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Receiving Waters

The attached Tables 1 and 2 show the receiving waters associated with each impact and Permittee responsible mitigation site. These tables compile all reported impacts to waters of the state for the High Speed Train Fresno to Bakersfield Permitting Packages 1.a and 1.b, respectively.

Package	Anticipated Year of Construction	Waters Name	Type	Latitude	Longitude	Permanent Acreage Impacts	Permanent Linear Foot Impacts	Permanent Mitigation Ratio n11	Temporary Linear Foot Impacts	Permanent Mitigation Acreage	Temporary Direct Acreage Impacts	Temporary Mitigation Location	Temporary Mitigation Ratio n11	Temporary Mitigation Acreage	Beneficial Uses	Basin Plan HUC	USGS HUC	Receiving Waters	Watershed
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STREAM CHANNEL / CANALS / DITCHES

1.a	2016 / 2017	CEZ1J6W	Canal/Ditch	36.2073	-119.6114	0.04	187	1	124	0.04	0.03	On Site	1	0.03	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	CEB30W	Canal/Ditch	36.2168	-119.6096	0.23	879	1	40	0.23	0.01	On Site	1	0.01	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	CEZ1J6W	Canal/Ditch	36.2111	-119.6041	0.33	1,462	1	0	0.33	0.00	On Site	1	0.00	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	CEB30W	Canal/Ditch	36.2402	-119.6094	0.02	67	1	61	0.02	0.01	On Site	1	0.01	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	CEZ1J6W	Canal/Ditch	36.2402	-119.6005	1.17	3,754	1	0	1.17	0.00	On Site	1	0.00	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	1530W02	Canal/Ditch	36.2483	-119.5986	0.24	115	1	0	0.24	0.00	On Site	1	0.00	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	1980W02	Canal/Ditch	36.2548	-119.5709	1.56	2,273	1	217	1.56	0.16	On Site	1	0.16	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	1880W01	Canal/Ditch	36.2622	-119.5914	0.01	61	1	37	0.01	0.01	On Site	1	0.01	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	1880W01	Canal/Ditch	36.2693	-119.5917	2.25	4,698	1	71	2.25	0.03	On Site	1	0.03	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	CEB30W	Canal/Ditch	36.2695	-119.5957	0.20	1,771	1	0	0.20	0.00	On Site	1	0.00	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	1880W01	Canal/Ditch	36.2767	-119.5911	0.04	178	1	63	0.04	0.01	On Site	1	0.01	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	1770W01	Canal/Ditch	36.2876	-119.5911	0.01	120	1	0	0.01	0.00	On Site	1	0.00	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	551.9	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	1880W02	Canal/Ditch	36.3063	-119.5920	0.34	1,464	1	468	0.34	0.12	On Site	1	0.12	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	551.9 / 558.1	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	1620W01	Canal/Ditch	36.3201	-119.5915	0.00	0	1	20	0.00	0.02	On Site	1	0.02	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	551.9	18030012	San Joaquin River	Tulare-Buena Vista Lakes
1.a	2016 / 2017	1590W01	Canal/Ditch	36.3208	-119.5913	0.00	0	1	20	0.00	0.01	On Site	1	0.01	AGR, IRO, PRO, REC-1, REC-2, WARM, WILD, PARE, GWR	551.9	18030012	San Joaquin River	Tulare-Buena Vista Lakes

Package	Anticipated Year of Construction	Watershed Name	Type	Latitude	Longitude	Permanent Average Impacts	Permanent Linear Foot Impacts	Permanent Mitigation Ratio m:1	Temporary Linear Foot Impacts	Permanent Mitigation Average	Temporary Direct Average Impacts	Temporary Mitigation Ratio m:1	Temporary Mitigation Average	Beneficial Uses	Basin Plan PPMC	USGS HUC	Receiving Waters	Watershed												
1.a	2016 / 2017	CE360W	Canals/Ditches	36.53076	-119.5918	0.62	1,312	1	303	0.62	0.13	1	0.13	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.9	18030012	San Joaquin River	Tulare-Baños Vista Lakes												
1.a	2016 / 2017	CE360W	Canals/Ditches	36.3720	-119.5867	0.86	1,813	1	60	0.86	0.04	1	0.04	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.9	18030012	San Joaquin River	Tulare-Baños Vista Lakes												
1.a	2016 / 2017	CE360W	Canals/Ditches	36.4039	-119.5956	0.61	896	1	256	0.61	0.18	1	0.18	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.9	18030012	San Joaquin River	Tulare-Baños Vista Lakes												
1.a	2016 / 2017	0780HW1	Canals/Ditches	36.5490	-119.7330	0.66	1,611	1	1717	0.66	0.71	1	0.71	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.7	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	8040HW1	Canals/Ditches	36.5300	-119.7328	0.04	203	1	0	0.04	0.00	1	0.00	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.7	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	0780HW1	Canals/Ditches	36.5273	-119.7163	0.69	338	1	122	0.69	0.03	1	0.03	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.7	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	CE360W	Canals/Ditches	36.5214	-119.7351	0.13	195	1	0	0.13	0.00	1	0.00	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.7	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	0670HW1	Canals/Ditches	36.5632	-119.7422	0.11	350	1	59	0.11	0.02	1	0.02	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.7	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	0640HW1	Canals/Ditches	36.5767	-119.7460	0.05	210	1	0	0.05	0.00	1	0.00	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.7	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	0640HW2	Canals/Ditches	36.5767	-119.7465	0.08	336	1	0	0.08	0.00	1	0.00	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.7	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	0528HW1	Canals/Ditches	36.6200	-119.7525	1.01	2,923	1	119	1.01	0.04	1	0.04	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.7	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	0470HW1	Canals/Ditches	36.6303	-119.7514	0.10	324	1	56	0.10	0.02	1	0.02	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.3	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	0480HW2	Canals/Ditches	36.6406	-119.7597	0.10	558	1	0	0.10	0.00	1	0.00	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.3	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	0480HW1	Canals/Ditches	36.6469	-119.7594	0.02	265	1	0	0.02	0.00	1	0.00	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.3	18030009	San Joaquin River	Upper Dry												
1.a	2016 / 2017	0480HW1	Canals/Ditches	36.6525	-119.7519	0.14	414	1	115	0.14	0.04	1	0.04	AGR, IND, PRO, REC-1, REC-2, WASH, WILD, PAME, GWR	551.3	18030009	San Joaquin River	Upper Dry												
TOTAL STREAM CHANNELS																														
															11.16	3,900	1.62	1	1.62	11.16	1	1.62	1.62	1	1.62	1.62	1	1.62	1.62	1.62

Table 1																																
Package	Anticipated Year of Construction	Waters Name	Type	Latitude	Longitude	Permanent Acreage Impacts	Permanent Linear Foot Impacts	Permanent Mitigation Location	Permanent Mitigation Ratio n:1	Temporary Linear Foot Impacts	Permanent Mitigation Acreage	Temporary Direct Acreage Impacts	Temporary Mitigation Location	Temporary Mitigation Ratio n:1	Temporary Mitigation Acreage	Beneficial Uses	Basin Plan HUC	USGS HUC	Receiving Waters	Watershed												
LAKE / DETENTION BASINS																																
1.a	2016 / 2017	CCEBOW	Detention Basin	36.2260	-119.6990	0.08	N/A	On Site	1	N/A	0.08	0.00	On Site	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	553.1	18030012	San Joaquin River	Tulare-Sierra Veta Lajas												
1.a	2016 / 2017	1295OWR4	Detention Basin	36.2273	-119.6994	0.45	N/A	On Site	1	N/A	0.45	0.00	On Site	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	553.1	18030012	San Joaquin River	Tulare-Sierra Veta Lajas												
1.a	2016 / 2017	1295OWB3	Detention Basin	36.2646	-119.5923	0.22	N/A	On Site	1	N/A	0.22	0.00	On Site	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	553.1	18030012	San Joaquin River	Tulare-Sierra Veta Lajas												
1.a	2016 / 2017	CCEHOW	Detention Basin	36.3623	-119.5918	0.24	N/A	On Site	1	N/A	0.24	0.00	On Site	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	551.9	18030012	San Joaquin River	Tulare-Sierra Veta Lajas												
1.a	2016 / 2017	CCEKOW	Detention Basin	36.3623	-119.5915	0.36	N/A	On Site	1	N/A	0.36	0.00	On Site	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	551.9	18030012	San Joaquin River	Tulare-Sierra Veta Lajas												
1.a	2016 / 2017	CCEBOW	Detention Basin	36.3628	-119.5916	0.16	N/A	On Site	1	N/A	0.16	0.00	On Site	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	551.9	18030012	San Joaquin River	Tulare-Sierra Veta Lajas												
1.a	2016 / 2017	CCEBOW	Detention Basin	36.3629	-119.5916	0.13	N/A	On Site	1	N/A	0.13	0.00	On Site	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	551.9	18030012	San Joaquin River	Tulare-Sierra Veta Lajas												
1.a	2016 / 2017	061COW1	Detention Basin	36.5792	-119.7463	0.03	N/A	On Site	1	N/A	0.03	0.00	On Site	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	551.7	18030009	San Joaquin River	Upper Dry												
TOTAL LAKE														1	0.00																	

