	Sacramento	9
	CA-SAC-047	P-34-000074	artifact scatter	unevaluated	unevaluated	Sacramento	9
	CA-SAC-075		midden/house	unevaluated	unevaluated	Sacramento	9
	CA-SJO-232H		historic refuse scatter	unevaluated	unevaluated	San Joaquin	9
<p>^a CRHR: California Register of Historical Resources, evaluation status prior to the project</p> <p>^b NRHP: National Register of Historic Places, evaluation status prior to the project</p> <p>^c present: resources common to all tunnel alternatives</p> <p><i>Table based upon the intersection of known archaeological resources and the Rev10B plans, prepared September 20, 2012. Table does not include resources for which there is no site record at the CHRIS centers as these resources are few in number and must be verified to still exist once legal access is available. Sites with no site record cannot be meaningfully described for the purposes of this document. These sites are depicted on CHRIS maps but have no record.</i></p>							

1 **Table 18B-2. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 1A**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_002_004	044-130-013&014	53340 South River Road Clarksburg	Joseph House	1875	I	Intake 1 seen from across the river.
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	I	Intake 1 seen from across the river.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	I	Intake 2, seen from across the river.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	I	Intake 2, seen from across the river.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	I	Intake 2, seen from across the river.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3, seen from across the river.
PTO_010_002	341320010021	10255 River Road, Clarksburg	Rosebud Rancho	1877/ 1990	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.
PTO_013_006	341320092001	10725 2nd Street Hood	Delta-style House	1915	I	Permanent transmission lines on property boundary. Small property = significant impact.
PTO_013_015	341320093007	10776 2nd Street Hood	Delta-style House	1910	D	Intake 4, permanent surface impact, transmission lines.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	D	Intake 4, permanent surface impact, permanent access road, transmission lines.
PTO_013_066	043-090-024	39460, 39500 South River Road Clarksburg	Amos Pylman House/Pylman Vineyards Inc.	1915	I	Intake 4, seen from across the river.
PTO_013_067	043-090-011	39038 South River Road Clarksburg	Edward Bunnell House	1910	I	Intake 4, seen from across the river.
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	D/I	Intake 5 temporary surface impact; permanent visual impact. No direct impact if property can be replaced to original condition.
PTO_055_007	142-0100-028	510 State Highway 220 Walnut Grove	Beaver Union Elementary School	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_056_001	142-0100-080	14310 State Highway 160 Walnut Grove	Grand Island Ranch	1900	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_001	3912905011	1025 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_002	3912905013	1375 South Bacon Island Road Stockton	Contributor to Bacon Island	1915	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_003	3912905055	555 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
Bacon Island				1900– 1930	D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.
Grand Island				1850– 1900	D/N	Temporary transmission lines. No impact if property can be replaced to original condition.
Central Valley Project			Delta Mendota Canal	1946– 1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-3. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 1B**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
EAST_002_004	044-120-002-000	34600 South River Road Clarksburg	Folk Victorian with Craftsman elements	1920	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact
EAST_007_007	043-240-011-000	52980 Clarksburg Avenue Clarksburg	Noah Adams Lumber Co./ Merritt School	1924	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_012	043-285-001-000	36510 South River Road Clarksburg	Lawlor and Cosby General Merchandise/ Husick Hardware	1918	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_013	043-285-012-000	36530 South River Road Clarksburg	Husick Hardware/ McCusey	1912	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_014	043-285-011-000	36542 South River Road Clarksburg	Foursquare	c1900	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_018	043-240-030-000	35265 Willow Avenue Clarksburg	Amalgomated Sugar Co.	1934	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_070_002	001-040-07	12525 W. Walnut Grove Road Thornton	PG&E Classical Revival electrical power substation	c1911	D/N	Temporary transmission lines across the property. No impact if building is not altered. Additional transmission lines adjacent to building would be no impact.
EAST_134_002	39-131-220-34	8700 Neugebauer Road Stockton	Feeder Barn	c1900	D	Canal crosses the property.
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_002_004	044-130-013&014	53340 South River Road Clarksburg	Joseph House	1875	I	Intake 1 seen from across the river.
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	I	Intake 1 seen from across the river.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.

Identified Resources Potentially Affected by the BDCP Alternatives

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	I	Intake 2, seen from across the river.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	I	Intake 2, seen from across the river.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3, seen from across the river.
PTO_010_002	341320010021	10255 River Road, Clarksburg	Rosebud Rancho	1877/ 1990	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.
PTO_013_006	341320092001	10725 2nd Street Hood	Delta-style House	1915	I	Intake 4 visible.
PTO_013_015	341320093007	10776 2nd Street Hood	Delta-style House	1910	D	Intake 4 permanent surface impact, permanent access road, permanent transmission line.
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	D	Intake 4 permanent surface impact, permanent access road, permanent transmission line.
PTO_013_066	043-090-024	39460, 39500 South River Road Clarksburg	Amos Pylman House/Pylman Vineyards Inc.	1915	I	Intake 4 visible from across the river.
PTO_013_067	043-090-011	39038 South River Road Clarksburg	Edward Bunnell House	1910	I	Intake 4 visible from across the river.
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	D/I	Intake 5 temporary surface impact. Intake immediately adjacent to property, significant visual impact even if area of temporary surface impact can be restored.
Central Valley Project			Delta Mendota Canal	1946- 1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-4. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 1C**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
WEST_014_001	043-160-035	36533 Netherlands Avenue Clarksburg	Holland Land Company Headquarters	1928	I	Borrow/spoil area potentially visible across levee.
WEST_015_001	043-140-002-000	37383 County Road 144 Clarksburg	Delta-style house	c1900	D/I	Built resources parcel not directly impacted; associated agricultural parcel directly impacted by borrow/spoil area and canal.
WEST_047_001	043-070-021	40478, 40580 South River Road Clarksburg	Delta-style house	c1900	D	Intake 5 temporary work area, permanent transmission line, canal.
WEST_177_001	011-270-005	Bixler Road Byron	East Contra Costa Irrigation District Eastern Pumping Station	1914	D	No impact to the pumping stations, however the canal will be directly impacted by temporary surface impact and siphon.
EAST_002_004	044-120-002-000	34600 South River Road Clarksburg	Folk Victorian with Craftsman elements	1920	D/I/N	Built portion of parcel not directly impacted, agricultural portion directly impacted by tunnel and temporary transmission lines. If agricultural portion is restored, no impact.
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	I	Intake 1, visible from across the river.
PTO_002_004	044-130-013&014	53340 South River Road Clarksburg	Joseph House	1875	D	Intake 1, permanent surface impact, permanent access road.
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	D	Intake 1, temporary surface impact, temporary access road through built resource. Significant indirect impact, property adjacent to intake.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	I	Intake 1, visible from across the river.
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	I	Intake 2, visible from across the river.
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	D	Intake 2, permanent surface impact, transmission line.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	D	Intake 2, borrow/spoil area includes buildings.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	D	Intake 2, permanent surface impact – in the middle of the intake.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3, temporary road, borrow/spoil area adjacent to parcel.
PTO_010_002	341320010021	10255 River Road Clarksburg	Rosebud Rancho	1877/ 1990	I	Borrow/spoil area visible from across the river.
PTO_013_015	341320093007	10776 2nd Street Hood	Delta-style House	1910	I	Intake 3 visible across the river.
PTO_013_066	043-090-024	39460, 39500 South River Road Clarksburg	Amos Pylman House/Pylman Vineyards Inc.	1915	D/I/N	Temporary power and batch plant on parcel, no direct impact to built resource; agricultural portion impacted. No impact if agricultural portion can be restored. Property between intakes 3 and 4, permanent visual impact.
PTO_013_067	043-090-011	39038 South River Road Clarksburg	Edward Bunnell House	1910	D	Temporary surface impact and temporary road directly impact built resource.
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	I	Intake 4 visible from across the river.
Netherlands Island				1900– 1930	D	Permanent impact from intake 1, utility service, transmission lines, tunnel, canal, borrow/spoil areas.
Grand Island				1850– 1900	D	Tunnel crosses western-most tail of island.
Central Valley Project			Delta Mendota Canal	1946– 1952	D	Permanent surface impact and transmission lines.

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1 **Table 18B-5. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 2A**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_002_004	044-130-013&014	53340 South River Road Clarksburg	Joseph House	1875	I	Intake 1 seen from across the river.
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	I	Intake 1 seen from across the river.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	I	Intake 2, seen from across the river.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	I	Intake 2, seen from across the river.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	I	Intake 2, seen from across the river.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3, seen from across the river.
PTO_010_002	341320010021	10255 River Road Clarksburg	Rosebud Rancho	1877/ 1990	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.
PTO_013_006	341320092001	10725 2nd Street Hood	Delta-style House	1915	I	Permanent transmission lines on property boundary. Small property = significant visual impact.
PTO_013_015	341320093007	10776 2nd Street Hood	Delta-style House	1910	D	Intake 4, permanent surface impact, transmission lines.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	D	Intake 4, permanent transmission lines.
PTO_039_001	1460060059	12865 River Road Courtland	Runyon House	1868	D/I	Permanent transmission lines across property. Visual impact from Intakes 6 and 7.
PTO_045_001	34146006057	River Road Courtland	Vorden Cannery	c1900	D	Intake 7, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.
PTO_045_010	142-0060-033 & 015	13200, 13208 State Highway 160 Walnut Grove	Queen Anne with Folk Victorian elements	c1880	I	Intake 7 seen from across the river.
PTO_055_007	142-0100-028	510 State Highway 220 Walnut Grove	Beaver Union Elementary School	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_056_001	142-0100-080	14310 State Highway 160 Walnut Grove	Grand Island Ranch	1900	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_001	3912905011	1025 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_002	3912905013	1375 South Bacon Island Road Stockton	Contributor to Bacon Island	1915	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_003	3912905055	555 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
Bacon Island				1900– 1930	D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.
Grand Island				1850– 1900	D/N	Temporary transmission lines. No impact if property can be replaced to original condition.
Central Valley Project			Delta Mendota Canal	1946– 1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-6. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 2B**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
EAST_002_004	044-120-002-000	34600 South River Road Clarksburg	Folk Victorian with Craftsman elements	1920	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_007	043-240-011-000	52980 Clarksburg Avenue Clarksburg	Noah Adams Lumber Co./ Merritt School	1924	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_012	043-285-001-000	36510 South River Road Clarksburg	Lawlor and Cosby General Merchandise/ Husick Hardware	1918	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_013	043-285-012-000	36530 South River Road Clarksburg	Husick Hardware/ McCusey	1912	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_014	043-285-011-000	36542 South River Road Clarksburg	Foursquare	c1900	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_015	043-291-009-000	36560 South River Road Clarksburg	Hugaboom House	1878	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_018	043-240-030-000	35265 Willow Avenue Clarksburg	Amalgomated Sugar Co.	1934	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_070_002	001-040-07	12525 W. Walnut Grove Road Thornton	PG&E Classical Revival electrical power substation	c1911	D/N	Temporary transmission lines across the property. No impact if building is not altered. Additional transmission lines adjacent to building would be no impact.
EAST_134_002	39-131-220-34	8700 Neugebauer Road Stockton	Feeder Barn	c1900	D	Canal crosses the property.
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_002_004	044-130- 013&014	53340 South River Road Clarksburg	Joseph House	1875	I	Intake 1 seen from across the river.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	I	Intake 1 seen from across the river.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	I	Intake 2, seen from across the river.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	I	Intake 2, seen from across the river.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	I	Intake 2, seen from across the river.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3, seen from across the river.
PTO_010_002	341320010021	10255 River Road, Clarksburg	Rosebud Rancho	1877/ 1990	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact.
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	I/D	No impact to built resources; associated agricultural parcel will be directly impacted by the canal and other permanent surface impact.
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	D/N	No impact to built resources; agricultural portion of the parcel subject to borrow/spoil area. If agricultural property can be restored, no potentially no impact.
PTO_039_001	1460060059	12865 River Road Courtland	Runyon House	1868	D/I	Permanent transmission lines crossing property. Visual impacts from intakes 6 and 7.
PTO_045_001	34146006057	River Road, Courtland	Vorden Cannery	c1900	D	Intake 7 permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.
PTO_045_010	142-0060-033 & 015	13200, 13208 State Highway 160 Walnut Grove	Queen Anne with Folk Victorian elements	c1880	I	Intake 7 visible from across the river.
Central Valley Project			Delta Mendota Canal	1946- 1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-7. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 2C**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
WEST_014_001	043-160-035	36533 Netherlands Avenue Clarksburg	Holland Land Company Headquarters	1928	I	Borrow/spoil area potentially visible across levee.
WEST_015_001	043-140-002-000	37383 County Road 144 Clarksburg	Delta-style house	c1900	D/I	Built resources parcel not directly impacted; associated agricultural parcel directly impacted by borrow/spoil area and canal.
WEST_175_001	011-120-021	12450 Byron Highway Byron	Preston House	c1870	I	Borrow/spoil area and canal directly across the street.
WEST_177_001	011-270-005	Bixler Road Byron	East Contra Costa Irrigation District Eastern Pumping Station	1914	D	No impact to the pumping stations, however the canal will be directly impacted by temporary surface impact and siphon.
EAST_002_004	044-120-002-000	34600 South River Road Clarksburg	Folk Victorian with Craftsman elements	1920	D/I/N	Built portion of parcel not directly impacted, agricultural portion directly impacted by tunnel and temporary transmission lines. If agricultural portion is restored, no impact.
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	I	Intake 1, visible from across the river.
PTO_002_004	044-130-013&014	53340 South River Road Clarksburg	Joseph House	1875	D	Intake 1, permanent surface impact, permanent access road.
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	D	Intake 1, temporary surface impact, temporary access road through built resource. Significant indirect impact, property adjacent to intake.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	I	Intake 1, visible from across the river.
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	I	Intake 2, visible from across the river.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	D	Intake 2, permanent surface impact, transmission line.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	D	Intake 2, borrow/spoil area includes buildings.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	D	Intake 2, permanent surface impact – in the middle of the intake.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3, temporary road, borrow/spoil area adjacent to parcel.
PTO_013_006	341320092001	10725 2nd Street Hood	Delta-style House	1915	I	Intake 3 visible from across the river.
PTO_013_015	341320093007	10776 2nd Street Hood	Delta-style House	1910	I	Intake 3 visible across the river.
PTO_013_066	043-090-024	39460, 39500 South River Road Clarksburg	Amos Pylman House/Pylman Vineyards Inc.	1915	D/I/N	Temporary power and batch plant on parcel, no direct impact to built resource; agricultural portion impacted. No impact if agricultural portion can be restored. Property between intakes 3 and 4, permanent visual impact.
PTO_013_067	043-090-011	39038 South River Road Clarksburg	Edward Bunnell House	1910	D	Temporary surface impact and temporary road directly impact built resource.
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	I	Intake 4 visible from across the river.
Netherlands Island				1900– 1930	D	Permanent impact from intake 1, utility service, transmission lines, tunnel, canal, borrow/spoil areas.
Grand Island				1850– 1900	D	Tunnel crosses western-most tail of island.
Central Valley Project			Delta Mendota Canal	1946– 1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-8. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 3**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_002_004	044-130-013&014	53340 South River Road Clarksburg	Joseph House	1875	I	Intake 1 seen from across the river.
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	I	Intake 1 seen from across the river.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	I	Intake 2, seen from across the river.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	I	Intake 2, seen from across the river.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	I	Intake 2, seen from across the river.
PTO_010_002	341320010021	10255 River Road Clarksburg	Rosebud Rancho	1877/ 1990	D	Permanent transmission line.
PTO_013_006	341320092001	10725 2 nd Street Hood	Delta-style House	1915	I	Permanent transmission lines on property boundary. Small property = significant visual impact.
PTO_013_015	341320093007	10776 2 nd Street Hood	Delta-style House	1910	D	Permanent transmission lines.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	D	Permanent transmission lines.
PTO_055_007	142-0100-028	510 State Highway 220 Walnut Grove	Beaver Union Elementary School	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_056_001	142-0100-080	14310 State Highway 160 Walnut Grove	Grand Island Ranch	1900	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_001	3912905011	1025 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_002	3912905013	1375 South Bacon Island Road Stockton	Contributor to Bacon Island	1915	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_003	3912905055	555 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
Bacon Island				1900– 1930	D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.
Grand Island				1850– 1900	D/N	Temporary transmission lines. No impact if property can be replaced to original condition.
Central Valley Project			Delta Mendota Canal	1946– 1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-9. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 4**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	N	No Impact
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	N	No Impact
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	I	Intake 1, seen from across the river.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	I	Intake 1, seen from across the river.
PTO_009_001	043-090-001	28320 South River Road Clarksburg	American Foursquare	C1900	I	Intake 2, seen from across the river
PTO_010_002	341320010021	10255 River Road, Clarksburg	Rosebud Rancho	1877/1990	D	Intake 2, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.
PTO_013_006	341320092001	10725 2nd Street Hood	Delta-style House	1915	N	No Impact
PTO_013_015	341320093007	10776 2nd Street Hood	Delta-style House	1910	N	No Impact
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	N	No Impact. However tunnel is below historically associated field behind the residence.
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	D/I	Intake 3 temporary surface impact; permanent visual impact. No direct impact if property can be replaced to original condition.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_029_001		State Highway 4 Stockton	Old River Bridge	1915	N	No impact.
PTO_159_002		South Bacon Island Road	Bacon Island South Bridge	1905	N	No impact. Part of permanent access road
SCO_059_001		South Bacon Island Road	Woodward Island Railroad Bridge	1928	N	No Impact
WEST_047_001	043-070-021	40478 & 40580 South River Road, Clarksburg	Delta-style House	C1900	N	No Impact
Bacon Island				1900-1930	D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.
Central Valley Project			Delta Mendota Canal	1946-1952	D	Permanent surface impact and transmission lines.
California State Water Project, Delta Field Division, Affected Properties: MPTO_002_001			Portion of California Water Project		D	Expansion of the existing reservoir
Contra Costa County	001-031-007					No Impact
	001-031-009					No Impact
	001-031-011					No Impact
	001-031-012					No Impact
	001-031-021					No Impact
	001-041-012					No Impact
	001-041-024					No Impact
	001-041-035					No Impact
	001-041-039					No Impact
	001-041-040					No Impact
	001-081-028					No Impact
	001-091-005					No Impact
	001-101-007					No Impact
	002-250-005					No Impact
Alameda County:	99B-7010-5					No Impact
*This property was not accessible for survey but was previously determined NRHP-eligible and therefore is included.						

