

Table 3A-9. Summary Comparison of Simulated Flows and Estimated Irrigation Diversions in the Upper Owens River

Alternative or Condition	Parameter	Unit	Monthly Streamflows											
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
	Percent of annual water use	%	2	19	31	26	17	5	0	0	0	0	0	0
	Maximum irrigation diversion ^a	af/mo	182	1,730	2,823	2,367	1,548	455	0	0	0	0	0	0
	Maximum irrigation diversion	cfs	3	29	47	39	26	8	0	0	0	0	0	0
No restriction	Minimum flow of Owens River ^b	cfs	114	77	88	73	70	78	77	84	86	82	61	55
	Minimum flow after irrigation diversions ^c	cfs	111	48	41	34	44	70	77	84	86	82	61	55
Point of reference	Minimum flow of Owens River	cfs	111	77	94	73	70	66	77	86	80	87	61	55
	Minimum flow after irrigation diversions	cfs	108	48	47	34	44	58	77	86	80	87	61	55
6,372 Ft	Minimum flow of Owens River	cfs	58	63	55	32	55	37	54	57	62	67	69	73
	Minimum flow after irrigation diversions	cfs	55	34	8	-7	29	29	54	57	26	67	69	73
6,377 Ft	Minimum flow of Owens River	cfs	39	51	45	32	28	25	41	45	44	50	52	73
	Minimum flow after irrigation diversions	cfs	36	22	-2	-7	2	17	41	45	44	50	52	73
6,383.5 Ft	Minimum flow of Owens River	cfs	39	47	45	32	28	25	46	43	44	50	51	61
	Minimum flow after irrigation diversions	cfs	36	18	-2	-7	2	17	46	43	44	50	51	61
6,390 Ft	Minimum flow of Owens River	cfs	39	25	45	32	28	25	36	43	44	50	51	50
	Minimum flow after irrigation diversions	cfs	36	-4	-2	-7	2	17	36	43	44	50	51	50
6,410 Ft	Minimum flow of Owens River	cfs	39	25	45	32	28	25	36	43	44	50	51	50
	Minimum flow after irrigation diversions	cfs	36	-4	-2	-7	2	17	36	43	44	50	51	50
No diversion	Minimum flow of Owens River	cfs	39	25	45	32	28	25	36	43	44	50	51	50
	Minimum flow after irrigation diversions	cfs	36	-4	-2	-7	2	17	36	43	44	50	51	50

^a Irrigated area is 1,821 acres. Annual irrigation diversion is 5 af/acre (total irrigation diversion equals 9,105 af).

^b LAAMP hydrologic simulation using minimum monthly flows in a 50-year period (2% probability). No deficits would occur during the more frequent dry years (10% and 20% probability).

^c Each 1 cfs of flow deficit (negative values) indicates a 40-acre irrigation reduction.