Table 2: Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permitted Acropast Impacts	Volume of Fill (CY)	Acropast Impacts - Vernal Pools	Permitted Linear Foot Impacts	Permitted Mitigation Locations	Permitted Mitigation Rains in L	Temporary Linear Foot Impacts	Permitted Mitigation Acropast	Temporary Mitigation Rains in L	Temporary Mitigation Locations	Temporary Mitigation Acropast	Beneficial Uses	Basin Plan IMC	USACE IMC	Receiving Waters	Waterbody	Construction Package
TBD	CE2320W	Canal/Ditch	36.4099	-118.645	0.00	0	N/A	0	On Site	1	21	0.00	0.11	On Site	0.61	AGE, IRO, PRO, RES-1, RES-2, WASH, WILD, BARE, OWE	551.9	18030012	San Joaquin River	Tulare Basin Vernal Pools	CP-2/3
TBD	CE2310W	Canal/Ditch	36.4918	-118.6465	0.15	1,476	N/A	221	On Site	1	209	0.15	0.15	On Site	0.15	AGE, IRO, PRO, RES-1, RES-2, WASH, WILD, BARE, OWE	551.3	18030009	San Joaquin River	Upper Dry	CP-2/3
TBD	CE2300W	Canal/Ditch	36.4617	-118.6466	0.31	4,032	N/A	294	On Site	1	196	0.31	0.21	On Site	0.21	AGE, IRO, PRO, RES-1, RES-2, WASH, WILD, BARE, OWE	551.3	18030009	San Joaquin River	Upper Dry	CP-2/3
TBD	ACE200W	Canal/Ditch	35.9284	-118.3855	0.00	0	N/A	0	On Site	1	61	0.00	0.02	On Site	0.02	AGE, IRO, PRO, RES-1, RES-2, WASH, WILD, BARE, OWE	556.8	18030004	San Joaquin River	Upper Pools	CP 4
TBD	ACE200W	Canal/Ditch	35.9289	-118.3861	0.00	0	N/A	0	On Site	1	46	0.00	0.02	On Site	0.02	AGE, IRO, PRO, RES-1, RES-2, WASH, WILD, BARE, OWE	556.8	18030004	San Joaquin River	Upper Pools	CP 4
TBD	461401W1	Canal/Ditch	36.6779	-119.3188	0.00	0	N/A	0	On Site	1	79	0.00	0.03	On Site	0.03	AGE, IRO, PRO, RES-1, RES-2, WASH, WILD, BARE, OWE	556.8	18030004	San Joaquin River	Upper Pools	CP 4
TBD	461401W1	Canal/Ditch	37.5295	-119.3175	0.00	6,456	N/A	1,277	On Site	1	0	0.00	0.04	On Site	0.04	AGE, IRO, PRO, RES-1, RES-2, WASH, WILD, BARE, OWE	556.8	18030004	San Joaquin River	Upper Pools	CP 4
TBD	461401W1	Canal/Ditch	36.6749	-119.3164	0.32	1,813	N/A	218	On Site	1	120	0.12	0.07	On Site	0.07	AGE, IRO, PRO, RES-1, RES-2, WASH, WILD, BARE, OWE	556.7	18030005	San Joaquin River	Upper Drier - Upper White	CP 4
TBD	461401W1	Canal/Ditch	36.7225	-119.3166	0.00	0	N/A	0	On Site	1	405	0.00	0.06	On Site	0.06	AGE, IRO, PRO, RES-1, RES-2, WASH, WILD, BARE, OWE	556.7	18030005	San Joaquin River	Upper Drier - Upper White	CP 4
TBD	461401W1	Canal/Ditch	35.7013	-119.3099	0.45	5,867	N/A	682	On Site	1	411	0.45	0.31	On Site	0.31	AGE, IRO, PRO, RES-1, RES-2, WASH, WILD, BARE, OWE	556.7	18030005	San Joaquin River	Upper Drier - Upper White	CP 4

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Item	Type	Latitude	Longitude	Permanent Average Impacts	Volume of Fill (CY)	Average Infiltration Potential - Vertical Pools	Permanent Linear Feet Impacts	Permanent Mitigation Location	Permanent Mitigation Material	Temporary Linear Feet Impacts	Permanent Mitigation Average	Temporary Ditch Average Impacts	Temporary Mitigation Location	Temporary Mitigation Material	Temporary Mitigation Average	Beneficial Use	Basin Plan RWIC	USGS HUC	Reach/riparian Wetland	Waterbody	Construction Package
TBD	38F0V01	Canal/Ditch	35.4801	-115.4994	0.13	38	N/A	258	On Site	1	119	0.07	0.02	On Site	ASR, MFL, PSL, WARA, WED, WAME, GRK	0.01	5SL2	1800085	San Joaquin River	Upper Ditch Upper White	CP 2/2	
TBD	4B18P01	Canal/Ditch	35.8318	-115.4111	2.43	31,342	N/A	3,046	On Site	1	181	2.43	0.13	On Site	ASR, MFL, PSL, WARA, WED, WAME, GRK	0.13	5SL2	1800085	San Joaquin River	Upper Ditch Upper White	CP 2/2	
TBD	W11400W1	Canal/Ditch	35.8696	-115.4129	0.05	802	N/A	226	On Site	1	88	0.05	0.02	On Site	ASR, MFL, PSL, WARA, WED, WAME, GRK	0.02	5SL2	1800085	San Joaquin River	Upper Ditch Upper White	CP 2/2	
TBD	38F0V01	Canal/Ditch	35.8918	-115.4179	0.11	1,482	N/A	3,188	On Site	1	0	0.11	0.00	On Site	ASR, MFL, PSL, WARA, WED, WAME, GRK	0.00	5SL2	1800085	San Joaquin River	Upper Ditch Upper White	CP 2/2	
TBD	38F0V02	Canal/Ditch	35.8914	-115.4172	0.35	4,200	N/A	3,042	On Site	1	0	0.35	0.00	On Site	ASR, MFL, PSL, WARA, WED, WAME, GRK	0.00	5SL2	1800085	San Joaquin River	Upper Ditch Upper White	CP 2/2	
TBD	38F0W4	Canal/Ditch	35.8914	-115.4172	2.09	26,517	N/A	3,031	On Site	1	58	2.09	0.04	On Site	ASR, MFL, PSL, WARA, WED, WAME, GRK	0.04	5SL2	1800085	San Joaquin River	Upper Ditch Upper White	CP 2/2	
TBD	1235P02	Canal/Ditch	35.9072	-115.4089	0.07	696	N/A	115	On Site	1	0	0.07	0.00	On Site	ASR, MFL, PSL, WARA, WED, WAME, GRK	0.00	5SL2	1800085	San Joaquin River	Upper Ditch Upper White	CP 2/2	
TBD	4120W4	Canal/Ditch	35.9182	-115.4079	0.37	3,483	N/A	419	On Site	1	60	0.37	0.16	On Site	ASR, MFL, PSL, WARA, WED, WAME, GRK	0.16	5SL2	1800085	San Joaquin River	Upper Ditch Upper White	CP 2/2	
TBD	4120W12	Canal/Ditch	35.9182	-115.4072	0.07	912	N/A	182	On Site	1	11	0.07	0.01	On Site	ASR, MFL, PSL, WARA, WED, WAME, GRK	0.01	5SL2	1800085	San Joaquin River	Upper Ditch Upper White	CP 2/2	
TBD	4120W7	Canal/Ditch	35.9182	-115.4159	3.79	46,892	N/A	4,045	On Site	1	0	3.79	0.00	On Site	ASR, MFL, PSL, WARA, WED, WAME, GRK	0.00	5SL2	1800085	San Joaquin River	Upper Ditch Upper White	CP 2/2	

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permanent Average Impacts	Volume of FBE (CY)	Average Shallow Bedrock - Vertical Pools	Permanent Linear Peak Impacts	Permanent Mitigation Location	Permanent Mitigation Ratio scf	Temporary Linear Peak Impacts	Permanent Impacts Average	Temporary Impacts Average	Temporary Mitigation Location	Temporary Mitigation Ratio scf	Temperature Mitigation Average	Beneficial Uses	Reach, Main NUC	USGS HUC	Reaching Waters	Watershed	Construction Partings
TBD	3182OW02	Canal/Ditch	35.82374	-118.4718	1.50	20,666	N/A	3,189	On Site	1	59	1.50	0.05	On Site	1	0.05	AGS, TRD, PRO, BEO, I, BEO-2, WMA, MDC, MARE, OWR	58L2	18000008	San Joaquin River	Upper Deer Valley Waters	CP 2/3
TBD	3182OW03	Canal/Ditch	35.82002	-118.4715	0.81	83	N/A	36	On Site	1	0	0.81	0.00	On Site	1	0.00	AGS, TRD, PRO, BEO, I, BEO-2, WMA, MDC, MARE, OWR	58L2	18000008	San Joaquin River	Upper Deer Valley Waters	CP 2/3
TBD	3182OW01	Canal/Ditch	35.82025	-118.4781	11.77	181,948	N/A	4,085	On Site	1	0	11.77	0.81	On Site	1	0.01	AGS, TRD, PRO, BEO, I, BEO-2, WMA, MDC, MARE, OWR	58L2	18000012	San Joaquin River	Tulare-Deer Valley Lakes	CP 2/3
TBD	3182OW02	Canal/Ditch	35.82075	-118.4766	0.00	56	N/A	219	On Site	1	0	0.00	0.00	On Site	1	0.00	AGS, TRD, PRO, BEO, I, BEO-2, WMA, MDC, MARE, OWR	58L2	18000013	San Joaquin River	Tulare-Deer Valley Lakes	CP 2/3
TBD	3182OW01	Canal/Ditch	35.82036	-118.4782	0.18	1,332	N/A	612	On Site	1	0	0.18	0.00	On Site	1	0.00	AGS, TRD, PRO, BEO, I, BEO-2, WMA, MDC, MARE, OWR	58L2	18000012	San Joaquin River	Tulare-Deer Valley Lakes	CP 2/3
TBD	3182OW01	Canal/Ditch	35.82032	-118.4654	1.93	24,877	N/A	1,895	On Site	1	746	1.93	1.34	On Site	1	1.34	AGS, TRD, PRO, BEO, I, BEO-2, WMA, MDC, MARE, OWR	58L2	18000012	San Joaquin River	Tulare-Deer Valley Lakes	CP 2/3
TBD	3182OW03	Canal/Ditch	35.82222	-118.4639	0.52	6,488	N/A	1,394	On Site	1	0	0.52	0.00	On Site	1	0.00	AGS, TRD, PRO, BEO, I, BEO-2, WMA, MDC, MARE, OWR	58L2	18000012	San Joaquin River	Tulare-Deer Valley Lakes	CP 2/3
TBD	3182OW01	Canal/Ditch	35.82084	-118.4707	0.85	12,215	N/A	5,154	On Site	1	0	0.85	0.00	On Site	1	0.00	AGS, TRD, PRO, BEO, I, BEO-2, WMA, MDC, MARE, OWR	58L2	18000012	San Joaquin River	Tulare-Deer Valley Lakes	CP 2/3
TBD	3182OW01	Canal/Ditch	35.82066	-118.4761	1.16	14,547	N/A	1,685	On Site	1	0	1.16	0.00	On Site	1	0.00	AGS, TRD, PRO, BEO, I, BEO-2, WMA, MDC, MARE, OWR	58L2	18000012	San Joaquin River	Tulare-Deer Valley Lakes	CP 2/3
TBD	3182OW02	Canal/Ditch	35.82064	-118.4683	0.01	124	N/A	52	On Site	1	0	0.01	0.00	On Site	1	0.00	AGS, TRD, PRO, BEO, I, BEO-2, WMA, MDC, MARE, OWR	58L2	18000012	San Joaquin River	Tulare-Deer Valley Lakes	CP 2/3

