

Appendix E
Water Supply Modeling

Appendix E

Modesto Irrigation District Water Treatment Plant Expansion Project Modeling

I. Introduction

The Modesto Irrigation District (MID) is situated adjacent to and north of the Tuolumne River. Over 60,000 acres within the district are irrigated by a combination of diversions from the Tuolumne River at La Grange Dam and groundwater. MID also currently treats and delivers Tuolumne River water to the City of Modesto (City) for municipal purposes. MID owns New Don Pedro Reservoir (2,030,000 acre-feet) jointly with the Turlock Irrigation District (TID).

In 1995, MID completed construction of a 30 million gallons per day (mgd) capacity water treatment plant to treat and deliver Tuolumne River water. Currently, MID delivers to the City up to 34,500 acre-feet per year. It is proposed that the MID water treatment plant be expanded to a capacity of 60 mgd which will provide up to 67,200 acre-feet of water per year for use within the City. These additional 32,700 acre-feet of water per year are currently being used for agricultural and recreational purposes.

A spreadsheet model was developed to evaluate the potential hydrologic effects of increasing the delivery of Tuolumne River water to the City. The model was used to evaluate three different hydrologic settings:

- **Benchmark:** This scenario is the existing setting of delivering irrigation water to the service area of MID and delivery of 34,500 acre-feet of treated surface water to the City annually.
- **No Project:** This scenario represents a setting in which expansion of the treatment plant does not occur, but as time progresses, agricultural lands currently being served irrigation water by MID become urbanized and then become served groundwater by the City (a reduction in surface water deliveries to MID-served agricultural lands).
- **Project:** This scenario represents a setting at a future point in time when the expanded use of the proposed project is fully used (up to 67,200 acre-feet per year) and agricultural lands have become urbanized and are served treated surface water by the City.

The following describes the model and the assumptions used to develop the analyses and results. This description is limited to the analysis of potential effects to the hydrology of the Tuolumne River, Don Pedro Reservoir, and diversions to the MID service area.

II. Simulation Model

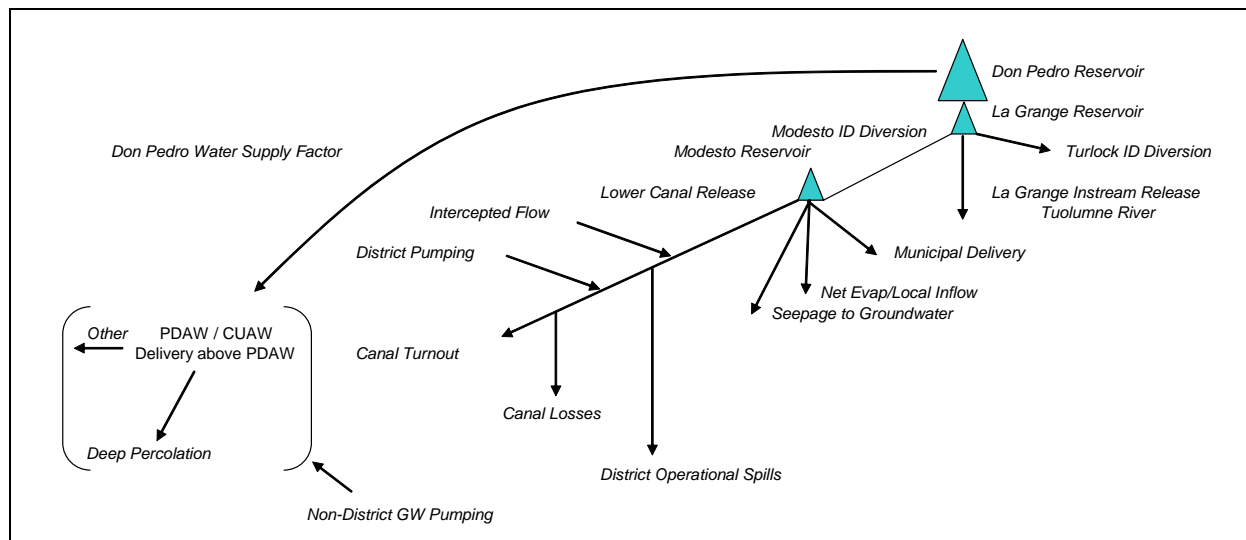
The MID operation simulation model used here is an adapted version of a tool created for the development of the Tuolumne River segment of the statewide planning model CALSIM II. The MID model is an Excel spreadsheet that performs a monthly time-step simulation of MID operations for the sequential period water year 1921 through water year 1998.

A. Operation Protocols

MID is depicted within the model as a demand center with a diversion at La Grange Dam (La Grange). Diversions at La Grange are demand-driven with MID water supply allocations normally sufficient to meet all needs. However, during droughts MID may reduce water allocations, which will result in reduced water diversions. Concerns for carry-over storage in Don Pedro Reservoir can lead to reductions in water allocations.

The protocols developed for MID diversions at La Grange incorporate considerations for the consumptive demand for water (land-use based), the historical application of water in excess of consumptive demand (including deep percolation), district operational practices, district and non-district sources of other supply, system operational spills and losses, and water supply allocations. Figure E-1 shows a conceptual depiction of the elements considered in MID's modeled operation protocols.

Figure E-1. Elements Considered in MID's Modeled Operation Protocols



The protocols develop a diversion target at La Grange. If water supply conditions in Don Pedro Reservoir are sufficient, the diversion target will be met. However, if drought conditions warrant, the diversion may be reduced to a lower value.

The development of the diversion target begins with an estimate of the amount of water to be delivered from MID's canal system. This step in the protocol estimates the water to be turned out from the canal system in consideration of grower's needs and other supplies. The monthly consumptive use of applied water (CUAW) is determined by a consumptive use model. These values are then adjusted upward by a factor that reflects unrecoverable losses and other factors that lead to a need to apply water in excess of consumptive demand (however, this factor does not include over-application of water for deep percolation). The resulting requirement is termed the projected demand for applied water (PDAW). A second factor is then applied to the PDAW that reflects the difference between the estimated PDAW and canal-side deliveries by MID. The resultant water demand is then reduced by non-district groundwater pumping of the growers. This result becomes the canal turnout target.

The next step in the protocols considers factors that affect MID's release from Modesto Reservoir for canal turnout deliveries. Elements entering this balance are:

- the canal turnout target;
- MID groundwater pumping that enters the system as a supply;
- intercepted flow that enters the system as a supply;
- operational spills; and
- canal system losses (e.g., evaporation and seepage).

The summation of these elements results in the lower canal release target from Modesto Reservoir.

A balance then occurs for Modesto Reservoir to account for its operation, demands and losses. Considered in this balance are the following elements:

- the lower canal release target;
- Modesto Reservoir net losses;
- Modesto Reservoir seasonal storage operation; and
- municipal diversion demand from Modesto Reservoir.

The summation of these elements results in the diversion target at La Grange.

Across drought sequences there may be a need to reduce the diversion to a value less than the diversion target in order to manage (maintain) storage in Don Pedro Reservoir. For modeling purposes, a protocol to trigger a reduction in the diversion considers MID’s share of the current year’s storage (end of March) and MID’s share of the projected April through July inflow to Don Pedro Reservoir. This index is currently defined by values shown in Table E-1.

Table E-1. Index of Delivery Reductions based on Don Pedro Reservoir Storage

Index End-of-March MID Don Pedro Storage Plus MID Share of April – July Inflow (TAF)	Don Pedro Water Supply Factor (%)
< 360	55
360 – 410	55 – 85
410 – 540	85
> 540	100

The structure of the values provides for no reduction in full diversions when the index is greater than 540,000 acre-feet. When the index is between 540,000 and 410,000 acre-feet, the canal turnout demand (prior to offset by grower groundwater pumping) is reduced by 15% of its full value. For an index between 410,000 and 360,000 acre-feet, the water supply factor is linearly interpolated between 85 and 55%. For indices below 360,000 acre-feet, the water supply factor is 55%. Reductions to the municipal diversion at Modesto Reservoir are assumed to be equal to the reductions applied to agricultural deliveries.

Table E-2 provides a summary of other modeling assumptions for the MID system, including the turnout delivery factors, minimum groundwater pumping and canal losses and operational spills.

Table E-2. Modeling Assumptions for the MID System

Month	Turnout Delivery Factor (Percent)	Minimum Private Pumping	Canal Operation Spills Critical Years	Canal Operation Spills NonCritical Years	System Losses blw Modesto Reservoir	Intercept Flows	MID Minimum GW Pumping	Modesto Reservoir and Upper Canal Losses	Modesto Reservoir Target Storage
January	35	0.0	2.0	2.0	0.1	0.0	0.0	3.6	18.0
February	35	0.0	2.0	2.0	0.1	0.0	0.0	3.7	18.0
March	35	1.0	3.0	3.0	0.1	0.9	1.0	3.9	18.0
April	65	2.0	3.0	6.5	0.1	0.9	2.5	4.3	19.0
May	80	3.0	4.0	8.0	0.1	1.2	2.5	5.1	20.0
June	80	4.0	3.5	7.0	0.1	1.0	2.5	5.4	20.0
July	80	4.0	3.5	7.0	0.1	1.0	3.0	6.0	21.0
August	70	4.0	4.5	7.5	0.1	1.4	3.0	6.0	22.0
September	70	2.0	4.0	7.0	0.1	1.2	2.0	5.4	20.0
October	35	1.0	3.0	7.0	0.1	0.9	2.0	4.3	17.0
November	35	0.0	2.0	2.0	0.1	0.0	0.0	3.5	15.0
December	35	0.0	2.0	2.0	0.1	0.0	0.0	3.3	15.0
Total		21.0	36.5	61.0	1.2	8.5	18.5	54.5	

Note: March Turnout Delivery Factor varies from 35% to 60%, dependent on PDAW. All values are in 1,000 acre-feet unless otherwise noted.

Similar protocols with different values describe Turlock Irrigation District's operation in the model. Separate accounting for MID and Turlock Irrigation District storage in Don Pedro Reservoir is modeled.

B. Estimation of Hydrologic/Operational Parameters

Several of the hydrologic and operational parameters included in the modeling are described below.

End-of-month Modesto Reservoir Storage Target: A seasonal storage objective controlling the operation of Modesto Reservoir. This information was based on conversations with MID operations personnel.

Typical Modesto Reservoir and Upper Canal Losses: Net evaporation and seepage losses for the regulating reservoir and in the canal between Modesto Reservoir and La Grange Dam. The monthly values are estimated by a water balance using historical operation records.

Canal Operation Spills: These flow measurements are obtained from operational spill recorders located at the downstream end of the MID canals. A significant portion of this water is consumptively used between the measuring point and the San Joaquin River system.

District Minimum Groundwater Pumping: A baseline amount of groundwater and drainage pumping used by MID as a supply within its canal system. The values are estimated from recent historical records.

Intercepted Flows: Flows from upslope operations (Oakdale Irrigation District) entering MID's canal system. The values were estimated based on conversations with MID operations personnel.

Minimum Private Groundwater Pumping: A baseline amount of groundwater pumping by others than MID in satisfaction of the applied water requirement. The values were estimated based on conversations with the MID operations personnel.

CUAW/PDAW: The values result from the Department of Water Resources Consumptive Use Model (CM). The model incorporates parameters such as precipitation, evapotranspiration (ET) rates, soil moisture criteria, rooting depth, and irrigation indicators. However, the model does not consider temperature or other environmental factors that may also influence the applied water requirement.

PDAW to Canal Turnout Delivery Factor: A factor used to account for all other applied water requirements in excess of PDAW. These monthly values were initially estimated based on performing a water balance between estimated and recorded parameters. These values were then adjusted to provide a reasonable comparison between simulated and recorded diversions.

Municipal Diversion: The current and proposed estimated municipal diversion from Modesto Reservoir is described in Table E-3 below.

Table E-3. Current and Proposed Estimated Municipal Diversion from Modesto Reservoir

Month	Current Production (AF)	Proposed Production (AF)
January	2,300	4,500
February	2,300	4,500
March	2,700	5,300
April	2,700	5,300
May	3,000	5,800
June	3,200	6,200
July	3,300	6,400
August	3,300	6,400
September	3,300	6,400
October	3,200	6,200
November	2,700	5,300
December	2,500	4,900
Total	34,500	67,200

C. Other Related Information/Constraints

Additional Don Pedro Reservoir hydrologic and operation data required for simulations include inflow, flood control constraints, and minimum stream releases below La Grange. Inflow depicts a simulated operation of the Tuolumne River basin above Don Pedro Reservoir as it is affected by City and County of San Francisco operations. Flood control reservoir storage space reservation in Don Pedro Reservoir reflects Corps of Engineers flood control objectives. Minimum stream release requirements below La Grange are consistent with current Federal Energy Regulatory Commission license requirements.

III. Analyses and Results

Each analysis uses the same values for the assumptions described above, with the exception of agricultural demand and municipal diversion. Two different levels of municipal diversion are assumed, current diversions (34,500 acre-feet) and proposed diversions (67,200 acre-feet). Two different levels of agricultural PDAW are also possible, the current estimated PDAW and a PDAW associated with a conversion of certain agricultural lands to urban area. The applicable set of assumptions for each scenario is described in Table E-4.

Table E-4. Assumptions for Each Modeling Scenario

Scenario	Municipal Diversion	Agricultural PDA
Benchmark	Current	Current
No Project	Current	Reduced
Project	Proposed	Reduced

The model provides results for numerous parameters concerning the operation of Don Pedro Reservoir, MID diversions and releases to the lower Tuolumne River. Table E-5 describes the contents of the result tables. Tables R1–R20 are on the following pages.

Table E-5. Guide to Results Tables for Various Model Scenarios

Scenario	La Grange Release to Tuolumne River	MID Canal Diversion	Don Pedro Reservoir Storage	Don Pedro Reservoir Elevation
Benchmark	Table R1	Table R2	Table R3	Table R4
No Project	Table R5	Table R6	Table R7	Table R8
Project	Table R9	Table R10	Table R11	Table R12
Difference between No Project and Benchmark	Table R13	Table R14	Table R15	Table R16
Difference between Project and Benchmark	Table R17	Table R18	Table R19	Table R20

Figures E-2 through E-5 display the average monthly La Grange river releases, MID La Grange diversions, Don Pedro storage, and Don Pedro EOM elevation for the benchmark, no project, and project scenarios. These figures follow Table R20.

