

Table 3A-5. Simulated Annual Mono Lake Natural Water Budget Terms

Year	Mono Lake Elev (ft)	Mono Lake Area (acres)	Diverted Streams Runoff (AF)	Total Mono Releases (AF)	Cain Ranch Rain (in)	Modeled Rain Volume (AF)	Other Inflows (AF)	Mono Total Inflow (AF)	Lake Evap (AF)	Net Volume Change (AF)
1940	6,417.6	55,096	130,202	105,644	12.7	58,193	63,446	227,283	220,257	7027
1941	6,417.9	55,106	182,803	180,670	10.3	47,574	75,431	303,674	220,985	82690
1942	6,419.4	55,409	164,756	165,888	8.9	40,908	71,319	278,115	222,002	56113
1943	6,420.4	55,630	152,100	153,300	9.6	44,503	68,435	266,239	222,967	43272
1944	6,421.2	55,802	101,264	102,491	9.9	45,636	56,853	204,980	222,863	-17883
1945	6,420.9	55,731	155,759	157,227	12.5	58,005	69,269	284,501	223,327	61174
1946	6,422.0	55,972	130,830	132,303	12.5	58,471	63,589	254,364	224,048	30315
1947	6,422.5	56,096	82,850	83,507	3.7	17,077	52,658	153,242	223,910	-70669
1948	6,421.3	55,813	93,756	94,903	9.0	41,748	55,142	191,794	222,993	-31199
1949	6,420.7	55,690	90,091	91,011	6.6	30,324	54,307	175,642	222,493	-46851
1950	6,419.9	55,503	110,397	111,803	11.8	54,363	58,934	225,100	221,857	3243
1951	6,419.9	55,516	112,762	114,898	19.7	91,011	59,473	265,382	222,113	43269
1952	6,420.7	55,688	175,940	176,805	6.0	27,678	73,867	278,350	223,400	54950
1953	6,421.7	55,905	95,271	96,513	10.0	46,522	55,488	198,522	223,378	-24856
1954	6,421.2	55,807	83,420	84,338	6.5	30,140	52,787	167,266	222,811	-55546
1955	6,420.2	55,586	99,355	101,160	16.1	74,403	56,418	231,981	222,101	9880
1956	6,420.4	55,625	167,778	169,002	9.9	45,753	72,007	286,763	223,123	63639
1957	6,421.6	55,878	104,918	106,650	15.3	71,297	57,686	235,633	223,462	12171
1958	6,421.8	55,925	157,539	158,772	9.9	46,342	69,675	274,789	224,217	50571
1959	6,422.7	56,130	74,101	75,015	6.5	30,142	50,664	155,821	223,969	-68147
1960	6,421.5	55,856	70,919	71,919	7.4	34,160	49,939	156,018	222,824	-66806
1961	6,420.3	55,591	72,574	74,098	13.0	60,019	50,316	184,433	221,856	-37423
1962	6,419.6	55,444	132,278	133,949	14.7	67,852	63,919	265,720	221,983	43737
1963	6,420.4	55,616	137,599	138,791	9.5	44,061	65,131	247,983	222,765	25218
1964	6,420.8	55,716	85,120	86,464	11.1	51,467	53,175	191,106	222,479	-31373
1965	6,420.3	55,591	142,517	143,991	12.6	58,192	66,252	268,435	222,706	45729
1966	6,421.1	55,773	95,488	97,168	14.8	68,408	55,537	221,113	222,850	-1737
1967	6,421.1	55,766	198,453	199,524	8.2	38,226	78,996	316,747	223,966	92780
1968	6,422.7	56,137	82,126	83,964	16.5	76,669	52,493	213,126	224,051	-10926
1969	6,422.5	56,093	214,158	215,412	10.2	47,859	82,574	345,846	225,661	120185
1970	6,424.6	56,649	103,097	104,088	7.3	34,401	57,271	195,759	226,211	-30452
1971	6,424.1	56,482	114,855	116,035	9.4	43,892	59,950	219,876	225,776	-5899
1972	6,424.0	56,450	90,419	91,903	12.6	59,148	54,382	205,433	225,375	-19942
1973	6,423.6	56,363	133,142	134,671	13.1	61,656	64,116	260,443	225,639	34804
1974	6,424.3	56,531	132,271	133,577	10.7	50,525	63,918	248,020	226,256	21764
1975	6,424.6	56,650	120,053	121,093	7.9	37,077	61,134	219,304	226,645	-7341
1976	6,424.5	56,609	55,176	56,112	6.6	31,178	46,352	133,642	225,550	-91908
1977	6,422.9	56,178	52,918	55,198	21.2	98,568	45,838	199,604	224,055	-24451
1978	6,422.5	56,079	178,996	180,617	14.1	66,315	74,563	321,495	224,914	96581
1979	6,424.2	56,501	121,693	123,363	14.7	68,907	61,507	253,777	225,933	27845
1980	6,424.7	56,653	170,530	171,612	8.3	39,409	72,634	283,655	227,224	56431
1981	6,425.7	56,883	100,388	101,868	12.6	59,474	56,653	217,995	227,301	-9306
1982	6,425.5	56,852	212,339	214,799	23.2	110,491	82,160	407,450	228,672	178778
1983	6,428.6	57,665	238,944	240,360	11.9	58,193	88,222	386,775	233,645	153130
1984	6,431.3	58,916	147,798	148,747	6.9	33,742	67,455	249,944	235,842	14102
1985	6,431.5	58,964	109,183	111,102	17.3	84,906	58,657	254,665	235,582	19083
1986	6,431.8	59,029	170,067	170,895	5.6	27,437	72,529	270,861	236,592	34269
1987	6,432.4	59,146	67,917	68,977	8.0	39,133	49,255	157,365	236,033	-78667
1988	6,431.1	58,877	70,410	71,176	4.9	23,706	49,823	144,706	234,525	-89819
1989	6,429.5	58,254	87,382	88,391	7.5	36,176	53,690	178,257	232,106	-53849
Minimum:	6,417.6	55,096	52,918	55,198	4	17,077	45,838	133,642	220,257	-91908
Average:	6,423.1	56,344	123,494	124,235	11	51,427	61,918	237,580	225,426	12154
Maximum:	6,432.4	59,146	238,944	240,360	23	110,491	88,222	407,450	236,592	178778

Notes: Assumed constant 5060 AF Grant Lake gains and 748 AF irrigation diversion.
48" of annual precipitation assumed.