1 **Table 18B-10. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 5**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_002_004	044-130-013&014	53340 South River Road Clarksburg	Joseph House	1875	I	Intake 1 seen from across the river.
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	I	Intake 1 seen from across the river.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Temporary transmission lines across built part of property. Tunnel muck, work area, permanent transmission line, and pipeline going through agricultural portion of the property. Impact could be minimized if property restored to original condition.
PTO_010_002	341320010021	10255 River Road Clarksburg	Rosebud Rancho	1877/ 1990	D	Permanent transmission line.
PTO_013_006	341320092001	10725 2nd Street Hood	Delta-style House	1915	I	Permanent transmission lines on property boundary. Small property = significant visual impact.
PTO_013_015	341320093007	10776 2nd Street Hood	Delta-style House	1910	D	Permanent transmission lines.
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	D	Permanent transmission lines.
PTO_055_007	142-0100-028	510 State Highway 220 Walnut Grove	Beaver Union Elementary School	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_056_001	142-0100-080	14310 State Highway 160 Walnut Grove	Grand Island Ranch	1900	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_001	3912905011	1025 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_002	3912905013	1375 South Bacon Island Road Stockton	Contributor to Bacon Island	1915	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_003	3912905055	555 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
Bacon Island				1900– 1930	D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.
Grand Island				1850– 1900	D/N	Temporary transmission lines. No impact if property can be replaced to original condition.
Central Valley Project			Delta Mendota Canal	1946– 1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-11. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 6A**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_002_004	044-130-013&014	53340 South River Road Clarksburg	Joseph House	1875	I	Intake 1 seen from across the river.
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	I	Intake 1 seen from across the river.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Intake 2 permanent surface impact, permanent access road, permanent transmission lines; tunnel muck, work area, pipeline going through agricultural portion of the property.
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	I	Intake 2 seen from across the river.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	I	Intake 2 seen from across the river.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	I	Intake 2 seen from across the river.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3 seen from across the river.
PTO_010_002	341320010021	10255 River Road, Clarksburg	Rosebud Rancho	1877/ 1990	D	Intake 3 permanent surface impact, permanent access road, permanent transmission lines; temporary surface impact, temporary access road.
PTO_013_006	341320092001	10725 2 nd Street Hood	Delta-style House	1915	I	Permanent transmission lines on property boundary. Small property = significant visual impact. Intake 4 visible.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_013_015	341320093007	10776 2 nd Street Hood	Delta-style House	1910	D	Intake 4 permanent surface impact, permanent transmission lines.
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	D	Intake 4 permanent surface impact, permanent transmission lines.
PTO_013_066	043-090-024	39460, 39500 South River Road Clarksburg	Amos Pylman House/Pylman Vineyards Inc.	1915	I	Intake 4 seen across the river.
PTO_013_067	043-090-011	39038 South River Road Clarksburg	Edward Bunnell House	1910	I	Intake 4 seen across the river.
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	D/I	Intake 5 temporary surface impact. Intake immediately adjacent to property, significant visual impact even if area of temporary surface impact can be restored.
PTO_055_007	142-0100-028	510 State Highway 220 Walnut Grove	Beaver Union Elementary School	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_056_001	142-0100-080	14310 State Highway 160 Walnut Grove	Grand Island Ranch	1900	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_001	3912905011	1025 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_002	3912905013	1375 South Bacon Island Road Stockton	Contributor to Bacon Island	1915	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_003	3912905055	555 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
Bacon Island				1900–1930	D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.
Grand Island				1850–1900	D/N	Temporary transmission lines. No impact if property can be replaced to original condition.
Central Valley Project			Delta Mendota Canal	1946–1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-12. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 6B**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
EAST_002_004	044-120-002-000	34600 South River Road Clarksburg	Folk Victorian with Craftsman elements	1920	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_012	043-285-001-000	36510 South River Road Clarksburg	Lawlor and Cosby General Merchandise/ Husick Hardware	1918	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_013	043-285-012-000	36530 South River Road Clarksburg	Husick Hardware/ McCusey	1912	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_014	043-285-011-000	36542 South River Road Clarksburg	Foursquare	c1900	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_015	043-291-009-000	36560 South River Road Clarksburg	Hugaboom House	1878	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_007_018	043-240-030-000	35265 Willow Avenue Clarksburg	Amalgomated Sugar Co.	1934	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.
EAST_070_002	001-040-07	12525 W. Walnut Grove Road Thornton	PG&E Classical Revival electrical power substation	c1911	D/N	Temporary transmission lines across the property. No impact if building is not altered. Additional transmission lines adjacent to building would be no impact.
EAST_134_002	39-131-220-34	8700 Neugebauer Road Stockton	Feeder Barn	c1900	D	Canal crosses the property.
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	I	Intake 1 seen from across the river.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	I	Intake 2, seen from across the river.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	I	Intake 2, seen from across the river.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	I	Intake 2, seen from across the river.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3, seen from across the river.
PTO_010_002	341320010021	10255 River Road Clarksburg	Rosebud Rancho	1877/ 1990	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.
PTO_013_006	341320092001	10725 2 nd Street Hood	Delta-style House	1915	I	Intake 4 visible.
PTO_013_015	341320093007	10776 2 nd Street Hood	Delta-style House	1910	D	Intake 4 permanent surface impact, permanent access road, permanent transmission line.
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	D	Intake 4 permanent surface impact, permanent access road, permanent transmission line.
PTO_013_067	043-090-011	39038 South River Road Clarksburg	Edward Bunnell House	1910	I	Intake 4 visible from across the river.
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	D/I	Intake 5 temporary surface impact. Intake immediately adjacent to property, significant visual impact even if area of temporary surface impact can be restored.
Central Valley Project			Delta Mendota Canal	1946- 1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-13. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 6C**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
WEST_014_001	043-160-035	36533 Netherlands Avenue Clarksburg	Holland Land Company Headquarters	1928	I	Borrow/spoil area potentially visible across levee.
WEST_015_001	043-140-002-000	37383 County Road 144 Clarksburg	Delta-style house	c1900	D/I	Built resources parcel not directly impacted; associated agricultural parcel directly impacted by borrow/spoil area and canal.
WEST_175_001	011-120-021	12450 Byron Highway Byron	Preston House	c1870	I	Borrow/spoil area and canal directly across the street.
WEST_177_001	011-270-005	Bixler Road Byron	East Contra Costa Irrigation District Eastern Pumping Station	1914	D	No impact to the pumping stations, however the canal will be directly impacted by temporary surface impact and siphon.
EAST_002_004	044-120-002-000	34600 South River Road Clarksburg	Folk Victorian with Craftsman elements	1920	D/I/N	Built portion of parcel not directly impacted, agricultural portion directly impacted by tunnel and temporary transmission lines. If agricultural portion is restored, no impact.
PTO_001_003	119-0230-014	9051 River Road Sacramento	Scribner's Bend Vineyards	1920	I	Intake 1, visible from across the river.
PTO_002_004	044-130-013&014	53340 South River Road Clarksburg	Joseph House	1875	D	Intake 1, permanent surface impact, permanent access road.
PTO_002_007	044-130-024	53750 South River Road Clarksburg	Delta-style House	c1875	D	Intake 1, temporary surface impact, temporary access road through built resource. Significant indirect impact, property adjacent to intake.
PTO_002_017	119-0230-098	8870 River Road Sacramento	Moore House	c1900	I	Intake 1, visible from across the river.
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	I	Intake 2, visible from across the river.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	D	Intake 2, permanent surface impact, transmission line.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	D	Intake 2, borrow/spoil area includes buildings.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	D	Intake 2, permanent surface impact – in the middle of the intake.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3, temporary road, borrow/spoil area adjacent to parcel.
PTO_013_006	341320092001	10725 2 nd Street Hood	Delta-style House	1915	I	Intake 3 visible from across the river.
PTO_013_015	341320093007	10776 2 nd Street Hood	Delta-style House	1910	I	Intake 3 visible across the river.
PTO_013_066	043-090-024	39460, 39500 South River Road Clarksburg	Amos Pylman House/Pylman Vineyards Inc.	1915	D/I/N	Temporary power and batch plant on parcel, no direct impact to built resource; agricultural portion impacted. No impact if agricultural portion can be restored. Property between intakes 3 and 4, permanent visual impact.
PTO_013_067	043-090-011	39038 South River Road Clarksburg	Edward Bunnell House	1910	D	Temporary surface impact and temporary road directly impact built resource.
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	I	Intake 4 visible from across the river.
Netherlands Island				1900– 1930	D	Permanent impact from intake 1, utility service, transmission lines, tunnel, canal, borrow/spoil areas.
Grand Island				1850– 1900	D	Tunnel crosses western-most tail of island.
Central Valley Project			Delta Mendota Canal	1946– 1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-14. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 7**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Intake 2 permanent surface impact, permanent access road, permanent transmission lines; tunnel muck, work area, pipeline going through agricultural portion of the property.
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	I	Intake 2 seen from across the river.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	I	Intake 2 seen from across the river.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	I	Intake 2 seen from across the river.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3 seen from across the river.
PTO_010_002	341320010021	10255 River Road Clarksburg	Rosebud Rancho	1877/ 1990	D	Intake 3 permanent surface impact, permanent access road, permanent transmission lines; temporary surface impact, temporary access road.
PTO_013_006	341320092001	10725 2 nd Street Hood	Delta-style House	1915	I	Permanent transmission lines on property boundary. Small property = significant visual impact. Intake 4 visible.
PTO_013_015	341320093007	10776 2 nd Street Hood	Delta-style House	1910	D	Intake 4 permanent transmission lines.
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	D	Intake 4 permanent transmission lines.
PTO_013_066	043-090-024	39460, 39500 South River Road Clarksburg	Amos Pylman House/Pylman Vineyards Inc.	1915	I	Intake 4 seen across the river.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	D/I	Intake 5 temporary surface impact. Intake immediately adjacent to property, significant visual impact even if area of temporary surface impact can be restored.
PTO_055_007	142-0100-028	510 State Highway 220 Walnut Grove	Beaver Union Elementary School	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_056_001	142-0100-080	14310 State Highway 160 Walnut Grove	Grand Island Ranch	1900	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_001	3912905011	1025 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_002	3912905013	1375 South Bacon Island Road Stockton	Contributor to Bacon Island	1915	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_003	3912905055	555 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
Bacon Island				1900– 1930	D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.
Grand Island				1850– 1900	D/N	Temporary transmission lines. No impact if property can be replaced to original condition.
Central Valley Project			Delta Mendota Canal	1946– 1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-15. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 8**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_005_002	341190230043	9521 River Road Clarksburg	Mosher House	c1903	D	Intake 2 permanent surface impact, permanent access road, permanent transmission lines; tunnel muck, work area, pipeline going through agricultural portion of the property.
PTO_007_004	043-260-005	37232 South River Road Clarksburg	Delta-style House	1925	I	Intake 2 seen from across the river.
PTO_007_012	043-260-019	37500 South River Road Clarksburg	Delta-style House	1919	I	Intake 2 seen from across the river.
PTO_007_020	043-170-012	53555 Country Road 141 Clarksburg	George Cornish House	1880	I	Intake 2 seen from across the river.
PTO_009_001	043-090-003	38320 South River Road Clarksburg	Foursquare vernacular	c1900	I	Intake 3 seen from across the river.
PTO_010_002	341320010021	10255 River Road Clarksburg	Rosebud Rancho	1877/1990	D	Intake 3 permanent surface impact, permanent access road, permanent transmission lines; temporary surface impact, temporary access road.
PTO_013_006	341320092001	10725 2 nd Street Hood	Delta-style House	1915	I	Permanent transmission lines on property boundary. Small property = significant visual impact. Intake 4 visible.
PTO_013_015	341320093007	10776 2 nd Street Hood	Delta-style House	1910	D	Intake 4 permanent transmission lines.
PTO_013_064	341320120012	10911 River Road Courtland	Queen Anne w/ Classical Revival elements	c1900	D	Intake 4 permanent transmission lines.
PTO_013_066	043-090-024	39460, 39500 South River Road Clarksburg	Amos Pylman House/Pylman Vineyards Inc.	1915	I	Intake 4 seen across the river.
PTO_016_001	341320210044	11275 River Road Courtland	George B. Greene House	1876	D/I	Intake 5 temporary surface impact. Intake immediately adjacent to property, significant visual impact even if area of temporary surface impact can be restored.

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
PTO_055_007	142-0100-028	510 State Highway 220 Walnut Grove	Beaver Union Elementary School	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_056_001	142-0100-080	14310 State Highway 160 Walnut Grove	Grand Island Ranch	1900	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_001	3912905011	1025 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_002	3912905013	1375 South Bacon Island Road Stockton	Contributor to Bacon Island	1915	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
PTO_173_003	3912905055	555 South Bacon Island Road Stockton	Contributor to Bacon Island	1920	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.
Bacon Island				1900–1930	D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.
Grand Island				1850–1900	D/N	Temporary transmission lines. No impact if property can be replaced to original condition.
Central Valley Project			Delta Mendota Canal	1946–1952	D	Permanent surface impact and transmission lines.

1 **Table 18B-16. Identified and Evaluated (Accessible) Built Environment Resources Affected, Alternative 9**

Property #	APN	Address #	Property Name	Date Built	I/D/N	Project Feature
EAST_070_002	001-040-07	12525 W. Walnut Grove Road Thornton	PG&E Classical Revival electrical power substation	c1911	D/N	Transmission lines adjacent to the substation will not impact it unless the building itself is altered.
PTO_180_003	3912905053	Woodward Island	Bacon Island Railroad Bridge	1929	D/N	Should dredging around the bridge be necessary, it needs to be protected.
SCO_008_001	146-0100-039	13693 River Road Walnut Grove	Classical Revival residence	c1890	D/I	Dredging and constructing of the canal leading to the operable barrier may cause construction vibration, potentially damaging built resources. Visual impact from operable barrier and canal leading to it.
SCO_008_004	142-0080-103	13760 State Highway 160 Walnut Grove	Queen Anne residence	c1905	I	Operable barrier visible from across river.
SCO_009_006	142-0080-108	13910 State Highway 160 Walnut Grove	Durbin/Towne House	1930	D	Dredging at river side may cause construction vibration, potentially damaging built resources.
SCO_015_027	146-0180-058 & 060	14273 River Road Walnut Grove	Jean Harvie School	1925	D/I	Permanent surface impact adjacent to property. Potential construction-related vibration. Visual impact from intake.
SCO_016_025	146-0340-003	14160 Market Street Walnut Grove	Imperial Theater	c1920	I	Visual impact from intake. Property lost integrity. Recommend delisting.
SCO_059_001			Woodward Island Railroad Bridge	1928	D/N	Should dredging around the bridge be necessary, it needs to be protected.
Locke Historic District					D	Permanent Surface impact - Intakes
Walnut Grove Japanese/American Historic District					D	Permanent Surface impact - Intakes
Walnut Grove Historic Commercial District					D	Permanent Surface impact - Intakes
Bacon Island				1900-1930	D	Potential spoil area, work area, transformer, operable barrier.
Central Valley Project			Delta Mendota Canal	1946-1952	D	Permanent surface impact and transmission lines.