Table R1 La Grange River Release - Acre-feet Benchmark

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	12744	10711	11068	11068	79317	159021	67471	64123	14876	15372	15372	14876	476020
1922	24396	17851	18446	18446	134536	228804	146620	61936	329841	102773	15372	14876	1113897
1923	24396	17851	93670	201070	112346	20276	139166	61936	14876	15372	15372	14876	731207
1924	24396	17851	18446	18446	17256	18446	14648	14589	2975	3074	3074	2975	156176
1925	7736	8926	9223	9223	8331	9223	73141	69584	4463	4612	4612	4463	213537
1926	13240	10413	10760	10760	9719	10760	31560	30449	4463	4612	4612	4463	145811
1927	9223	8926	9223	9223	8331	9223	64228	61936	14876	15372	15372	14876	240809
1928	24396	17851	18446	18446	26279	286697	82583	35902	4463	4612	4612	4463	528750
1929	12744	10711	11068	11068	9997	11068	26765	25952	2975	3074	3074	2975	131471
1930	9223	8926	9223	9223	8331	9223	27044	26214	2975	3074	3074	2975	119505
1931	9223	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	95484
1932	7736	8926	9223	9223	8628	9223	64228	61936	14876	15372	15372	14876	239619
1933	24396	17851	18446	18446	16661	18446	35746	34374	4463	4612	4612	4463	202516
1934	9223	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	95484
1935	7736	8926	9223	9223	8331	9223	64228	61936	14876	15372	15372	14876	239322
1936	24396	17851	18446	18446	17256	143494	175867	61936	19329	38022	15372	14876	565291
1937	24396	17851	18446	18446	217120	253485	182755	61936	14876	15372	15372	14876	854931
1938	24396	17851	130611	121299	334596	447010	289961	320211	233565	211417	15372	29103	2175390
1939	36295	17851	18446	18446	32073	97104	28519	27597	4463	4612	4612	4463	294481
1940	9223	8926	9223	9223	8628	235483	159874	61936	14876	15372	15372	14876	563013
1941	24396	17851	18446	76188	260160	273740	242515	61936	52316	134269	15372	14876	1192065
1942	24396	17851	80409	216335	207967	182558	226350	129665	14876	131285	15372	14876	1261939
1943	24396	17851	61855	291684	214936	352314	168845	61936	14876	15372	15372	14876	1254312
1944	24396	17851	18446	18446	17256	53633	47883	45898	4463	4612	4612	4463	261959
1945	13240	10413	10760	10760	111556	211928	111950	61936	14876	15372	15372	14876	603039
1946	24396	17851	241325	130503	143997	167787	68767	61936	14876	15372	15372	14876	917057
1947	24396	17851	18446	18446	16661	18446	28048	27156	4463	4612	4612	4463	187600
1948	9223	8926	9223	9223	8628	9223	39939	38477	4463	4612	4612	4463	151012
1949	12744	10711	11068	11068	9997	11068	33031	31999	4463	4612	4612	4463	149836
1950	12744	10711	11068	11068	9997	11068	61666	58823	4463	4612	4612	4463	205295
1951	13240	10413	229678	223256	191814	141810	104873	99341	4463	4612	4612	4463	1032575
1952	13240	10413	10760	10760	193379	262660	288124	85708	249550	208762	15372	24717	1373443
1953	24396	17851	18446	140309	90997	37351	87611	83153	4463	4612	4612	4463	518263
1954	13240	10413	10760	10760	9719	10760	41414	39831	4463	4612	4612	4463	165047
1955	13240	10413	10760	10760	9719	10760	31549	30438	4463	4612	4612	4463	145789
1956	9223	8926	9223	229286	217530	158150	108769	61936	190378	154455	15372	14876	1178125
1957	24396	17851	18446	18446	16661	103518	85005	80709	4463	4612	4612	4463	383182
1958	13240	10413	10760	10760	9719	259462	368446	114315	278783	142113	15372	24101	1257483
1959	24396	17851	18446	18446	26488	50058	28818	27877	4463	4612	4612	4463	230530
1960	9223	8926	9223	9223	8628	9223	24890	24194	2975	3074	3074	2975	115628
1961	7736	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	93997
1962	7736	8926	9223	9223	8331	9223	94936	90022	4463	4612	4612	4463	255770
1963	13240	10413	10760	10760	9719	10760	64228	61936	14876	15372	15372	14876	252312
1964	24396	17851	18446	18446	17256	18446	28163	27263	4463	4612	4612	4463	188417
1965	9223	8926	9223	187209	193261	156251	162490	61936	14876	15372	46792	34906	900464
1966	24396	21825	186866	114312	113083	88970	32234	31252	4463	4612	4612	4463	631087
1967	12744	10711	11068	11068	9997	230429	294421	61936	233570	382718	18740	29914	1307315
1968	24396	17851	18446	18446	24348	85271	28982	28031	4463	4612	4612	4463	263921
1969	9223	8926	9223	169314	343326	276291	305600	249515	431665	227284	15372	32290	2078031
1970	40171	17851	77990	368924	190923	217122	64228	61936	14876	15372	15372	14876	1099640
1971	24396	17851	18446	18446	102708	110608	66507	63363	4463	4612	4612	4463	440475
1972	13240	10413	10760	10760	10066	10760	30574	29524	2975	3074	3074	2975	138195
1973	9223	8926	9223	9223	8331	83232	77670	61936	14876	15372	15372	14876	328260
1974	24396	17851	90038	221715	98328	186653	162070	61936	14876	15372	15372	14876	923482
1975	25053	17851	18446	18446	143062	269090	91149	61936	84445	66562	18238	31678	845956
1976	64869	17851	18446	18446	17256	18446	20656	20224	2975	3074	3074	2975	208292
1977	7736	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	93997
1978	7736	8926	9223	9223	8331	9223	64228	61936	35497	15372	15372	25749	270815
1979	24396	17851	18446	88849	217863	253400	128860	144796	14876	15372	15372	14876	954956
1980	24396	17851	18446	247757	398544	247352	124399	61936	209311	197620	15372	33174	1596157
1981	24396	17851	18446	18446	16661	90267	29251	28454	4463	4612	4612	4463	261922
1982	12744	10711	11068	154763	355505	347511	476208	199221	260969	205806	21195	142866	2198568
1983	192199	116283	290878	323289	369164	955074	333321	267905	166201	361974	152144	99099	3627530
1984	45429	258075	412390	231578	202851	178469	64228	61936	14876	15372	15372	14876	1515451
1985	24396	17851	18446	18446	16661	18446	34627	33325	4463	4612	4612	4463	200348
1986	9223	8926	9223	9223	352206	437768	137071	61936	195855	32384	15372	20529	1289716
1987	24396	17851	18446	18446	16661	18446	24999	24296	2975	3074	3074	2975	175639
1988	7736	8926	9223	9223	8628	9223	19295	18947	2975	3074	3074	2975	103299
1989	7736	8926	9223	9223	8331	9223	26514	25716	2975	3074	3074	2975	116990
1990	7736	8926	9223	9223	8331	9223	19863	19480	2975	3074	3074	2975	104103
1991	7736	8926	9223	9223	8331	9223	26392	25603	2975	3074	3074	2975	116755
1992	7736	8926	9223	9223	8628	9223	20498	20075	2975	3074	3074	2975	105630
1993	7736	8926	9223	9223	8331	9223	73588	61936	76832	122174	15372	19810	422375
1994	24396	17851	18446	18446	16661	18446	26770	25956	2975	3074	3074	2975	179070
1995	7736	8926	9223	9223	51353	523296	262937	449408	216751	503799	95062	30071	2167784
1996	24396	17851	18446	52060	330008	284428	140555	61936	162377	41028	15372	14876	1163333
1997	47142	42326	396693	901411	224161	168948	64228	61936	14876	15372	15372	14876	1967339
1998	24396	17851	18446	79591	406461	336287	248675	301518	199551	338241	37621	22201	2030838
Average	20483	18175	40568	70425	92186	129011	100024	69501	52085	51963	13137	14046	671604

Table R2 MID La Grange Diversion - Acre-feet Benchmark

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	22332	6990	5800	8900	8152	16983	34329	48491	51257	56330	52220	32772	344555
1922	28929	6586	5800	8900	6000	6600	26539	45400	51575	56525	52585	34285	329724
1923	21129	4200	5800	8900	6000	18799	22584	46751	49450	54525	49785	26601	314524
1924	24558	8013	5800	8900	8672	28967	41649	40581	39814	43761	40247	24898	315860
1925	6864	3795	5425	8555	5655	7611	21046	34376	48325	54525	49785	31456	277418
1926	25127	7158	5800	8900	6000	24227	27626	43307	43208	47261	43247	27898	309759
1927	21306	3795	5425	8555	5655	8580	25507	48500	48824	54525	49785	31599	312057
1928	9699	4200	5800	8900	6000	9943	36585	49501	50076	54525	49785	31885	316898
1929	27701	4200	5800	8900	6000	15371	29094	40581	33439	43761	40247	24655	279748
1930	20221	8080	5425	8555	5655	11495	35895	38243	39814	43761	39276	24170	280591
1931	18033	3795	5425	8555	5655	19752	27078	24125	24916	29234	27015	16765	210348
1932	12946	2985	4675	7865	4965	8256	33969	44126	50076	54275	49785	31885	305807
1933	27987	8585	5800	8900	6000	13372	41798	38107	42564	46567	42623	27517	309820
1934	21023	8005	5389	8522	5622	12804	25977	25981	24297	29234	27172	16530	210556
1935	10746	2985	4675	7865	4965	5385	13047	43500	50076	54525	49501	31885	279154
1936	11987	6586	5800	8900	6000	8513	25047	42751	47326	54026	49785	30028	296748
1937	19127	8871	5800	8900	6000	6600	19662	48000	49951	54525	49785	31885	309106
1938	23414	6586	5800	8900	6000	6600	21046	46625	49700	54149	49785	30314	308921
1939	15130	7730	5800	8900	6000	9657	45815	46375	50076	54525	49785	23458	323250
1940	24558	8585	5800	8900	6000	6600	22584	48251	50076	54525	49785	31742	317406
1941	23414	8585	5800	8900	6000	6600	12893	44375	49951	54525	49785	31885	302712
1942	19985	7444	5800	8900	6000	8230	11200	38875	50076	54525	49785	31885	292705
1943	24272	4200	5800	8900	6000	6600	18738	47625	50076	54525	49785	31885	308406
1944	23414	7444	5800	8900	6000	12800	31354	49749	49700	54525	49785	31599	331071
1945	11415	4200	5800	8900	6000	6600	27045	48000	48950	54525	49785	29744	300964
1946	9985	4200	5800	8900	6000	8230	32122	43750	50076	54275	49785	31315	304438
1947	21415	7158	5800	8900	8386	33301	52892	49375	48200	54525	49785	31599	371337
1948	10557	4200	5800	8900	8386	12228	26841	32363	43102	47261	43247	27776	270660
1949	14748	7837	5425	8555	7998	15865	45671	40544	43314	47261	43247	27898	308364
1950	24464	7837	5425	8555	5655	9796	32334	42138	43314	47261	43247	23163	293189
1951	10135	3795	5425	8555	5655	10039	29508	48500	50076	54525	49785	31885	307881
1952	18559	4200	5800	8900	6000	10515	20892	48126	49450	52150	49785	31742	306119
1953	27987	4200	5800	8900	6000	20229	36585	47875	47326	54525	48357	31742	339526
1954	23700	7444	5800	8900	8672	23372	45508	49000	48576	54525	49785	31885	357168
1955	27987	4200	5800	8900	6000	14230	23046	45125	50076	54525	49785	29885	319559
1956	27701	4200	5800	8900	6000	17659	29046	43750	50076	54525	49785	29172	326613
1957	21984	8871	5800	8900	6000	26229	45200	39625	49575	54525	49785	30028	346523
1958	10557	8013	5800	8900	6000	6600	8000	35000	49325	54525	49785	31172	273676
1959	27987	8585	5800	8900	6000	15085	46893	49626	50076	54525	49501	15458	338434
1960	27987	8871	5800	8900	6000	27401	36679	40050	39814	43761	40247	24413	309924
1961	19978	3795	5425	8555	5655	16108	24031	24950	26292	29234	26701	16765	207488
1962	13418	2985	4675	7865	4965	7471	28541	43944	43314	47261	43247	27898	275584
1963	17663	6624	5425	8555	5655	6195	17970	44875	49951	54525	49785	30743	297965
1964	10843	4200	5800	8900	8386	33087	50892	50250	47075	54400	49785	31742	355360
1965	11987	4200	5800	8900	6000	12800	30738	49501	50076	54275	43642	31599	309517
1966	27129	4200	5800	8900	6000	14230	39046	49626	49325	54026	49785	31885	339951
1967	27987	4200	5800	8900	6000	9085	13969	44126	46450	54525	49785	31885	302712
1968	25413	4200	5800	8900	8386	8513	41046	49626	50076	54525	47214	31885	335584
1969	16557	4200	5800	8900	6000	10801	25201	49375	50076	54525	49785	28314	309533
1970	17415	4200	5800	8900	6000	11087	35047	50750	49575	54525	49785	31885	324969
1971	22270	4200	5800	8900	6000	12514	32584	47125	50076	54525	49785	31599	325378
1972	23128	6586	5800	8900	6000	31200	49353	50876	49325	54525	49785	30028	365506
1973	17415	4200	5800	8900	6000	6600	25815	49749	49825	54525	49785	31885	310500
1974	4500	4200	5800	8900	6000	8799	19508	47250	47950	49525	49785	31885	284102
1975	12556	6872	5800	8900	6000	6600	30738	49125	50076	54525	44214	31885	307291
1976	12273	7730	5800	8900	8672	40301	35895	40581	39602	43655	35026	22712	301146
1977	15362	6138	5425	8555	8241	26937	28346	22268	26292	29234	27172	15900	219870
1978	10588	2985	4675	7865	4965	5385	12123	43750	50076	54525	49785	25171	271892
1979	27987	4200	5800	8900	6000	9085	29354	49375	50076	53525	49785	31885	325972
1980	14272	4200	5800	8900	6000	8799	26431	47125	50076	50525	49785	31885	303797
1981	27701	8871	5800	8900	6000	8230	35815	50125	50076	54525	49785	31885	337713
1982	12273	4200	5800	8900	6000	6600	14431	47250	48200	54525	49785	17600	275563
1983	9985	4200	5800	8900	6000	6600	12893	44249	50076	54525	48357	16314	267898
1984	21129	4200	5800	8900	6000	14230	39816	51124	50076	54525	49785	31742	337327
1985	9985	4200	5800	8900	6000	10515	35355	50500	48701	54525	49785	31315	315580
1986	17129	4200	5800	8900	6000	6600	21816	46375	50076	54525	49785	31456	302662
1987	18841	8585	5800	8900	6000	7944	40776	47124	46576	51025	46785	28885	317242
1988	14559	6586	5800	8900	6000	24799	18701	25431	25329	29234	27172	16922	209432
1989	13418	2985	4675	7865	4965	9829	38511	40369	39814	43761	39641	14455	260288
1990	9778	6381	5425	8555	5655	24584	27500	19863	26292	29234	27172	16686	207125
1991	5874	6184	4675	7865	7222	5385	22593	27150	24710	29234	26465	16922	184280
1992	8388	6184	4675	7865	4965	5385	14893	26737	25603	29096	27172	16922	177885
1993	11375	2985	4675	7865	4965	5385	25353	40750	47201	54525	49785	31885	286749
1994	24272	4200	5800	8900	6000	31943	34315	32500	46576	51025	46785	28599	320915
1995	17984	4200	5800	8900	6000	6600	17816	36875	46575	54525	49785	31885	286945
1996	27987	8871	5800	8900	6000	9085	26585	34376	49951	54525	49785	31885	313749
1997	12273	4200	5800	8900	6000	21656	48123	49875	49200	54525	49785	31885	342222
1998	26271	4200	5800	8900	6000	8230	21968	22249	46074	54525	49785	31742	285746
Average	18449	5599	5626	8740	6185	13294	29272	42618	45547	50304	45880	28036	299551