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permanent Average Impacts	Volume of Fill (CY)	Average Susceptibility - 1/100 Year Flood	Permanent Linear Foot Impacts	Permanent Mitigation Locations	Permanent Mitigation Material	Temporary Linear Foot Impacts	Permanent Mitigation Average	Temporary Mitigation Average	Temporary Mitigation Locations	Temporary Mitigation Material	Temporary Mitigation Average	Basin ID	USGS HUC	Reach	Whetzel	Construction Package
TBD	30650W03	Canal/Drain	35.69415	-115.4525	0.41	7985	N/A	3,493	On Site	1	80	0.41	0.04	On Site	WANA, WELD, WMLC, CWR	0.04	58L2	18600012	San Joaquin River	Tulare-Bureau West Lakes	CP 2/J
TBD	30650W04	Canal/Drain	35.69641	-115.4548	0.00	0	N/A	0	On Site	1	88	0.00	0.03	On Site	WANA, WELD, WMLC, CWR	0.03	58L2	18600012	San Joaquin River	Tulare-Bureau West Lakes	CP 2/J
TBD	30150W01	Canal/Drain	36.00739	-115.4935	0.32	4,125	N/A	642	On Site	1	107	0.32	0.03	On Site	WANA, WELD, WMLC, CWR	0.03	58L2	18600012	San Joaquin River	Tulare-Bureau West Lakes	CP 2/J
TBD	30150W02	Canal/Drain	36.00622	-115.4917	0.34	4,400	N/A	600	On Site	1	85	0.34	0.04	On Site	WANA, WELD, WMLC, CWR	0.04	58L2	18600012	San Joaquin River	Tulare-Bureau West Lakes	CP 2/J
TBD	30150W03	Canal/Drain	36.00692	-115.4914	0.32	2,854	N/A	491	On Site	1	0	0.32	0.00	On Site	WANA, WELD, WMLC, CWR	0.00	58L2	18600012	San Joaquin River	Tulare-Bureau West Lakes	CP 2/J
TBD	29750W01	Canal/Drain	36.62174	-115.3833	0.39	5,084	N/A	811	On Site	1	72	0.39	0.03	On Site	WANA, WELD, WMLC, CWR	0.03	58L2	18600012	San Joaquin River	Tulare-Bureau West Lakes	CP 2/J
TBD	29650W02	Canal/Drain	36.62624	-115.3945	2.60	32,586	N/A	6,422	On Site	1	2366	2.60	0.62	On Site	WANA, WELD, WMLC, CWR	0.62	58L2	18600012	San Joaquin River	Tulare-Bureau West Lakes	CP 2/J
TBD	29650W01	Canal/Drain	36.63033	-115.3352	0.31	3,240	N/A	1,254	On Site	1	0	0.31	0.07	On Site	WANA, WELD, WMLC, CWR	0.07	58L2	18600012	San Joaquin River	Tulare-Bureau West Lakes	CP 2/J
TBD	28950W01	Canal/Drain	36.63709	-115.3144	0.00	33	N/A	0	On Site	1	0	0.00	0.00	On Site	WANA, WELD, WMLC, CWR	0.00	58L2	18600012	San Joaquin River	Tulare-Bureau West Lakes	CP 2/J
TBD	28950W02	Canal/Drain	36.63602	-115.3131	0.00	0	N/A	0	On Site	1	36	0.00	0.01	On Site	WANA, WELD, WMLC, CWR	0.01	58L2	18600012	San Joaquin River	Tulare-Bureau West Lakes	CP 2/J

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permanent Average Impacts	Volume of PM (CF)	Average Inflow/Outflow - Yards/Week	Permanent Linear Feet Impacts	Permanent Mitigation Location	Permanent Mitigation Ratio a:1	Temporary Linear Feet Impacts	Permanent Mitigation Ratio a:1	Temporary Mitigation Location	Temporary Mitigation Ratio a:1	Temporary Mitigation Average	Basin Size (MG)	URBS IDUC	Receiving Facility	Waterbody	Construction Package
TBD	ZP00W02	Canal/Ditch	36.9409	-119.5128	0.00	0	N/A	0	On Site	1	57	1	On Site	1	0.02	558.2	18030012	San Joaquin River	Upper Kern	CP-27
TBD	Z100W02	Canal/Ditch	36.9408	-119.5194	0.27	4,716	N/A	2,115	On Site	1	0	1	On Site	1	0.28	558.2	18030006	San Joaquin River	Upper Kern	CP-27
TBD	PP00W0	Canal/Ditch	36.9407	-119.5208	0.05	32	N/A	330	On Site	1	321	1	On Site	1	0.01	558.2	18030007	San Joaquin River	Upper Kern	CP-27
TBD	CE01SWW	Canal/Ditch	36.9453	-119.5275	0.20	2,574	N/A	414	On Site	1	0	1	On Site	1	0.00	558.2	18030007	San Joaquin River	Upper Kern	CP-27
TBD	CE01SWW	Canal/Ditch	36.9716	-119.5205	0.13	1,822	N/A	232	On Site	1	140	1	On Site	1	0.07	558.2	18030007	San Joaquin River	Upper Kern	CP-27
TBD	4130W02	Canal/Ditch	36.9696	-119.5281	0.13	1,716	N/A	847	On Site	1	0	1	On Site	1	0.00	558.2 / 558.3	18030007	San Joaquin River	Upper Kern	CP-27
TBD	CE01SWW	Canal/Ditch	36.1083	-119.5502	0.17	2,182	N/A	172	On Site	1	334	1	On Site	1	0.27	558.3	18030007	San Joaquin River	Upper Kern	CP-27
TBD	CE01SWW	Canal/Ditch	36.1095	-119.5594	0.01	183	N/A	36	On Site	1	0	1	On Site	1	0.00	558.3	18030007	San Joaquin River	Upper Kern	CP-27
TBD	CE01SWW	Canal/Ditch	36.1095	-119.5586	0.13	1,662	N/A	396	On Site	1	208	1	On Site	1	0.12	558.3	18030007	San Joaquin River	Upper Kern	CP-27
TBD	2562W02	Canal/Ditch	36.1199	-119.5594	0.23	2,805	N/A	483	On Site	1	139	1	On Site	1	0.06	558.3	18030007	San Joaquin River	Upper Kern	CP-27

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permanent Average Discharge	Volume of Fill (CF)	Average Impacts to Wetland Pools	Permanent Discharge Impacts	Permanent Discharge Impacts	Permanent Discharge Impacts	Temporary Discharge Impacts	Permanent Discharge Impacts	Temporary Discharge Impacts	Temporary Discharge Impacts	Temporary Discharge Impacts	Temporary Discharge Impacts	Temporary Discharge Impacts	USGS HUC	Reaching Wetland	Watershed	Construction Package
TBD	CEEP00W	Canal/Ditch	36.1316	-115.179	2.80	36,110	N/A	1,777	On Site	1	1653	2.80	0.05	On Site	1	0.05	ASL, BDL, PDL, REC-1, REC-2, WASH, WILD, FONG, WET	38020007	San Joaquin River	Upper Sanwash	CP217
TBD	SD00W1	Canal/Ditch	36.1319	-115.176	0.15	1,091	N/A	506	On Site	1	269	0.15	0.05	On Site	1	0.05	ASL, BDL, PDL, REC-1, REC-2, WASH, WILD, FONG, WET	38020007	San Joaquin River	Upper Sanwash	CP217
TBD	Z4610W1	Canal/Ditch	36.1349	-115.170	0.86	11,145	N/A	646	On Site	1	242	0.86	0.39	On Site	1	0.39	ASL, BDL, PDL, REC-1, REC-2, WASH, WILD, FONG, WET	38020007	San Joaquin River	Upper Sanwash	CP217
TBD	CEEP00W	Canal/Ditch	36.1367	-115.162	0.88	97	N/A	166	On Site	1	52	0.88	0.02	On Site	1	0.02	ASL, BDL, PDL, REC-1, REC-2, WASH, WILD, FONG, WET	38020007	San Joaquin River	Upper Sanwash	CP217
TBD	CEEP00W	Canal/Ditch	36.1376	-115.165	0.32	4,128	N/A	329	On Site	1	137	0.32	0.15	On Site	1	0.15	ASL, BDL, PDL, REC-1, REC-2, WASH, WILD, FONG, WET	38020007	San Joaquin River	Upper Sanwash	CP217
TBD	CEEP00W	Canal/Ditch	36.1383	-115.168	0.33	6,792	N/A	331	On Site	1	146	0.33	0.21	On Site	1	0.21	ASL, BDL, PDL, REC-1, REC-2, WASH, WILD, FONG, WET	38020007	San Joaquin River	Upper Sanwash	CP217
TBD	CEEP00W	Canal/Ditch	36.1391	-115.162	0.39	7,408	N/A	533	On Site	1	90	0.39	0.09	On Site	1	0.09	ASL, BDL, PDL, REC-1, REC-2, WASH, WILD, FONG, WET	38020007	San Joaquin River	Upper Sanwash	CP217
TBD	SD00W1	Canal/Ditch	36.1374	-115.161	0.00	52	N/A	0	On Site	1	246	0.00	0.11	On Site	1	0.11	ASL, BDL, PDL, REC-1, REC-2, WASH, WILD, FONG, WET	38020007	San Joaquin River	Upper Sanwash	CP217
TBD	CEEP00W	Canal/Ditch	36.1392	-115.161	0.40	5,185	N/A	1,043	On Site	1	166	0.40	0.06	On Site	1	0.06	ASL, BDL, PDL, REC-1, REC-2, WASH, WILD, FONG, WET	38020007	San Joaquin River	Upper Sanwash	CP217
TBD	CEEP00W	Canal/Ditch	36.1317	-115.168	0.33	1,708	N/A	248	On Site	1	125	0.33	0.06	On Site	1	0.06	ASL, BDL, PDL, REC-1, REC-2, WASH, WILD, FONG, WET	38020012	San Joaquin River	Thames-River West Lake	CP217