2

18B.1.1 Archaeological Site Descriptions

The following site descriptions use the existing site records to assess the potential of identified and affected archaeological resources to qualify as historical resources and historic properties in order to support impact conclusions. As discussed in Chapter 18, access to the majority of sites in the right-of-way for the conveyance alternatives was lacking. In addition, the number and richness of identified resources suggests that potentially damaging test excavation necessary to perform typical evaluation of these resources would be result in damage to known resources for alternatives that may not actually be affected by the chosen alternative. Therefore, this section of this appendix assesses the potential of these resources to retain qualities that would make the resources likely to qualify as historical resources or historic properties, based on the best currently available evidence in records rather than test excavation.

18B.1.1.1 Sacramento County Sites

18B.1.1.1.1 CA-Sac-21

This prehistoric deposit consists of a “very large and high” midden site. The original site record provides anecdotal descriptions of bowl mortars and burials. Cultural items included stemmed projectile points, steatite ear spools, rings, abalone ornaments (*Haliotis rufescens*), and small shell beads manufactured from *Olivella biplicata*. The deposit spanned approximately 68 meters on the long axis. Because the scale of the site is relatively vast, it is almost certain that significant portions of the site remain undisturbed with the integrity to convey data useful in research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.1.2 CA-Sac-47

This prehistoric deposit was recorded by Dr. Franklin Fenenga on an undated site record. The site record was likely recorded prior to 1950, judging by the relatively early number in the numbering sequence. The site dimensions are approximately 91 meters by 30 meters. No description of the cultural constituents is provided on the site record, except a note indicating that the artifacts were “brought to museum by Heizer and Fenenga.” Because the scale of the site is relatively vast, it is almost certain that significant portions of the site remain undisturbed with the integrity to convey data useful in research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.1.3 CA-Sac-56

The original site record for this resource indicates a midden site measuring approximately 91 meters by 365 meters. The height above grade was recorded as 3 meters. The deposit included baked clay objects, charm stones (cylindrical stone pendants that are often perforated at one end, for suspension on a string), obsidian debitage (tool stone manufacturing debris) and projectile points, and shell beads. The size and constituents of the deposit are consistent with expectations for a large habitation site that would be expected to have human remains as well as habitation debris and possible multiple components (deposits from different time periods or activities). The site was originally recorded in 1934. Because the scale of the site is relatively vast, it is almost certain that

1 significant portions of the site remain undisturbed with the integrity to convey data useful in
2 research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR
3 concludes that this resource is a historical resource under CEQA. For the same reasons, it is
4 recommended eligible for the NRHP.

5 **18B.1.1.1.4 CA-Sac-57**

6 The site record for this resource describes a “small mound” on the bank of the Sacramento River.
7 The site was originally recorded in 1934. The colloquial description of a “mound” is consistent with
8 a raised deposit that is higher than the surrounding grade that would be expected to have midden,
9 burials, and utilitarian and ornamental artifacts. Because mound and midden sites typically contain
10 substantial deposits below grade, it almost certain that significant portions of the site remain
11 undisturbed with the integrity to convey data useful in research, as defined in 14 California Code of
12 Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical
13 resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

14 **18B.1.1.1.5 CA-Sac-59**

15 This resource consists of a midden site recorded in 1934. The site is approximately 47 meters in
16 diameter and one meter high. The site record provides no indication as to the nature of the deposit
17 other than indicating that the site is a “mound” site. Burials, grave goods such as shell beads,
18 habitation debris such as charcoal and faunal bone and utilitarian artifacts would be expected in a
19 midden site. Because mound and midden sites typically contain substantial deposits below grade, it
20 almost certain that significant portions of the site remain undisturbed with the integrity to convey
21 data useful in research, as defined in 14 California Code of Regulations Section 4852(c). For these
22 reasons DWR concludes that this resource is a historical resource under CEQA. For the same
23 reasons, it is recommended eligible for the NRHP.

24 **18B.1.1.1.6 CA-Sac-60**

25 This resource was originally recorded in 1934. The site dimensions are 34 meters by 100 meters.
26 Burials were noted, and the site record indicates that a portion of the deposit was removed and
27 artifacts were curated at the Robert Lowie Museum of Anthropology at U.C. Berkeley. The site is
28 described as a “mound” site, and would be expected to contain burials and associated grave goods as
29 well as habitation debris, if portions of the deposit remain intact. Because mound and midden sites
30 typically contain substantial deposits below grade, it almost certain that significant portions of the
31 site remain undisturbed with the integrity to convey data useful in research, as defined in 14
32 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource
33 is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

34 **18B.1.1.1.7 CA-Sac-61**

35 This resource was originally recorded in 1934. The site record has few details and only describes a
36 “mound” (midden) deposit measuring 27 meters in diameter. No details as to the nature of the
37 artifacts or other cultural material are provided, but a midden site would be expected to have
38 burials and associated grave goods as well as habitation debris, if portions of the deposit remain
39 intact. Because mound and midden sites typically contain substantial deposits below grade, it almost
40 certain that significant portions of the site remain undisturbed with the integrity to convey data
41 useful in research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons

1 DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is
2 recommended eligible for the NRHP.

3 **18B.1.1.1.8 CA-Sac-62**

4 This prehistoric deposit consists of a midden site originally recorded in 1934, with site record
5 updates in 1959 and 2007. During the 2007 update, surveyors were not able to relocate the deposit,
6 suggesting the possibility that surface manifestations of the site may have been destroyed, or that
7 the deposit was not originally plotted correctly and thus perhaps still exists. The site record gives no
8 indication as to the nature of the deposit, but does indicate the site spans 55 meters in diameter.
9 Because the site spans some 55 meters across, it is likely that that significant portions of the site
10 remain undisturbed with the integrity to convey data useful in research, as defined in 14 California
11 Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a
12 historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

13 **18B.1.1.1.9 CA-Sac-65/H**

14 This resource consists of a deposit of dark midden soil with baked clay objects, chert core tools and
15 flaked debris, and charcoal (prehistoric cultural constituents). This deposit occurs in physical
16 association with historic debris. The historic debris consists of green glass, cattle and sheep bone,
17 shell buttons, rusted metal, and a "Gebhardt chili powder bottle." The deposit measures 121 meters
18 by 76 meters. The site was recorded in 1949 with updates to the record in 1959 and 1973. The 1959
19 update indicates that the site contained cremation burials, with no indication as to the number,
20 location, or condition of this component. Because the site spans some 121 meters across, it is likely
21 that that significant portions of the site remain undisturbed with the integrity to convey data useful
22 in research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR
23 concludes that this resource is a historical resource under CEQA. For the same reasons, it is
24 recommended eligible for the NRHP.

25 **18B.1.1.1.10 CA-Sac-75**

26 The site record for this resource describes a midden deposit distributed in a linear form extending
27 north-south for approximately 400 meters. The deposit contains human remains, obsidian and chert
28 debitage (tool stone manufacturing debris), chert projectile points, fire-cracked rock, mortar and
29 pestle fragments, and glass beads. Because this is extremely expansive (400 meters) it is likely that
30 that significant portions of the site remain undisturbed with the integrity to convey data useful in
31 research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR
32 concludes that this resource is a historical resource under CEQA. For the same reasons, it is
33 recommended eligible for the NRHP.

34 **18B.1.1.1.11 CA-Sac-188**

35 The site record for this resource describes a deposit 91 meters wide by 60 meters wide. The cultural
36 constituents include burials, faunal bone, obsidian, ochre, *Haliotis* sp. (abalone) ornaments and
37 *Saxidomus* sp. (clam) shell disk beads, and baked clay objects. The site was originally recorded in
38 1952. Because this site contains a rich assemblage and is relatively expansive it is likely that that
39 significant portions of the site remain undisturbed with the integrity to convey data useful in
40 research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR

1 concludes that this resource is a historical resource under CEQA. For the same reasons, it is
2 recommended eligible for the NRHP.

3 **18B.1.1.1.12 CA-Sac-249**

4 This prehistoric deposit was recorded in 1962, with no subsequent update to the site record. The
5 site record indicates that the site contains shell, bone, burnt clay objects in a deposit spanning
6 approximately 12 meters by 3 meters. The site record indicates some loss of integrity through
7 surface grading for agriculture. While this site is relatively small, the rich nature of the assemblage
8 described is consistent with the nature of deposits that typically have burials and other cultural
9 constituents that speak to research domains. For these reasons it is likely that that significant
10 portions of the site remain undisturbed with the integrity to convey data useful in research, as
11 defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that
12 this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible
13 for the NRHP.

14 **18B.1.1.1.13 CA-Sac-309**

15 This site was originally recorded in 1973. The site record describes a scatter of baked clay objects,
16 charcoal and obsidian approximately 60 meters in diameter. The site record suggests the deposit
17 may represent an activity-specific deposit associated with baked clay manufacture, but test
18 excavations have not confirmed as much. Because baked clay sites are rare and the site is somewhat
19 expansive, it is likely that that significant portions of the site remain undisturbed with the integrity
20 to convey data useful in research, as defined in 14 California Code of Regulations Section 4852(c).
21 For these reasons DWR concludes that this resource is a historical resource under CEQA. For the
22 same reasons, it is recommended eligible for the NRHP.

23 **18B.1.1.1.14 CA-Sac-328**

24 This site consists of a midden deposit with obsidian projectile points, shell ornaments and human
25 burials. The site was eroding out of an erosion cut on the riverbank and has not subsequently been
26 precisely relocated. The site was first recorded in 1974 and the record suggests that a substantial
27 portion of the deposit has been washed away by the river, but precise spatial boundaries are not
28 available. The artifacts noted are consistent with the kinds of deposits found in large midden sites,
29 colloquially referred to as “mound” sites that typically have deep, layered deposits with multiple
30 components. The site boundaries, size and area are not noted. Because the nature of the assemblage
31 associated with this resource is consistent with a rich midden site, it is likely that that significant
32 portions of the site remain undisturbed with the integrity to convey data useful in research, as
33 defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that
34 this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible
35 for the NRHP.

36 **18B.1.1.1.15 CA-Sac-395**

37 This site was originally recorded in 1982. The site record describes a deposit approximately four
38 meters in diameter and *Haliotis* sp. (abalone) fragments and *Saxidomus* sp. (clam) shell disk beads,
39 as well as *Olivella* sp. shell beads. No burials were noted but the artifacts found are typically
40 associated with human remains. Because the nature of the assemblage associated with this resource
41 is consistent with a rich midden site, it is likely that that significant portions of the site remain

1 undisturbed with the integrity to convey data useful in research, as defined in 14 California Code of
2 Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical
3 resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

4 **18B.1.1.2 San Joaquin County Sites**

5 **18B.1.1.2.1 CA-Sjo-68**

6 This resource consists of a prehistoric midden site originally described as measuring 40 meters by
7 20 meters horizontally and 0.45 meters high. The site was originally recorded in 1929 and revisited
8 in 1947 and 1992. The site was excavated by Robert Heizer in 1947, and others. Approximately 230
9 burials have been removed from the site during the course of numerous excavations. The artifact
10 assemblage on site included fish hooks and other fishing implements as well as abundant animal
11 bone. The site is colloquially known as the “Blossom Mound” and contains an early “Windmill”
12 deposit that falls into the Early Horizon (8000 to 4000 BP). Radiocarbon dates indicated on the site
13 record place the site to circa 3,000 to 4,500 BP—suggesting dateable material may remain. The site
14 record also indicates that the majority of the deposit remained intact when the site record was
15 updated in 1992. Because this site has a documented cultural assemblage that is uniquely rich and
16 abundant it is likely that that significant portions of the site remain undisturbed with the integrity to
17 convey data useful in research, as defined in 14 California Code of Regulations Section 4852(c). For
18 these reasons DWR concludes that this resource is a historical resource under CEQA. For the same
19 reasons, it is recommended eligible for the NRHP.

20 **18B.1.1.2.2 CA-Sjo-115**

21 This site consists of a prehistoric deposit recorded in 1962. The site record offers no detail as to the
22 nature of the deposit or site dimensions. The relatively early date of recordation suggests that it is
23 not a minor resource but instead a potentially important resource that should be revisited and
24 which may contain a rich assemblage associated with midden or burials. Sites recorded in the early
25 and middle years of Delta research were typically noted because they were rich and attracted the
26 attention of the research community. For these reasons it is possible that portions of the site remain
27 undisturbed with the integrity to convey data useful in research, as defined in 14 California Code of
28 Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical
29 resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

30 **18B.1.1.2.3 CA-Sjo-142**

31 This prehistoric resource consists of a midden site that contains a material culture consistent with
32 the “early period” or “Windmill culture” as defined in early classification systems for the Delta,
33 and is indicated as an example of this culture by Moratto (1984:180). Sacramento Junior College
34 excavated the site and removed 56 burials and associated artifacts that are now curated at the Lowie
35 Museum at the University of California, Berkeley. The site was originally recorded in 1937, and the
36 site record was updated in 1992. No indication is given as to the dimensions or depth of the site
37 except one note in the original site record, on the line for the site depth, which indicates 40 feet (12
38 meters, possibly a typo referring to the site diameter).

39 The site record documents a range of artifacts including projectile points, steatite ornaments, square
40 *Haliotis* sp. (abalone) beads, a “chisel-pointed” pestle, quartz crystals, *Olivella* sp. (marine snail)
41 beads, baked clay, and an “obsidian knife.” The 1992 site record update indicates radiocarbon dates

1 of 3,445 B.P, 2,180 BP and 1,735 BP—suggesting dateable material may remain. The site record
2 indicates that farming may have destroyed surface indications of the site and that no surface
3 manifestations were found when archaeologists visited the site during a visit conducted in 1982.
4 The rich nature of the documented deposit suggests that portions of the site remain undisturbed
5 with the integrity to convey data useful in research, as defined in 14 California Code of Regulations
6 Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under
7 CEQA. For the same reasons, it is recommended eligible for the NRHP.

8 **18B.1.1.2.4 CA-Sjo-143**

9 This site was recorded in 1949. The site record provides no indication as to the constituents or
10 dimensions of the deposit. The early date of recordation suggests that it is not a minor resource but
11 instead a potentially important resource that should be revisited and which may contain a rich
12 assemblage. Sites recorded in the early and middle years of Delta research were typically noted
13 because they were rich and attracted the attention of the research community. For these reasons it
14 is possible that portions of the site remain undisturbed with the integrity to convey data useful in
15 research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR
16 concludes that this resource is a historical resource under CEQA. For the same reasons, it is
17 recommended eligible for the NRHP.

18 **18B.1.1.2.5 CA-Sjo-144**

19 This site was recorded in 1949. The site record provides no indication as to the constituents or
20 dimensions of the deposit. The early date of recordation suggests that it is not a minor resource but
21 instead a potentially important resource that should be revisited and which may contain a rich
22 assemblage. Sites recorded in the early and middle years of Delta research were typically noted
23 because they were rich and attracted the attention of the research community. For these reasons it
24 is possible that portions of the site remain undisturbed with the integrity to convey data useful in
25 research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR
26 concludes that this resource is a historical resource under CEQA. For the same reasons, it is
27 recommended eligible for the NRHP.

28 **18B.1.1.2.6 CA-Sjo-145**

29 This site was recorded in 1938. The original site description contains no indication as to the cultural
30 constituents or size of the site. A subsequent site record update was provided in 1992 for
31 excavations performed to salvage material in anticipation of the possible construction of the
32 peripheral canal. The site record update indicated that portions of 2 burials were recovered as well
33 as basalt and obsidian debitage (tool stone manufacturing debris), an obsidian projectile point,
34 baked clay, faunal bone, and shell fragments (not otherwise specified). The site record indicated that
35 approximately 10% of the deposit had been removed, consisting of 30 cubic meters. The site record
36 update indicated that agricultural disturbance had impaired the integrity of the site, but did not
37 evaluate the overall remaining site integrity. Radiocarbon dating of bone collagen samples from the
38 burials indicated that the deposit was formed between approximately 900 BP to 2500 BP—
39 suggesting dateable material may remain. The burial component and relatively diverse assemblage
40 indicate it is possible that portions of the site remain undisturbed with the integrity to convey data
41 useful in research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons
42 DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is
43 recommended eligible for the NRHP.