Table R3 Don Pedro Storage - Acre-feet Benchmark

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1921	1267364	1277636	1344912	1606587	1690000	1690000	1713000	1734346	1898961	1769210	1623711	1547364
1922	1459233	1440927	1474155	1554219	1690000	1690000	1713000	1904410	2030000	1910000	1767473	1687253
1923	1624328	1629976	1690000	1690000	1690000	1690000	1713000	1763744	1781627	1711944	1575371	1526832
1924	1456865	1437464	1433686	1415027	1404112	1319555	1238369	1161789	1063118	957600	859535	810771
1925	814865	829144	947904	1011765	1185826	1334023	1438406	1505367	1610176	1513332	1378677	1309471
1926	1245344	1233221	1237321	1236681	1297866	1319723	1425933	1473445	1382113	1225832	1090455	1018422
1927	956337	996332	1080117	1104846	1350276	1515423	1665428	1676932	1874031	1799739	1659662	1585370
1928	1563908	1595578	1636234	1649486	1690000	1690000	1713000	1764946	1728944	1571486	1431537	1354964
1929	1271221	1263248	1262578	1249470	1256859	1265409	1284929	1303321	1341893	1221986	1111101	1048484
1930	992205	972249	1024408	1051659	1092240	1146502	1151372	1147263	1153254	1040600	939075	888043
1931	843607	846264	921812	941764	955493	914043	825837	777428	704536	610986	535973	506042
1932	471528	466562	606627	757113	1012592	1152709	1144384	1208460	1341864	1296212	1166604	1092675
1933	1003483	974342	961440	951590	1001136	1033705	974366	964140	1019924	914427	808721	752512
1934	695915	680530	749805	781093	834170	902592	847498	784455	739425	648226	573052	544724
1935	528845	542710	636162	770267	905352	1055467	1320253	1415709	1582514	1468824	1330133	1246114
1936	1209805	1201725	1199906	1254690	1628188	1690000	1713000	1834642	2030000	1910000	1765596	1685352
1937	1631691	1606563	1606760	1603725	1690000	1690000	1713000	1812200	2012518	1878790	1738104	1655898
1938	1581349	1568969	1690000	1690000	1690000	1690000	1690000	1730000	2025000	1910000	1782497	1700000
1939	1660000	1655446	1676625	1680845	1690000	1690000	1670099	1607700	1484095	1320580	1180836	1143128
1940	1100554	1089481	1166525	1325683	1607663	1690000	1713000	1786427	1934793	1774892	1630256	1544270
1941	1473316	1453209	1573614	1690000	1690000	1690000	1690000	1810027	2030000	1910000	1769662	1688318
1942	1629451	1618038	1690000	1690000	1690000	1690000	1713000	1765000	1997496	1910000	1769846	1684164
1943	1602506	1640511	1690000	1690000	1690000	1690000	1713000	1761137	1914973	1831182	1691202	1606371
1944	1533228	1515999	1512707	1506037	1600658	1690000	1697559	1724777	1681956	1552833	1413509	1337330
1945	1312513	1360891	1509271	1523202	1690000	1690000	1713000	1750834	1934104	1872394	1723927	1638767
1946	1640726	1674022	1690000	1690000	1690000	1690000	1713000	1736857	1791940	1633312	1483184	1399337
1947	1339750	1356483	1501906	1500673	1525729	1496013	1454789	1407757	1334058	1188447	1058588	992484
1948	995101	996237	1053501	1059844	1043749	1033186	1082715	1188718	1341556	1225099	1094343	1026460
1949	985790	969115	1001678	991824	998047	1150638	1161504	1196558	1223612	1090804	972257	912317
1950	845191	832551	861001	880436	1049716	1186411	1222464	1239160	1322480	1186187	1058118	1005400
1951	1003457	1426778	1690000	1690000	1690000	1690000	1690000	1665172	1583388	1614437	1463416	1252262
1952	1210535	1218535	1391617	1681113	1690000	1690000	1690000	1895000	2030000	1910000	1780808	1700000
1953	1613428	1600672	1628947	1690000	1690000	1690000	1660200	1612725	1639189	1592443	1466539	1393756
1954	1327897	1327476	1334877	1342136	1401149	1555018	1610734	1684807	1686387	1529152	1385742	1308689
1955	1229150	1229266	1251483	1294042	1369737	1421403	1432613	1436690	1381270	1222209	1077951	1008332
1956	934519	930013	1483256	1690000	1690000	1690000	1713000	1835854	2030000	1910000	1772020	1699937
1957	1638778	1619026	1621491	1616410	1689595	1690000	1604122	1626797	1747286	1603749	1466091	1393568
1958	1376982	1365650	1394545	1425260	1641502	1690000	1690000	1910000	2030000	1910000	1779341	1700000
1959	1610042	1583954	1567650	1591398	1690000	1690000	1663233	1590359	1487556	1324744	1183442	1184314
1960	1106061	1090841	1132127	1149787	1233321	1274472	1279838	1269741	1176631	1050673	964700	900186
1961	853251	852741	900692	932049	943286	909512	861266	819925	758733	674421	605414	575617
1962	541007	536065	563767	579969	800539	978166	1019181	992972	1151891	1069399	944535	878308
1963	837481	828147	889466	922582	1122324	1202604	1354996	1489801	1756133	1711238	1578766	1510221
1964	1489053	1538521	1614710	1623029	1633990	1589936	1510848	1474947	1477680	1325140	1192304	1122502
1965	1108750	1132382	1557997	1690000	1690000	1690000	1713000	1751024	1903972	1907346	1790000	1700000
1966	1614721	1690000	1690000	1690000	1690000	1690000	1677577	1619005	1487364	1326026	1184932	1115804
1967	1039804	1073722	1298621	1492841	1646490	1690000	1690000	1870988	2030000	1910000	1790000	1700000
1968	1618820	1606925	1612983	1619375	1690000	1690000	1664820	1602767	1525040	1360382	1227121	1150510
1969	1113825	1143463	1302617	1690000	1690000	1690000	1690000	1930000	2030000	1910000	1784330	1700000
1970	1660000	1665753	1690000	1690000	1690000	1690000	1695464	1668723	1692589	1564096	1433137	1357998
1971	1297849	1341139	1523782	1686503	1690000	1690000	1677780	1644203	1636888	1531002	1403946	1337701
1972	1275565	1281399	1430040	1510901	1598405	1606029	1495113	1428900	1348974	1194226	1065606	1000492
1973	961801	975202	1126520	1326604	1562365	1690000	1717600	1759884	1864583	1709029	1571056	1490920
1974	1484582	1574229	1690000	1690000	1690000	1690000	1717600	1770440	1984042	1902685	1765554	1689345
1975	1660000	1646618	1657395	1666651	1690000	1690000	1717600	1813028	2030000	1910000	1790000	1700000
1976	1660000	1661358	1687130	1659905	1642842	1525456	1438610	1342571	1238279	1111420	1028006	997315
1977	960613	953757	975888	977305	956283	847062	730483	672087	600978	509040	434735	405607
1978	377816	372021	427741	529297	803940	1072166	1280286	1421185	1761000	1846771	1718375	1700000
1979	1622906	1626280	1632668	1690000	1690000	1690000	1690000	1717600	1833518	1689245	1550724	1476694
1980	1444934	1447942	1487060	1690000	1690000	1690000	1717600	1819204	1960200	1910000	1784465	1700000
1981	1616589	1590430	1587032	1598568	1654066	1690000	1705456	1679480	1583586	1425109	1298878	1231879
1982	1222801	1330070	1554846	1690000	1690000	1690000	1717600	1876400	2002900	1910000	1790000	1700000
1983	1660000	1690000	1690000	1690000	1690000	1294700	1264000	1270800	1851400	1910000	1790000	1700000
1984	1660000	1690000	1690000	1690000	1690000	1690000	1644304	1655361	1756819	1625915	1485005	1404290
1985	1389022	1424459	1512058	1564213	1586787	1686857	1715786	1664085	1562496	1404402	1274903	1212074
1986	1184793	1206299	1351335	1462936	1690000	1690000	1717600	1880808	2001400	1910000	1771368	1700000
1987	1640544	1614702	1600948	1569935	1569234	1598204	1532190	1440945	1335039	1198219	1084830	1027357
1988	1002333	997908	1037321	1091200	1172619	1146618	1107830	1052988	986377	899789	826156	793641
1989	758361	766004	808999	836035	867876	1015259	1044966	1058193	1115444	989416	882029	878386
1990	905011	899774	955545	976750	1012079	987389	947302	948699	951382	865358	778467	734150
1991	718800	708771	732988	732384	709461	783454	829119	882008	965486	917315	851166	825021
1992	827169	821315	862135	882048	945754	1026498	1043308	1100723	1051893	994184	908871	859559
1993	837346	825992	884294	1161900	1366561	1617237	1717600	1823006	2030000	1910000	1778594	1700000
1994	1626450	1608039	1597889	1588075	1597242	1581018	1571574	1577517	1464721	1316496	1196027	1136801
1995	1090749	1110476	1245990	1566628	1690000	1690000	1717600	1629700	1982800	1910000	1790000	1700000
1996	1607026	1577631	1611284	1690000	1690000	1690000	1717600	1992658	2030000	1910000	1770520	1696661
1997	1660000	1690000	1690000	1690000	1690000	1690000	1667648	1797741	1882389	1781191	1669582	1617873
1998	1568647	1560771	1570513	1690000	1690000	1690000	1717600	17				