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Waters Name	Type	Latitude	Longitude	Permanent Acquire Impacts	Volume of Fill (CY)	Average Inflow/Outflow - Vertical Peak	Permanent Linear Peak Impacts	Permanent Mitigation Location	Permanent Mitigation Ratio (1:1)	Temporary Linear Peak Impacts	Permanent Mitigation Acquire	Temporary Mitigation Acquire Impacts	Temporary Mitigation Location	Temporary Mitigation Ratio (1:1)	Temporary Mitigation Acquire	Beneficial Uses	Reach	USFS HUC	Reach this HUC	County
TBD	CE090W	Canal/Ditch	36.18199	-118.697	0.11	1,412	N/A	272	On Site	1	180	0.11	0.05	On Site	1	0.05	AGL, IRO, PRO, MED, REC, NAME, OWR	San Joaquin River	18030012	558.1	Yuba County
TBD	5130W13	Canal/Ditch	36.18997	-118.6508	0.09	1,202	N/A	225	On Site	1	60	0.09	0.02	On Site	1	0.02	AGL, IRO, PRO, MED, REC, NAME, OWR	San Joaquin River	18030012	558.3	Yuba County
TBD	CE270W	Canal/Ditch	36.18917	-118.623	0.00	0	N/A	0	On Site	1	42	0.00	0.02	On Site	1	0.02	AGL, IRO, PRO, MED, REC, NAME, OWR	San Joaquin River	18030012	558.3	Yuba County
TBD	CE080W	Canal/Ditch	36.18834	-118.6167	0.05	631	N/A	187	On Site	1	0	0.05	0.00	On Site	1	0.00	AGL, IRO, PRO, MED, REC, NAME, OWR	San Joaquin River	18030013	558.3	Yuba County
TBD	CE050W	Canal/Ditch	36.18837	-118.6133	0.06	620	N/A	135	On Site	1	55	0.06	0.02	On Site	1	0.02	AGL, IRO, PRO, MED, REC, NAME, OWR	San Joaquin River	18030012	558.3	Yuba County
TBD	AB011WLD-2027B	Canal/Ditch	35.82846	-118.4116	0.00	315	N/A	0.00	On Site	1	46.70	0.00	0.01	On Site	1	0.01	AGL, IRO, PRO, MED, REC, NAME, OWR	Upper Down-Yuba	18030005	558.2	Yuba County
TBD	AB011WLD-202C	Canal/Ditch	35.82846	-118.4116	0.02	317	N/A	285.21	On Site	1	0.00	0.02	0.00	On Site	1	0.00	AGL, IRO, PRO, MED, REC, NAME, OWR	Upper Down-Yuba	18030005	558.2	Yuba County
TBD	AB011WLD-2017D	Canal/Ditch	35.82716	-118.4115	0.002	43	N/A	32.36	On Site	1	0.00	0.002	0.00	On Site	1	0.00	AGL, IRO, PRO, MED, REC, NAME, OWR	Upper Down-Yuba	18030005	558.2	Yuba County
TBD	AB011WLD-2017E	Canal/Ditch	35.82522	-118.4113	0.01	271	N/A	241.18	On Site	1	0.00	0.01	0.00	On Site	1	0.00	AGL, IRO, PRO, MED, REC, NAME, OWR	Upper Down-Yuba	18030005	558.2	Yuba County
TBD	AB011WLD-2017F	Canal/Ditch	35.82533	-118.4114	0.005	46	N/A	212.49	On Site	1	15.63	0.005	0.00	On Site	1	0.00	AGL, IRO, PRO, MED, REC, NAME, OWR	Upper Down-Yuba	18030005	558.2	Yuba County

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permanent Average Impacts	Volume of Fill (Cy)	Average Sulfate/Bicarbonate/Total Hardness	Permanent Linear Feet Impacts	Permanent Mitigation Location	Permanent Mitigation Ratio 9:1	Temporary Linear Feet Impacts	Permanent Mitigation Average	Temporary Mitigation Average Impacts	Temporary Mitigation Location	Temporary Mitigation Ratio 9:1	Temporary Mitigation Average	Scrubline Uses	Media Plan HMC	USGS HMC	Revolving Waters	Watershed	Construction Package
TBD	A018WU1-0117G	Creek/Ditch	35.8546	-115.4113	0.04	41	N/A	52.3	On Site	1	0.00	0.04	0.00	On Site	1	0.00	AGS, IRS, P2, RECS, RECS, WASH, WELLS, TAME, ORN	55L2	1803095	San Joaquin River	Upper Deer Upper White	CF 2D
TBD	A018WU1-0117H	Creek/Ditch	35.8595	-115.4114	0.01	119	N/A	164.77	On Site	1	0.00	0.01	0.00	On Site	1	0.00	AGS, IRS, P2, RECS, RECS, WASH, WELLS, TAME, ORN	55L2	1803095	San Joaquin River	Upper Deer Upper White	CF 2D
TBD	A018WU1-0117I	Creek/Ditch	35.8539	-115.4111	0.05	617	N/A	754.09	On Site	1	0.00	0.05	0.00	On Site	1	0.00	AGS, IRS, P2, RECS, RECS, WASH, WELLS, TAME, ORN	55L2	1803095	San Joaquin River	Upper Deer Upper White	CF 2D
TBD	A018WU1-0117J	Creek/Ditch	35.8516	-115.4107	0.03	1,095	N/A	606.35	On Site	1	0.00	0.03	0.00	On Site	1	0.00	AGS, IRS, P2, RECS, RECS, WASH, WELLS, TAME, ORN	55L2	1803095	San Joaquin River	Upper Deer Upper White	CF 2D
TBD	A018WU1-0117K	Creek/Ditch	35.8498	-115.4105	0.03	2,072	N/A	623.35	On Site	1	36.30	0.03	0.04	On Site	1	0.04	AGS, IRS, P2, RECS, RECS, WASH, WELLS, TAME, ORN	55L2	1803095	San Joaquin River	Upper Deer Upper White	CF 2D
TBD	A01770WU1-0117	Creek/Ditch	35.7414	-115.4393	0.45		N/A	597.06	On Site	1	467.68	0.45	0.31	On Site	1	0.31	AGS, IRS, P2, RECS, RECS, WASH, WELLS, TAME, ORN	55L7	1803095	San Joaquin River	Upper Deer Upper White	CF 4
TBD	WHL000W1-0117	Creek/Ditch	35.8695	-115.4327	0.06		N/A	225.68	On Site	1	66.12	0.06	0.02	On Site	1	0.02	AGS, IRS, P2, RECS, RECS, WASH, WELLS, TAME, ORN	55L2	1803095	San Joaquin River	Upper Deer Upper White	CF 2D
TBD	A02070WU1-0117	Creek/Ditch	35.8274	-115.4196	0.07	4,052	N/A	776.41	On Site	1	0.00	0.07	0.00	On Site	1	0.00	AGS, IRS, P2, RECS, RECS, WASH, WELLS, TAME, ORN	55L1	1803095	San Joaquin River	Upper Deer Upper White	CF 2D
TBD	A02170WU1-0117	Creek/Ditch	35.8535	-115.4112	0.05	7,453	N/A	1504.70	On Site	1	66.07	0.05	0.00	On Site	1	0.00	AGS, IRS, P2, RECS, RECS, WASH, WELLS, TAME, ORN	55L2	1803095	San Joaquin River	Upper Deer Upper White	CF 2D
TBD	A02170WU1-0117	Creek/Ditch	35.8535	-115.4112	0.05		N/A	129.66	On Site	1	0.00	0.05	0.00	On Site	1	0.00	AGS, IRS, P2, RECS, RECS, WASH, WELLS, TAME, ORN	55L2	1803095	San Joaquin River	Upper Deer Upper White	CF 2D