18B.1.1.2.7 CA-Sjo-146

This prehistoric deposit was recorded in 1949. The site record gives no indication as to the dimensions, depth, or nature of the deposit. Sites recorded in the early and middle years of Delta research were typically noted because they were rich and attracted the attention of the research community. For these reasons it is possible that portions of the site remain undisturbed with the integrity to convey data useful in research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.2.8 CA-Sjo-208-H

This site consists of an historic-era trash deposit with rubble and historic-era debris dating from approximately 1900 to 1930. The deposit includes “Japanese glass and Asian brownware,” graniteware saucepan fragments, personal clothing, toiletries, bricks, wire nails, and farm equipment. The historic era deposit measures 93.6 meters on the long axis with an estimated surface area of 3,869 meters square. Because this deposit is expansive it likely contains useful data, with integrity, regarding historical patterns of consumption. For this reason the resource likely has significance as defined in 14 California Code of Regulations Section 4852(c). For the same reasons it is recommended eligible for the NRHP.

18B.1.1.2.9 CA-SJO-232H

This historic archaeological deposit consists of historic cultural debris containing the remains of agricultural equipment, old stoves, glass, ceramic and metal. The site measures approximately 350 feet across (107 meters). The deposit was associated with several standing structures at the time of the last site record update (1991), which may have subsequently collapsed; the structures appear to be leaning to the side in the available photographs. The site record gives no indication as to the association of this resource with a theme of significance other than indicating the site may be a migrant work camp. The expansive deposit (350 feet/106.7 meters across) suggests the site is likely to contain some constituents that retain integrity and are useful in historical research as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.3 Contra Costa County Sites**18B.1.1.3.1 CA-CCo-128**

The prehistoric deposit at CA-CCo-128 was originally recorded in 1949. The original site record describes the site as a “campsite” situated on top of a sand dune. The original site record describes a deposit approximately 1 meter deep, measuring 30 meters by 90 meters, with human bone appearing on the surface of the site; as a result of agricultural activity. Other cultural constituents consist of obsidian flakes. Subsequent excavations removed human remains and Stockton series projectile points, a late-period serrated arrowhead that emerged in the prehistoric record within the last 1000 years. The site appears to have both burial and habitation components and is relatively expansive, therefore it may offer useful data and retain integrity as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.3.2 CA-CCo-129 (Hotchkiss Mound)

This prehistoric deposit was originally recorded in 1949. The site record describes a deposit of burials and cultural debris deposited on sand dunes, measuring 45 meters across. The 1949 site record notes “at least 110 burials,” in addition to shell artifacts, “fish spears,” obsidian blades, a carbonized net, turquoise disc beads, stone (“biotite”) pendants, magnesite and steatite beads, and a steatite ring. Site record updates from the 1940s through 1950s show photographs of excavated burials and features including a bear skeleton interred with *Haliotis* sp. (abalone shells) noted as a “ceremonial bear burial,” an exposed house floor, and numerous obsidian projectile points and blades. No reference is given for an associated report. The rich assemblage at CA-CCo-128 significantly informed the early understanding of the late phase Delta archaeology, and was previously used to illustrate the “Hotchkiss culture” as one facet of the late phase material culture in the Delta (Moratto 1984: 213, Bennyhoff 1977). Subsequent test excavations described in site record updates describe marine shell, basalt, ground stone fragments consisting of hopper mortars and hand stones (Holman 2004a). The 2004 investigations recovered very few artifacts (three ground stone implements, a biface fragment, seven pieces of flaked obsidian stone debris, and nine unidentifiable bone fragments). The 2004 investigations indicated some uncertainty as to the location of the deposit identified and investigated in the 1940s and 1950s, and suggested that subsequent agricultural grading and other earthmoving may have obscured the original location. While the site location is not certain, the extremely rich burial assemblage suggests that portions of the site are likely to remain intact. For these reasons it is likely to contain information useful in research and is also likely to retain integrity as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.3.3 CA-CCo-130

This resource was originally recorded in 1939 and no detailed updates to the site record have subsequently been prepared other than a small update regarding activity in 1950. Little indication is given as to the nature of the deposit except a note indicating that the “mound” (midden deposit) was leveled for farming dating to 1950. Sites recorded in the early and middle years of Delta research were typically noted because they were rich and attracted the attention of the research community. For these reasons it is possible that portions of the site remain undisturbed with the integrity to convey data useful in research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.3.4 CA-CCo-143

This prehistoric archaeological site consists of a deposit originally recorded in 1948, by Robert F. Heizer. The site measured approximately 30 meters by 40 meters. Cultural constituents noted included flaked stone debris, a “chopper,” and an *Olivella* sp. bead. The site record describes the site’s integrity as “very disturbed by leveling and plowing.” The site was revisiting in 1990 and mapped, but no excavations were described on the site record update. Sites recorded in the early and middle years of Delta research were typically noted because they were rich and attracted the attention of the research community. For these reasons it is possible that portions of the site remain undisturbed with the integrity to convey data useful in research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.3.5 CA-CCo-144

This site was recorded in 1948 by Robert F. Heizer. The site record gives no indication as to the cultural constituents, dimensions, or integrity of the deposit. No site record updates are on file. Sites recorded in the early and middle years of Delta research were typically noted because they were rich and attracted the attention of the research community. For these reasons it is possible that portions of the site remain undisturbed with the integrity to convey data useful in research, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.3.6 CA-CCo-368

This prehistoric deposit was recorded in 1977. The site record indicates the deposit spans 165 meters by 185 meters. Cultural constituents include ground stone, fire altered rock, burned bone, charcoal, lithic debris and human remains, ground stone, and a basalt bowl fragment. Two burials were removed from the site. The site forms a low mound consistent with the pattern for midden sites in the region. Two burials were removed when the site was originally recorded in 1977 and subsequent excavations were performed. Subsequent site record updates indicate the site as having data potential sufficient to satisfy NRHP criterion D, but conflicting reports are given as to integrity in the site record. Four burial records prepared in 1991 describe removal of four burials as part of test excavations for an unspecified project and report. The four burial records describe four burials found largely in articulation and with no indication as to significant subsurface disturbance. The burial assemblage and size of the site suggest portions remain with useful information and integrity as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.3.7 CA-CCo-653

This prehistoric deposit was recorded in 1992 as part of surveys for a gas pipeline transmission project (INFOTEC 1994). The site map depicts a deposit measuring 37 meters long by 35 meters across. The site record suggests the site was recorded in response to discovery during construction of a pipeline, and indicates that one burial was noted at 1.5 meters below the surface. Other cultural constituents include flaked stone debris, ground stone, faunal bone and dark soils around the burial that may consist of midden or may be the result of natural processes. The burial component and size suggest the site may be useful in research and may retain integrity, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

18B.1.1.3.8 CA-CCo-767

This deposit consists of a prehistoric midden site that occurs on slightly elevated sand dunes, containing marine shell, obsidian tools and human bone. The site was recorded in 2004. The site spans 116 meters by 87 meters. Numerous pits were noted on the surface; and were presumed to be the result of amateur relic hunting. The site record indicates that the majority of the deposit appears intact. The burial component and size suggest the site may be useful in research and may retain integrity, as defined in 14 California Code of Regulations Section 4852(c). For these reasons DWR

1 concludes that this resource is a historical resource under CEQA. For the same reasons, it is
2 recommended eligible for the NRHP.

3 **18B.1.1.4 Yolo County Sites**

4 **18B.1.1.4.1 CA-Yol-26**

5 This resource consists of a leveled midden site with no date for when the resource was recorded.
6 The site record indicates the resource was originally approximately 23 meters across and contained
7 at least 25 burials, interred in a flexed position in addition to obsidian projectile points, glass beads
8 and a bone awl. The burial component of 25 individuals suggests that this resource is rich,
9 potentially useful in research and likely to retain at least some integrity, as defined in 14 California
10 Code of Regulations Section 4852(c). For these reasons DWR concludes that this resource is a
11 historical resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

12 **18B.1.1.4.2 CA-Yol-29**

13 This resource consists of a leveled midden site recorded in 1956. The site record describes a deposit
14 measuring approximately 30 meters in diameter and one meter high. The site contained flexed
15 burials (of an unknown number), a hopper mortar and anvil, and a hammer stone, and projectile
16 points. The site record update indicates the site was “completely destroyed” but there is no
17 indication how this conclusion was reached or if excavation was used to confirm that no portion of
18 the site remains below grade with integrity. If this resource retains integrity and contains useful
19 information it is likely to qualify as an historical resource and historic property.

20 **18B.1.1.4.3 CA-Yol-55**

21 This prehistoric archaeological resource consists of a midden site recorded in 1934. The site record
22 describes a deposit 46 meters in diameter, with “bones” and “artifacts” noted on the surface, in
23 association with agricultural plowing and land leveling. No other indications as to the site’s integrity,
24 cultural constituents, or subsurface deposits are available on the site record. Sites recorded in the
25 early and middle years of Delta research were typically noted because they were rich and attracted
26 the attention of the research community. For these reasons it is possible portions of the site remain
27 undisturbed with the integrity to convey data useful in research, as defined in 14 California Code of
28 Regulations Section 4852(c). For these reasons DWR concludes that this resource is a historical
29 resource under CEQA. For the same reasons, it is recommended eligible for the NRHP.

30 **18B.1.1.4.4 CA-Yol-165H**

31 This resource is recorded as an archaeological site consisting of the remains of pilings protected by
32 river cobbles on the north and west bank of the Sacramento River, originally recorded in 1988. No
33 artifacts or historic debris are noted on the site record; the resource consists entirely of the pilings
34 and cobbles. A site record update indicates that under a memorandum dated March 23, 2006 “with
35 the California SHPO,” the site is not considered a contributing element of the Sacramento River levee
36 system because it lacks integrity of design, setting, materials, workmanship, and feeling (Bell 2006).

1 **18B.1.2 Built Environment Resource Descriptions**

2 **18B.1.2.1 National Register of Historic Places, Listed Properties**

3 **18B.1.2.1.1 PTO_010_002**

4 Rosebud Rancho, 10255 River Road, Clarksburg, Sacramento County APN 341320010021. This
 5 property was listed in the NRHP in 1979 under criterion C, for its Italianate architecture and for the
 6 work of a master architect, Nathaniel Goodell, constructed c1877. According to an article in the
 7 Sacramento Bee, dated December 1, 1989, the property suffered from a fire in November 1989
 8 which destroyed the entire house except for the façade, as well as the water tower, smokehouse, and
 9 garages. The rear of the house was reconstructed and the front façade was restored to match its
 10 previous appearance. Due to this damage and the loss of contributing buildings, this property no
 11 longer meets the criteria for listing in the NRHP; it is recommended that the property be removed
 12 from the NRHP and CRHR.

13 **18B.1.2.1.2 PTO_039_001**

14 Runyon House, 12865 River Road, Courtland, Sacramento County APN 1460060059. This 1868
 15 Greek revival house, one of the oldest remaining ranch residences in the Delta, was listed in the
 16 NRHP/CRHR in 2000 under criteria C/1 for its distinctive regional architecture. It was field checked
 17 during the 2012 survey and appears to be unaltered since its listing.

18 **18B.1.2.1.3 SCO_016_025**

19 Imperial Theater, 14160 Market Street, Walnut Grove, Sacramento County APN 146-0340-003. This
 20 pseudo Neo-classical commercial building, once a theater, appears to have been altered since it was
 21 placed on the NRHP in 1982. In c2010 it was remodeled to house an iron-works gallery/home and
 22 garden store, with new large window and door openings apparently opening into what was the
 23 theater interior. Due to significant alterations and loss of character-defining features, this property
 24 no longer meets the criteria for listing in the NRHP; it is recommended that the property be removed
 25 from the NRHP and CRHR.

26 **18B.1.2.1.4 SCO_Locke Historic District**

27 Locke Historic District is listed on the National Register of Historic Places, covers about fourteen
 28 acres and includes fifty-three buildings, mostly constructed in 1916 by Chungshan Chinese
 29 immigrants who settled there after a 1915 fire that destroyed their homes in Walnut Grove.
 30 Virtually no new construction has taken place in Locke since the 1920s. Its period of significance
 31 was from 1915-1940. This property meets NRHP criteria under criteria A and C because it is “the
 32 largest and most complete example of a rural Chinese-American community” in the United States.
 33 Although individual buildings associated with rural-Chinese-American life survive, no comparable
 34 district exists that so clearly illustrates this little-known phase in the history of the Chinese in
 35 America.

36 **18B.1.2.1.5 SCO_Walnut Grove Japanese/American Historic District**

37 Walnut Grove Japanese/American Historic District encompasses five acres and contains twenty-
 38 seven buildings that make up the Japanese-American commercial section of Walnut Grove. The

1 buildings, mostly two-stories high, have over-hanging balconies, recessed entryways and storefront
 2 windows. Residences are on the second floor. Community gardens are interspersed on empty lots
 3 throughout the district. The district and its buildings have changed little in appearance since its
 4 period of significance (1915-1942), has a strong sense of time and place, and maintains a
 5 remarkable degree of integrity.

6 **18B.1.2.1.6 SCO_Walnut Grove Chinese/American Historic District**

7 Walnut Grove Chinese/American Historic District covers about four acres and was built between
 8 1937 and 1940 (the period of significance). The twenty-two buildings were primarily built in Art
 9 Moderne/Modernistic style of stucco with ceramic tiled fronts and false-front facades and are
 10 embellished with features typically Chinese in style. This property meets NRHP criteria under
 11 criteria A and C because the district served as the commercial and social center from 1937-1940 for
 12 both the Asian residents and for Chinese American laborers working on nearby farms and ranches
 13 who would come into town on their days off or live in boarding houses during the off-season. It was
 14 the last established Chinatown in the Delta, and the architectural style is unique both to other
 15 Chinese American communities in the region and within the town of Walnut Grove. A high degree of
 16 integrity is present in this district, one that embodies a strong sense of time and place in those final
 17 years before the Chinese were dispersed into the mainstream of economic life in California.

18 **18B.1.2.1.7 SCO_Walnut Grove Commercial/Residential Historic District**

19 Walnut Grove Commercial/Residential Historic District encompasses about five acres and is
 20 associated with Alex Brown, an entrepreneur who constructed and used most of the eighteen
 21 buildings. It includes a town hall, bank, butcher shop and house in the Neoclassical style, a general
 22 merchandise store and a residence in the Craftsman style. The remaining buildings are small
 23 cottages of Craftsman, Neoclassical, and Colonial Revival styles built by Brown between 1918 and
 24 1923 and was the first subdivision in town that served as rental cottages for the Anglo workers in
 25 this predominantly Asian community. This district is eligible for the NRHP under criteria A, B and C.
 26 The district is significant in the area of commerce because it served as a center of the non-Asian
 27 commercial district between 1879 and 1923 (the period of significance). The district is associated
 28 with Alexander Brown II, who arrived in the community in 1879 and remained the most significant
 29 individual in the development of the town until his death in 1923. The district houses the oldest
 30 buildings in town and, as such, reflects the early architectural heritage of Walnut Grove.

31 **18B.1.2.2 The Properties Summarized Below had previously Been** 32 **Found Eligible for the NRHP and/or CRHR and have been Field** 33 **Checked and Determined to have Retained Integrity**

34 **18B.1.2.2.1 PTO_002_004**

35 Joseph House, 53340 South River Road, Clarksburg, Yolo County APN 044-130-013 & 014. This Delta
 36 vernacular residence, constructed c1875, was previously evaluated in 1986 as part of the 15-
 37 property Lisbon District. The District's California historical resources status code is 7N, needs to be
 38 re-evaluated. The 2012 survey re-evaluated the property and found that it appears eligible on a local
 39 level for the NRHP/CRHR under criteria A/1 and C/3 for its association with the early Portuguese
 40 settlement and distinct regional architecture.

18B.1.2.2.2 PTO_002_007

53750 South River Road, Clarksburg, Yolo County APN 044-130-024. This Delta vernacular residence, constructed c1875, was previously evaluated in 1986 as part of the 15-property “Lisbon District” historic district, discussed previously in this section. The 2012 survey found that the property appears eligible on a local level for the NRHP/CRHR under criteria A/1 and C/3 for its association with the early Portuguese settlement and distinct regional architecture.