Table R4 Don Pedro EOM Elev - Ft Benchmark

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1921	760.1	761.2	768.5	794.3	801.8	801.8	803.8	805.7	819.6	808.8	795.8	788.7
1922	780.2	778.3	781.7	789.4	801.8	801.8	803.8	820.1	830.0	820.5	808.6	801.6
1923	795.9	796.4	801.8	801.8	801.8	801.8	803.8	808.3	809.9	803.8	791.4	786.8
1924	780.0	778.0	777.6	775.7	774.6	765.7	756.8	748.0	736.0	722.3	708.5	701.2
1925	701.8	704.0	721.0	729.5	750.9	767.3	778.1	784.7	794.6	785.4	772.0	764.6
1926	757.6	756.2	756.7	756.6	763.4	765.7	776.8	781.6	772.3	755.4	739.4	730.3
1927	722.1	727.4	738.1	741.2	769.0	785.7	799.7	800.7	817.5	811.4	799.1	792.3
1928	790.3	793.2	797.0	798.2	801.8	801.8	803.8	808.4	805.2	791.0	777.4	769.5
1929	760.5	759.6	759.6	758.1	758.9	759.9	762.0	764.0	768.1	755.0	741.9	734.1
1930	726.9	724.2	731.1	734.5	739.7	746.2	746.8	746.3	747.0	733.1	719.8	712.6
1931	706.1	706.5	717.3	720.1	722.0	716.2	703.5	696.1	684.3	668.0	653.7	647.6
1932	640.3	639.2	667.2	692.9	729.6	746.9	745.9	753.4	768.1	763.2	748.6	739.7
1933	728.4	724.5	722.8	721.5	728.1	732.3	724.5	723.1	730.5	716.3	700.9	692.1
1934	682.8	680.3	691.7	696.6	704.7	714.6	706.7	697.2	690.1	674.6	660.9	655.4
1935	652.2	655.0	672.5	694.9	715.0	735.0	765.8	775.8	792.0	781.1	766.9	757.7
1936	753.6	752.7	752.5	758.7	796.2	801.8	803.8	814.3	830.0	820.5	808.5	801.4
1937	796.6	794.3	794.3	794.0	801.8	801.8	803.8	812.4	828.6	817.9	806.0	798.8
1938	791.9	790.8	801.8	801.8	801.8	801.8	801.8	805.3	829.6	820.5	809.9	802.7
1939	799.2	798.8	800.7	801.0	801.8	801.8	800.1	794.4	782.6	765.8	750.3	745.8
1940	740.7	739.3	748.6	766.4	794.4	801.8	803.8	810.3	822.5	809.3	796.4	788.4
1941	781.6	779.6	791.2	801.8	801.8	801.8	801.8	812.2	830.0	820.5	808.8	801.7
1942	796.4	795.3	801.8	801.8	801.8	801.8	803.8	808.4	827.4	820.5	808.8	801.3
1943	793.9	797.4	801.8	801.8	801.8	801.8	803.8	808.1	820.9	814.0	801.9	794.2
1944	787.4	785.7	785.4	784.7	793.7	801.8	802.5	804.9	801.1	789.3	775.5	767.6
1945	765.0	770.2	785.1	786.4	801.8	801.8	803.8	807.2	822.4	817.4	804.8	797.2
1946	797.4	800.4	801.8	801.8	801.8	801.8	803.8	805.9	810.7	796.7	782.5	774.1
1947	767.9	769.7	784.3	784.2	786.7	783.8	779.8	775.0	767.3	751.2	735.4	726.9
1948	727.3	727.4	734.8	735.6	733.5	732.2	738.5	751.2	768.1	755.3	739.9	731.4
1949	726.0	723.8	728.1	726.8	727.6	746.7	748.0	752.1	755.1	739.5	724.2	716.0
1950	706.4	704.5	708.7	711.5	734.3	750.9	755.0	756.9	766.0	750.9	735.4	728.6
1951	728.4	776.9	801.8	801.8	801.8	801.8	799.6	792.1	795.0	780.6	766.8	758.4
1952	753.7	754.6	773.3	801.1	801.8	801.8	801.8	819.3	830.0	820.5	809.8	802.7
1953	794.9	793.7	796.3	801.8	801.8	801.8	799.2	794.8	797.3	793.0	780.8	773.5
1954	766.6	766.6	767.4	768.2	774.3	789.5	794.6	801.4	801.5	787.0	772.7	764.6
1955	755.8	755.8	758.3	763.0	771.1	776.4	777.5	777.9	772.3	755.0	737.9	729.0
1956	719.1	718.5	782.5	801.8	801.8	801.8	803.8	814.4	830.0	820.5	809.0	802.7
1957	797.2	795.4	795.6	795.2	801.8	801.8	794.0	796.1	806.8	794.0	780.9	773.5
1958	771.8	770.7	773.6	776.7	797.5	801.8	801.8	820.5	830.0	820.5	809.7	802.7
1959	794.6	792.2	790.7	792.9	801.8	801.8	799.5	792.8	783.0	766.3	750.6	750.7
1960	741.3	739.5	744.5	746.6	756.2	760.9	761.4	760.4	749.8	734.4	720.8	714.3
1961	707.6	707.5	714.4	718.8	720.3	715.6	708.7	702.6	693.1	679.2	666.9	661.4
1962	654.6	653.7	659.1	662.2	699.7	725.0	730.4	727.0	746.8	736.8	720.5	711.2
1963	705.2	703.8	712.8	717.4	743.3	752.8	769.5	783.2	807.6	803.7	791.7	785.1
1964	783.1	787.9	795.0	795.8	796.8	792.7	785.2	781.7	782.0	766.3	751.6	743.3
1965	741.7	744.5	789.8	801.8	801.8	801.8	803.8	807.2	820.0	820.3	810.6	802.7
1966	795.0	801.8	801.8	801.8	801.8	801.8	800.8	795.4	782.9	766.4	750.8	742.5
1967	733.0	737.3	763.5	783.5	797.9	801.8	801.8	817.3	830.0	820.5	810.6	802.7
1968	795.4	794.3	794.8	795.4	801.8	801.8	799.6	793.9	786.6	770.1	755.5	746.7
1969	742.3	745.8	763.9	801.8	801.8	801.8	801.8	822.1	830.0	820.5	810.1	802.7
1970	799.2	799.7	801.8	801.8	801.8	801.8	802.3	800.0	802.1	790.3	777.6	769.9
1971	763.4	768.1	786.5	801.5	801.8	801.8	800.8	797.7	797.0	787.2	774.6	767.7
1972	761.0	761.6	777.2	785.2	793.5	794.2	783.7	777.1	768.9	751.8	736.3	728.0
1973	722.8	724.6	743.8	766.5	790.2	801.8	804.3	808.0	816.8	803.5	791.0	783.3
1974	782.7	791.3	801.8	801.8	801.8	801.8	804.3	808.9	826.4	819.9	808.4	801.8
1975	799.2	797.9	798.9	799.8	801.8	801.8	804.3	812.5	830.0	820.5	810.6	802.7
1976	799.2	799.3	801.6	799.2	797.6	786.6	778.1	768.2	756.8	742.0	731.6	727.5
1977	722.7	721.7	724.7	724.9	722.1	706.6	688.6	678.8	666.1	648.2	632.1	625.2
1978	618.4	616.9	630.5	664.6	700.2	737.1	761.5	776.3	808.0	815.3	804.3	802.7
1979	795.8	796.1	796.7	801.8	801.8	801.8	801.8	804.3	814.2	801.8	789.1	781.9
1980	778.8	779.1	782.9	801.8	801.8	801.8	804.3	813.0	824.5	820.5	810.1	802.7
1981	795.2	792.8	792.5	793.5	798.6	801.8	803.2	800.9	792.1	776.7	763.5	756.1
1982	755.1	766.9	789.5	801.8	801.8	801.8	804.3	817.7	827.9	820.5	810.6	802.7
1983	799.2	801.8	801.8	801.8	801.8	763.0	759.7	760.5	815.7	820.5	810.6	802.7
1984	799.2	801.8	801.8	801.8	801.8	801.8	797.7	798.7	807.7	796.0	782.7	774.6
1985	773.0	776.7	785.3	790.4	792.4	801.6	804.1	799.5	790.2	774.6	760.9	753.8
1986	750.7	753.2	769.2	780.6	801.8	801.8	804.3	818.1	827.7	820.5	809.0	802.7
1987	797.4	795.0	793.7	790.9	790.8	793.5	787.3	778.3	767.4	752.3	738.7	731.5
1988	728.2	727.6	732.7	739.5	749.3	746.2	741.6	734.7	726.1	714.2	703.5	698.6
1989	693.1	694.3	701.0	705.0	709.7	729.9	733.7	735.4	742.5	726.5	711.7	711.2
1990	715.0	714.2	722.0	724.8	729.5	726.2	720.9	721.1	721.4	709.4	696.2	689.2
1991	686.6	685.0	689.0	688.9	685.1	697.0	704.0	711.7	723.3	716.7	707.2	703.4
1992	703.7	702.8	708.9	711.7	720.7	731.4	733.5	740.7	734.6	727.1	715.5	708.5
1993	705.2	703.5	712.1	748.0	770.8	795.2	804.3	813.3	830.0	820.5	809.6	802.7
1994	796.1	794.4	793.5	792.6	793.4	791.9	791.0	791.6	780.7	765.4	752.0	745.0
1995	739.5	741.9	757.7	790.6	801.8	801.8	804.3	796.4	826.3	820.5	810.6	802.7
1996	794.3	791.6	794.7	801.8	801.8	801.8	804.3	827.0	830.0	820.5	808.9	802.4
1997	799.2	801.8	801.8	801.8	801.8	801.8	799.9	811.2	818.2	809.8	800.1	795.3
1998	790.8	790.0	790.9	801.8	801.8	801.8	804.3	803.9	826.6	820.5	810.6	802.7
Average	753.4	754.4	762.7	769.3	776.8	780.0	789.9	783.8	789.8	778.8	766.0	759.0

**Table R5 La Grange River Release - Acre-feet
No_Project**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	12744	10711	11068	11068	81285	160237	70854	64123	14876	15372	15372	14876	482586
1922	24396	17851	18446	18446	163700	228804	148873	61936	340538	109316	15372	14876	1162554
1923	24396	17851	104794	201070	112346	22016	141107	61936	14876	15372	15372	14876	746011
1924	24396	17851	18446	18446	17256	18446	14648	14589	2975	3074	3074	2975	156176
1925	7736	8926	9223	9223	8331	9223	73141	69584	4463	4612	4612	4463	213537
1926	13240	10413	10760	10760	9719	10760	31560	30449	4463	4612	4612	4463	145811
1927	9223	8926	9223	9223	8331	9223	97955	61936	14876	15372	15372	14876	274536
1928	24396	17851	38450	31713	66796	287153	86554	35902	4463	4612	4612	4463	606964
1929	12744	10711	11068	11068	9997	11068	26765	25952	2975	3074	3074	2975	131471
1930	9223	8926	9223	9223	8331	9223	27044	26214	2975	3074	3074	2975	119505
1931	9223	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	95484
1932	7736	8926	9223	9223	8628	9223	64228	61936	14876	15372	15372	14876	239619
1933	24396	17851	18446	18446	16661	18446	35746	34374	4463	4612	4612	4463	202516
1934	9223	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	95484
1935	7736	8926	9223	9223	8331	9223	64228	61936	14876	15372	15372	14876	239322
1936	24396	17851	18446	18446	112921	205532	178165	61936	29663	44493	15372	14876	742097
1937	24396	17851	18446	18446	228061	253485	184272	61936	14876	15372	15372	14876	867389
1938	24396	17851	159902	121299	334596	447010	291678	325449	239582	217906	15372	38074	2233114
1939	37372	17851	18446	18446	32280	97519	28519	27597	4463	4612	4612	4463	296180
1940	9223	8926	9223	9223	8628	268974	161815	61936	14876	15372	15372	14876	598444
1941	24396	17851	18446	105805	260160	273740	243051	61936	63266	140812	15372	14876	1239711
1942	24396	17851	91532	216335	207967	182765	229550	133779	14876	143875	15372	14876	1293174
1943	24396	17851	73433	291684	214936	352314	170228	61936	14876	15372	15372	14876	1267273
1944	24396	17851	18446	18446	17256	83880	47883	45898	4463	4612	4612	4463	292206
1945	13240	10413	10760	10760	142383	211928	114538	61936	14876	15372	15372	14876	636453
1946	31984	21137	257304	130503	143997	167994	72091	61936	14876	15372	15372	14876	947441
1947	24396	17851	18446	18446	16661	18446	28048	27156	4463	4612	4612	4463	187600
1948	9223	8926	9223	9223	8628	9223	39939	38477	4463	4612	4612	4463	151012
1949	12744	10711	11068	11068	9997	11068	33031	31999	4463	4612	4612	4463	149836
1950	12744	10711	11068	11068	9997	11068	61666	58823	4463	4612	4612	4463	205295
1951	13240	10413	310679	222911	191469	141384	104873	99341	4463	4612	4612	4463	1112459
1952	13240	10413	10760	33383	202267	263198	289819	91163	255531	214960	15372	33895	1434002
1953	24396	17851	18446	143250	90997	39298	87611	83153	4463	4612	4612	4463	523151
1954	13240	10413	10760	10760	9719	10760	41414	39831	4463	4612	4612	4463	165047
1955	13240	10413	10760	10760	9719	10760	31549	30438	4463	4612	4612	4463	145789
1956	9223	8926	9223	329438	217530	159725	111647	61936	201256	160998	15372	23619	1308893
1957	24396	17851	18446	18446	18762	106741	85005	80709	4463	4612	4612	4463	388506
1958	13240	10413	10760	10760	9719	290684	368446	117867	284746	148656	15372	33197	1313860
1959	24396	17851	18446	18446	29761	51259	28818	27877	4463	4612	4612	4463	235004
1960	9223	8926	9223	9223	8628	9223	24890	24194	2975	3074	3074	2975	115628
1961	7736	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	93997
1962	7736	8926	9223	9223	8331	9223	94936	90022	4463	4612	4612	4463	255770
1963	13240	10413	10760	10760	9719	10760	64228	61936	14876	15372	15372	14876	252312
1964	24396	17851	39507	26786	28264	18446	28163	27263	4463	4612	4612	4463	228826
1965	9223	8926	9223	279108	193261	157121	165613	61936	14876	30885	54386	38241	1022797
1966	24396	24641	186866	114312	113083	90047	32234	31252	4463	4612	4612	4463	634980
1967	12744	10711	11068	11068	9997	264957	295113	61936	243976	389261	24581	33291	1368703
1968	24396	17851	18446	18446	26957	85519	28982	28031	4463	4612	4612	4463	266779
1969	9223	8926	9223	201958	343326	276872	307920	255152	437737	233827	15543	40801	2140509
1970	41580	17851	77990	368924	190923	217743	64228	61936	14876	15372	15372	14876	1101670
1971	24396	17851	18446	48038	106206	111436	66507	63363	4463	4612	4612	4463	474393
1972	13240	10413	10760	10760	10066	10760	30574	29524	2975	3074	3074	2975	138195
1973	9223	8926	9223	9223	8331	152493	80079	61936	14876	15372	15372	14876	399930
1974	24396	17851	117234	221715	98328	186943	163565	61936	14876	24905	15372	20682	967802
1975	36391	17851	18446	18446	143145	269090	94272	61936	96100	73105	23272	35055	887109
1976	65532	17851	18446	18446	17256	18446	20656	20224	2975	3074	3074	2975	208955
1977	7736	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	93997
1978	7736	8926	9223	9223	8331	9223	64228	61936	97281	15372	15372	40469	347320
1979	24396	17851	18446	91790	217863	253731	131782	150433	14876	15372	15372	14876	966788
1980	24396	17851	18446	270211	398544	247642	126898	61936	220677	203583	15678	42069	1647929
1981	24396	17851	18446	18446	16661	93746	29251	28454	4463	4612	4612	4463	265401
1982	12744	10711	11068	186489	355505	347511	476967	204550	266769	212349	27036	144171	2255869
1983	192530	116283	290878	323289	369164	955074	333857	272798	172273	368517	157778	100218	3652658
1984	47377	258075	412390	231578	202851	179546	64228	61936	14876	15372	15372	14876	1518476
1985	24396	17851	18446	18446	16661	47926	39746	33325	4463	4612	4612	4463	234947
1986	9223	8926	9223	9223	382406	437768	138900	61936	207112	38928	15372	29666	1348683
1987	24396	17851	18446	18446	16661	18446	24999	24296	2975	3074	3074	2975	175639
1988	7736	8926	9223	9223	8628	9223	19295	18947	2975	3074	3074	2975	103299
1989	7736	8926	9223	9223	8331	9223	26514	25716	2975	3074	3074	2975	116990
1990	7736	8926	9223	9223	8331	9223	19863	19480	2975	3074	3074	2975	104103
1991	7736	8926	9223	9223	8331	9223	26392	25603	2975	3074	3074	2975	116755
1992	7736	8926	9223	9223	8628	9223	20498	20075	2975	3074	3074	2975	105630
1993	7736	8926	9223	9223	8331	9223	97786	61936	86860	128717	15372	29010	472343
1994	24396	17851	18446	18446	16661	18446	26770	25956	2975	3074	3074	2975	179070
1995	7736	8926	9223	9223	88704	523296	264186	453232	222315	510342	100903	33448	2231535
1996	24396	17851	18446	55374	330008	284759	143075	61936	171883	47571	15372	20736	1191408
1997	51137	42326	396693	901411	224161	171102	64228	61936	14876	15372	15372	14876	1973489
1998	24396	17851	18446	114954	406461	336494	250527	303221	205043	344784	43462	25557	2091196
Average	20846	18253	43495	75893	96134	133049	101627	70083	54852	53942	13676	15551	697402

