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Appendix 8L  
**Pesticides**

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## 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 <sup>a</sup>	Change Relative to EC	Change Relative to NA <sup>a</sup>
Existing Conditions	4696	3,910	--	--	--	--
No Action Alternative LLT	4,744	3,446	1%	--	-12%	--
Alternative 1A	4,758	3,449	1%	0%	-12%	0%
Alternative 2A	4,741	3,445	1%	0%	-12%	0%
Alternative 3	4,754	3,449	1%	0%	-12%	0%
Alternative 4 Scenario H1	4,748	3,446	1%	0%	-12%	0%
Alternative 4 Scenario H2	4,752	3,448	1%	0%	-12%	0%
Alternative 4 Scenario H3	4,745	3,446	1%	0%	-12%	0%
Alternative 4 Scenario H4	4,757	3,445	1%	0%	-12%	0%
Alternative 5	4,752	3,446	1%	0%	-12%	0%
Alternative 6A	4,759	3,439	1%	0%	-12%	0%
Alternative 7	4,753	3,440	1%	0%	-12%	0%
Alternative 8	4,757	3,440	1%	0%	-12%	0%
Alternative 9	4,759	3,444	1%	0%	-12%	0%
No Action Alternative ELT	4,857	3,703	3%	--	-5%	--
Alternative 2D ELT	4,862	3,702	4%	0%	-5%	0%
Alternative 4A ELT	4,867	3,701	4%	0%	-5%	0%
Alternative 5A ELT	4,865	3,703	4%	0%	-5%	0%

Notes:  
<sup>a</sup> The percent change for Alternatives 2D, 4A, and 5A is relative to the No Action Alternative ELT; percent changes for Alternatives 1–9 are relative to the No Action Alternative LLT.

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

	Flows (cfs)		Winter		Summer	
	Winter	Summer	Change Relative to EC	Change Relative to NA <sup>a</sup>	Change Relative to EC	Change Relative to NA <sup>a</sup>
Existing Conditions	28,073	17,117	--	--	--	--
No Action Alternative LLT	28,234	16,884	1%	--	-1%	--
Alternative 1A	27,597	15,982	-2%	-2%	-7%	-5%
Alternative 2A	27,151	16,667	-3%	-4%	-3%	-1%
Alternative 3	27,617	15,977	-2%	-2%	-7%	-5%
Alternative 4 Scenario H1	27,475	16,070	-2%	-3%	-6%	-5%
Alternative 4 Scenario H2	27,496	15,863	-2%	-3%	-7%	-6%
Alternative 4 Scenario H3	27,134	16,698	-3%	-4%	-2%	-1%
Alternative 4 Scenario H4	27,052	16,504	-4%	-4%	-4%	-2%
Alternative 5	27,152	16,677	-3%	-4%	-3%	-1%
Alternative 6A	27,311	16,114	-3%	-3%	-6%	-5%
Alternative 7	26,965	16,572	-4%	-4%	-3%	-2%
Alternative 8	27,870	15,778	-1%	-1%	-8%	-7%
Alternative 9	27,256	16,665	-3%	-3%	-3%	-1%
No Action Alternative ELT	26,554	16,711	-5%	--	-2%	--
Alternative 2D ELT	27,160	16,724	-3%	2%	-2%	0%
Alternative 4A ELT	27,231	16,684	-3%	3%	-3%	0%
Alternative 5A ELT	27,269	16,667	-3%	3%	-3%	0%

Notes:

<sup>a</sup> The percent change for Alternatives 2D, 4A, and 5A is relative to the No Action Alternative ELT; percent changes for Alternatives 1–9 are relative to the No Action Alternative LLT.

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

	Flows (cfs)		Winter		Summer	
	Winter	Summer	Change Relative to EC	Change Relative to NA <sup>a</sup>	Change Relative to EC	Change Relative to NA <sup>a</sup>
Existing Conditions	4,885	4,017	--	--	--	--
No Action Alternative LLT	4,647	4,408	-5%	--	10%	--
Alternative 1A	5,477	3,803	12%	18%	-5%	-14%
Alternative 2A	4,779	4,305	-2%	3%	7%	-2%
Alternative 3	5,483	3,799	12%	18%	-5%	-14%
Alternative 4 Scenario H1	5,171	4,032	6%	11%	0%	-9%
Alternative 4 Scenario H2	5,185	4,014	6%	12%	0%	-9%
Alternative 4 Scenario H3	4,769	4,321	-2%	3%	8%	-2%
Alternative 4 Scenario H4	4,826	4,276	-1%	4%	6%	-3%
Alternative 5	4,888	4,227	0%	5%	5%	-4%
Alternative 6A	5,069	4,120	4%	9%	3%	-7%
Alternative 7	4,993	4,173	2%	7%	4%	-5%
Alternative 8	6,062	3,611	24%	30%	-10%	-18%
Alternative 9	4,635	4,408	-5%	0%	10%	0%
No Action Alternative ELT	4,648	4,413	-5%	--	10%	--
Alternative 2D ELT	4,755	4,340	-3%	2%	8%	-2%
Alternative 4A ELT	4,772	4,336	-2%	3%	8%	-2%
Alternative 5A ELT	4,824	4,283	-1%	4%	7%	-3%
Notes:						
<sup>a</sup> The percent change for Alternatives 2D, 4A, and 5A is relative to the No Action Alternative ELT; percent changes for Alternatives 1–9 are relative to the No Action Alternative LLT.						

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

	Flows (cfs)		Winter		Summer	
	Winter	Summer	Change Relative to EC	Change Relative to NA <sup>a</sup>	Change Relative to EC	Change Relative to NA <sup>a</sup>
Existing Conditions	3,941	3,058	--	--	--	--
No Action Alternative LLT	4,167	2,577	6%	--	-16%	--
Alternative 1A	4,182	2,563	6%	0%	-16%	-1%
Alternative 2A	4,162	2,584	6%	0%	-15%	0%
Alternative 3	4,183	2,562	6%	0%	-16%	-1%
Alternative 4 Scenario H1	4,198	2,547	7%	1%	-17%	-1%
Alternative 4 Scenario H2	4,272	2,488	8%	3%	-19%	-3%
Alternative 4 Scenario H3	4,151	2,594	5%	0%	-15%	1%
Alternative 4 Scenario H4	4,175	2,567	6%	0%	-16%	0%
Alternative 5	4,133	2,607	5%	-1%	-15%	1%
Alternative 6A	4,223	2,543	7%	1%	-17%	-1%
Alternative 7	4,162	2,595	6%	0%	-15%	1%
Alternative 8	4,151	2,610	5%	0%	-15%	1%
Alternative 9	4,211	2,552	7%	1%	-17%	-1%
No Action Alternative ELT	4,131	2,732	5%	--	-11%	--
Alternative 2D ELT	4,097	2,758	4%	-1%	-10%	1%
Alternative 4A ELT	4,122	2,738	5%	0%	-10%	0%
Alternative 5A ELT	4,107	2,750	4%	-1%	-10%	1%

Notes:

<sup>a</sup> The percent change for Alternatives 2D, 4A, and 5A is relative to the No Action Alternative ELT; percent changes for Alternatives 1–9 are relative to the No Action Alternative LLT.

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