

## Summary Report: Results of CalTrans District 2 Stream Crossing Analysis

CalTrans Roadways were intersected with the National Hydrography Dataset High Resolution 1:24,000 scale hydrography, the CalHydro 1:100,000 scale hydrography, and the Central Valley Steelhead Distribution, for the purpose of estimating the numbers of Central Valley stream crossings within CalTrans District 2 that may require fish passage assessments. To define the project area, the Sacramento River was bounded by Keswick Dam to the north and the Caltrans District 2 boarder at the Glenn County line to the south. All streams within District 2 having a confluence with the Sacramento River below Keswick and Whiskeytown Dams were included in the analysis. No attempt was made to exclude other drainages that may be blocked to anadromy.

Resulting intersect points were compared to Steelhead and Winter-run Chinook ESU boundaries and sorted by position. The Steelhead and Chinook ESU boundaries were found to be identical within the project area. Streams outside of the ESU are less likely to be utilized by anadromous salmonids. In addition, many of the streams included in the analysis are located above known blockages.

CalTrans Route	Intersect 1:24,000 Hydrography			Intersect 1:100,000 Hydrography			Known Steelhead Stream Intersects
	Total 24K Xing	Inside ESU	Outside ESU	Total 100K Xing	InsideESU	OutsideESU	
5	92	92		53	53		9
32	39	39		16	16		1
36	154	129	25	73	56	17	7
44	39	39		22	22		5
49	5		5	3		3	
70	111		111	76		76	
89	52	2	50	26	1	25	
99	43	43		30	30		9
147	15		15	7		7	
151	5	5		6	6		
172	13	13		5	5		
273	21	21		12	12		5
284	12		12	6		6	
299	60	60		17	17		4
<b>Summary totals</b>	<b>661</b>	<b>443</b>	<b>218</b>	<b>352</b>	<b>218</b>	<b>134</b>	<b>40</b>