

8L.1 Pesticides Methodology

Pesticides were assessed mostly qualitatively. Section 8.3.1.3 and the pesticides discussion under section 8.3.1.7 provide more detailed information regarding the assessment methodology for pesticides. Tables below support assessment of changes in pesticide dilution capacity of major rivers.

Table 1. Seasonal average flows on the San Joaquin River at Vernalis and relative percent change by Alternative

	Flows (cfs)		Winter		Summer	
	Winter	Summer	Change Relative to EC	Change Relative to NA	Change Relative to EC	Change Relative to NA
Existing Conditions	4696	3910	0%	-1%	0%	13%
No Action Alternative	4744	3446	1%	0%	-12%	0%
Alternative 1A	4758	3449	1%	0%	-12%	0%
Alternative 2A	4741	3445	1%	0%	-12%	0%
Alternative 3	4754	3449	1%	0%	-12%	0%
Alternative 4 Scenario H1	4748	3446	1%	0%	-12%	0%
Alternative 4 Scenario H2	4752	3448	1%	0%	-12%	0%
Alternative 4 Scenario H3	4745	3446	1%	0%	-12%	0%
Alternative 4 Scenario H4	4757	3445	1%	0%	-12%	0%
Alternative 5	4752	3446	1%	0%	-12%	0%
Alternative 6A	4759	3439	1%	0%	-12%	0%
Alternative 7	4753	3440	1%	0%	-12%	0%
Alternative 8	4757	3440	1%	0%	-12%	0%
Alternative 9	4759	3444	1%	0%	-12%	0%

Table 2. Seasonal average flows on the Sacramento River at Freeport and relative percent change by Alternative

	Flows (cfs)		Winter		Summer	
	Winter	Summer	Change Relative to EC	Change Relative to NA	Change Relative to EC	Change Relative to NA
Existing Conditions	28073	17117	0%	-1%	0%	1%
No Action Alternative	28234	16884	1%	0%	-1%	0%
Alternative 1A	27597	15982	-2%	-2%	-7%	-5%
Alternative 2A	27151	16667	-3%	-4%	-3%	-1%
Alternative 3	27617	15977	-2%	-2%	-7%	-5%
Alternative 4 Scenario H1	27475	16070	-2%	-3%	-6%	-5%
Alternative 4 Scenario H2	27496	15863	-2%	-3%	-7%	-6%
Alternative 4 Scenario H3	27134	16698	-3%	-4%	-2%	-1%
Alternative 4 Scenario H4	27052	16504	-4%	-4%	-4%	-2%
Alternative 5	27152	16677	-3%	-4%	-3%	-1%
Alternative 6A	27311	16114	-3%	-3%	-6%	-5%
Alternative 7	26965	16572	-4%	-4%	-3%	-2%
Alternative 8	27870	15778	-1%	-1%	-8%	-7%
Alternative 9	27256	16665	-3%	-3%	-3%	-1%

Table 3. Seasonal average flows on the Feather River at Thermalito and relative percent change by Alternative.

	Flows (cfs)		Winter		Summer	
	Winter	Summer	Change Relative to EC	Change Relative to NA	Change Relative to EC	Change Relative to NA
Existing Conditions	4885	4017	0%	5%	0%	-9%
No Action Alternative	4647	4408	-5%	0%	10%	0%
Alternative 1A	5477	3803	12%	18%	-5%	-14%
Alternative 2A	4779	4305	-2%	3%	7%	-2%
Alternative 3	5483	3799	12%	18%	-5%	-14%
Alternative 4 Scenario H1	5171	4032	6%	11%	0%	-9%
Alternative 4 Scenario H2	5185	4014	6%	12%	0%	-9%
Alternative 4 Scenario H3	4769	4321	-2%	3%	8%	-2%
Alternative 4 Scenario H4	4826	4276	-1%	4%	6%	-3%
Alternative 5	4888	4227	0%	5%	5%	-4%
Alternative 6A	5069	4120	4%	9%	3%	-7%
Alternative 7	4993	4173	2%	7%	4%	-5%
Alternative 8	6062	3611	24%	30%	-10%	-18%
Alternative 9	4635	4408	-5%	0%	10%	0%

Table 4. Seasonal average flows on the American River at Nimbus and relative percent change by Alternative.

	Flows (cfs)		Winter		Summer	
	Winter	Summer	Change Relative to EC	Change Relative to NA	Change Relative to EC	Change Relative to NA
Existing Conditions	3941	3058	0%	-5%	0%	19%
No Action Alternative	4167	2577	6%	0%	-16%	0%
Alternative 1A	4182	2563	6%	0%	-16%	-1%
Alternative 2A	4162	2584	6%	0%	-15%	0%
Alternative 3	4183	2562	6%	0%	-16%	-1%
Alternative 4 Scenario H1	4198	2547	7%	1%	-17%	-1%
Alternative 4 Scenario H2	4272	2488	8%	3%	-19%	-3%
Alternative 4 Scenario H3	4151	2594	5%	0%	-15%	1%
Alternative 4 Scenario H4	4175	2567	6%	0%	-16%	0%
Alternative 5	4133	2607	5%	-1%	-15%	1%
Alternative 6A	4223	2543	7%	1%	-17%	-1%
Alternative 7	4162	2595	6%	0%	-15%	1%
Alternative 8	4151	2610	5%	0%	-15%	1%
Alternative 9	4211	2552	7%	1%	-17%	-1%