18B.1.2.2.3 PTO_007_004

37232 South River Road, Clarksburg, Yolo County APN 043-260-005. This Delta vernacular residence, constructed in 1925, was previously evaluated in 1986 as part of the 15-property “Lisbon District” historic district, discussed previously in this section. The 2012 survey found that the property appears eligible on a local level for the NRHP/CRHR under criteria C/3 for its distinct regional architecture.

18B.1.2.2.4 PTO_007_020

George Cornish House, 53555 County Road 141, Clarksburg, Yolo County APN 043-170-012. This property was initially evaluated in 1986 and does not appear to have been altered at the time of the 2012 survey. This property, initially built in 1880 appears eligible at the local level of significance under NRHP/CRHR criteria A/1 for its association with the early reclamation and agricultural development of Clarksburg. It also appears eligible at the local level of significance under NRHP/CRHR criteria B/2 for its association with George Cornish, an early Delta pioneer and developer in the Delta. In addition, this 1880-constructed Italianate-style residence with its 1915-added Greek revival style portico addition embodies the distinctive characteristics of both these styles and appears to be eligible at the local level of significance under NRHP/CRHR criteria C/3. The initial construction, as well as the addition, both fall within the 1880-1915 period of significance as an early twentieth century farm estate.

18B.1.2.2.5 PTO_013_066

Amos Pylman House, 39460 & 39500 South River Road, Clarksburg, Yolo County APN 043-090-024. This property was initially evaluated in 1986 and does not appear to have been altered at the time of the 2012 survey. This 1915-constructed residence appears to be eligible at the local level of significance for the NRHP/CRHR under criteria B/2 for its association with Amos Pylman, an early pioneer in establishing large-scale agriculture in the Delta. While the family owned many properties, Amos Pylman resided here from its construction date until his death in 1946. It also appears eligible at the local level of significance for the NRHP/CRHR under criteria C/3 as an early and rare example of Mediterranean-style architecture for this region.

18B.1.2.2.6 PTO_013_067

Edward Bunnell House, 39038 South River Road, Clarksburg, Yolo County APN 043-090-011. This property was initially evaluated in 1986 and does not appear to have been altered at the time of the 2012 survey. This property is associated with the reclamation and early agricultural development of Clarksburg and thus appears eligible at the local level of significance under NRHP/CRHR criteria A/1. It also appears eligible for its association with the Bunnell and Pylman families. Bunnell was instrumental in the development and reclamation of Merritt Island, therefore this property appears eligible at the local level of significance for the NRHP/CRHR under NRHP/CRHR criteria B/2. This

1 1910-constructed Classical revival/Queen Anne residence has retained the distinctive features of
2 both these styles and also appears eligible at the local level of significance under NRHP/CRHR
3 criteria C/3.

4 **18B.1.2.2.7 PTO_173_001**

5 1025 South Bacon Island Road, Stockton, San Joaquin County APN 3912905011. This rural property
6 known as Camp 10 ½, built in 1920, containing a duplex residence and the foreman's house,
7 bunkhouse, cookhouse, garage and a modern building, was included in a 1993 evaluation of Bacon
8 Island as a whole; the island was determined to appear eligible under NRHP/CRHR criteria A/1, B/2,
9 C/3, and D, 4. The majority of the island was not accessible from the public right-of-way during this
10 2012 survey. This property, one of three accessible properties on Bacon Island, was included as a
11 contributor in the prior evaluation. While in a continued state of neglect, these buildings and
12 structures appear to retain sufficient integrity for this property to still be considered a contributor
13 to the larger rural historic landscape.

14 **18B.1.2.2.8 PTO_173_002**

15 1375 South Bacon Island Road, Stockton, San Joaquin County APN 3912905013. This rural property
16 known as the Camp 11 foreman's house, built 1915, contains a single-family residence and was
17 included in a 1993 evaluation of Bacon Island as a whole; the island was determined to appear
18 eligible under NRHP/CRHR criteria A/1, B/2, C/3, and D, 4. The majority of the island was not
19 accessible from the public right-of-way during this 2012 survey. This property, one of three
20 accessible properties on Bacon Island, was included as a contributor in the prior evaluation.
21 Although in an ongoing state of deterioration, the residence appears to retain sufficient integrity for
22 this property to still be considered a contributor to the larger rural historic landscape.

23 **18B.1.2.2.9 PTO_173_003**

24 555 South Bacon Island Road, Stockton, San Joaquin County APN 3912905055. This rural property
25 known as Camp 10, built circa 1920, containing a single-family residence and packing shed was
26 included in a 1993 evaluation of Bacon Island as a whole; the island was determined to appear
27 eligible under NRHP/CRHR criteria A/1, B/2, C/3, and D/ 4. The majority of the island was not
28 accessible from the public right-of-way during this 2012 survey. This property, one of three
29 accessible properties on Bacon Island, was included as a contributor in the prior evaluation.
30 Although continuing to deteriorate, the residence and packing shed appear to retain sufficient
31 integrity for this property to still be considered a contributor to the larger rural historic landscape.

32 **18B.1.2.2.10 PTO_029_001**

33 Old River Bridge, State Highway 4, Stockton, San Joaquin County. This 1915-constructed movable
34 swing bridge was determined eligible by Caltrans in 2003 under NRHP/CRHR criteria C/3 as an
35 example of a Pratt through truss bridge design. It does not appear to have lost integrity since this
36 earlier evaluation. Additionally, this bridge appears to be eligible at the local level of significance
37 under NRHP/CRHR criteria A/1 for its association with the development of the navigable waterway
38 and road transportation systems in the Delta. It appears to be the twin of the Bacon Island Road
39 South Bridge (PTO_159_002).

18B.1.2.2.11 EAST_007_007

Noah Adams Lumber Co./Merritt School, 52980 Clarksburg Ave., Clarksburg, Yolo County APN 043-240-011-000. This c1920 property, originally surveyed and found eligible in 1986 for local listing or designation, does not appear to have been subsequently altered. Although no specific criteria were applied, it was found significant for “its historic association with the [Clarksburg] economy in the early part of the century and for the old schoolhouse which is located on the rear of the main building.” The 2012 survey applied the NRHP/CRHR criteria and determined the industrial buildings appear eligible at the local level of significance under NRHP/CRHR criteria A/1. The school building, however, lacks integrity due to its move and incorporation into the industrial buildings.

18B.1.2.2.12 EAST_007_012

Lawlor and Cosby General Merchandise/Husick Hardware, 36510 South River Road, Clarksburg, Yolo County APN 043-285-001-000. This c1920 commercial building, originally surveyed and found eligible in 1986 for local listing or designation, does not appear to have been subsequently altered. Although no specific criteria were applied, it was found significant for “its role as the leading and only general store in Clarksburg” and is “architecturally important for its Mission revival influence (rare in Yolo County).” The 2012 survey applied the NRHP/CRHR criteria and determined the property appears eligible at the local level of significance under NRHP/CRHR criteria A/1 and C/3.

18B.1.2.2.13 EAST_007_013

Husick Hardware/McCusey, 36530 South River Road, Clarksburg, Yolo County APN 043-285-012-000. This 1912 commercial building, originally surveyed and found eligible in 1986 for local listing or designation, does not appear to have been subsequently altered. Although no specific criteria were applied, it was found significant for “its connection with the early commercial sector of the Clarksburg economy and particularly for its association with an early settler who made available the tools and hardware that assisted the agricultural development of the Clarksburg area.” The 2012 survey applied the NRHP/CRHR criteria and determined the property appears eligible under criteria A/1. However, despite the importance of the hardware store in early Clarksburg, the original owner, Frank Husick did not gain importance within this context as an individual. Therefore it does not appear to be eligible at the local level of significance under NRHP/CRHR criteria B/2.

18B.1.2.2.14 EAST_007_015

Hugaboom House, 36560 South River Road, Clarksburg, Yolo County APN 043-291-009-000. This storybook-style house, built in 1873, is one of the earliest homes built along River Road to support agricultural businesses and farming families and appears eligible at a local level of significance under NRHP/CRHR criteria A/1. It is also associated with Cornelius Hugaboom (aka Hogeboom), one of the earliest settlers in the region and appears eligible at a local level of significance under criteria B/2. (HP2: Single Family property.)

18B.1.2.2.15 EAST_007_018

Amalgomated Sugar Co., 35265 Willow Avenue, Clarksburg, Yolo County APN 043-240-030-000. Portions of this industrial complex, originally surveyed and found eligible in 1986 for local listing or designation, appear to have been subsequently altered. However, as a whole, the complex still retains sufficient integrity to convey its period of significance of 1934–1935. Although no specific criteria were applied in the 1986 evaluation, it was found significant for its “stately” vernacular

1 industrial architecture, as well as the tremendous impact on the local economy [by providing] a local
2 processing plant” and stimulating further development of the town of Clarksburg. The 2012 survey
3 applied the NRHP/CRHR criteria and determined the property appears eligible at the local level of
4 significance under criteria A/1 and C/3.

5 **18B.1.2.2.16 EAST_179_002**

6 Middle River Road Bridge, Stockton, San Joaquin County APN 131-130-06. This bridge, originally
7 constructed in 1915 is a “category 2” bridge in the Caltrans Historic Bridge Inventory, meaning it has
8 been found eligible for the NRHP. This bridge has been field checked and appears unaltered since its
9 last recordation in 2003. However the center portion is currently covered for painting, and therefore
10 possible alterations cannot be confirmed.

11 **18B.1.2.2.17 WEST_014_001**

12 Holland Land Co. Headquarters, 36533 Netherlands Avenue, Clarksburg, Yolo County APN 043-160-
13 035. This property was initially evaluated in 1986. At the time of the 2012 survey the main house, a
14 Colonial revival built in 1928, does not appear to have been altered, however ancillary buildings
15 mentioned in the original as being in the process of removal are no longer extant. This property
16 appears eligible at the local level of significance under NRHP/CRHR criteria A/1 for its association
17 with the early reclamation and agricultural development of Clarksburg. It also appears eligible at the
18 local level of significance under NRHP/CRHR criteria C/3 for its embodiment of the distinctive
19 features of Colonial revival style of architecture.

20 **18B.1.2.2.18 WEST_175_001**

21 Preston House, 12450 Byron Highway, Byron, Contra Costa County APN 011-120-021. This circa
22 1870 Queen Anne style house does not appear to have been altered since its earlier evaluation in
23 1975. It has retained sufficient integrity to appear to be locally eligible under NRHP/CRHR B/2 for
24 its association with Colburn J. Preston, one of the earliest settlers of Byron, and under NRHP/CRHR
25 C/3 for its embodies the characteristics of Queen Anne style architecture.

26 **18B.1.2.2.19 WEST_177_001**

27 East Contra Costa Irrigation District electrical substation, Bixler Road, Byron, Contra Costa County
28 APN 011-270-005. While the entire East Contra Costa Irrigation District Main Canal Complex was
29 originally evaluated and found eligible in 2007, only the eastern-most pumping station was
30 sufficiently visible from public right-of-way during this 2012 survey, therefore, this update only
31 addresses this building. This 1914-constructed minimal neo-Classical revival building does not
32 appear to have been altered since the 2007 evaluation. It has retained sufficient integrity to appear
33 to be locally eligible under NRHP/CRHR A/1 for its association with water and power management
34 in the Delta, and under NRHP/CRHR C/3 for its neo-Classical revival architecture.

35 **18B.1.2.2.20 SCO_009_006**

36 Durbin/Towne House, 13910 State Highway 160, Walnut Grove, Sacramento County APN 142-0080-
37 108. This colonial/Georgian revival home, built in 1930, was evaluated in 2005 by Carol Roland. It
38 has a status code of 2S2, an individual property determined eligible for the NRHP by a consensus
39 through the Section 106 process, and was found eligible under criteria B and C; it is listed in the

1 CRHR under criteria 2 and 3. During the 2012 survey it was field checked and found that it appears
2 unaltered since the previous evaluation.

3 **18B.1.2.2.21 SCO_015_027**

4 Jean Harvie School/Walnut Grove Community Center, 14273 River Road, Walnut Grove, Sacramento
5 County APN 146-0180-058 & 060. A 1988 evaluation found this building to be “a well preserved
6 example of Neo-Classical architecture” and the work of master architect William H. Weeks, but did
7 not apply NRHP/CRHR criteria. The 2012 survey found that the building appears to have been
8 unaltered since the earlier evaluation. Using NRHP/CRHR criteria, the 2012 survey finds the
9 building to appear eligible on a local level of significance under criteria C/3.

10 **18B.1.2.2.22 SCO_030_001**

11 Three-Mile Slough Bridge, Sacramento County, is a movable steel through truss structure with a
12 vertical lift span constructed in 1949. It was determined to be eligible for the NRHP/CRHR in 2003,
13 locally significant under criteria A/1, for its association with early Delta transportation and
14 economic development, and C/3 for its type, period and construction style.

15 **18B.1.2.2.23 Bacon Island**

16 Bacon Island in its entirety was evaluated in 1993 as a potential rural historic district. Access was
17 limited, however those resources that were observed, including built resources identified as
18 PTO_173_001, 002, 003 described above, an irrigation ditch and a portion of the East Levee appear
19 to be unchanged since the 1993 evaluation and determination of eligibility under NRHP criteria A-D.
20 Greater access is needed to establish this. For the purposes of this document, it is assumed that the
21 property indeed has retained sufficient integrity to still appear to be eligible under NRHP/CRHR
22 criteria A-D.

23 **The Following Properties Appear to be Eligible for the NRHP/CRHR:**

24 These properties were surveyed and evaluated for the first time during the 2012 study, following
25 the guidance set forth in *National Register Bulletin 15, How to Apply the National Register Criteria for*
26 *Evaluation* (2002), and in the California State Office of Historic Preservation’s *Instructions for*
27 *Recording Historical Resources* (1995).

28 **18B.1.2.2.24 Central Valley Project**

29 The Central Valley Project consists of a system of dams, power plants, canals, pumping plants, and
30 associated structures, that are used in conjunction with natural water bodies such as rivers, to
31 convey water for beneficial uses and to reduce flood risk. The constituent property types within this
32 system of features have both significance and integrity under the first three NRHP/CRHR criteria for
33 their association with important events, designers, and feats of engineering (Reclamation 2007).
34 While individual property types may not be significant under each criteria, the system as a whole
35 has significance for association with events such as agriculture and reclamation (A/1), significant
36 people that designed the system (B/2), distinctive feats of engineering (C/3). The constituent
37 property types and relevant aspects of significance and integrity are described in detail in the NRHP
38 nomination forms (Reclamation 2007).

1 **18B.1.2.2.25 California State Water Project, Delta Field Division, Affected**
 2 **Properties: MPTO_002_001**

3 The project may directly or indirectly affect three elements of the California State Water Project,
 4 Delta Field Division. These elements are Clifton Court Forebay (directly affected), the Harvey O.
 5 Banks Pumping Plant (indirectly affected by association with Clifton Court Forebay), and the John F.
 6 Skinner Delta Fish Protective Facility (indirectly affected by association with Clifton Court Forebay).
 7 The Clifton Court Forebay consists of a large water storage and conveyance facility that retains
 8 Sacramento-San Joaquin Delta water before distributing it via the California and South Bay
 9 aqueducts. Associated facilities consist of the John F. Skinner Delta Fish Protective Facility and the
 10 Harvey O. Banks Delta Pumping Plant. The forebay itself consists of 30-foot high earthen levees that
 11 form a reservoir. The Delta Fish Protective Facility consists of screens and mechanisms to
 12 discourage large fish from entering the Banks Pumping Plant as well as structures to capture fish so
 13 that stray fish are recovered so they may be returned to upstream waterways. The Harvey O. Banks
 14 Pumping Plant occurs downstream of the Fish Protective Facility; the plant consists of a 3.3 mile
 15 intake channel, 11 pumps, and an electrical switchyard. Collectively these facilities appear to be
 16 eligible under the NRHP under criteria A and C due to the important role they played as part of an
 17 expansive, engineered water-conveyance system, which was designed to store water in Northern
 18 California and distribute it to urban and agricultural areas elsewhere in the state. For these same
 19 reasons this set of properties are likely eligible under CRHR criteria 1 and 3.

