Modified Glenn-Colusa Irrigation District DEIR Table 3-6
Calculation of Stream Depletion as Percentage of Total Pumping Rate

25,000 gallons per minute maximum pumping rate
55.7 cubic feet per second maximum pumping rate

Stream	Maximum, cfs	Maximum % of 25K gpm[a]	Month/Year of Maximum	Time to Maximum, Years[b]	41 Year Average, cfs	41-Yr Average, % of Total Vol. Pumped[c]
Main Canal	14.4	25.9%(36.5%)	Jun-91	4.33	3.5	22.7%
Sac River	12.5	22.4%(31.7%)	Nov-92	5.75	4.2	27.3%
Stony Crk	11.6	20.8%(29.4%)	Oct-92	5.67	1.8	11.7%
Little Chico Crk	3	5.4%(7.6%)	Jan-93	5.92	0.5	3.2%
Big Chico Crk	1	1.8%(2.5%)	Apr-93	6.17	0.3	1.9%
Colusa Drain	0.9	1.6%(2.3%)	Mar-96	9.08	0.23	1.5%
Walker Crk	0.2	0.4%(0.5%)	Mar-86	n.a.	0.02	0.1%
			41-Yr Average Stream Depletion, cfs		10.55	
			41-Yr Average of Total Pumped, cfs		15.35	
				% of Total Volume Pumped over 41 Years		68.5%

a) Value in parenthesis is based on an annual time-weighted average of 8.5 months @ 25,000 gpm = 17,705 gpm = 39.45 cfs
b) Time to maximum calculated for 6 years of sequential pumping starting from February 1987
c) Percentage is based on a 41-year time-weighted average pumping rate for 16 years at 28,600 acre-feet/year