**Table R6 MID La Grange Diversion - Acre-feet
No_Project**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	20471	6890	5800	8900	8144	15767	30946	43330	45304	49815	46431	29615	311414
1922	26112	6545	5800	8900	6000	6600	24286	40687	45576	49982	46744	30909	298139
1923	19182	4200	5800	8900	6000	17060	20644	41494	43469	47982	43944	23991	282664
1924	22114	7764	5800	8900	8589	29543	36378	35574	34653	38199	35282	22028	284825
1925	6335	3795	5425	8555	5655	7434	19328	30914	42507	47982	43944	28142	250017
1926	22600	7034	5800	8900	6000	21700	28142	43952	43897	47982	43944	28509	308459
1927	21869	4200	5800	8900	6000	8998	23143	42990	42934	47982	43944	28265	285023
1928	9409	4200	5800	8900	6000	9487	32614	43845	44004	47982	43944	28509	284694
1929	24801	4200	5800	8900	6000	14128	29639	41234	34091	44482	40944	25265	279483
1930	20801	8498	5800	8900	6000	11930	31458	33575	34653	38199	34452	21405	255672
1931	15885	3795	5425	8555	5655	17815	23802	21374	21776	25635	23825	14930	188472
1932	11397	2985	4675	7865	4965	7868	30377	39250	44004	47768	43944	28509	273606
1933	25046	8254	5800	8900	6000	12419	37530	34487	38062	41699	38282	25028	281507
1934	19264	7763	5425	8555	5655	12002	25302	25352	23674	28466	26511	16257	204227
1935	10623	3168	4844	8020	5120	5568	12489	38715	44004	47982	43701	28509	252742
1936	11365	6545	5800	8900	6000	8264	22749	38074	41652	47555	43944	26921	267770
1937	17470	8498	5800	8900	6000	6600	18145	42563	43897	47982	43944	28509	278307
1938	21136	6545	5800	8900	6000	6600	19328	41387	43683	47661	43944	27165	278149
1939	14052	7523	5800	8900	6000	9243	40506	41173	44004	47982	43944	21303	290429
1940	22114	8254	5800	8900	6000	6600	20644	42777	44004	47982	43944	28387	285404
1941	21136	8254	5800	8900	6000	6600	12357	39463	43897	47982	43944	28509	272840
1942	18204	7278	5800	8900	6000	8023	8000	34760	44004	47982	43944	28509	261403
1943	21869	4200	5800	8900	6000	6600	17355	42242	44004	47982	43944	28509	277404
1944	21136	7278	5800	8900	6000	11930	28142	44058	43683	47982	43944	28265	297116
1945	10876	4200	5800	8900	6000	6600	24458	42563	43041	47982	43944	26678	271041
1946	9654	4200	5800	8900	6000	8023	28799	38929	44004	47768	43944	28021	274040
1947	19427	7034	5800	8900	8345	29458	46557	43738	42400	47982	43944	28265	331848
1948	10143	4200	5800	8900	8345	11441	27352	32944	43790	47982	43944	28387	273225
1949	15272	8254	5800	8900	8345	16326	40324	36122	38153	41699	38282	25028	282505
1950	21964	7556	5425	8555	5655	9303	32877	42777	44004	47982	43944	23746	293786
1951	10632	4200	5800	8900	6000	10465	26563	42990	44004	47982	43944	28509	279988
1952	16984	4200	5800	8900	6000	9976	19197	42670	43469	45951	43944	28387	275478
1953	25046	4200	5800	8900	6000	18282	32614	42456	41652	47982	42722	28387	304041
1954	21380	7278	5800	8900	8589	20969	40244	43418	42721	47982	43944	28509	319734
1955	25046	4200	5800	8900	6000	13152	21039	40105	44004	47982	43944	26799	286969
1956	24801	4200	5800	8900	6000	16084	26168	38929	44004	47982	43944	26189	293000
1957	19913	8498	5800	8900	6000	23412	39980	35402	43576	47982	43944	26921	310328
1958	10143	7764	5800	8900	6000	6600	8000	31447	43362	47982	43944	27899	247841
1959	25046	8254	5800	8900	6000	13883	41427	43952	44004	47982	43701	14463	303411
1960	25046	8498	5800	8900	6000	31962	32129	35120	34653	38199	35282	21613	283203
1961	17548	3795	5425	8555	5655	14700	21197	22079	22952	25635	23556	14930	186028
1962	11800	2985	4675	7865	4965	7197	29062	44593	44004	47982	43944	28509	277581
1963	18204	7034	5800	8900	6000	6600	16698	39891	43897	47982	43944	27532	272481
1964	10387	4200	5800	8900	8345	29275	44846	44486	41438	47875	43944	28387	317883
1965	11365	4200	5800	8900	6000	11930	27615	43845	44004	47768	38692	28265	278383
1966	24312	4200	5800	8900	6000	13152	34718	43952	43362	47555	43944	28509	304404
1967	25046	4200	5800	8900	6000	8754	13277	39250	40904	47982	43944	28509	272564
1968	22845	4200	5800	8900	8345	8264	36428	43952	44004	47982	41746	28509	300974
1969	15272	4200	5800	8900	6000	10221	22881	43738	44004	47982	43944	25455	278396
1970	16006	4200	5800	8900	6000	10465	31299	44914	43576	47982	43944	28509	291594
1971	20158	4200	5800	8900	6000	11685	29194	41814	44004	47982	43944	28265	291944
1972	20891	6545	5800	8900	6000	27662	43531	45021	43362	47982	43944	26921	326558
1973	16006	4200	5800	8900	6000	6600	23406	44058	43790	47982	43944	28509	279194
1974	4500	4200	5800	8900	6000	8509	18013	41921	42186	43707	43944	28509	256189
1975	11852	6789	5800	8900	6000	6600	27615	43524	44004	47982	39181	28509	276755
1976	11610	7523	5800	8900	8589	35443	31458	35574	34471	38108	30818	20159	268454
1977	13601	6103	5425	8555	8171	27471	24886	19786	22952	25635	23959	14192	200736
1978	9381	2985	4675	7865	4965	5385	11699	38929	44004	47982	43944	22768	244581
1979	25046	4200	5800	8900	6000	8754	26431	43738	44004	47127	43944	28509	292452
1980	13319	4200	5800	8900	6000	8509	23933	41814	44004	44562	43944	28509	273493
1981	24801	8498	5800	8900	6000	8023	31956	44379	44004	47982	43944	28509	302795
1982	11610	4200	5800	8900	6000	6600	13672	41921	42400	47982	43944	16295	249323
1983	9654	4200	5800	8900	6000	6600	12357	39356	44004	47982	42722	15196	242770
1984	19182	4200	5800	8900	6000	13152	35376	45234	44004	47982	43944	28387	302161
1985	9654	4200	5800	8900	6000	9976	31562	44700	42828	47982	43944	28021	283567
1986	15761	4200	5800	8900	6000	6600	19987	41173	44004	47982	43944	28142	272493
1987	17226	8254	5800	8900	6000	6600	35690	41234	40504	44482	40944	25509	281142
1988	12984	6545	5800	8900	6000	22189	20201	27449	27515	31650	29379	18398	217010
1989	14751	3373	5034	8195	5295	10548	33694	35393	34653	38199	34764	13099	236999
1990	8827	6311	5425	8555	5655	28612	24963	18267	23763	26506	24744	15338	196967
1991	5534	6117	4727	7913	7252	5441	27087	32545	30034	35301	31812	20421	214183
1992	10436	7042	5252	8396	5496	6008	15238	27198	26089	29610	27666	17344	185776
1993	11759	3250	4921	8091	5191	5650	23011	36364	41545	47982	43944	28509	260216
1994	21869	4200	5800	8900	6000	28297	30166	28730	40504	44482	40944	25265	285156
1995	15913	4200	5800	8900	6000	6600	16566	33051	41011	47982	43944	28509	258475
1996	25046	8498	5800	8900	6000	8754	24064	30914	43897	47982	43944	28509	282306
1997	11610	4200	5800	8900	6000	19502	42479	44165	43255	47982	43944	28509	306346
1998	23578	4200	5800	8900	6000	8023	20117	20546	40583	47982	43944	28387	258059
Average	16989	5567	5669	8779	6218	12680	26633	38415	40638	44954	41131	25488	273161

**Table R7 Don Pedro Storage - Acre-feet
No_Project**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1921	1269225	1279595	1346872	1608547	1690000	1690000	1713000	1739507	1910059	1786776	1646991	1573726
1922	1488359	1470079	1503309	1583381	1690000	1690000	1713000	1909122	2030000	1910000	1773314	1696453
1923	1635457	1641099	1690000	1690000	1690000	1690000	1713000	1769001	1792847	1729661	1598852	1552848
1924	1485274	1466105	1462328	1443677	1432847	1347704	1271795	1200163	1106545	1006418	913110	867041
1925	871541	885786	1004548	1068427	1242492	1390848	1496893	1567168	1677590	1586998	1457859	1391704
1926	1329934	1317888	1321992	1321376	1382567	1406920	1512531	1559178	1466871	1309490	1173031	1100101
1927	1037276	1076819	1160233	1184641	1429732	1594432	1713000	1729898	1932716	1864725	1730214	1659032
1928	1637714	1669345	1690000	1690000	1690000	1690000	1713000	1770601	1740653	1589688	1455500	1382225
1929	1301326	1293336	1292667	1279568	1286959	1296740	1315685	1333344	1371160	1250401	1138688	1075365
1930	1018448	998059	1049844	1076758	1116996	1170814	1180193	1180762	1191886	1084725	987902	939515
1931	897154	899779	975329	995297	1009031	969531	884544	838723	768744	678477	606313	577952
1932	544821	539808	679876	830386	1085871	1226347	1221541	1290289	1429480	1389941	1265747	1194855
1933	1108387	1079516	1066619	1056800	1106355	1139837	1085206	1078678	1138985	1038333	936802	882887
1934	827931	811276	881973	913268	966323	1035645	981090	918309	873409	782322	707139	678585
1935	662520	676120	769409	903400	1038341	1188221	1453433	1553333	1725748	1617985	1484433	1403277
1936	1367264	1359137	1357326	1412155	1690000	1690000	1713000	1839318	2030000	1910000	1771437	1694282
1937	1642260	1617500	1617697	1614665	1690000	1690000	1713000	1817637	2023992	1896760	1761841	1682936
1938	1610613	1598259	1690000	1690000	1690000	1690000	1690000	1730000	2025000	1910000	1788338	1700000
1939	1660000	1655654	1676832	1681052	1690000	1690000	1675408	1618198	1500631	1343585	1209577	1173926
1940	1133730	1122970	1200015	1359183	1641165	1690000	1713000	1791901	1946321	1792916	1654045	1571338
1941	1502609	1482817	1603223	1690000	1690000	1690000	1690000	1814939	2030000	1910000	1775503	1697517
1942	1640414	1629161	1690000	1690000	1690000	1690000	1713000	1765000	2003568	1910000	1775687	1693363
1943	1614090	1652089	1690000	1690000	1690000	1690000	1713000	1766520	1926411	1849116	1714901	1633371
1944	1562453	1545375	1542084	1535422	1630045	1690000	1700771	1733673	1696841	1574196	1440619	1367686
1945	1343345	1391705	1540087	1554026	1690000	1690000	1713000	1756271	1945433	1890220	1747519	1665350
1946	1660000	1690000	1690000	1690000	1690000	1690000	1713000	1741678	1802818	1605651	1506289	1425659
1947	1368007	1384849	1530273	1529048	1554147	1528265	1493346	1451852	1383804	1244513	1120234	1057249
1948	1060141	1061239	1118505	1124868	1108819	1099019	1147970	1253217	1405143	1287678	1155937	1087229
1949	1045904	1028777	1060968	1050786	1056668	1208776	1224931	1264240	1296218	1168640	1054691	997331
1950	9325118	920108	948562	968024	1137311	1274466	1309889	1325718	1408050	1270650	1141492	1087901
1951	1085282	1508150	1690000	1690000	1690000	1690000	1668117	1591835	1628929	1484388	1355798	1282268
1952	1242053	1250035	1423118	1690000	1690000	1690000	1690000	1895000	2030000	1910000	1786649	1700000
1953	1616370	1603612	1631887	1690000	1690000	1690000	1664171	1622106	1654212	1613945	1492680	1424064
1954	1360463	1360190	1367592	1374861	1433959	1590219	1651167	1730722	1738008	1587096	1449272	1375384
1955	1298649	1298725	1320945	1363525	1439225	1491943	1505093	1514008	1464400	1311511	1172682	1105821
1956	1034698	1030133	1583380	1690000	1690000	1690000	1713000	1840676	2030000	1910000	1777861	1700000
1957	1640912	1621532	1623997	1618916	1690000	1690000	1609342	1636228	1762685	1625625	1493713	1424207
1958	1407972	1396871	1425768	1456491	1672736	1690000	1690000	1910000	2030000	1910000	1785182	1700000
1959	1612984	1587226	1570921	1594670	1690000	1690000	1668699	1601484	1504716	1348372	1212762	1214528
1960	1139152	1124286	1165574	1183243	1266780	1303357	1313284	1308071	1220030	1099482	1000282	956401
1961	911791	911246	959200	990575	1001816	969444	923971	885328	827235	746185	679964	651724
1962	6185558	613567	641273	657500	878076	1055946	1096360	1069295	1227250	1143689	1017778	950680
1963	909152	899365	960313	993105	1192508	1272356	1425952	1565560	1837693	1798997	1671991	1606358
1964	1585453	1634869	1690000	1690000	1690000	1649738	1576640	1546339	1554470	1408117	1280745	1213996
1965	1200671	1224251	1649870	1690000	1690000	1690000	1690000	1713000	1756679	1915681	1910000	1790000
1966	1617538	1690000	1690000	1690000	1690000	1690000	1681904	1628995	1503284	1348347	1212993	1147145
1967	1074019	1107917	1332818	1527048	1680699	1690000	1690000	1875864	2030000	1910000	1790000	1700000
1968	1621388	1609492	1615551	1621943	1690000	1690000	1669438	1613046	1541358	1383171	1255276	1181944
1969	1146477	1176096	1335252	1690000	1690000	1690000	1690000	1930000	2030000	1910000	1790000	1700000
1970	1660000	1665753	1690000	1690000	1690000	1690000	1699212	1678298	1708132	1586116	1460902	1389046
1971	1330946	1374218	1556862	1690000	1690000	1690000	1681171	1652896	1651625	1552218	1430910	1367909
1972	1307948	1313806	1462448	1543318	1630824	1641975	1536848	1476385	1402262	1253818	1130762	1068528
1973	1031098	1044459	1195779	1395884	1631650	1690000	1717600	1765575	1876291	1727232	1595022	1518185
1974	1511792	1601424	1690000	1690000	1690000	1690000	1717600	1775769	1995118	1910000	1778680	1700000
1975	1660000	1646701	1657478	1666734	1690000	1690000	1717600	1818629	2030000	1910000	1790000	1700000
1976	1660000	1661566	1687337	1660112	1643133	1530603	1448191	1357133	1257922	1136520	1057195	1028954
1977	993944	987104	1009236	1010663	989715	879946	766793	710778	642862	554313	482988	455386
1978	428685	422857	478580	643853	854800	1123005	1331498	1477086	1761000	1853314	1730732	1700000
1979	1625848	1629220	1635609	1690000	1690000	1690000	1690000	1717600	1839590	1701689	1568956	1498244
1980	1467393	1470388	1509508	1690000	1690000	1690000	1717600	1824514	1960200	1910000	1790000	1700000
1981	1619489	1593701	1590304	1601840	1657339	1690000	1709315	1689075	1599222	1447221	1326731	1263014
1982	1254534	1361785	1586562	1690000	1690000	1690000	1717600	1876400	2002900	1910000	1790000	1700000
1983	1660000	1690000	1690000	1690000	1690000	1294700	1264000	1270800	1851400	1910000	1790000	1700000
1984	1660000	1690000	1690000	1690000	1690000	1690000	1648744	1665680	1773176	1648746	1513578	1436125
1985	1421123	1456542	1544143	1596306	1618883	1690000	1717600	1671694	1575952	1424344	1300596	1240973
1986	1214999	1236488	1381525	1493134	1690000	1690000	1717600	1886010	2001400	1910000	1777209	1700000
1987	1642159	1616648	1602894	1571881	1571180	1601494	1540563	1455188	1355305	1224937	1117265	1063055
1988	1039528	1035124	1074538	1128428	1209850	1186445	1146117	1089156	1020230	931064	855072	820976
1989	784302	791542	834179	860892	892406	1039059	1073558	1091684	1153977	1033331	930610	928149
1990	955615	950419	1006192	1027413	1062745	1034008	996412	999270	1004298	920750	836016	792838
1991	777697	767700	791868	791234	768286	842200	883852	931753	1010246	956466	885303	855870
1992	855995	849283	889528	908919	972096	1052206	1068756	1125829	1076604	1018491	932697	883044
1993	860458	848828	906887	1184274	1388710	1639113	1717600	1827392	2030000	1910000	1784435	1700000
1994	1628853	1610440	1600291	1590477	1599645	1587065	1581766	1591453	1484683	1342913	1228164	1172163
1995	1128107	1147812	1283328	1603976	1690000	1690000	1717600	1629700	1982800	1910000	1790000	1700000
1996	1609968	1580944	1614597	1690000	1690000	1690000	1717600	1996120	2030000	1910000	1776361	1700000
1997	1660000	1690000	1690000	1690000	1690000	1690000	1673292	1809080	1896637	1804910	1699043	1650616
1998	1604018	1596123	1605866									