20 **18B.1.2.2.26 PTO_001_003**

21 Scribner's Bend Vineyards, 9051 River Road, Sacramento County APN 119-0230-014. This 1920-
 22 constructed residence appears to meet the criteria for listing in the NRHP/CRHR at the local level of
 23 significance under criteria C/3 for its distinct regional architecture. This craftsman bungalow
 24 embodies the distinctive characteristics of its type, period, and methods of construction.

25 **18B.1.2.2.27 PTO_002_017**

26 8870 River Road, Sacramento County APN 119-0230-098. This c1880 Queen Anne residence
 27 appears to be eligible for the NRHP/CRHR under criterion A/1 and B/2 at a local level of significance
 28 for its association with reclamation and Delta agriculture and with Ralph Moore who was one of the
 29 organizers of Reclamation District 744 and served as trustee for many years, eventually becoming
 30 its director.

31 **18B.1.2.2.28 PTO_005_002**

32 9521 River Road, Clarksburg, Yolo County APN 341190230043. This c1903 vernacular residence
 33 with Queen Anne elements appears to meet the criteria for listing in the NRHP/CRHR under criteria
 34 A/1, B/2 at the local level of significance. This residence is part of a property that was significantly
 35 expanded and planted during the early years of large-scale agricultural development in the Delta.
 36 Additionally it is associated with Catherine Mosher who, as a young widow and mother of seven,
 37 operated and expanded the ranch and established a successful seed business.

38 **18B.1.2.2.29 PTO_007_012**

39 37500 South River Road, Clarksburg, Yolo County APN 043-260-019. This 1919-constructed Delta
 40 vernacular style house with Folk Victorian elements appears to be eligible at the local level of
 41 significance under NRHP/CRHR criteria C/3 for its embodiment of the distinctive features of this

1 style, period, and method of construction, with its second story, the primary living space, extending
2 above the height of the river as a precaution against flooding.

3 **18B.1.2.2.30 PTO_009_001**

4 38320 South River Road, Clarksburg, Yolo County APN 043-090-003. This circa 1900 American
5 Foursquare house appears to embody the distinctive characteristics of its type, period, and method
6 of construction despite the alterations to the porch, including the replacement Tuscan order
7 columns. Therefore it appears to be eligible at the local level of significance under NRHP/CRHR
8 criteria C/3.

9 **18B.1.2.2.31 PTO_013_006**

10 10725 2nd Street, Hood, Sacramento County 341320092001. This modest Delta-style residence,
11 constructed in 1915 appears to be eligible for the NRHP/CRHR at the local level of significance
12 under criteria A1 and C/3 for its association with the early development of the community of Hood
13 and for its distinctive regional architectural style. A Delta-style house is generally two-stories with
14 the primary living space on the second floor, designed to accommodate flooding.

15 **18B.1.2.2.32 PTO_013_015**

16 10776 2nd Street, Hood, Sacramento County 341320093007. This 1910-constructed Delta
17 vernacular style residence appears to be eligible for the NRHP/CRHR at the local level of significance
18 under criteria A/1 and C/3 for its association with the early development of the community of Hood
19 and for its distinctive regional architectural style. A Delta-style house is generally two-stories with
20 the primary living space on the second floor, designed to accommodate flooding.

21 **18B.1.2.2.33 PTO_013_064**

22 10911 River Road, Courtland, Sacramento County 341320120012 .HP2. This large c1900 residence
23 appears to be eligible for the NRHP/CRHR at the local level of significance under criteria A/1 and
24 C/3 for its association with the early development of large-scale agriculture in the Delta and for its
25 distinctive Queen Anne and Classical revival architecture.

26 **18B.1.2.2.34 PTO_016_001**

27 George B. Greene House, 11275 River Road, Courtland, Sacramento County APN 341320210044.
28 This large agricultural property includes a large Greek revival residence constructed in 1876,
29 orchards, multiple sheds, and a large packing complex. It appears to be eligible for the NRHP/CRHR
30 at the local level of significance under criteria A/1, B/2, and C/3 for its association with the early
31 development of Delta agriculture, the Greene family, and for regional Greek revival architecture. The
32 Greene family, whose descendants still live in the house, was one of the most prolific agriculture
33 producers in the region and the fruit production is still in operation as a family business. The first
34 Greene, Josiah, reportedly built the first levee in California and grazed dairy cattle on the reclaimed
35 land, making it the first commercial dairy in California in 1866.

36 **18B.1.2.2.35 PTO_045_001**

37 Vorden Cannery, River Road, Courtland, Sacramento County APN 341460060057. This c1900
38 industrial building and associated agricultural property appears to be eligible on a local level of

1 significance for the NRHP/CRHR under criteria A/1 for its association with the development of the
2 asparagus canning industry in the Delta, important in the early 20th century. The Vorden Cannery is
3 likely the only remaining structure in the Delta representative of the historic asparagus industry in
4 the region.

5 **18B.1.2.2.36 PTO_045_010**

6 13200 & 13208 State Highway 160, Walnut Grove, Sacramento County APN 142-0060-033. This
7 c1880 constructed Queen Anne with Folk Victorian elements home appears to meet the criteria for
8 listing in the NRHP/CRHR under criteria C/3 for its architecture on a local level of significance. The
9 other dwellings on the property do not appear eligible for the NRHP/CRHR. The rest of the 40-acre
10 property contains orchards, but has insufficient integrity to be considered a rural historic landscape.
11 (HP3 Single Family Property.)

12 **18B.1.2.2.37 PTO_055_007**

13 Beaver Union Elementary School, 510 State Highway 220, Walnut Grove, Sacramento County APN
14 142-0100-028. This former school turned single-family residence, now empty, was constructed in
15 1920 in the Spanish colonial revival style of architecture. It appears to be eligible for the
16 NRHP/CRHR at the local level of significance under criteria C/3 for its embodiment of this
17 distinctive style of architecture in this region. It likely also meets eligibility under A/1 for its
18 association with community development in the area of Walnut Grove; more research is required to
19 establish this association.

20 **18B.1.2.2.38 PTO_056_001**

21 Grand Island Ranch, 14310 State Highway 160, Walnut Grove, Sacramento County APN 142-0100-
22 080. This residence, built in 1900, appears eligible for listing in the NRHP/CRHR at the local level of
23 significance under criteria C/3 as an example of transitional foursquare architecture with craftsman
24 elements.

25 **18B.1.2.2.39 PTO_159_002**

26 Bacon Island Road South Bridge, San Joaquin County. This 1905-constructed movable swing bridge
27 is a virtual twin with the Old River Bridge (PTO_029_001) which was found eligible for the NRHP by
28 Caltans in 2003. The Bacon Island Road South Bridge, not previously evaluated, appears to be
29 eligible at the local level of significance under NRHP/CRHR criteria C/3 as an example of a Pratt
30 through truss bridge design. Additionally, this bridge appears to be eligible under NRHP/CRHR
31 criteria A/1 for its association with the development of the navigable waterway and road
32 transportation systems in the Delta.

33 **18B.1.2.2.40 PTO_180_003**

34 Bacon Island Railroad Bridge, Woodward Island, San Joaquin County. This 1929-built Abt-type
35 bascule bridge appears to be eligible at the local level of significance for the NRHP/CRHR under
36 criteria A/1 for its association with the development of the navigable waterway and rail produce
37 transportation systems in the Delta. It also appears to be eligible at the local level of significance for
38 the NRHP/CRHR under criteria C/3 for its distinct bridge design, one of only six Abt bascule design
39 bridges in the nation and one of three in California. It is the twin of the Woodward Island Railroad
40 Bridge (SCO_059_001).

18B.1.2.2.41 EAST_002_004

34600 South River Road, Clarksburg, Yolo County APN 044-120-002-000. (HP2: Single Family property, HP4: Ancillary building.) This c1920 folk Victorian residence with craftsman elements has retained the distinctive characteristics of its type, period, and method of construction, and, therefore, appears eligible at the local level of significance under NRHP/CRHR criteria C/3 at a local level of significance.

18B.1.2.2.42 EAST_007_014

36542 South River Road, Clarksburg, Yolo County APN 043-285-011-000. This c1900 foursquare residence has retained the distinctive characteristics of its type, period, and method of construction, and, therefore appears eligible at the local level of significance under NRHP/CRHR criteria C/3 at a local level of significance.

18B.1.2.2.43 EAST_070_002

12525 West Walnut Grove Road, Thornton, San Joaquin County APN 001-040-07. This electrical power substation, constructed c1911, appears to meet the criteria for listing in the NRHP/CRHR under A/1 and C/3 at the local level of significance for its association with water management in the Delta and for Classical Revival architecture.

18B.1.2.2.44 EAST_134_002

8700 Neugebauer Road, Stockton, San Joaquin County APN 39-131-220-34. This c1900 feeder barn appears to be eligible at the local level of significance for the NRHP/CRHR under criteria C/1 as an example of an early western feeder barn. While this barn embodies the distinctive characteristics of this type, with its rectangular plan, gable doors, and low-pitched roof, it is an ornate version of this style, with a stacked gable, decorative brackets, and Dutch doors.

18B.1.2.2.45 WEST_015_001

37383 County Road 144, Yolo County APN 043-140-002-000. This c1900-constructed Delta vernacular style house appears to be eligible at the local level of significance under NRHP/CRHR criteria C/3 for its embodiment of the distinctive features of this style, period, and method of construction, with its second story, the primary living space, extending above the height of the river as a precaution against flooding.

18B.1.2.2.46 WEST_047_001

40478 & 40580 South River Road, Clarksburg, Yolo County APN 043-070-021. This large c1900-constructed Delta vernacular style house appears to be eligible at the local level of significance under NRHP/CRHR criteria C/3 for its embodiment of the distinctive features of this style, period, and method of construction, with its second story, the primary living space, extending above the height of the river as a precaution against flooding.

18B.1.2.2.47 WEST_184_002

3245 Byer Road, Byer, Contra Costa County APN 002-010-012. This 1915-built single-family home appears locally eligible at the local level of significance for the NRHP/CRHR under criterion C/3 respectively for its vernacular style of architecture with Colonial revival style elements. Additional

1 buildings and structures on the property were not visible from the public right-of-way and therefore
2 the property is not being evaluated as a rural historic landscape.

3 **18B.1.2.2.48 SCO_008_001**

4 13693 River Road, Walnut Grove, Sacramento County APN 146-0100-039. This imposing circa 1890
5 Classical revival style residence with Italianate influences embodies the distinctive characteristics of
6 its type and period appears to be eligible at the local level of significance for the NRHP/CRHR under
7 criteria C/3, despite having undergone some alterations.

8 **18B.1.2.2.49 SCO_008_004**

9 13760 State Highway 160, Walnut Grove, Sacramento County APN 142-0080-103. This circa 1905
10 two-story Queen Anne style residence with transitional Craftsman influences appears to be eligible
11 at the local level of significance for the NRHP/CRHR under criteria C/3, as it embodies
12 characteristics of both styles and appears virtually unaltered since it was constructed.

13 **18B.1.2.2.50 SCO_059_001**

14 Woodward Island Railroad Bridge, South Bacon Island Road, Contra Costa County. This 1928-built
15 Abt-type bascule bridge appears to be eligible at the local level of significance for the NRHP/CRHR
16 under criteria A/1 for its association with the development of the navigable waterway and rail
17 produce transportation systems in the Delta. It also appears to be eligible at the local level of
18 significance for the NRHP/CRHR under criteria C/3 for its distinct bridge design, one of only six Abt
19 bascule design bridges in the nation and one of three in California. It is the twin of the Bacon Island
20 Railroad Bridge. (PTO_180_003).

21 **18B.1.2.2.51 Grand Island, or Reclamation District 3**

22 This resource, in its entirety this resource appears to have retained integrity of its period of
23 significance of 1850-1900 since it has avoided flooding since the completion of its levees in 1894, in
24 great measure due to additional levee construction after 1918 by the Army Corps of Engineers. This
25 determination is based on limited access and historical research. Therefore, for the purposes of this
26 document, this property appears to be eligible under NRHP/CRHR criteria A/1 as a rural historic
27 district. More research and greater access is needed to in fact establish that it has retained adequate
28 integrity to convey its significance.

29 **18B.1.2.2.52 Netherlands District and associated Reclamation District 999**

30 This resource appear to retain integrity to their period of significance, 1900-1930, a period of
31 agricultural development so widespread as to qualify as one of the significant events that have
32 contributed to the broad patterns of California history. Specifically, development of the Netherlands
33 District occurred within the context of Progressive Era state intervention in agricultural
34 development through the founding of the farm school in Davis (1906), the creation of the
35 Reclamation Board in 1911, and the development of the State-Federal partnership in the
36 construction of levees, weirs, bypasses and other water management facilities designed to grow the
37 state's agricultural economy. This determination is based on limited access and historical research.
38 Therefore, for the purposes of this document, this property appears to be eligible under
39 NRHP/CRHR criteria A/1 as a rural historic district. More research and greater access is needed to
40 in fact establish that it has retained adequate integrity to convey its significance.

1 18B.2 Built Environment Resources, Recommended Mitigation

2 Table 18B-17. Alternative 1A Recommended Mitigation

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_001_003	Scribner's Bend Vineyards	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	Built portion of the property will not be directly impacted. Prepare historic structures report (HSR) and protective plan which may include stabilization to avoid damage to building caused by construction-related impacts. Produce HALS for property, including vista images.
PTO_002_004	Joseph House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_007	Delta-style House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_017	Moore House	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_005_002	Mosher House	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_007_004	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_012	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_020	George Cornish House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_009_001	Foursquare vernacular	I	Intake 3, seen from across the river.	HALS with vista images from property to across the river.
PTO_010_002	Rosebud Rancho	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_015	Delta-style House	D	Intake 4, permanent surface impact, transmission lines.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_013_064	Queen Anne w/ Classical Revival elements	D	Intake 4, permanent surface impact, permanent access road, transmission lines.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_013_066	Amos Pylman House/Pylman Vineyards Inc.	I	Intake 4, seen from across the river.	HALS with vista images from property to across the river.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_013_067	Edward Bunnell House	I	Intake 4, seen from across the river.	HALS with vista images from property to across the river.
PTO_016_001	George B. Greene House	D/I	Intake 5 temporary surface impact; permanent visual impact. No direct impact if property can be replaced to original condition.	Avoid temporary surface impact that may impact any historic buildings and structures. HALS and HSR prior to any construction activity. Prepare protection plan, which may include stabilization of any/all historic buildings on the property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If impact to any ancillary historic buildings cannot be avoided during temporary surface impact, stabilize and temporarily move buildings elsewhere on the property; mothball for duration. Restore landscape impacted to pre-construction condition. Permanent visual impact. HALS to include vista images toward what will be Intake 5.
PTO_055_007	Beaver Union Elementary School	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_056_001	Grand Island Ranch	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_001	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_003	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
Bacon Island		D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.	Access to all island to update prior evaluation. Conduct HALS for areas that will be directly impacted by construction.
Grand Island		D/N	Temporary transmission lines. No impact if property can be replaced to original condition.	Record landscape in area for post-construction restoration to avoid permanent impact.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-18. Alternative 1B, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/ minimization/mitigation
EAST_002_004	Folk Victorian with Craftsman elements	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact	If visible, HALS with vista images from property to across the river.
EAST_007_007	Noah Adams Lumber Co./ Merritt School	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_013	Husick Hardware/ McCusey	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_014	Foursquare	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_015	Hugaboom House	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_018	Amalgomated Sugar Co.	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_070_002	PG&E Classical Revival electrical power substation	D/N	Temporary transmission lines across the property. No impact if building is not altered. Additional transmission lines adjacent to building would be no impact.	HABS if impact to building. No mitigation necessary otherwise.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/ minimization/mitigation
EAST_134_002	Feeder Barn	D	Canal and tunnel crosses the property. Permanent transmission line.	HALS. Tunnel construction may cause vibration and settlement. HSR for barn, stabilize and monitor throughout construction. If tunnel is cut and cover, stabilize and temporarily move barn; mothball elsewhere on property. If all ranch buildings are to be removed permanently, stabilize and move barn to property with similar setting. If barn is to be demolished, HABS.
PTO_001_003	Scribner's Bend Vineyards	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	Built portion of the property will not be directly impacted. Prepare historic structures report (HSR) and protective plan which may include stabilization to avoid damage to building caused by construction-related impacts. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_002_007	Delta-style House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_017	Moore House	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_005_002	Mosher House	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_007_004	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_012	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_020	George Cornish House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_009_001	Foursquare vernacular	I	Intake 3, seen from across the river.	HALS with vista images from property to across the river.
PTO_010_002	Rosebud Rancho	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_006	Delta-style House	I	Intake 4 visible.	HALS with vista of future intake 4 location.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/ minimization/mitigation
PTO_013_015	Delta-style House	D	Intake 4 permanent surface impact, permanent access road, permanent transmission line.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_013_064	Queen Anne w/ Classical Revival elements	D	Intake 4 permanent surface impact, permanent access road, permanent transmission line.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_013_066	Amos Pylman House/Pylman Vineyards Inc.	I	Intake 4 visible from across the river.	HALS with vista images from property to across the river.
PTO_016_001	George B. Greene House	D/I	Intake 5 temporary surface impact. Intake immediately adjacent to property, significant visual impact even if area of temporary surface impact can be restored.	Avoid temporary surface impact that may impact any historic buildings and structures. HALS and HSR prior to any construction activity. Prepare protection plan, which may include stabilization of any/all historic buildings on the property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If impact to any ancillary historic buildings cannot be avoided during temporary surface impact, stabilize and temporarily move buildings elsewhere on the property; mothball for duration. Restore landscape impacted to pre-construction condition. Permanent visual impact. HALS to include vista images toward what will be Intake 5.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