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Wetland Name	Type	Latitude	Longitude	Permanent Acquire Impacts	Volume of Fill (CY)	Acquire - Vernal Pools	Permanent Linear Foot Impacts	Permanent Mitigation Ratio n:1	Permanent Mitigation Location	Permanent Mitigation Acquire	Temporary Linear Foot Impacts	Permanent Mitigation Ratio n:1	Temporary Mitigation Location	Temporary Mitigation Ratio n:1	Temporary Mitigation Acquire	Baseline Title	Basin Plan ID	DEIS IVC	Receiving Waters	Waterbody	Construction Package
TOTAL LAKE																						
					53.23	548,175	N/A	96,286	On Site	1	42.07	10,171	1	On Site	1	7.72						
WETLAND (EMERGENT WETLAND)																						
TBD	CD660V	Emergent Wetland	36.20248	-118.513	0.01	20	N/A	N/A	TBD	TBD	TBD	N/A	TBD	On Site	1	0.00	AGE, IRD, PLO, REC-1, REC-2, REC-3, REC-4, RABE, ORR	SBL1	1803002	San Joaquin River	Tulare Lake	CP-2/3
TOTAL WETLAND																						
					0.01	20	N/A	N/A	TBD	TBD	TBD	N/A	TBD	On Site	1	0.00						
LAKE / DETENTION BASINS																						
TBD	55560W1	Location	35.52192	-118.347	0.05	73	N/A	N/A	On Site	1	0.05	N/A	1	On Site	1	0.00	AGE, IRD, PLO, REC-1, REC-2, REC-3, REC-4, RABE, ORR	SBL2	1803004	San Joaquin River	Upper Pool	CP 4
TBD	078000W2	Location	35.52385	-118.3286	0.11	5,037	N/A	N/A	On Site	1	0.11	N/A	1	On Site	1	0.00	AGE, IRD, PLO, REC-1, REC-2, REC-3, REC-4, RABE, ORR	SBL3	1803004	San Joaquin River	Upper Pool	CP 4
TBD	11600W15	Location	35.52171	-118.3285	0.06	890	N/A	N/A	On Site	1	0.06	N/A	1	On Site	1	0.00	AGE, IRD, PLO, REC-1, REC-2, REC-3, REC-4, RABE, ORR	SBL3	1803004	San Joaquin River	Upper Pool	CP 4

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Where Here	Type	Latitude	Longitude	Permanent Average Impacts	Volume of PB (Ct)	Average Substratum-Associated Organisms	Permanent Linear Foot Impacts	Permanent Mitigation Ratio: 1:1	Temporary Linear Foot Impacts	Permanent Mitigation Ratio: 1:1	Permanent Average Impacts	Temporary Mitigation Ratio: 1:1	Temporary Mitigation Locations	Temporary Mitigation Ratio: 1:1	Temporary Average Impacts	Permanent Average Impacts	Temporary Linear Foot Impacts	Permanent Mitigation Ratio: 1:1	Temporary Linear Foot Impacts	Permanent Mitigation Ratio: 1:1	Permanent Average Impacts	Temporary Mitigation Ratio: 1:1	Temporary Mitigation Locations	Temporary Mitigation Ratio: 1:1	Temporary Average Impacts	Permanent Average Impacts	USBR RUC	Baseline RUC	USBR RUC	Routing Waters	Withdrawal	Construction # Package	
TBD	03E310W	Leachline	35.5849	-113.314	0.18	1,281	N/A	N/A	On Site	1	N/A	0.19	0.00	On Site	1	0.00	0.19	N/A	1	N/A	1	0.00	0.19	0.00	On Site	1	0.00	0.19	1803004	550.0	1803004	San Joaquin River	Upper Pool	CP-4
TBD	03E340W01	Leachline	35.5895	-113.315	0.00	0	N/A	N/A	On Site	1	N/A	0.00	0.00	On Site	1	0.00	0.00	N/A	1	N/A	1	0.00	0.00	0.00	On Site	1	0.00	0.00	1803004	550.0	1803004	San Joaquin River	Upper Pool	CP-4
TBD	03E340W02	Leachline	35.5719	-113.315	0.00	0	N/A	N/A	On Site	1	N/A	0.00	0.00	On Site	1	0.24	0.00	N/A	1	N/A	1	0.24	0.00	0.00	On Site	1	0.24	0.00	1803004	550.0	1803004	San Joaquin River	Upper Pool	CP-4
TBD	03E340W01	Leachline	35.5719	-113.327	0.00	0	N/A	N/A	On Site	1	N/A	0.00	0.00	On Site	1	0.13	0.00	N/A	1	N/A	1	0.13	0.00	0.00	On Site	1	0.13	0.00	1803004	550.0	1803004	San Joaquin River	Upper Pool	CP-4
TBD	03E340W02	Leachline	35.5772	-113.315	0.00	0	N/A	N/A	On Site	1	N/A	0.00	0.00	On Site	1	0.12	0.00	N/A	1	N/A	1	0.12	0.00	0.00	On Site	1	0.12	0.00	1803004	550.0	1803004	San Joaquin River	Upper Pool	CP-4
TBD	51270W01	Leachline	35.5844	-113.319	0.00	0	N/A	N/A	On Site	1	N/A	0.00	0.00	On Site	1	0.07	0.00	N/A	1	N/A	1	0.07	0.00	0.00	On Site	1	0.07	0.00	1803004	550.0	1803004	San Joaquin River	Upper Pool	CP-4
TBD	51270W02	Leachline	35.6081	-113.322	0.00	7	N/A	N/A	On Site	1	N/A	0.00	0.00	On Site	1	0.00	0.00	N/A	1	N/A	1	0.00	0.00	0.00	On Site	1	0.00	0.00	1803004	550.0	1803004	San Joaquin River	Upper Pool	CP-4
TBD	06E04W02	Leachline	35.6208	-113.334	0.19	3,097	N/A	N/A	On Site	1	N/A	0.19	0.00	On Site	1	0.00	0.19	N/A	1	N/A	1	0.00	0.00	0.00	On Site	1	0.00	0.00	1803004	550.0	1803004	San Joaquin River	Upper Pool	CP-4
TBD	06E04W01	Leachline	35.6272	-113.334	0.17	2,296	N/A	N/A	On Site	1	N/A	0.17	0.00	On Site	1	0.00	0.17	N/A	1	N/A	1	0.00	0.00	0.00	On Site	1	0.00	0.00	1803004	550.0	1803004	San Joaquin River	Upper Pool	CP-4
TBD	23E04W01	Leachline	35.6294	-113.305	0.04	661	N/A	N/A	On Site	1	N/A	0.04	0.00	On Site	1	0.00	0.04	N/A	1	N/A	1	0.00	0.00	0.00	On Site	1	0.00	0.00	1803004	550.0	1803004	San Joaquin River	Upper Pool	CP-4

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Wellbore Name	Type	Latitude	Longitude	Permitted Average Impacts	Volume of Fill (CF)	Average Duff/Block - Vertical Feet	Permitted Linear Foot Impacts	Permitted Mitigation Location	Permitted Mitigation Made u/L	Temporary Linear Foot Impacts	Permitted Mitigation Average	Temporary Mitigation Location	Temporary Mitigation Ratio u/L	Temporary Mitigation Average	Borehole Types	Block Plus UIC	USGS BNC	Reaching Section	Watermarked	Construction Package
TBD	8415DWB1	Location	35.65498	-118.37498	0.35	5,866	N/A	N/A	On Site	1	N/A	0.36	On Site	1	0.44	AGR, IDI, PRO, BECA, IMCO, WATERS, BANC, OHR	556.8	18030004	San Joaquin River	Upper Zone	CP 4
TBD	CCE13DWB	Location	35.70296	-118.375	0.00	32	N/A	N/A	On Site	1	N/A	0.00	On Site	1	0.00	AGR, IDI, PRO, BECA, IMCO, WATERS, BANC, OHR	556.7	18030005	San Joaquin River	Upper Zone	CP 4
TBD	AR446DWB1	Location	35.72725	-118.36655	0.15	2,483	N/A	N/A	On Site	1	N/A	0.15	On Site	1	0.00	AGR, IDI, PRO, BECA, IMCO, WATERS, BANC, OHR	556.7	18030005	San Joaquin River	Upper Zone	CP 4
TBD	AR446DWB2	Location	35.72815	-118.36645	0.00	0	N/A	N/A	On Site	1	N/A	0.00	On Site	1	0.00	AGR, IDI, PRO, BECA, IMCO, WATERS, BANC, OHR	556.7	18030005	San Joaquin River	Upper Zone	CP 4
TBD	30000W46	Location	35.72696	-118.37496	0.11	3,499	N/A	N/A	On Site	1	N/A	0.11	On Site	1	0.00	AGR, IDI, PRO, BECA, IMCO, WATERS, BANC, OHR	556.7	18030005	San Joaquin River	Upper Zone	CP 4
TBD	AR446DWB1-207	Location	35.73384	-118.37253	0.46	30,895	N/A	N/A	On Site	1	N/A	0.46	On Site	1	0.00	AGR, IDI, PRO, BECA, IMCO, WATERS, BANC, OHR	556.7	18030005	San Joaquin River	Upper Zone	CP 4
TBD	3205DWB4	Location	35.70782	-118.37398	0.00	0	N/A	N/A	On Site	1	N/A	0.00	On Site	1	0.10	AGR, IDI, PRO, BECA, IMCO, WATERS, BANC, OHR	556.7	18030005	San Joaquin River	Upper Zone	CP 4
TBD	AR118DWB1	Location	35.64795	-118.41407	0.03	320	N/A	N/A	On Site	1	N/A	0.03	On Site	1	0.00	AGR, IDI, PRO, BECA, IMCO, WATERS, BANC, OHR	556.2	18030005	San Joaquin River	Upper Zone	CP 2/D
TBD	3485DWB1	Location	35.69413	-118.4172	19.83	326,044	N/A	N/A	On Site	1	N/A	19.83	On Site	1	0.30	AGR, IDI, PRO, BECA, IMCO, WATERS, BANC, OHR	556.2	18030005	San Joaquin River	Upper Zone	CP 2/D
TBD	4120DWB3	Location	35.5322	-118.4385	0.00	0	N/A	N/A	On Site	1	N/A	-0.00	On Site	1	0.03	AGR, IDI, PRO, BECA, IMCO, WATERS, BANC, OHR	556.2	18030005	San Joaquin River	Upper Zone	CP 2/D