**Table R8 Don Pedro EOM Elev - Ft
No_Project**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1921	760.3	761.4	768.7	794.4	801.8	801.8	803.8	806.2	820.5	810.3	798.0	791.2
1922	783.0	781.3	784.5	792.1	801.8	801.8	803.8	820.4	830.0	820.5	809.1	802.4
1923	796.9	797.4	801.8	801.8	801.8	801.8	803.8	808.7	810.8	805.3	793.5	789.3
1924	782.7	780.9	780.5	778.6	777.5	768.8	760.6	752.5	741.4	728.8	716.1	709.6
1925	710.3	712.3	728.5	736.7	757.3	773.2	783.9	790.6	800.8	792.5	780.1	773.3
1926	766.8	765.5	766.0	765.9	772.4	774.9	785.4	789.9	780.9	764.6	749.4	740.6
1927	732.7	737.7	747.8	750.7	777.2	793.1	803.8	805.3	822.3	816.8	805.4	799.1
1928	797.1	800.0	801.8	801.8	801.8	801.8	803.8	808.9	806.3	792.7	779.8	772.4
1929	763.8	762.9	762.8	761.4	762.2	763.3	765.3	767.2	771.2	758.2	745.3	737.5
1930	730.3	727.6	734.3	737.7	742.6	749.1	750.2	750.3	751.5	738.7	726.3	719.8
1931	713.9	714.2	724.6	727.3	729.1	723.8	712.1	705.4	694.7	679.9	667.1	661.8
1932	655.4	654.4	680.2	704.1	738.9	755.5	754.9	762.6	777.2	773.1	759.9	751.9
1933	741.6	738.1	736.4	735.2	741.4	745.4	738.8	738.0	745.3	732.9	719.5	711.9
1934	703.8	701.5	711.7	716.1	723.4	732.5	725.4	716.8	710.5	696.8	684.7	679.9
1935	677.1	679.5	694.8	714.7	732.9	751.1	779.6	789.3	805.0	795.3	782.6	774.5
1936	770.8	770.0	769.8	775.4	801.8	801.8	803.8	814.7	830.0	820.5	809.0	802.2
1937	797.5	795.3	795.3	795.0	801.8	801.8	803.8	812.9	829.5	819.4	808.1	801.2
1938	794.6	793.5	801.8	801.8	801.8	801.8	801.8	805.3	829.6	820.5	810.4	802.7
1939	799.2	798.8	800.7	801.1	801.8	801.8	800.6	795.3	784.2	768.3	753.6	749.5
1940	744.7	743.4	752.5	770.0	797.4	801.8	803.8	810.7	823.4	810.8	798.6	791.0
1941	784.4	782.5	793.9	801.8	801.8	801.8	801.8	812.6	830.0	820.5	809.3	802.5
1942	797.4	796.3	801.8	801.8	801.8	801.8	803.8	808.4	827.9	820.5	809.3	802.1
1943	794.9	798.4	801.8	801.8	801.8	801.8	803.8	808.5	821.8	815.5	804.0	796.7
1944	790.2	788.6	788.2	787.6	796.4	801.8	802.8	805.7	802.4	791.3	778.3	770.9
1945	768.3	773.3	788.0	789.4	801.8	801.8	803.8	807.6	823.3	818.9	806.9	799.7
1946	799.2	801.8	801.8	801.8	801.8	801.8	803.8	806.4	811.6	798.3	784.8	776.8
1947	770.9	772.6	787.1	787.0	789.4	786.9	783.5	779.5	772.5	757.5	743.0	735.2
1948	735.6	735.7	742.8	743.6	741.7	740.5	746.4	758.5	774.7	762.3	747.3	739.0
1949	733.8	731.7	735.7	734.4	735.2	753.5	755.3	759.8	763.2	748.8	734.9	727.6
1950	718.8	717.1	721.0	723.6	745.1	760.9	764.7	766.4	775.0	760.5	745.6	739.1
1951	738.8	784.9	801.8	801.8	801.8	801.8	801.8	799.9	792.9	796.3	782.6	769.6
1952	757.2	758.1	776.5	801.8	801.8	801.8	801.8	819.3	830.0	820.5	810.3	802.7
1953	795.2	794.0	796.6	801.8	801.8	801.8	799.6	795.7	798.6	794.9	783.4	776.6
1954	770.1	770.1	770.9	771.6	777.6	792.8	798.4	805.4	806.0	792.5	779.2	771.7
1955	763.5	763.5	765.9	770.4	778.2	783.4	784.7	785.5	780.7	764.9	749.3	741.3
1956	732.4	731.8	792.1	801.8	801.8	801.8	803.8	814.8	830.0	820.5	809.5	802.7
1957	797.4	795.6	795.9	795.4	801.8	801.8	794.5	797.0	808.2	796.0	783.5	776.6
1958	775.0	773.8	776.8	779.9	800.3	801.8	801.8	820.5	830.0	820.5	810.2	802.7
1959	794.8	792.5	791.0	793.2	801.8	801.8	800.0	793.8	784.6	768.8	753.9	754.1
1960	745.3	743.5	748.5	750.6	760.0	764.0	765.1	764.5	754.7	740.5	727.9	722.1
1961	715.9	715.9	722.5	726.6	728.1	723.8	717.6	712.2	703.7	691.1	680.2	675.2
1962	669.4	668.4	673.4	676.2	711.2	735.1	740.2	736.8	755.6	745.9	730.3	721.3
1963	715.6	714.2	722.6	727.0	751.6	760.6	776.8	790.5	814.5	811.3	800.3	794.2
1964	792.3	796.9	801.8	801.8	801.8	798.2	791.5	788.6	789.4	775.0	761.5	754.1
1965	752.5	755.2	798.2	801.8	801.8	801.8	803.8	807.7	821.0	820.5	810.6	802.7
1966	795.3	801.8	801.8	801.8	801.8	801.8	801.1	796.3	784.5	768.8	753.9	746.3
1967	737.4	741.6	767.2	786.8	801.0	801.8	801.8	817.7	830.0	820.5	810.6	802.7
1968	795.6	794.5	795.1	795.7	801.8	801.8	800.0	794.9	788.2	772.4	758.7	750.4
1969	746.2	749.7	767.4	801.8	801.8	801.8	801.8	822.1	830.0	820.5	810.6	802.7
1970	799.2	799.7	801.8	801.8	801.8	801.8	802.6	800.8	803.4	792.4	780.4	773.0
1971	767.0	771.5	789.7	801.8	801.8	801.8	801.1	798.5	798.4	789.2	777.3	770.9
1972	764.5	765.1	780.5	788.4	796.5	797.5	787.7	781.9	774.4	758.6	744.3	736.7
1973	731.9	733.6	752.0	773.7	796.6	801.8	804.3	808.4	817.7	805.1	793.2	785.9
1974	785.3	793.8	801.8	801.8	801.8	801.8	804.3	809.3	827.2	820.5	809.6	802.7
1975	799.2	797.9	798.9	799.8	801.8	801.8	804.3	812.9	830.0	820.5	810.6	802.7
1976	799.2	799.3	801.6	799.2	797.6	787.1	779.1	769.8	759.0	745.0	735.2	731.7
1977	727.1	726.2	729.1	729.3	726.5	711.4	694.4	685.3	673.7	657.3	642.8	636.7
1978	630.7	629.4	641.8	673.8	707.8	743.4	767.0	781.9	808.0	815.8	805.4	802.7
1979	796.0	796.3	796.9	801.8	801.8	801.8	801.8	804.3	814.7	802.9	790.8	784.0
1980	781.0	781.3	785.1	801.8	801.8	801.8	804.3	813.4	824.5	820.5	810.6	802.7
1981	795.4	793.1	792.8	793.8	798.9	801.8	803.5	801.8	793.6	779.0	766.5	759.6
1982	758.7	770.3	792.4	801.8	801.8	801.8	804.3	817.7	827.9	820.5	810.6	802.7
1983	799.2	801.8	801.8	801.8	801.8	763.0	759.7	760.5	815.7	820.5	810.6	802.7
1984	799.2	801.8	801.8	801.8	801.8	801.8	798.1	799.7	809.1	798.1	785.5	777.9
1985	776.3	779.9	788.4	793.3	795.4	801.8	804.3	800.2	791.4	776.7	763.7	757.1
1986	754.2	756.6	772.3	783.5	801.8	801.8	804.3	818.5	827.7	820.5	809.5	802.7
1987	797.5	795.2	793.9	791.1	791.0	793.8	788.1	779.8	769.6	755.3	742.7	736.0
1988	733.0	732.5	737.4	744.0	753.6	750.9	746.1	739.3	730.6	718.6	707.8	702.7
1989	697.1	698.3	704.7	708.7	713.2	732.9	737.3	739.6	747.1	732.2	718.6	718.2
1990	722.0	721.3	728.7	731.5	735.9	732.3	727.4	727.8	728.5	717.2	705.0	698.5
1991	696.1	694.5	698.3	698.2	694.6	705.9	712.0	718.7	729.3	722.1	712.2	707.9
1992	708.0	707.0	712.8	715.5	724.2	734.6	736.7	743.7	737.7	730.4	718.9	711.9
1993	708.6	706.9	715.2	750.7	773.0	797.3	804.3	813.7	830.0	820.5	810.1	802.7
1994	796.3	794.6	793.7	792.8	793.6	792.5	792.0	792.9	782.7	768.2	755.7	749.3
1995	744.0	746.3	761.8	794.0	801.8	801.8	804.3	796.4	826.3	820.5	810.6	802.7
1996	794.6	791.9	795.0	801.8	801.8	801.8	804.3	827.3	830.0	820.5	809.4	802.7
1997	799.2	801.8	801.8	801.8	801.8	801.8	800.4	812.1	819.7	811.8	802.6	798.3
1998	794.0	793.3	794.2	801.8	801.8	801.8	804.3	803.9	826.6	820.5	810.6	802.7
Average	758.5	759.5	767.2	773.1	780.0	782.7	783.7	786.9	793.1	782.7	770.6	763.8

