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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 Merced to _____
Fresno Permitting Packages _____

Construction Package	Anticipated Year of Construction	Preliminary Jurisdictional Delineation (PJD) Data Point#	Waters Name	Type	Latitude	Longitude	Permanent Acreage Impacts	Volume of Fill (cy)	Acreage Indirect Bisect - Vernal Pools	Permanent Linear Foot Impacts	Permanent Mitigation Location	Permanent Mitigation Ratio n:1	Permanent Mitigation Acreage	Temporary Linear Foot Impacts	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
CANALS																							
CP1d	2017-2019	N/A	2101-2017	Canal	37.02506	-120.0806	0.00	0	N/A	0	N/A	1	0.00	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
TOTAL CANALS							0.00	0	N/A	0	N/A	1	0.00	N/A	0.00	N/A	1	0.00					
CONSTRUCTED BASIN																							
CP1d	2017-2019	N/A	11351-2017	Constructed Basin	37.02265	-120.074733	0.00	0	N/A	0	N/A	1	0.00	0	0.00	N/A	1	0.00	GWR, WARM, WILD, RARE.	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
TOTAL CONSTRUCTED BASIN							0.00	0	N/A	0	N/A	1	0.00	N/A	0.00	N/A	1	0.00					
NATURAL WATER COURSE																							
CP1d	2017-2019	28	5530-2017	Natural Watercourse	37.01011	-120.06138	0.15	746	N/A	170	TBD	1	0.15	65	0.04	On Site	1	0.04	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	34	11288-2017	Natural Watercourse	37.01030	-120.05286	0.04	173	N/A	45	TBD	1	0.04	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	N/A	11804-2017	Natural Watercourse	37.01781	-120.07522	0.00	0	N/A	0	TBD	1	0.00	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	33	11805-2017	Natural Watercourse	37.01975	-120.07353	0.16	775	N/A	312	TBD	1	0.16	510	0.21	On Site	1	0.21	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	N/A	2017-003	Natural Watercourse	37.01053	-120.05563	0.02	117	N/A	93	TBD	1	0.02	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
TOTAL NATURAL WATERCOURSE							0.37	1,810	N/A	620	TBD	1	0.37	575	0.25	On Site	1	0.25					
SEASONAL WETLAND																							
CP1d	2017-2019	1, 2	10711-2017	Seasonal Wetland	37.0226	-120.07550	0.54	1,742	N/A	552	TBD	1	0.54	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	21	2017-004	Seasonal Wetland	37.0025	-120.05590	0.11	350	N/A	95	TBD	1	0.11	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	9	2017-007	Seasonal Wetland	37.0001	-120.04816	0.06	200	N/A	197	TBD	1	0.06	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	11	2017-008	Seasonal Wetland	36.9971	-120.04453	0.18	571	N/A	390	TBD	1	0.18	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla

Construction Package	Anticipated Year of Construction	Preliminary Jurisdictional Delineation (PJD) Data Point#	Waters Name	Type	Latitude	Longitude	Permanent Acreage Impacts	Volume of Fill (cy)	Acreage Indirect Bisect - Vernal Pools	Permanent Linear Foot Impacts	Permanent Mitigation Location	Permanent Mitigation Ratio n:1	Permanent Mitigation Acreage	Temporary Linear Foot Impacts	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
CP1d	2017-2019	30	7068-2017B	Seasonal Wetland	37.0141	-120.06643	0.18	581	N/A	86	TBD	1	0.18	62	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
TOTAL SEASONAL WETLAND							1.07	3,443	N/A	1,320	TBD	1	1.07	62	0.00	N/A	1	0.00					

VERNAL POOLS

CP1d	2017-2019	18	5158-2017	Vernal Pool	37.00005	-120.04878	0.08	259	0.13	35	TBD	1.30	0.27	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	25	5516-2017	Vernal Pool	37.00822	-120.05832	0.02	67	0	45	TBD	1.30	0.03	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	26	5518-2017	Vernal Pool	37.00969	-120.05995	0.15	478	0	200	TBD	1.30	0.19	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	30	7068-2017A	Vernal Pool	37.01460	-120.06594	0.30	966	0	185	TBD	1.30	0.39	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	N/A	7270	Vernal Pool	37.02623	-120.07395	0.00	0	0	0	TBD	1.30	0.00	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	22	7309	Vernal Pool	37.00639	-120.05650	0.45	1,439	0	56	TBD	1.30	0.58	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	16	8315	Vernal Pool	36.99901	-120.04763	0.08	254	0.28	33	TBD	1.30	0.47	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	31, 32	8545	Vernal Pool	37.01385	-120.06517	0.05	162	0	52	TBD	1.30	0.07	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	N/A	9591	Vernal Pool	37.02663	-120.07525	0.00	0	0	0	TBD	1.30	0.00	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	23	10704	Vernal Pool	37.00630	-120.05667	0.21	679	0	45	TBD	1.30	0.27	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
CP1d	2017-2019	29	10706	Vernal Pool	37.01105	-120.06247	0.03	97	0.07	0	TBD	1.30	0.13	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla

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CP2	2017-2019	19, 20	2017-005	Vernal Pool	37.00348	-120.05280	0.04	142	0	46	TBD	1.30	0.06	0	0.00	N/A	1	0.00	AGR, IND, PRO, REC-1, REC-2, WARM, WILD, RARE, GWR	545.3	18040001	San Joaquin River	Middle San Joaquin - Lower Chowchilla
TOTAL VERNAL POOLS							1.41	4,542	0.48	697	TBD	1.30	2.45	0	0.00	N/A	1	0.00					

Total Section 401 Wetland Water Body Type The resources subject to regulation under the CWA Section 401 that comprise the wetland water body type in this certification consist of open water, seasonal wetland, and vernal pools.							2.47						3.52					0.00					
	Total Section 401 Other Waters Water Body Type The resources subject to regulation under the CWA Section 401 that comprise the "other waters" water body type in this certification consist of canals, constructed basin, and natural							0.37						0.37					0.25				
Total							2.85						3.89					0.25	Total Direct Permanent, Temporary and Indirect Bisect			3.10	