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permanent Average Impacts	Volume of Fill (CY)	Average of Fill - Versus Pools	Permanent Linear Foot Impacts	Permanent Mitigation Ratio:1:1	Temporary Linear Foot Impacts	Permanent Mitigation Average	Temporary Average Impacts	Temporary Mitigation Locations	Temporary Mitigation Ratio:1:1	Temporary Mitigation Average	Beneficial Uses	Basin Plan HUC	USGS HUC	Reaching Waters	Watershed	Construction Package
TBD	3189DWL	Landscape	35.6182	-115.4264	0.00	14,915	N/A	N/A	0.00	1.00	0.00	1.00	On Site	1	1.00	AGL, IRO, PRO, WASH, WELD, WML, CRR	5562	3002005	See Joseph River	Upper Clear Upper White	CP 2/3
TBD	3150DWL	Landscape	35.5985	-115.472	0.01	205	N/A	N/A	0.01	0.00	0.01	0.00	On Site	1	0.00	AGL, IRO, PRO, WASH, WELD, WML, CRR	5562	3002005	See Joseph River	Upper Clear Upper White	CP 2/3
TBD	3090DWL	Landscape	35.59167	-115.4739	0.03	14,955	N/A	N/A	0.03	0.00	0.03	0.00	On Site	1	0.00	AGL, IRO, PRO, WASH, WELD, WML, CRR	5562	3002012	See Joseph River	Tidals-Basin West Lakes	CP 2/3
TBD	ACE10W	Landscape	36.0282	-115.5075	5.30	65,479	N/A	N/A	5.30	0.00	0.00	0.00	On Site	1	0.00	AGL, IRO, PRO, WASH, WELD, WML, CRR	5562	3002012	See Joseph River	Tidals-Basin West Lakes	CP 2/3
TBD	ACE13W	Landscape	36.03176	-115.5094	0.15	2,464	N/A	N/A	0.15	0.00	0.15	0.00	On Site	1	0.00	AGL, IRO, PRO, WASH, WELD, WML, CRR	5562	3002012	See Joseph River	Tidals-Basin West Lakes	CP 2/3
TBD	ACE15W	Landscape	36.0313	-115.5089	1.20	19,332	N/A	N/A	1.20	0.00	0.00	0.00	On Site	1	0.00	AGL, IRO, PRO, WASH, WELD, WML, CRR	5562	3002012	See Joseph River	Tidals-Basin West Lakes	CP 2/3
TBD	Z100W03	Landscape	36.0433	-115.5176	0.00	2	N/A	N/A	0.00	0.00	0.00	0.00	On Site	1	0.00	AGL, IRO, PRO, WASH, WELD, WML, CRR	5562	3002006	See Joseph River	Upper Tule	CP 2/3
TBD	2860DWL	Landscape	36.0329	-115.5269	0.00	24	N/A	N/A	0.00	0.12	0.00	0.12	On Site	1	0.12	AGL, IRO, PRO, WASH, WELD, WML, CRR	5562	3002006	See Joseph River	Upper Tule	CP 2/3
TBD	2725/101	Landscape	36.0368	-115.5297	0.07	1,875	N/A	N/A	0.07	0.00	0.07	0.00	On Site	1	0.00	AGL, IRO, PRO, WASH, WELD, WML, CRR	5562	1800007	See Joseph River	Upper Kanwh	CP 2/3
TBD	5110DW	Landscape	36.0511	-115.5394	0.00	63	N/A	N/A	0.00	0.00	0.00	0.00	On Site	1	0.00	AGL, IRO, PRO, WASH, WELD, WML, CRR	5562	1800007	See Joseph River	Upper Kanwh	CP 2/3

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Waters Name	Type	Latitude	Longitude	Permanent Acreage Impacts	Volume of FBE (CY)	Acreage of FBE - Vernal Pools	Permanent Linear Foot Impacts	Permanent Impacts Location	Permanent Impacts Ratio to 1	Temporary Linear Foot Impacts	Permanent Impacts Acreage	Temporary Impacts Acreage	Temporary Impacts Location	Temporary Impacts Ratio to 1	Temporary Impacts Acreage	Beneficial Uses	Basic Data HUC	LEADS HUC	Reaching Waters	Watershed	Construction Package	
TBD	CCEBOW	Lowwater	36.1924	-115.5204	0.22	2,096	N/A	N/A	On Site	1	N/A	0.22	0.00	On Site	1	0.00	AGE, BRD, PRC, WASH, WTD, RME, GRP	58L3	1803007	San Joaquin River	Upper Kaweah	CP 2/3	
TBD	POHWL	Lowwater	36.1838	-115.5971	2.89	5,034	N/A	N/A	On Site	1	N/A	2.89	6.84	On Site	1	6.84	AGE, BRD, PRC, WASH, WTD, RME, GRP	58L3	1803007	San Joaquin River	Upper Kaweah	CP 2/3	
TOTAL LAKE					33.750	582,822	N/A	N/A	On Site	1	N/A	33.75	11.40	On Site	1	11.40							
<p><i>Handwritten:</i> + 1,670 25,576</p>																							
STREAM / SEASONAL RIVERLINE																							
TBD	CCEBOW	Seasonal/river	36.4515	-115.0296	0.00	0	N/A	21	TBD Watershed	TBD Watershed	20	TBD	0.03	On Site	1	0.03	AGE, BRD, PRC, WASH, WTD, RME, GRP	55L2	1803012	San Joaquin River	Tulare Basin Vernal Lakes	CP 2/3	
TBD	CCEBOW	Seasonal/river	36.4666	-115.0229	0.00	0	N/A	80	TBD Watershed	TBD Watershed	20	TBD	0.08	On Site	1	0.08	AGE, BRD, PRC, WASH, WTD, RME, GRP	55L2	1803012	San Joaquin River	Tulare Basin Vernal Lakes	CP 2/3	
TBD	CCEBOW	Seasonal/river	36.4109	-115.0117	0.09	12	N/A	207	TBD Watershed	TBD Watershed	0	TBD	0.11	On Site	1	0.11	AGE, BRD, PRC, WASH, WTD, RME, GRP	55L9	1803012	San Joaquin River	Tulare Basin Vernal Lakes	CP 2/3	
TBD	CCEBOW	Seasonal/river	36.3216	-115.0409	0.24	286	N/A	111	TBD Watershed	TBD Watershed	0	TBD	0.00	On Site	1	0.00	AGE, BRD, PRC, WASH, WTD, RME, GRP	58L1	1803012	San Joaquin River	Tulare Basin Vernal Lakes	CP 2/3	
TBD	CCEBOW	Seasonal/river	36.3106	-115.0202	0.18	572	N/A	64	TBD Watershed	TBD Watershed	0	TBD	0.00	On Site	1	0.00	AGE, BRD, PRC, WASH, WTD, RME, GRP	58L1	1803012	San Joaquin River	Tulare Basin Vernal Lakes	CP 2/3	

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Basin	Type	Latitude	Longitude	Permanent Average Impacts	Volume of Fill (CY)	Average Subaqueous Footprint - Permanent	Permanent Linear Foot Impacts	Permanent Mitigation Locations	Permanent Mitigation Bank/Fill	Temporary Linear Foot Impacts	Permanent Mitigation Average	Temporary Mitigation Average	Permanent Mitigation Locations	Temporary Mitigation Locations	Temporary Mitigation Bank/Fill	Temporary Mitigation Average	Beneficial Uses	Reach Plan RMC	USGS HUC	Reaching Wetland	Waterbodies	Construction a Percentage			
TBD	CCELOW	Seasonal Wetland	36.3331	-115.6162	1.43	5,272	N/A	1,657	TBD Wetland	2	0	2.24	0.06	On Site	On Site	1	0.00	AGS, BWS, RDS, RECS, MCO, WAPAS, WLD, BAGE, GWR	SS.1	1803002	San Joaquin River	Tulare Basin Vernal Pools	CP 27			
TBD	CCEPOM	Seasonal Wetland	36.1792	-115.6079	0.06	0	N/A	0	TBD Wetland	1	0.29	0.08	0.02	On Site	On Site	1	0.02	AGS, BWS, RDS, RECS, MCO, WAPAS, WLD, BAGE, GWR	SS.3	1803007	San Joaquin River	Upper Klamath	CP 23			
TBD	2000W05	Seasonal Wetland	36.0064	-115.5163	0.02	70	N/A	110	TBD Wetland	TBD Wetland	25	TBD	0.17	On Site	On Site	1	0.17	AGS, BWS, RDS, RECS, MCO, WAPAS, WLD, BAGE, GWR	SS.2	1803006	San Joaquin River	Upper Tule	CP 19			
TBD	3370W01	Seasonal Wetland	35.9208	-115.6287	0.06	6	N/A	89	TBD Wetland	TBD Wetland	22	TBD	0.04	On Site	On Site	1	0.04	AGS, BWS, RDS, RECS, MCO, WAPAS, WLD, BAGE, GWR	SS.2	1803005	San Joaquin River	Upper Deer Upper White	CP 23			
TBD	4780W01	Seasonal Wetland	35.6468	-115.3336	0.11	6	N/A	209	TBD Wetland	TBD Wetland	0	TBD	0.02	On Site	On Site	1	0.02	AGS, BWS, RDS, RECS, MCO, WAPAS, WLD, BAGE, GWR	SS.7	1803004	San Joaquin River	Upper Pinn	CP 4			
TOTAL STREAM																										
															On Site	1	0.49					0.49				
WETLAND / SEASONAL WETLAND																										
TBD	A002LAW 01	Seasonal Wetland	35.9313	-115.4379	0.03	41	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.00	On Site	On Site	1	0.00	AGS, BWS, RDS, RECS, MCO, WAPAS, WLD, BAGE, GWR	SS.2	1803005	San Joaquin River	Upper Deer Upper White	CP 27			
TBD	A003LAW 01	Seasonal Wetland	35.9284	-115.4289	0.39	64	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.03	On Site	On Site	1	0.03	AGS, BWS, RDS, RECS, MCO, WAPAS, WLD, BAGE, GWR	SS.2	1803005	San Joaquin River	Upper Deer Upper White	CP 23			