Table R9 La Grange River Release - Acre-feet Project

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	12744	10711	11068	11068	68883	157637	68254	64123	14876	15372	15372	14876	464984
1922	24396	17851	18446	18446	136340	226204	146273	61936	334747	106216	15372	14876	1121102
1923	24396	17851	90620	198870	110146	19416	138507	61936	14876	15372	15372	14876	722237
1924	24396	17851	18446	18446	17256	18446	14648	14589	2975	3074	3074	2975	156176
1925	7736	8926	9223	9223	8331	9223	73141	69584	4463	4612	4612	4463	213537
1926	13240	10413	10760	10760	9719	10760	31560	30449	4463	4612	4612	4463	145811
1927	9223	8926	9223	9223	8331	9223	64228	61936	14876	15372	15372	14876	240809
1928	24396	17851	18446	18446	25327	284553	83954	35902	4463	4612	4612	4463	527025
1929	12744	10711	11068	11068	9997	11068	26765	25952	2975	3074	3074	2975	131471
1930	9223	8926	9223	9223	8331	9223	27044	26214	2975	3074	3074	2975	119505
1931	9223	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	95484
1932	7736	8926	9223	9223	8628	9223	64228	61936	14876	15372	15372	14876	239619
1933	24396	17851	18446	18446	16661	18446	35746	34374	4463	4612	4612	4463	202516
1934	9223	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	95484
1935	7736	8926	9223	9223	8331	9223	64228	61936	14876	15372	15372	14876	239322
1936	24396	17851	18446	18446	17256	148025	175565	61936	23872	41393	15372	14876	577434
1937	24396	17851	18446	18446	209482	250885	181672	61936	14876	15372	15372	14876	843610
1938	24396	17851	136947	119099	332396	444410	289078	322649	236582	214806	15372	31884	2185469
1939	34372	17851	18446	18446	22878	94919	28519	27597	4463	4612	4612	4463	281178
1940	9223	8926	9223	9223	8628	236486	159215	61936	14876	15372	15372	14876	563356
1941	24396	17851	18446	80646	257960	271140	240451	61936	57475	137712	15372	14876	1198261
1942	24396	17851	77358	214135	205767	180165	226950	130979	14876	137788	15372	14876	1260513
1943	24396	17851	59260	289484	212736	349714	167628	61936	14876	15372	15372	14876	1243499
1944	24396	17851	18446	18446	17256	53928	47883	45898	4463	4612	4612	4463	262254
1945	13240	10413	10760	10760	112479	209328	111938	61936	14876	15372	15372	14876	601349
1946	24396	17851	245220	128303	141797	165394	69491	61936	14876	15372	15372	14876	914883
1947	24396	17851	18446	18446	16661	18446	28048	27156	4463	4612	4612	4463	187600
1948	9223	8926	9223	9223	8628	9223	39939	38477	4463	4612	4612	4463	151012
1949	12744	10711	11068	11068	9997	11068	33031	31999	4463	4612	4612	4463	149836
1950	12744	10711	11068	11068	9997	11068	61666	58823	4463	4612	4612	4463	205295
1951	13240	10413	240640	221386	189944	140129	104873	99341	4463	4612	4612	4463	1038115
1952	13240	10413	10760	10760	194989	260598	287219	88363	252531	211860	15372	27705	1383812
1953	24396	17851	18446	133049	88797	36698	87611	83153	4463	4612	4612	4463	508150
1954	13240	10413	10760	10760	9719	10760	41414	39831	4463	4612	4612	4463	165047
1955	13240	10413	10760	10760	9719	10760	31549	30438	4463	4612	4612	4463	145789
1956	9223	8926	9223	238829	215330	157125	109047	61936	195464	157898	15372	17429	1195802
1957	24396	17851	18446	18446	16661	93844	85005	80709	4463	4612	4612	4463	373508
1958	13240	10413	10760	10760	9719	258189	365846	115067	281746	145556	15372	27006	1263674
1959	24396	17851	18446	18446	17359	48659	28818	27877	4463	4612	4612	4463	220003
1960	9223	8926	9223	9223	8628	9223	24890	24194	2975	3074	3074	2975	115628
1961	7736	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	93997
1962	7736	8926	9223	9223	8331	9223	94936	90022	4463	4612	4612	4463	255770
1963	13240	10413	10760	10760	9719	10760	64228	61936	14876	15372	15372	14876	252312
1964	24396	17851	18446	18446	17256	18446	28163	27263	4463	4612	4612	4463	188417
1965	9223	8926	9223	194033	191061	154521	163013	61936	14876	22018	51286	35141	915256
1966	24396	19042	184466	112112	110883	87447	32234	31252	4463	4612	4612	4463	619981
1967	12744	10711	11068	11068	9997	232469	292513	61936	238185	386161	21481	30191	1318524
1968	24396	17851	18446	18446	17256	80220	28982	28031	4463	4612	4612	4463	251778
1969	9223	8926	9223	174261	341126	274272	305320	252352	434737	230727	15372	34782	2090321
1970	38580	17851	72990	366724	188723	215143	64228	61936	14876	15372	15372	14876	1086670
1971	24396	17851	18446	20336	104006	108836	66507	63363	4463	4612	4612	4463	441891
1972	13240	10413	10760	10760	10066	10760	30574	29524	2975	3074	3074	2975	138195
1973	9223	8926	9223	9223	8331	88227	77479	61936	14876	15372	15372	14876	333064
1974	24396	17851	94283	219515	96128	184343	160965	61936	14876	16038	15372	14876	920577
1975	33007	17851	18446	18446	133743	266490	91672	61936	90309	70005	20172	31955	854032
1976	62532	17851	18446	18446	17256	18446	20656	20224	2975	3074	3074	2975	205955
1977	7736	8926	9223	9223	8331	9223	14648	14589	2975	3074	3074	2975	93997
1978	7736	8926	9223	9223	8331	9223	64228	61936	33056	15372	15372	31202	273828
1979	24396	17851	18446	81589	215663	251131	129182	147633	14876	15372	15372	14876	946387
1980	24396	17851	18446	247806	396344	245042	124298	61936	214886	200483	15372	36183	1603041
1981	24396	17851	18446	18446	16661	78749	29251	28454	4463	4612	4612	4463	250404
1982	12744	10711	11068	158790	353305	344911	474367	201750	263769	209249	23936	141071	2205670
1983	189530	113683	288478	321089	366964	952474	331257	269998	169273	365417	154678	97118	3619958
1984	44377	255475	409990	229378	200651	176946	64228	61936	14876	15372	15372	14876	1503476
1985	24396	17851	18446	18446	16661	18446	34627	33325	4463	4612	4612	4463	200348
1986	9223	8926	9223	9223	354570	435168	136300	61936	201321	35828	15372	23476	1300565
1987	24396	17851	18446	18446	16661	18446	24999	24296	2975	3074	3074	2975	175639
1988	7736	8926	9223	9223	8628	9223	19295	18947	2975	3074	3074	2975	103299
1989	7736	8926	9223	9223	8331	9223	26514	25716	2975	3074	3074	2975	116990
1990	7736	8926	9223	9223	8331	9223	19863	19480	2975	3074	3074	2975	104103
1991	7736	8926	9223	9223	8331	9223	26392	25603	2975	3074	3074	2975	116755
1992	7736	8926	9223	9223	8628	9223	20498	20075	2975	3074	3074	2975	105630
1993	7736	8926	9223	9223	8331	9223	65322	61936	81068	125617	15372	22820	424798
1994	24396	17851	18446	18446	16661	18446	26770	25956	2975	3074	3074	2975	179070
1995	7736	8926	9223	9223	44128	520696	261586	450432	219315	507242	97803	30348	2166658
1996	24396	17851	18446	45173	327808	282159	140475	61936	166091	44471	15372	14876	1159055
1997	47808	39726	394293	899211	221961	168502	64228	61936	14876	15372	15372	14876	1958160
1998	24396	17851	18446	87244	404261	333894	249727	300421	202043	341684	40362	22457	2040986
Average	20470	18039	40595	70322	90891	127934	99713	69724	52979	52921	13392	14375	671355

**Table R10 MID La Grange Diversion - Acre-feet
Project**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	23471	9490	8200	11100	10344	18367	33546	46130	48304	52915	49531	32715	344114
1922	29112	9145	8200	11100	8200	9200	26886	43487	48576	53082	49844	34009	330839
1923	22182	6800	8200	11100	8200	19660	23244	44294	46469	51082	47044	27091	315364
1924	25114	10364	8200	11100	10789	32143	38588	37954	37203	40834	37917	24663	314870
1925	8885	6005	7465	10425	7525	9644	21928	33714	45507	51082	47044	31242	280467
1926	25600	9634	8200	11100	8200	24300	27105	40865	40612	44334	40917	27663	308530
1927	21814	6005	7465	10425	7525	10473	25743	45790	45934	51082	47044	31365	310663
1928	12409	6800	8200	11100	8200	12087	35214	46645	47004	51082	47044	31609	317394
1929	27801	6800	8200	11100	8200	16728	27853	37954	31752	40834	37917	24455	279595
1930	20306	9973	7465	10425	7525	12965	33668	35955	37203	40834	37087	24040	277448
1931	18435	6005	7465	10425	7525	20025	25232	22914	23426	27340	25530	16635	210957
1932	13047	4415	5995	9075	6175	9298	32977	42050	47004	50868	47044	31609	299556
1933	28046	10854	8200	11100	8200	15019	39740	36867	40612	44334	40917	27663	311552
1934	21814	9973	7465	10425	7525	14212	24291	24500	22897	27340	25664	16434	212542
1935	11165	4415	5995	9075	6175	6815	15089	41515	47004	51082	46801	31609	276739
1936	14365	9145	8200	11100	8200	10864	25349	40874	44652	50655	47044	30021	300470
1937	20470	11098	8200	11100	8200	9200	20745	45363	46897	51082	47044	31609	311007
1938	24136	9145	8200	11100	8200	9200	21928	44187	46683	50761	47044	30265	310849
1939	17052	10123	8200	11100	8200	11843	43106	43973	47004	51082	47044	24403	323129
1940	25114	10854	8200	11100	8200	9200	23244	45577	47004	51082	47044	31487	318104
1941	24136	10854	8200	11100	8200	9200	14957	42263	46897	51082	47044	31609	305540
1942	21204	9878	8200	11100	8200	10623	10600	37560	47004	51082	47044	31609	294103
1943	24869	6800	8200	11100	8200	9200	19955	45042	47004	51082	47044	31609	310104
1944	24136	9878	8200	11100	8200	14530	30742	46858	46683	51082	47044	31365	329816
1945	13876	6800	8200	11100	8200	9200	27058	45363	46041	51082	47044	29778	303741
1946	12654	6800	8200	11100	8200	10623	31399	41729	47004	50868	47044	31121	306740
1947	22427	9634	8200	11100	10545	32058	49157	46538	45400	51082	47044	31365	364548
1948	13143	6800	8200	11100	10545	14041	26434	31507	40521	44334	40917	27559	275101
1949	16207	9766	7465	10425	9833	16702	42534	38502	40703	44334	40917	27663	305051
1950	24514	9766	7465	10425	7525	11513	31131	39865	40703	44334	40917	23614	291772
1951	12262	6005	7465	10425	7525	11720	29163	45790	47004	51082	47044	31609	307093
1952	19984	6800	8200	11100	8200	12576	21797	45470	46469	49051	47044	31487	308178
1953	28046	6800	8200	11100	8200	20882	35214	45256	44652	51082	45822	31487	336741
1954	24380	9878	8200	11100	10789	23569	42844	46218	45721	51082	47044	31609	352434
1955	28046	6800	8200	11100	8200	15752	23639	42905	47004	51082	47044	29899	319669
1956	27801	6800	8200	11100	8200	18684	28768	41729	47004	51082	47044	29289	325700
1957	22913	11098	8200	11100	8200	26012	42580	38202	46576	51082	47044	30021	343028
1958	13143	10364	8200	11100	8200	9200	10600	34247	46362	51082	47044	30999	280541
1959	28046	10854	8200	11100	8200	16483	44027	46752	47004	51082	46801	17563	336111
1960	28046	11098	8200	11100	8200	34562	34339	37500	37203	40834	37917	24248	313248
1961	20098	6005	7465	10425	7525	16910	22627	23619	24602	27340	25261	16635	208513
1962	13450	4415	5995	9075	6175	8627	27888	41409	40703	44334	40917	27663	270652
1963	18698	8729	7465	10425	7525	8405	19298	42691	46897	51082	47044	30632	298890
1964	13387	6800	8200	11100	10545	31875	47446	47286	44438	50975	47044	31487	350583
1965	14365	6800	8200	11100	8200	14530	30215	46645	47004	50868	41792	31365	311083
1966	27312	6800	8200	11100	8200	15752	37318	46752	46362	50655	47044	31609	337104
1967	28046	6800	8200	11100	8200	11354	15877	42050	43904	51082	47044	31609	305264
1968	25845	6800	8200	11100	10545	10864	39028	46752	47004	51082	44846	31609	333674
1969	18272	6800	8200	11100	8200	12821	25481	46538	47004	51082	47044	28555	311096
1970	19006	6800	8200	11100	8200	13065	33899	47714	46576	51082	47044	31609	324294
1971	23158	6800	8200	11100	8200	14285	31794	44614	47004	51082	47044	31365	324644
1972	23891	9145	8200	11100	8200	30262	46131	47821	46362	51082	47044	30021	359258
1973	19006	6800	8200	11100	8200	9200	26006	46858	46790	51082	47044	31609	311894
1974	7500	6800	8200	11100	8200	11109	20613	44721	45186	46807	47044	31609	288889
1975	14852	9389	8200	11100	8200	9200	30215	46324	47004	51082	42281	31609	309455
1976	14610	10123	8200	11100	10789	38043	33668	37954	37021	40743	33453	22794	298499
1977	16151	8313	7465	10425	10041	29681	26316	21326	24602	27340	25664	15897	223221
1978	11031	4415	5995	9075	6175	6815	14299	41729	47004	51082	47044	25868	270531
1979	28046	6800	8200	11100	8200	11354	29031	46538	47004	50227	47044	31609	325152
1980	16319	6800	8200	11100	8200	11109	26533	44614	47004	47662	47044	31609	306193
1981	27801	11098	8200	11100	8200	10623	34556	47179	47004	51082	47044	31609	335495
1982	14610	6800	8200	11100	8200	9200	16272	44721	45400	51082	47044	19395	282023
1983	12654	6800	8200	11100	8200	9200	14957	42156	47004	51082	45822	18296	275470
1984	22182	6800	8200	11100	8200	15752	37976	48034	47004	51082	47044	31487	334861
1985	12654	6800	8200	11100	8200	12576	34162	47500	45828	51082	47044	31121	316267
1986	18761	6800	8200	11100	8200	9200	22587	43973	47004	51082	47044	31242	305193
1987	20226	10854	8200	11100	8200	9200	38290	44034	43504	47582	44044	28609	313842
1988	15984	9145	8200	11100	8200	24789	18069	24030	23779	27340	25664	16770	213070
1989	13450	4415	5995	9075	6175	10643	35904	37773	37203	40834	37399	15734	254601
1990	11377	8521	7465	10425	7525	30822	25593	19269	24602	27340	25664	16568	215172
1991	7000	7455	5995	9075	8409	6815	21397	25500	23250	27340	25060	16770	184067
1992	9149	7455	5995	9075	6175	6815	14814	25147	24014	27222	25664	16770	178295
1993	11703	4415	5995	9075	6175	6815	25611	39164	44545	51082	47044	31609	283233
1994	24869	6800	8200	11100	8200	30897	32766	31530	43504	47582	44044	28365	317856
1995	18913	6800	8200	11100	8200	9200	19166	35851	44011	51082	47044	31609	291175
1996	28046	11098	8200	11100	8200	11354	26664	33714	46897	51082	47044	31609	315006
1997	14610	6800	8200	11100	8200	22102	45079	46965	46255	51082	47044	31609	339046
1998	26578	6800	8200	11100	8200	10623	22717	23346	43583	51082	47044	31487	290759
Average	19536	7927	7861	10788	8226	15003	28624	40433	42802	47136	43385	27994	299715