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1 **Table 18B-19. Alternative 1C, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
WEST_014_001	Holland Land Company Headquarters	I	Borrow/spoil area potentially visible across levee.	HALS with vista images from property to across the levee. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
WEST_015_001	Delta-style house	D/I	Built resources parcel not directly impacted; associated agricultural parcel directly impacted by borrow/spoil area and canal.	HALS. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
WEST_047_001	Delta-style house	D	Intake 5 temporary work area, permanent transmission line, canal.	HALS. Historic built resource not directly impacted, other buildings are. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
WEST_175_001	Preston House	I	Borrow/spoil area and canal directly across the street.	HALS with vista images from property to across the river.
WEST_177_001	East Contra Costa Irrigation District Canal	D	Temporary surface impact to canal, siphon.	HAER of canal, HALS of canal and pumping stations.
EAST_002_004	Folk Victorian with Craftsman elements	D/I/N	Built portion of parcel not directly impacted, agricultural portion directly impacted by tunnel and temporary transmission lines.	HALS. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If agricultural portion is restored, and the building is not affected by vibration, no impact.
PTO_002_007	Delta-style House	D	Intake 1, temporary surface impact, temporary access road through built resource. Significant indirect impact, property adjacent to intake.	HALS and HABS. Stabilize and move house to similar setting.
PTO_002_017	Moore House	I	Intake 1, visible from across the river.	HALS with vista images from property to across the river.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_005_002	Mosher House	I	Intake 2, visible from across the river.	HALS with vista images from property to across the river.
PTO_007_004	Delta-style House	D	Intake 2, permanent surface impact, transmission line.	HALS and HABS. Stabilize and move house to similar setting.
PTO_007_012	Delta-style House	D	Intake 2, borrow/spoil area includes buildings.	HALS and HABS. Stabilize and move house to similar setting.
PTO_007_020	George Cornish House	D	Intake 2, permanent surface impact – in the middle of the intake.	HALS and HABS. Stabilize and move house to similar setting.
PTO_009_001	Foursquare vernacular	I	Intake 3, temporary road, borrow/spoil area adjacent to parcel.	HALS. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_010_002	Rosebud Rancho	I	Borrow/spoil area visible from across the river.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_006	Delta-style House	I	Intake 3 visible from across the river.	HALS with vista images from property to across the river.
PTO_013_015	Delta-style House	I	Intake 3 visible across the river.	HALS with vista images from property to across the river.
PTO_013_066	Amos Pylman House/Pylman Vineyards Inc.	D/I/N	Temporary power and batch plant on parcel, no direct impact to built resource; agricultural portion impacted. No impact if agricultural portion can be restored. Property between intakes 3 and 4, permanent visual impact.	HALS, including vista images toward intakes 3 and 4 proposed locations. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_016_001	George B. Greene House	I	Intake 4 visible from across the river.	HALS with vista images from property to across the river.
Netherlands Island		D	Permanent impact from intake 1, utility service, transmission lines, tunnel, canal, borrow/spoil areas.	Evaluate island as a historic rural landscape prior to any construction. HALS anywhere there is ground disturbance.
Grand Island		D	Tunnel crosses western-most tail of island.	No mitigation unless cut and cover tunnel and/or any surface impacts, including disturbance of levee. Then HALS disturbed portion.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-20. Alternative 2A, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_001_003	Scribner's Bend Vineyards	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	Built portion of the property will not be directly impacted. Prepare historic structures report (HSR) and protective plan which may include stabilization to avoid damage to building caused by construction-related impacts. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_002_004	Joseph House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_007	Delta-style House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_017	Moore House	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_007_004	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_012	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_020	George Cornish House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_009_001	Foursquare vernacular	I	Intake 3, seen from across the river.	HALS with vista images from property to across the river.
PTO_010_002	Rosebud Rancho	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_006	Delta-style House	I	Permanent transmission lines on property boundary. Small property = significant visual impact.	HALS with vista images of area where transmission lines will be placed. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_013_015	Delta-style House	D	Intake 4, permanent surface impact, transmission lines.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_013_064	Queen Anne w/ Classical Revival elements	D	Intake 4, permanent transmission lines.	HALS, including vista toward intake 4. Avoid built resources when routing transmission lines. Avoid placing transmission structure on property. HSR and protection plan if transmission

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
				line structure is to be placed on property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_039_001	Runyon House	D/I	Permanent transmission lines across property. Visual impact from Intakes 6 and 7.	HALS, including vista toward intakes 6 and 7. Avoid built resources when routing transmission lines. Avoid placing transmission structure on property. HSR and protection plan if transmission line structure is to be placed on property.
PTO_045_010	Queen Anne with Folk Victorian elements	I	Intake 7 seen from across the river.	HALS with vista images from property to across the river.
PTO_055_007	Beaver Union Elementary School	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_056_001	Grand Island Ranch	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_001	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_002	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_003	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
Bacon Island		D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.	Access to all island to update prior evaluation. Conduct HALS for areas that will be directly impacted by construction.
Grand Island		D/N	Temporary transmission lines. No impact if property can be replaced to original condition.	Record landscape in area for post-construction restoration to avoid permanent impact.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-21. Alternative 2B, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
EAST_002_004	Folk Victorian with Craftsman elements	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact	If visible, HALS with vista images from property to across the river.
EAST_007_007	Noah Adams Lumber Co./ Merritt School	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_012	Lawlor and Cosby General Merchandise/ Husick Hardware	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_014	Foursquare	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_015	Hugaboom House	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_018	Amalgomated Sugar Co.	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_070_002	PG&E Classical Revival electrical power substation	D/N	Temporary transmission lines across the property. No impact if building is not altered. Additional transmission lines adjacent to building would be no impact.	HABS if impact to building. No mitigation necessary otherwise.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
EAST_134_002	Feeder Barn	D	Canal crosses the property.	HALS. Tunnel construction may cause vibration and settlement. HSR for barn, stabilize and monitor throughout construction. If tunnel is cut and cover, stabilize and temporarily move barn; mothball elsewhere on property. If all ranch buildings are to be removed permanently, stabilize and move barn to property with similar setting. If barn is to be demolished, HABS.
PTO_001_003	Scribner's Bend Vineyards	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	Built portion of the property will not be directly impacted. Prepare historic structures report (HSR) and protective plan which may include stabilization to avoid damage to building caused by construction-related impacts. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_002_004	Joseph House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_017	Moore House	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_005_002	Mosher House	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_007_004	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_012	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_020	George Cornish House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_009_001	Foursquare vernacular	I	Intake 3, seen from across the river.	HALS with vista images from property to across the river.
PTO_010_002	Rosebud Rancho	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_013_064	Queen Anne w/ Classical Revival elements	I/D	No impact to built resources; associated agricultural parcel will be directly impacted by the canal and other permanent surface impact.	HALS of entire parcel. HSR of building for potential stabilization. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_016_001	George B. Greene House	D/N	No impact to built resources; agricultural portion of the parcel subject to borrow/spoil area. If agricultural property can be restored, potentially no impact.	HALS prior to any construction activity. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. Restore landscape impacted to pre-construction condition.
PTO_045_001	Vorden Cannery	D	Intake 7 permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.	HABS, HALS, and, if the interior has remnants of past use as a cannery, HAER. Deconstruct and salvage any materials that can be used to restore other like historic industrial buildings.
PTO_045_010	Queen Anne with Folk Victorian elements	I	Intake 7 visible from across the river.	HALS with vista images from property to across the river.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-22. Alternative 2C, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
WEST_014_001	Holland Land Company Headquarters	I	Borrow/spoil area potentially visible across levee.	HALS with vista images from property to across the levee. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
WEST_015_001	Delta-style house	D/I	Built resources parcel not directly impacted; associated agricultural parcel directly impacted by borrow/spoil area and canal.	HALS. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
WEST_047_001	Delta-style house	D	Intake 5 temporary work area, permanent transmission line, canal.	HALS. Historic built resource not directly impacted, other buildings are. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
WEST_175_001	Preston House	I	Borrow/spoil area and canal directly across the street.	HALS with vista images from property to across the river.
WEST_177_001	East Contra Costa Irrigation District Canal	D	Temporary surface impact to canal, siphon.	HAER of canal, HALS of canal and pumping stations.
PTO_001_003	Scribner's Bend Vineyards	I	Intake 1, visible from across the river.	HALS with vista images from property to across the river.
PTO_002_004	Joseph House	D	Intake 1, permanent surface impact, permanent access road.	HALS and HABS. Stabilize and move house to similar setting.
PTO_002_007	Delta-style House	D	Intake 1, temporary surface impact, temporary access road through built resource. Significant indirect impact, property adjacent to intake.	HALS and HABS. Stabilize and move house to similar setting.
PTO_002_017	Moore House	I	Intake 1, visible from across the river.	HALS with vista images from property to across the river.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_005_002	Mosher House	I	Intake 2, visible from across the river.	HALS with vista images from property to across the river.
PTO_007_004	Delta-style House	D	Intake 2, permanent surface impact, transmission line.	HALS and HABS. Stabilize and move house to similar setting.
PTO_007_012	Delta-style House	D	Intake 2, borrow/spoil area includes buildings.	HALS and HABS. Stabilize and move house to similar setting.
PTO_007_020	George Cornish House	D	Intake 2, permanent surface impact – in the middle of the intake.	HALS and HABS. Stabilize and move house to similar setting.
PTO_009_001	Foursquare vernacular	I	Intake 3, temporary road, borrow/spoil area adjacent to parcel.	HALS. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_010_002	Rosebud Rancho	I	Borrow/spoil area visible from across the river.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_006	Delta-style House	I	Intake 3 visible from across the river.	HALS with vista images from property to across the river.
PTO_013_015	Delta-style House	I	Intake 3 visible across the river.	HALS with vista images from property to across the river.
PTO_013_067	Edward Bunnell House	D	Temporary surface impact and temporary road directly impact built resource.	HALS and HABS. Stabilize and move house to similar setting.
PTO_016_001	George B. Greene House	I	Intake 4 visible from across the river.	HALS with vista images from property to across the river.
Netherlands Island		D	Permanent impact from intake 1, utility service, transmission lines, tunnel, canal, borrow/spoil areas.	Evaluate island as a historic rural landscape prior to any construction. HALS anywhere there is ground disturbance.
Grand Island		D	Tunnel crosses western-most tail of island.	No mitigation unless cut and cover tunnel and/or any surface impacts, including disturbance of levee. Then HALS disturbed portion.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-23. Alternative 3, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_001_003	Scribner's Bend Vineyards	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	Built portion of the property will not be directly impacted. Prepare historic structures report (HSR) and protective plan which may include stabilization to avoid damage to building caused by construction-related impacts. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_002_004	Joseph House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_007	Delta-style House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_017	Moore House	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_005_002	Mosher House	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_007_004	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_012	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_020	George Cornish House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_010_002	Rosebud Rancho	D	Permanent transmission line.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_015	Delta-style House	D	Permanent transmission lines.	HALS. Avoid built resources when routing transmission lines. Avoid placing transmission structure on property. HSR and protection plan if transmission line structure is to be placed on property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_013_064	Queen Anne w/ Classical Revival elements	D	Permanent transmission lines. Permanent access road.	HALS. Avoid built resources when routing transmission lines. Avoid placing transmission structure on property. HSR and protection plan if transmission line structure is to be placed on property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_055_007	Beaver Union Elementary School	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_056_001	Grand Island Ranch	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_001	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_002	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_003	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
Grand Island		D/N	Temporary transmission lines. No impact if property can be replaced to original condition.	Record landscape in area for post-construction restoration to avoid permanent impact.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-24. Alternative 4, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_005_002	Mosher House	D	Intake 2, permanent surface impact, permanent access road; temporary surface impact, temporary access road, temporary transmission lines.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_007_004	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_012	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_009_001	Foursquare vernacular	I	Intake 3, seen from across the river.	HALS with vista images from property to across the river.
PTO_010_002	Rosebud Rancho	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_016_001	George B. Greene House	D/I	Intake 5 temporary surface impact; permanent visual impact. No direct impact if property can be replaced to original condition.	Avoid temporary surface impact that may impact any historic buildings and structures. HALS and HSR prior to any construction activity. Prepare protection plan, which may include stabilization of any/all historic buildings on the property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If impact to any ancillary historic buildings cannot be avoided during temporary surface impact, stabilize and temporarily move buildings elsewhere on the property; mothball for duration. Restore landscape impacted to pre-construction condition. Permanent visual impact. HALS to include vista images toward what will be Intake 5.
Bacon Island		D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.	Access to all island to update prior evaluation. Conduct HALS for areas that will be directly impacted by construction.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.
MPTO_002_001	Components of the Delta Field Division, SWP	D	Permanent expansion of Clifton Court Forebay	HAER recordation of Clifton Court Forebay. Prepare an in depth historic context of the California Water Project system.