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permanent Average Impacts	Volume of Fill (CY)	Average Shallow-Bottom Vertical Subsidence	Permanent Linear Foot Impacts	Permanent Mitigation Location	Permanent Mitigation Ratio to L	Temporary Linear Foot Impacts	Permanent Mitigation Average	Temporary Mitigation Average Impacts	Temporary Mitigation Location	Temporary Mitigation Ratio to L	Temporary Mitigation Average	Beneficial Uses	Bankfill Impacts	Upper RMC	Receiving Facility	Waterbody	Construction in Proximity
TBD	2807WL01	Seasonal Irrigated	36.94832	-115.5291	0.01	23	N/A	N/A	TBD Waterbank	TBD Waterbank	N/A	TBD	0.28	On Site	1	0.28	AGR, IBD, PRO, RES-1, RES-2, RES-3, RES-4, RES-5, WASTE, WWT, MANG, CWR	566.2	18030006	San Joaquin River	Upper Tub	CP-2/0
TBD	2807WL02	Seasonal Irrigated	36.94777	-115.52	0.01	19	N/A	N/A	TBD Waterbank	TBD Waterbank	N/A	TBD	0.00	On Site	1	0.00	AGR, IBD, PRO, RES-1, RES-2, RES-3, RES-4, RES-5, WASTE, WWT, MANG, CWR	566.2	18030006	San Joaquin River	Upper Tub	CP-2/0
TBD	2807WL03	Seasonal Irrigated	36.94638	-115.5189	0.00	0	N/A	N/A	TBD Waterbank	TBD Waterbank	N/A	TBD	0.42	On Site	1	0.42	AGR, IBD, PRO, RES-1, RES-2, RES-3, RES-4, RES-5, WASTE, WWT, MANG, CWR	566.2	18030006	San Joaquin River	Upper Tub	CP-2/0
TBD	2807WL04	Seasonal Irrigated	36.94006	-115.5136	0.00	0	N/A	N/A	TBD Waterbank	TBD Waterbank	N/A	TBD	0.01	On Site	1	0.01	AGR, IBD, PRO, RES-1, RES-2, RES-3, RES-4, RES-5, WASTE, WWT, MANG, CWR	566.2	18030012	San Joaquin River	Upper-Tubes Main Lateral	CP-2/0
TBD	2807WL02	Seasonal Irrigated	36.94001	-115.5142	0.00	0	N/A	N/A	TBD Waterbank	TBD Waterbank	N/A	TBD	0.02	On Site	1	0.02	AGR, IBD, PRO, RES-1, RES-2, RES-3, RES-4, RES-5, WASTE, WWT, MANG, CWR	566.2	18030012	San Joaquin River	Upper-Tubes Main Lateral	CP-2/0
TBD	2807WL11	Seasonal Irrigated	36.93793	-115.5143	0.02	37	N/A	N/A	TBD Waterbank	TBD Waterbank	N/A	TBD	8.00	On Site	1	8.00	AGR, IBD, PRO, RES-1, RES-2, RES-3, RES-4, RES-5, WASTE, WWT, MANG, CWR	566.2	18030012	San Joaquin River	Upper-Tubes Main Lateral	CP-2/0
TBD	2807WL03	Seasonal Irrigated	36.93781	-115.5128	0.00	0	N/A	N/A	TBD Waterbank	TBD Waterbank	N/A	TBD	0.04	On Site	1	0.04	AGR, IBD, PRO, RES-1, RES-2, RES-3, RES-4, RES-5, WASTE, WWT, MANG, CWR	566.2	18030012	San Joaquin River	Upper-Tubes Main Lateral	CP-2/0
TBD	2807WL01	Seasonal Irrigated	36.93253	-115.4996	0.24	311	N/A	N/A	TBD Waterbank	TBD Waterbank	N/A	TBD	0.00	On Site	1	0.00	AGR, IBD, PRO, RES-1, RES-2, RES-3, RES-4, RES-5, WASTE, WWT, MANG, CWR	566.2	18030012	San Joaquin River	Upper-Tubes Main Lateral	CP-2/0
TBD	30185WL02	Seasonal Irrigated	36.89111	-115.492	0.00	81	N/A	N/A	TBD Waterbank	TBD Waterbank	N/A	TBD	0.00	On Site	1	0.00	AGR, IBD, PRO, RES-1, RES-2, RES-3, RES-4, RES-5, WASTE, WWT, MANG, CWR	566.2	18030012	San Joaquin River	Upper-Tubes Main Lateral	CP-2/0
TBD	30185WL03	Seasonal Irrigated	36.89051	-115.4919	0.02	29	N/A	N/A	TBD Waterbank	TBD Waterbank	N/A	TBD	0.00	On Site	1	0.00	AGR, IBD, PRO, RES-1, RES-2, RES-3, RES-4, RES-5, WASTE, WWT, MANG, CWR	566.2	18030012	San Joaquin River	Upper-Tubes Main Lateral	CP-2/0

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permanent Average Impacts	Volume of BR (CY)	Average Sufficiently Small - Versus Pool	Permanent Linear Feet Impacts	Permanent Mitigation Location	Permanent Mitigation Schedule	Temporary Linear Feet Impacts	Permanent Mitigation Average	Temporary Mitigation Average	Temporary Mitigation Schedule	Temporary Mitigation Location	Temporary Mitigation Schedule	Baseline Plan RMC	USGS HUC	Reaching Mitigations	Waterbody	Coordinate a Package
TBD	30620W04	Seasonal/Inflow	35.0098	-115.4954	0.01	35	N/A	N/A	TBD/Meander	TBD/Meander	N/A	TBD	0.08	1	0.18a	0.18a	55L2	1603012	See Appendix B	Tuber-Brown Vets Lake	CP 2J
TBD	30620W05	Seasonal/Inflow	35.00817	-115.4933	0.00	6	N/A	N/A	TBD/Meander	TBD/Meander	N/A	TBD	0.08	1	0.18a	0.18a	55L2	1603012	See Appendix B	Tuber-Brown Vets Lake	CP 2J
TBD	30620W06	Seasonal/Inflow	35.00816	-115.4954	0.00	1	N/A	N/A	TBD/Meander	TBD/Meander	N/A	TBD	0.08	1	0.18a	0.18a	55L2	1603012	See Appendix B	Tuber-Brown Vets Lake	CP 2J
TBD	30620W11	Seasonal/Inflow	35.00833	-115.4921	0.00	0	N/A	N/A	TBD/Meander	TBD/Meander	N/A	TBD	0.02	1	0.18a	0.18a	55L2	1603012	See Appendix B	Tuber-Brown Vets Lake	CP 2J
TBD	30620W09	Seasonal/Inflow	35.0082	-115.492	0.00	0	N/A	N/A	TBD/Meander	TBD/Meander	N/A	TBD	0.03	1	0.18a	0.18a	55L2	1603012	See Appendix B	Tuber-Brown Vets Lake	CP 2J
TBD	30620W08	Seasonal/Inflow	35.0099	-115.4927	0.00	0	N/A	N/A	TBD/Meander	TBD/Meander	N/A	TBD	0.02	1	0.18a	0.18a	55L2	1603012	See Appendix B	Tuber-Brown Vets Lake	CP 2J
TBD	30620W02	Seasonal/Inflow	35.0051	-115.4954	0.00	3	N/A	N/A	TBD/Meander	TBD/Meander	N/A	TBD	0.08	1	0.18a	0.18a	55L2	1603012	See Appendix B	Tuber-Brown Vets Lake	CP 2J
TBD	30620W04	Seasonal/Inflow	35.0031	-115.4933	0.01	9	N/A	N/A	TBD/Meander	TBD/Meander	N/A	TBD	0.00	1	0.18a	0.18a	55L2	1603012	See Appendix B	Tuber-Brown Vets Lake	CP 2J
TBD	30620W03	Seasonal/Inflow	35.0024	-115.4954	0.04	72	N/A	N/A	TBD/Meander	TBD/Meander	N/A	TBD	0.00	1	0.18a	0.18a	55L2	1603012	See Appendix B	Tuber-Brown Vets Lake	CP 2J
TBD	30620W05	Seasonal/Inflow	35.0032	-115.4933	0.01	18	N/A	N/A	TBD/Meander	TBD/Meander	N/A	TBD	0.00	1	0.18a	0.18a	55L2	1603012	See Appendix B	Tuber-Brown Vets Lake	CP 2J