2

1 **Table 18B-25. Alternative 5, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_001_003	Scribner's Bend Vineyards	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	Built portion of the property will not be directly impacted. Prepare historic structures report (HSR) and protective plan which may include stabilization to avoid damage to building caused by construction-related impacts. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_002_004	Joseph House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_007	Delta-style House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_005_002	Mosher House	D	Temporary transmission lines across built part of property. Tunnel muck, work area, permanent transmission line, and pipeline going through agricultural portion of the property. Impact could be minimized if property restored to original condition.	HALS of entire parcel. HSR of building for potential stabilization. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_010_002	Rosebud Rancho	D	Permanent transmission line.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_006	Delta-style House	I	Permanent transmission lines on property boundary. Small property = significant visual impact.	HALS with vista images of area where transmission lines will be placed. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_013_015	Delta-style House	D	Permanent transmission lines.	HALS. Avoid built resources when routing transmission lines. Avoid placing transmission structure on property. HSR and protection plan if transmission line structure is to be placed on property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_013_064	Queen Anne w/ Classical Revival elements	D	Permanent transmission lines. Permanent access road.	HALS. Avoid built resources when routing transmission lines. Avoid placing transmission structure on property. HSR and protection plan if transmission line structure is to be placed on property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_055_007	Beaver Union Elementary School	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_001	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_002	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_003	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
Bacon Island		D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.	Access to all island to update prior evaluation. Conduct HALS for areas that will be directly impacted by construction.
Grand Island		D/N	Temporary transmission lines. No impact if property can be replaced to original condition.	Record landscape in area for post-construction restoration to avoid permanent impact.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-26. Alternative 6A, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_001_003	Scribner's Bend Vineyards	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	Built portion of the property will not be directly impacted. Prepare historic structures report (HSR) and protective plan which may include stabilization to avoid damage to building caused by construction-related impacts. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_002_004	Joseph House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_017	Moore House	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_005_002	Mosher House	D	Intake 2 permanent surface impact, permanent access road, permanent transmission lines; tunnel muck, work area, pipeline going through agricultural portion of the property.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_007_004	Delta-style House	I	Intake 2 seen from across the river.	HALS with vista images from property to across the river.
PTO_007_012	Delta-style House	I	Intake 2 seen from across the river.	HALS with vista images from property to across the river.
PTO_007_020	George Cornish House	I	Intake 2 seen from across the river.	HALS with vista images from property to across the river.
PTO_009_001	Foursquare vernacular	I	Intake 3 seen from across the river.	HALS with vista images from property to across the river.
PTO_010_002	Rosebud Rancho	D	Intake 3 permanent surface impact, permanent access road, permanent transmission lines; temporary surface impact, temporary access road.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_006	Delta-style House	I	Permanent transmission lines on property boundary. Small property = significant visual impact. Intake 4 visible.	HALS with vista images of area where transmission lines will be placed. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_013_015	Delta-style House	D	Intake 4 permanent surface impact, permanent transmission lines.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_013_064	Queen Anne w/ Classical Revival elements	D	Intake 4 permanent surface impact, permanent transmission lines.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_013_067	Edward Bunnell House	I	Intake 4 seen across the river.	HALS with vista images from property to across the river.
PTO_016_001	George B. Greene House	D/I	Intake 5 temporary surface impact. Intake immediately adjacent to property, significant visual impact even if area of temporary surface impact can be restored.	Avoid temporary surface impact that may impact any historic buildings and structures. HALS and HSR prior to any construction activity. Prepare protection plan, which may include stabilization of any/all historic buildings on the property. Prepare study of potential construction- related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If impact to any ancillary historic buildings cannot be avoided during temporary surface impact, stabilize and temporarily move buildings elsewhere on the property; mothball for duration. Restore landscape impacted to pre-construction condition. Permanent visual impact. HALS to include vista images toward what will be Intake 5.
PTO_055_007	Beaver Union Elementary School	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post- construction restoration to avoid permanent impact.
PTO_056_001	Grand Island Ranch	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post- construction restoration to avoid permanent impact.
PTO_173_001	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post- construction restoration to avoid permanent impact.
PTO_173_002	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post- construction restoration to avoid permanent impact.
PTO_173_003	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post- construction restoration to avoid permanent impact.
Grand Island		D/N	Temporary transmission lines. No impact if property can be replaced to original condition.	Record landscape in area for post-construction restoration to avoid permanent impact.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-27. Alternative 6B, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
EAST_002_004	Folk Victorian with Craftsman elements	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact	If visible, HALS with vista images from property to across the river.
EAST_007_007	Noah Adams Lumber Co./ Merritt School	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_012	Lawlor and Cosby General Merchandise/ Husick Hardware	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_013	Husick Hardware/ McCusey	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_014	Foursquare	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_007_018	Amalgomated Sugar Co.	I/N	Tunnel muck that is not removed may be visible from historic properties that are across the river unless the existing levee height is sufficient to block the view. If below River Road height, no impact.	If visible, HALS with vista images from property to across the river.
EAST_070_002	PG&E Classical Revival electrical power substation	D/N	Temporary transmission lines across the property. No impact if building is not altered. Additional transmission lines adjacent to building would be no impact.	HABS if impact to building. No mitigation necessary otherwise.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
EAST_134_002	Feeder Barn	D	Canal crosses the property.	HALS. Tunnel construction may cause vibration and settlement. HSR for barn, stabilize and monitor throughout construction. If tunnel is cut and cover, stabilize and temporarily move barn; mothball elsewhere on property. If all ranch buildings are to be removed permanently, stabilize and move barn to property with similar setting. If barn is to be demolished, HABS.
PTO_001_003	Scribner's Bend Vineyards	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	Built portion of the property will not be directly impacted. Prepare historic structures report (HSR) and protective plan which may include stabilization to avoid damage to building caused by construction-related impacts. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_002_004	Joseph House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_007	Delta-style House	I	Intake 1 seen from across the river.	HALS with vista images from property to across the river.
PTO_002_017	Moore House	D	Intake 1, permanent surface impact, permanent access road; temporary surface impact, temporary surface road.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_007_004	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_012	Delta-style House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_007_020	George Cornish House	I	Intake 2, seen from across the river.	HALS with vista images from property to across the river.
PTO_009_001	Foursquare vernacular	I	Intake 3, seen from across the river.	HALS with vista images from property to across the river.
PTO_010_002	Rosebud Rancho	D	Intake 3, permanent surface impact, permanent access road, permanent transmission line; temporary surface impact, temporary access road.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_006	Delta-style House	I	Intake 4 visible.	HALS with vista of future intake 4 location
PTO_013_015	Delta-style House	D	Intake 4 permanent surface impact, permanent access road, permanent transmission line.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_013_064	Queen Anne w/ Classical Revival elements	D	Intake 4 permanent surface impact, permanent access road, permanent transmission line.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_013_066	Amos Pylman House/Pylman Vineyards Inc.	I	Intake 4 visible from across the river.	HALS with vista images from property to across the river.
PTO_013_067	Edward Bunnell House	I	Intake 4 visible from across the river.	HALS with vista images from property to across the river.
PTO_016_001	George B. Greene House	D/I	Intake 5 temporary surface impact. Intake immediately adjacent to property, significant visual impact even if area of temporary surface impact can be restored.	Avoid temporary surface impact that may impact any historic buildings and structures. HALS and HSR prior to any construction activity. Prepare protection plan, which may include stabilization of any/all historic buildings on the property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If impact to any ancillary historic buildings cannot be avoided during temporary surface impact, stabilize and temporarily move buildings elsewhere on the property; mothball for duration. Restore landscape impacted to pre-construction condition. Permanent visual impact. HALS to include vista images toward what will be Intake 5.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-28. Alternative 6C, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
WEST_014_001	Holland Land Company Headquarters	I	Borrow/spoil area potentially visible across levee.	HALS with vista images from property to across the levee. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
WEST_015_001	Delta-style house	D/I	Built resources parcel not directly impacted; associated agricultural parcel directly impacted by borrow/spoil area and canal.	HALS. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
WEST_047_001	Delta-style house	D	Intake 5 temporary work area, permanent transmission line, canal.	HALS. Historic built resource not directly impacted, other buildings are. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
WEST_177_001	East Contra Costa Irrigation District Canal	D	Temporary surface impact to canal, siphon.	HAER of canal, HALS of canal and pumping stations.
EAST_002_004	Folk Victorian with Craftsman elements	D/I/N	Built portion of parcel not directly impacted, agricultural portion directly impacted by tunnel and temporary transmission lines. If agricultural portion is restored, no impact.	HALS. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If agricultural portion is restored, and the building is not affected by vibration, no impact.
PTO_001_003	Scribner's Bend Vineyards	I	Intake 1, visible from across the river.	HALS with vista images from property to across the river.
PTO_002_004	Joseph House	D	Intake 1, permanent surface impact, permanent access road.	HALS and HABS. Stabilize and move house to similar setting.
PTO_002_007	Delta-style House	D	Intake 1, temporary surface impact, temporary access road through built resource. Significant indirect impact, property adjacent to intake.	HALS and HABS. Stabilize and move house to similar setting.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_002_017	Moore House	I	Intake 1, visible from across the river.	HALS with vista images from property to across the river.
PTO_005_002	Mosher House	I	Intake 2, visible from across the river.	HALS with vista images from property to across the river.
PTO_007_004	Delta-style House	D	Intake 2, permanent surface impact, transmission line.	HALS and HABS. Stabilize and move house to similar setting.
PTO_007_012	Delta-style House	D	Intake 2, borrow/spoil area includes buildings.	HALS and HABS. Stabilize and move house to similar setting.
PTO_007_020	George Cornish House	D	Intake 2, permanent surface impact – in the middle of the intake.	HALS and HABS. Stabilize and move house to similar setting.
PTO_009_001	Foursquare vernacular	I	Intake 3, temporary road, borrow/spoil area adjacent to parcel.	HALS. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_010_002	Rosebud Rancho	I	Borrow/spoil area visible from across the river.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_006	Delta-style House	I	Intake 3 visible from across the river.	HALS with vista images from property to across the river.
PTO_013_066	Amos Pylman House/Pylman Vineyards Inc.	D/I/N	Temporary power and batch plant on parcel, no direct impact to built resource; agricultural portion impacted. No impact if agricultural portion can be restored. Property between intakes 3 and 4, permanent visual impact.	HALS, including vista images toward intakes 3 and 4 proposed locations. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_013_067	Edward Bunnell House	D	Temporary surface impact and temporary road directly impact built resource.	HALS and HABS. Stabilize and move house to similar setting.
PTO_016_001	George B. Greene House	I	Intake 4 visible from across the river.	HALS with vista images from property to across the river.
Netherlands Island		D	Permanent impact from intake 1, utility service, transmission lines, tunnel, canal, borrow/spoil areas.	Evaluate island as a historic rural landscape prior to any construction. HALS anywhere there is ground disturbance.
Grand Island		D	Tunnel crosses western-most tail of island.	No mitigation unless cut and cover tunnel and/or any surface impacts, including disturbance of levee. Then HALS disturbed portion.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-29. Alternative 7, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_005_002	Mosher House	D	Intake 2 permanent surface impact, permanent access road, permanent transmission lines; tunnel muck, work area, pipeline going through agricultural portion of the property.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_007_004	Delta-style House	I	Intake 2 seen from across the river.	HALS with vista images from property to across the river.
PTO_007_012	Delta-style House	I	Intake 2 seen from across the river.	HALS with vista images from property to across the river.
PTO_007_020	George Cornish House	I	Intake 2 seen from across the river.	HALS with vista images from property to across the river.
PTO_009_001	Foursquare vernacular	I	Intake 3 seen from across the river.	HALS with vista images from property to across the river.
PTO_010_002	Rosebud Rancho	D	Intake 3 permanent surface impact, permanent access road, permanent transmission lines; temporary surface impact, temporary access road.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_006	Delta-style House	I	Permanent transmission lines on property boundary. Small property = significant visual impact. Intake 4 visible.	HALS with vista images of area where transmission lines will be placed. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_013_064	Queen Anne w/ Classical Revival elements	D	Intake 4 permanent transmission lines. Permanent access road.	HALS. Avoid built resources when routing transmission lines. Avoid placing transmission structure on property. HSR and protection plan if transmission line structure is to be placed on property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_013_066	Amos Pylman House/Pylman Vineyards Inc.	I	Intake 4 seen across the river.	HALS with vista images from property to across the river.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_016_001	George B. Greene House	D/I	Intake 5 temporary surface impact. Intake immediately adjacent to property, significant visual impact even if area of temporary surface impact can be restored.	Avoid temporary surface impact that may impact any historic buildings and structures. HALS and HSR prior to any construction activity. Prepare protection plan, which may include stabilization of any/all historic buildings on the property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If impact to any ancillary historic buildings cannot be avoided during temporary surface impact, stabilize and temporarily move buildings elsewhere on the property; mothball for duration. Restore landscape impacted to pre-construction condition. Permanent visual impact. HALS to include vista images toward what will be Intake 5.
PTO_055_007	Beaver Union Elementary School	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_056_001	Grand Island Ranch	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_001	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_003	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
Bacon Island		D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.	Access to all island to update prior evaluation. Conduct HALS for areas that will be directly impacted by construction.
Grand Island		D/N	Temporary transmission lines. No impact if property can be replaced to original condition.	Record landscape in area for post-construction restoration to avoid permanent impact.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-30. Alternative 8, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_005_002	Mosher House	D	Intake 2 permanent surface impact, permanent access road, permanent transmission lines; tunnel muck, work area, pipeline going through agricultural portion of the property.	HABS and HALS. Prepare HSR, stabilize, and move house to new, similar in context, property.
PTO_007_004	Delta-style House	I	Intake 2 seen from across the river.	HALS with vista images from property to across the river.
PTO_007_012	Delta-style House	I	Intake 2 seen from across the river.	HALS with vista images from property to across the river.
PTO_007_020	George Cornish House	I	Intake 2 seen from across the river.	HALS with vista images from property to across the river.
PTO_009_001	Foursquare vernacular	I	Intake 3 seen from across the river.	HALS with vista images from property to across the river.
PTO_010_002	Rosebud Rancho	D	Intake 3 permanent surface impact, permanent access road, permanent transmission lines; temporary surface impact, temporary access road.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.
PTO_013_015	Delta-style House	D	Intake 4 permanent transmission lines.	HALS. Avoid built resources when routing transmission lines. Avoid placing transmission structure on property. HSR and protection plan if transmission line structure is to be placed on property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_013_064	Queen Anne w/ Classical Revival elements	D	Intake 4 permanent transmission lines. Permanent access road.	HALS. Avoid built resources when routing transmission lines. Avoid placing transmission structure on property. HSR and protection plan if transmission line structure is to be placed on property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic building, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it.
PTO_013_066	Amos Pylman House/Pylman Vineyards Inc.	I	Intake 4 seen across the river.	HALS with vista images from property to across the river.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
PTO_016_001	George B. Greene House	D/I	Intake 5 temporary surface impact. Intake immediately adjacent to property, significant visual impact even if area of temporary surface impact can be restored.	Avoid temporary surface impact that may impact any historic buildings and structures. HALS and HSR prior to any construction activity. Prepare protection plan, which may include stabilization of any/all historic buildings on the property. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If impact to any ancillary historic buildings cannot be avoided during temporary surface impact, stabilize and temporarily move buildings elsewhere on the property; mothball for duration. Restore landscape impacted to pre-construction condition. Permanent visual impact. HALS to include vista images toward what will be Intake 5.
PTO_055_007	Beaver Union Elementary School	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_001	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_002	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
PTO_173_003	Contributor to Bacon Island	D/N	Temporary transmission lines across the property. No impact if property can be replaced to original condition.	If transmission lines will be on parcel, record landscape in area for post-construction restoration to avoid permanent impact.
Bacon Island		D	Direct impact to areas inaccessible to survey. Will need access to determine if contributors will be affected. Assume direct impact.	Access to all island to update prior evaluation. Conduct HALS for areas that will be directly impacted by construction.
Grand Island		D/N	Temporary transmission lines. No impact if property can be replaced to original condition.	Record landscape in area for post-construction restoration to avoid permanent impact.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

1 **Table 18B-31. Alternative 9, Recommended Mitigation**

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
EAST_070_002	PG&E Classical Revival electrical power substation	D/N	Transmission lines adjacent to the substation will not impact it unless the building itself is altered.	HABS if impact to building. No mitigation necessary otherwise.
EAST_179_002	Middle River Bridge	D/N	Should dredging around the bridge be necessary, it needs to be protected.	Protect bridge during construction.
SCO_008_001	Classical Revival residence	D/I	Dredging and constructing of the canal leading to the operable barrier may cause construction vibration, potentially damaging built resources. Visual impact from operable barrier and canal leading to it.	HALS. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If agricultural portion is restored, and the building is not affected by vibration, no impact.
SCO_008_004	Queen Anne residence	I	Operable barrier visible from across river.	HALS with vista images from property to across the river.
SCO_009_006	Durbin/Towne House	D	Dredging at river side may cause construction vibration, potentially damaging built resources.	Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If agricultural portion is restored, and the building is not affected by vibration, no impact.
SCO_015_027	Jean Harvie School	D/I	Permanent surface impact adjacent to property. Potential construction-related vibration. Visual impact from intake.	HALS. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic building for vibration throughout construction if the results of the pre-construction study warrant it. If agricultural portion is restored, and the building is not affected by vibration, no impact.
SCO_016_025	Imperial Theater	I	Visual impact from intake.	This property, listed on the NRHP, has lost integrity. Recommend initiating procedures for delisting. Mitigation unnecessary.

Property #	Property Name	I/D/N	Project Feature	Recommended avoidance/minimization/mitigation
SCO_059_001	Woodward Island Railroad Bridge	D/N	Should dredging around the bridge be necessary, it needs to be protected.	Protect bridge during construction.
Locke Historic District		D	Permanent Surface impact – Intakes	HALS district. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic buildings for vibration throughout construction if the results of the pre-construction study warrant it.
Walnut Grove Chinese/American Historic District		D	Permanent Surface impact - Intakes	HALS district. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic buildings for vibration throughout construction if the results of the pre-construction study warrant it.
Walnut Grove Historic Commercial District		D	Permanent Surface impact - Intakes	HALS district. Prepare study of potential construction-related vibration and determine safe threshold. Should it be determined that vibration may impact the historic buildings, prepare HSR and stabilize. Monitor historic buildings for vibration throughout construction if the results of the pre-construction study warrant it.
Bacon Island		D	Potential spoil area, work area, transformer, operable barrier.	Access to all island to update prior evaluation. Conduct HALS for areas that will be directly impacted by construction.
Central Valley Project	Delta Mendota Canal	D	Permanent surface impact and transmission lines.	HAER recordation section of canal to Tracy Pumping Station.

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18B.3 References

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6 Archaeological Research at Davis Publication Number 5. Davis, CA.
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- 12 Moratto, M. J. 1984. *California Archaeology*. San Francisco, CA: Academic Press.