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Wetland Name	Type	Latitude	Longitude	Permanent Average Impacts	Volume of Fill (CY)	Average Shaded/Blacked - Vertical Feet	Permanent Linear Foot Impacts	Permanent Mitigation Location	Permanent Mitigation Ratio n:1	Temporary Linear Foot Impacts	Permanent Average Impacts	Temporary Average Impacts	Temporary Mitigation Location	Temporary Mitigation Ratio n:1	Temporary Mitigation Average Impacts	Base Data Lines	Bank, Min HUC	USBR HUC	Reaching Waters	Wetland of	Consentable in Package					
TBD	30629W04	Seasonal Wetland	35.9192	-119.4613	0.02	33	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.00	On Site	1	0.00	AGE, BDO, PRO, MED, BDO, WASH, WALS, NAME, OWR	588.2	18030012	San Joaquin River	Tulare-Yuba Wetlands	CP-2/J					
TBD	30629W07	Seasonal Wetland	35.9088	-119.4611	0.01	12	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.00	On Site	1	0.00	AGE, BDO, PRO, MED, BDO, WASH, WALS, NAME, OWR	588.2	18030012	San Joaquin River	Tulare-Yuba Wetlands	CP-2/J					
TBD	30629W08	Seasonal Wetland	35.9197	-119.461	0.02	42	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.00	On Site	1	0.00	AGE, BDO, PRO, MED, BDO, WASH, WALS, NAME, OWR	588.2	18030012	San Joaquin River	Tulare-Yuba Wetlands	CP-2/J					
TBD	30629W09	Seasonal Wetland	35.9146	-119.4589	0.03	44	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.00	On Site	1	0.00	AGE, BDO, PRO, MED, BDO, WASH, WALS, NAME, OWR	588.2	18030012	San Joaquin River	Tulare-Yuba Wetlands	CP-2/J					
TBD	3120W01	Seasonal Wetland	35.9717	-119.4648	0.32	99	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.00	On Site	1	0.00	AGE, BDO, PRO, MED, BDO, WASH, WALS, NAME, OWR	588.2	18030012	San Joaquin River	Tulare-Yuba Wetlands	CP-2/J					
TBD	3180W01	Seasonal Wetland	35.9633	-119.4618	0.40	0	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.01	On Site	1	0.01	AGE, BDO, PRO, MED, BDO, WASH, WALS, NAME, OWR	588.2	18030012	San Joaquin River	Tulare-Yuba Wetlands	CP-2/J					
TBD	3180W01	Seasonal Wetland	35.9633	-119.4646	0.18	298	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.22	On Site	1	0.22	AGE, BDO, PRO, MED, BDO, WASH, WALS, NAME, OWR	588.2	18030012	San Joaquin River	Tulare-Yuba Wetlands	CP-2/J					
TBD	3180W01	Seasonal Wetland	35.9694	-119.4669	0.14	210	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.00	On Site	1	0.00	AGE, BDO, PRO, MED, BDO, WASH, WALS, NAME, OWR	588.2	18030012	San Joaquin River	Tulare-Yuba Wetlands	CP-2/J					
TBD	3230W01	Seasonal Wetland	35.9633	-119.4671	0.02	34	N/A	N/A	TBD Wetland	TBD Wetland	N/A	TBD	0.01	On Site	1	0.01	AGE, BDO, PRO, MED, BDO, WASH, WALS, NAME, OWR	588.2	18030012	San Joaquin River	Upper-Tulare-Yuba Wetlands	CP-2/J					
TOTAL WETLAND / SEASONAL WETLAND																											
															1	1.09											

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Waters Name	Type	Latitude	Longitude	Permitted Average Impacts	Volume of Fill (cuy)	Average Sulfate/Bicarbonate - Vernal Pools	Permitted Linear Foot Impacts	Permitted Mitigation Location	Permitted Mitigation Acreage	Temporary Mitigation Location	Temporary Mitigation Acreage	Temporary Mitigation Location	Temporary Mitigation Acreage	Beneficial Uses	Bank Plan HUC	USDA HUC	Reaching Wetlands	Waterbodies	Construct in Package
TBD	CE21HWL	Vernal Pool and Swales	35.50289	-119.4795	MA	21	MA	MA	TBD Wetland	TBD	MA	MA	MA	MA	AG2, BFD, PBO, REC-3, REC-2, WMA3, WLD, WMA2, CTR	558.2	1802012	See Joseph River	Upper Down-Upper Wetlands	CP 213
TBD	AB317HWL-2017	Vernal Pool	35.50601	-119.4722	MA	189	0.0027965	MA	TBD Wetland	TBD	MA	MA	MA	MA	AG2, BFD, PBO, REC-3, REC-2, WMA3, WLD, WMA2, CTR	558.2	1802005	See Joseph River	Upper Down-Upper Wetlands	CP 213
TBD	AB317HWL-2017	Vernal Pool	35.50677	-119.4719	MA	229	0.00270266	MA	TBD Wetland	TBD	MA	MA	MA	MA	AG2, BFD, PBO, REC-3, REC-2, WMA3, WLD, WMA2, CTR	558.2	1802005	See Joseph River	Upper Down-Upper Wetlands	CP 213
TBD	AB317HWL-2017	Vernal Pool	35.50694	-119.4721	MA	496	0.14322	MA	TBD Wetland	TBD	MA	MA	MA	MA	AG2, BFD, PBO, REC-3, REC-2, WMA3, WLD, WMA2, CTR	558.2	1802005	See Joseph River	Upper Down-Upper Wetlands	CP 213
TBD	AB317HWL-2017	Vernal Pool	35.50265	-119.4715	MA	177	0.00690	MA	TBD Wetland	TBD	MA	MA	MA	MA	AG2, BFD, PBO, REC-3, REC-2, WMA3, WLD, WMA2, CTR	558.2	1802005	See Joseph River	Upper Down-Upper Wetlands	CP 213
TBD	AB317HWL-2017	Vernal Pools	35.52711	-119.4728	MA	1,895	0.53411	MA	TBD Wetland	TBD	MA	MA	MA	MA	AG2, BFD, PBO, REC-3, REC-2, WMA3, WLD, WMA2, CTR	558.2	1802005	See Joseph River	Upper Down-Upper Wetlands	CP 213
TBD	AB317HWL-2017	Vernal Pools	35.52820	-119.4715	MA	327	0.00099	MA	TBD Wetland	TBD	MA	MA	MA	MA	AG2, BFD, PBO, REC-3, REC-2, WMA3, WLD, WMA2, CTR	558.2	1802005	See Joseph River	Upper Down-Upper Wetlands	CP 213
TBD	AB317HWL-2017	Vernal Pools	35.52749	-119.472	MA	32	0.00098	MA	TBD Wetland	TBD	MA	MA	MA	MA	AG2, BFD, PBO, REC-3, REC-2, WMA3, WLD, WMA2, CTR	558.2	1802005	See Joseph River	Upper Down-Upper Wetlands	CP 213

VERNAL POOLS AND SWALES

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permanent Average Impacts	Volume of FFI (cfs)	Average Hydraulic Head (ft) - Vernal Pools	Permanent Linear Foot Impacts	Permanent Mitigation Location	Permanent Mitigation Ratio s/f	Temporary Linear Foot Impacts	Permanent Mitigation Ratio s/f	Temporary Mitigation Location	Temporary Mitigation Ratio s/f	Temporary Mitigation Location	Temporary Mitigation Ratio s/f	Temporary Mitigation Location	Temporary Mitigation Ratio s/f	Bank Side MIC	USBR MIC	Reaching Rivers	Watershed	Construct in Package															
TBD	AR2017P511A	Vernal Pool	35.85837	-118.4116	0.01	290	0.0025	N/A	TBD/Watershed	TBD Watershed	N/A	TBD	N/A	N/A	N/A	N/A	N/A	N/A	ESL2	18030005	San Joaquin River	Upper Deerwater Waters	CP-2/3															
TBD	AR2017P512	Vernal Pool	35.85535	-118.4112	0.02	568	0.36644	N/A	TBD/Watershed	TBD Watershed	N/A	TBD	N/A	N/A	N/A	N/A	N/A	N/A	ESL2	18030005	San Joaquin River	Upper Deerwater Waters	CP-2/3															
TBD	AR2017P511	Vernal Pool	35.85887	-118.4115	0.02	57	0	N/A	TBD/Watershed	TBD Watershed	N/A	TBD	N/A	N/A	N/A	N/A	N/A	N/A	ESL2	18030005	San Joaquin River	Upper Deerwater Waters	CP-2/3															
TBD	AR2017P513	Vernal Pool	35.85556	-118.4115	0.08	279	0.00727	N/A	TBD/Watershed	TBD Watershed	N/A	TBD	N/A	N/A	N/A	N/A	N/A	N/A	ESL2	18030005	San Joaquin River	Upper Deerwater Waters	CP-2/3															
TBD	AR2017P526	Vernal Pool	35.85097	-118.4107	0.01	16	0.00060	N/A	TBD/Watershed	TBD Watershed	N/A	TBD	N/A	N/A	N/A	N/A	N/A	N/A	ESL2	18030005	San Joaquin River	Upper Deerwater Waters	CP-2/3															
TBD	AR2017P526	Vernal Pool	35.85617	-118.4120	0.01	46	0.00060	N/A	TBD/Watershed	TBD Watershed	N/A	TBD	N/A	N/A	N/A	N/A	N/A	N/A	ESL2	18030005	San Joaquin River	Upper Deerwater Waters	CP-2/3															
TBD	AR2017P527	Vernal Pool	35.85836	-118.3820	0.00	28	0.00278	N/A	TBD/Watershed	TBD Watershed	N/A	TBD	N/A	N/A	N/A	N/A	N/A	N/A	ESL7	18030005	San Joaquin River	Upper Deerwater Waters	CP-4															
TBD	AR2017P526	Vernal Pool	35.84233	-118.3826	0.00	13	0.00060	N/A	TBD/Watershed	TBD Watershed	N/A	TBD	N/A	N/A	N/A	N/A	N/A	N/A	ESL7	18030005	San Joaquin River	Upper Deerwater Waters	CP-4															
TOTAL VERNAL POOLS AND SWALES																	0.00	1	On Site	0.00	1	0.00	TBD	N/A	TBD	0.41	4,252	0.93	N/A	TBD	N/A	TBD	0.00	0.00				

Table 2 (continued): Impacts to Waters for PP1.b

Anticipated Year of Construction	Water Name	Type	Latitude	Longitude	Permanent Acreage Impacts	Volume of Fill (CY)	Acreage Indirect Effect - Vernal Pools	Permanent Linear Foot Impacts	Permanent Mitigation Location	Permanent Mitigation Rule #1	Temporary Linear Foot Impacts	Permanent Mitigation Acreage	Temporary Direct Acreage Impacts	Temporary Mitigation Location	Temporary Mitigation Rule #1	Temporary Mitigation Acreage	Beneficial Use	Main Plan HVC	USGS HVC	Roading Window	Waterbody	Construction Package	
404/401 Water Body Type This category is subject to regulation under the Clean Water Act (CWA) 404 that requires the applicant to develop a permit for the proposed activity.					2.92							TBD	1.09	Note: For most features, mitigation acreage for permanent impacts TBD.									
404/401 Other Water Body Type This category is subject to regulation under the CWA Section 404 that requires the applicant to develop a permit for the proposed activity.					78.01							TBD	19.61	Note: For some features, mitigation acreage for permanent impacts TBD.									
Total					80.93							0.00	20.70								10.00		Total Direct Permanent, Temporary and Indirect Effect