Table R11 Don Pedro Storage - Acre-feet Project

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1921	1266225	1273997	1338873	1598346	1690000	1690000	1713000	1736707	1904268	1777909	1635062	1558735
1922	1470398	1449528	1480357	1558222	1690000	1690000	1713000	1906322	2030000	1910000	1770214	1690263
1923	1626278	1629326	1690000	1690000	1690000	1690000	1713000	1766201	1787056	1720794	1586924	1537858
1924	1467314	1445555	1439377	1418520	1405488	1317754	1239647	1165704	1069643	967036	871269	822705
1925	824752	836815	953535	1015528	1187719	1333884	1437384	1505010	1612638	1519227	1387287	1318267
1926	1253648	1239045	1240745	1237906	1296891	1318675	1425407	1475362	1386620	1233244	1100163	1028332
1927	965718	1003497	1085243	1108104	1351664	1514917	1664687	1678902	1878886	1808017	1670646	1596553
1928	1572359	1601425	1639681	1650734	1690000	1690000	1713000	1767801	1734862	1580822	1443573	1367237
1929	1283369	1272789	1269719	1254414	1259602	1266794	1287554	1308566	1348806	1231794	1123194	1060735
1930	1004344	982489	1032608	1057992	1096703	1149493	1156620	1154815	1163421	1053684	954315	903377
1931	858519	858957	932465	950551	962411	920696	834329	787108	715670	623959	550365	520509
1932	485861	479456	618201	767481	1021751	1160822	1153480	1219608	1356044	1313735	1186788	1113066
1933	1023772	992351	977049	965004	1012351	1043269	986085	977141	1034914	931684	827685	771312
1934	713916	696555	763756	793145	844320	911359	857942	796351	752677	663307	589564	561269
1935	544932	557357	649490	782389	916265	1064946	1327680	1425102	1594947	1484646	1348584	1264780
1936	1226053	1215405	1211188	1263774	1635074	1690000	1713000	1836518	2030000	1910000	1768337	1688092
1937	1633082	1605727	1603523	1598287	1690000	1690000	1713000	1814837	2018201	1887893	1749910	1667944
1938	1592650	1577705	1690000	1690000	1690000	1690000	1690000	1730000	2025000	1910000	1785238	1700000
1939	1660000	1653054	1671832	1673850	1690000	1690000	1672808	1612804	1492255	1332146	1195091	1156389
1940	1113230	1099882	1174526	1331486	1611267	1690000	1713000	1789101	1940530	1784049	1642115	1556347
1941	1484647	1462266	1580271	1690000	1690000	1690000	1690000	1812139	2030000	1910000	1772403	1691327
1942	1631236	1617388	1690000	1690000	1690000	1690000	1713000	1765000	2000568	1910000	1772587	1687173
1943	1604912	1640316	1690000	1690000	1690000	1690000	1713000	1763720	1920620	1840249	1702972	1618379
1944	1544491	1524822	1519130	1510262	1602684	1690000	1698171	1728279	1688464	1562756	1426129	1350144
1945	1322839	1368611	1514591	1526324	1690000	1690000	1713000	1753471	1939642	1881352	1735589	1650358
1946	1649625	1680317	1690000	1690000	1690000	1690000	1713000	1738878	1797027	1641784	1494361	1410670
1947	1350049	1364301	1507324	1503892	1526790	1498317	1460826	1416615	1345686	1203466	1076278	1010347
1948	1010340	1008867	1063731	1067877	1049624	1037246	1087177	1194024	1349424	1235857	1107382	1039670
1949	997514	978903	1009427	997705	1002094	1153847	1167846	1204925	1234561	1104630	988347	928585
1950	861373	846795	873206	890775	1058186	1193160	1230410	1249358	1335254	1201829	1076017	1022786
1951	1018677	1439779	1690000	1690000	1690000	1690000	1665517	1864441	1620553	1472948	1341310	1264729
1952	1221549	1226943	1397626	1684923	1690000	1690000	1690000	1895000	2030000	1910000	1783549	1700000
1953	1613370	1598013	1623888	1690000	1690000	1690000	1661571	1616712	1645836	1620505	1478191	1406522
1954	1339957	1337095	1342096	1347157	1404054	1557724	1616102	1692945	1697353	1543514	1402782	1325948
1955	1246315	1243821	1263639	1304002	1377497	1427638	1438249	1444533	1392159	1236492	1094908	1025217
1956	951267	944151	1494995	1690000	1690000	1690000	1713000	1837876	2030000	1910000	1774761	1700000
1957	1637912	1615933	1615998	1608716	1679700	1690000	1606742	1630834	1754309	1641185	1479222	1406664
1958	1387465	1373776	1400271	1428787	1642830	1690000	1690000	1910000	2030000	1910000	1782082	1700000
1959	1609984	1581627	1562922	1584469	1690000	1690000	1666099	1596091	1496340	1336933	1198275	1196991
1960	1118652	1101198	1144085	1155547	1236882	1270869	1278598	1271075	1180591	1057565	955909	909538
1961	862472	859746	905658	935146	944513	909945	863103	823088	763573	681131	613530	583832
1962	549171	542794	569177	584170	803530	979999	1021665	997985	1159496	1079896	957313	891275
1963	849383	837937	897218	928466	1126338	1204406	1355469	1492457	1761834	1720357	1590588	1522115
1964	1498379	1545242	1619031	1625151	1633954	1591112	1515467	1482519	1487863	1338703	1208547	1138944
1965	1122778	1143803	1567018	1690000	1690000	1690000	1713000	1753879	1909890	1910000	1790000	1700000
1966	1614538	1690000	1690000	1690000	1690000	1690000	1679304	1623602	1494909	1336908	1198506	1129608
1967	1053520	1084829	1307329	1499352	1650801	1690000	1690000	1873064	2030000	1910000	1790000	1700000
1968	1618388	1603894	1607559	1611742	1687300	1690000	1666838	1607652	1532982	1371732	1240788	1164406
1969	1125976	1153007	1309762	1690000	1690000	1690000	1690000	1930000	2030000	1910000	1787071	1700000
1970	1660000	1663153	1690000	1690000	1690000	1690000	1696612	1672904	1699756	1574676	1446412	1371504
1971	1310440	1351123	1531367	1690000	1690000	1690000	1678571	1647502	1643249	1540778	1416421	1350368
1972	1287443	1290713	1436954	1515616	1600921	1609482	1501785	1438610	1361614	1210253	1084299	1019126
1973	978803	989595	1138513	1336400	1569962	1690000	1717600	1762775	1870500	1718365	1583093	1503194
1974	1493832	1580873	1690000	1690000	1690000	1690000	1717600	1772969	1989327	1910000	1775580	1699616
1975	1660000	1644101	1652478	1659532	1690000	1690000	1717600	1815829	2030000	1910000	1790000	1700000
1976	1660000	1658966	1682337	1652911	1633731	1518605	1433993	1340592	1238887	1114937	1033080	1002289
1977	964786	955753	975844	975391	952569	840606	726063	668622	599215	509180	436382	407252
1978	379015	371789	426189	590235	799967	1066764	1272713	1415654	1761000	1850214	1724545	1700000
1979	1622848	1623622	1627610	1690000	1690000	1690000	1690000	1717600	1836590	1695602	1559795	1486013
1980	1452186	1452590	1489309	1690000	1690000	1690000	1717600	1821714	1960200	1910000	1787206	1700000
1981	1616489	1588103	1582305	1591639	1644937	1690000	1706715	1683682	1590846	1435781	1312242	1245475
1982	1234031	1338694	1561070	1690000	1690000	1690000	1717600	1876400	2002900	1910000	1790000	1700000
1983	1660000	1690000	1690000	1690000	1690000	1294700	1264000	1270800	1851400	1910000	1790000	1700000
1984	1660000	1690000	1690000	1690000	1690000	1690000	1646144	1660287	1764800	1637305	1499087	1418582
1985	1400616	1433446	1518645	1568602	1588977	1686985	1717106	1668401	1569671	1414989	1288183	1225503
1986	1196561	1215461	1358097	1467499	1690000	1690000	1717600	1883210	2001400	1910000	1774109	1700000
1987	1639159	1611049	1594896	1561680	1558779	1586497	1522980	1434849	1332035	1198672	1088022	1030814
1988	1004357	997372	1034385	1086064	1165282	1139293	1101144	1047721	982679	898002	825885	793524
1989	758211	764425	806100	831925	862556	1009126	1041445	1057278	1117144	994034	888867	883920
1990	908934	901556	955286	974622	1008080	977154	938985	940998	945398	861297	775933	731743
1991	715273	703975	726872	725056	700946	773512	820579	875343	960494	914483	849942	824074
1992	825496	818379	857879	876581	939076	1018393	1035304	1094353	1047157	991372	907549	858460
1993	835929	823146	880129	1156523	1359973	1609222	1717600	1824592	2030000	1910000	1781335	1700000
1994	1625853	1604842	1592292	1580276	1587243	1572068	1564182	1571113	1461410	1316644	1198915	1139914
1995	1092926	1110052	1243166	1561603	1690000	1690000	1717600	1629700	1982800	1910000	1790000	1700000
1996	1606968	1575346	1606599	1690000	1690000	1690000	1717600	1993320	2030000	1910000	1773261	1699670
1997	1660000	1690000	1690000	1690000	1690000	1690000	1670692	1803687	1891261	1793469	1684550	1633069
1998	1583506	1573022	1580364	1690000	1690000	1690000	171760					

**Table R12 Don Pedro EOM Elev - Feet
Project**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1921	760.0	760.8	767.8	793.5	801.8	801.8	803.8	805.9	820.1	809.5	796.9	789.8
1922	781.3	779.2	782.3	789.8	801.8	801.8	803.8	820.2	830.0	820.5	808.9	801.9
1923	796.1	796.4	801.8	801.8	801.8	801.8	803.8	808.5	810.3	804.5	792.4	787.8
1924	781.0	778.8	778.2	776.1	774.7	765.5	757.0	748.5	736.8	723.5	710.2	703.0
1925	703.3	705.1	721.7	730.0	751.1	767.3	778.0	784.6	794.8	786.0	772.9	765.6
1926	758.6	756.9	757.1	756.8	763.3	765.6	776.8	781.8	772.8	756.2	740.6	731.6
1927	723.3	728.4	738.8	741.6	769.2	785.6	799.6	800.9	817.9	812.1	800.1	793.3
1928	791.1	793.8	797.3	798.3	801.8	801.8	803.8	808.6	805.8	791.9	778.6	770.8
1929	761.8	760.7	760.4	758.6	759.2	760.0	762.3	764.5	768.9	756.1	743.4	735.7
1930	728.5	725.6	732.1	735.3	740.2	746.5	747.4	747.2	748.2	734.8	721.8	714.7
1931	708.3	708.4	718.8	721.3	722.9	717.2	704.7	697.6	686.1	670.4	656.5	650.6
1932	643.4	642.0	669.3	694.5	730.8	747.9	747.0	754.7	769.7	765.1	751.0	742.2
1933	731.0	726.9	724.8	723.2	729.6	733.5	726.1	724.9	732.4	718.7	703.7	695.1
1934	685.8	682.9	693.9	698.5	706.2	715.9	708.3	699.0	692.2	677.3	664.0	658.6
1935	655.4	657.9	674.8	696.8	716.6	736.2	766.6	776.7	793.2	782.7	768.9	759.8
1936	755.4	754.2	753.7	759.7	796.9	801.8	803.8	814.4	830.0	820.5	808.7	801.7
1937	796.7	794.2	794.0	793.5	801.8	801.8	803.8	812.6	829.1	818.7	807.1	799.9
1938	793.0	791.6	801.8	801.8	801.8	801.8	801.8	805.3	829.6	820.5	810.2	802.7
1939	799.2	798.5	800.2	800.4	801.8	801.8	800.3	794.8	783.4	767.1	751.9	747.4
1940	742.2	740.6	749.5	767.0	794.7	801.8	803.8	810.5	822.9	810.1	797.5	789.6
1941	782.7	780.5	791.8	801.8	801.8	801.8	801.8	812.4	830.0	820.5	809.0	802.0
1942	796.5	795.3	801.8	801.8	801.8	801.8	803.8	808.4	827.7	820.5	809.1	801.6
1943	794.1	797.4	801.8	801.8	801.8	801.8	803.8	808.3	821.3	814.7	803.0	795.3
1944	788.5	786.6	786.0	785.2	793.9	801.8	802.6	805.2	801.7	790.2	776.8	769.0
1945	766.1	771.0	785.6	786.7	801.8	801.8	803.8	807.4	822.9	818.2	805.8	798.3
1946	798.2	801.0	801.8	801.8	801.8	801.8	803.8	806.1	811.1	797.5	783.6	775.3
1947	769.0	770.5	784.9	784.5	786.8	784.0	780.4	775.9	768.5	752.9	737.6	729.3
1948	729.3	729.1	736.1	736.6	734.3	732.7	739.0	751.8	768.9	756.5	741.5	733.0
1949	727.6	725.1	729.2	727.6	728.2	747.1	748.7	753.0	756.4	741.2	726.4	718.3
1950	708.8	706.6	710.5	713.0	735.4	751.7	755.9	758.1	767.4	752.7	737.6	730.9
1951	730.4	778.2	801.8	801.8	801.8	801.8	799.7	792.4	795.5	781.5	768.1	759.8
1952	754.9	755.5	773.9	801.4	801.8	801.8	801.8	819.3	830.0	820.5	810.0	802.7
1953	794.9	793.5	795.8	801.8	801.8	801.8	799.3	795.2	797.9	793.9	782.0	774.8
1954	767.9	767.6	768.2	768.7	774.6	789.8	795.1	802.1	802.5	788.4	774.5	766.4
1955	757.7	757.4	759.7	764.1	771.9	777.0	778.1	778.7	773.4	756.6	740.0	731.2
1956	721.4	720.5	783.7	801.8	801.8	801.8	803.8	814.5	830.0	820.5	809.3	802.7
1957	797.1	795.1	795.1	794.5	800.9	801.8	794.3	796.5	807.5	795.0	782.1	774.8
1958	772.9	771.5	774.2	777.1	797.6	801.8	801.8	820.5	830.0	820.5	809.9	802.7
1959	794.6	792.0	790.2	792.2	801.8	801.8	799.7	793.3	783.8	767.6	752.3	752.1
1960	742.8	740.8	745.4	747.3	756.6	760.5	761.3	760.5	750.3	735.3	722.0	715.6
1961	708.9	708.5	715.1	719.2	720.5	715.7	709.0	703.1	693.9	680.4	668.4	662.9
1962	656.3	655.0	660.2	663.0	700.2	725.2	730.8	727.6	747.7	738.1	722.2	713.0
1963	707.0	705.3	713.9	718.3	743.8	753.0	769.6	783.4	808.1	804.5	792.8	786.3
1964	784.0	788.5	795.4	796.0	796.8	792.8	785.7	782.5	783.0	767.8	753.4	745.3
1965	743.3	745.9	790.6	801.8	801.8	801.8	803.8	807.4	820.5	820.5	810.6	802.7
1966	795.0	801.8	801.8	801.8	801.8	801.8	800.9	795.8	783.7	767.6	752.3	744.2
1967	734.8	738.7	764.4	784.1	798.3	801.8	801.8	817.5	830.0	820.5	810.6	802.7
1968	795.3	794.0	794.3	794.7	801.6	801.8	799.8	794.4	787.4	771.3	757.1	748.3
1969	743.7	747.0	764.7	801.8	801.8	801.8	801.8	822.1	830.0	820.5	810.3	802.7
1970	799.2	799.5	801.8	801.8	801.8	801.8	802.4	800.3	802.7	791.3	778.9	771.3
1971	764.7	769.1	787.2	801.8	801.8	801.8	800.8	798.0	797.6	788.1	775.8	769.0
1972	762.3	762.6	777.9	785.7	793.7	794.5	784.3	778.1	770.2	753.6	738.7	730.4
1973	725.1	726.5	745.2	767.5	790.9	801.8	804.3	808.2	817.2	804.3	792.1	784.5
1974	783.6	791.9	801.8	801.8	801.8	801.8	804.3	809.1	826.8	820.5	809.3	802.7
1975	799.2	797.7	798.5	799.1	801.8	801.8	804.3	812.7	830.0	820.5	810.6	802.7
1976	799.2	799.1	801.2	798.5	796.8	786.0	777.6	768.0	756.9	742.4	732.2	728.2
1977	723.2	722.0	724.7	724.6	721.6	705.7	687.9	678.2	665.8	648.3	632.4	625.6
1978	618.7	616.8	630.2	664.1	699.6	736.4	760.7	775.8	808.0	815.6	804.9	802.7
1979	795.8	795.8	796.2	801.8	801.8	801.8	801.8	804.3	814.4	802.3	790.0	782.8
1980	779.5	779.5	783.1	801.8	801.8	801.8	804.3	813.2	824.5	820.5	810.3	802.7
1981	795.2	792.6	792.0	792.9	797.8	801.8	803.3	801.3	792.8	777.8	764.9	757.6
1982	756.3	767.8	790.1	801.8	801.8	801.8	804.3	817.7	827.9	820.5	810.6	802.7
1983	799.2	801.8	801.8	801.8	801.8	763.0	759.7	760.5	815.7	820.5	810.6	802.7
1984	799.2	801.8	801.8	801.8	801.8	801.8	797.9	799.2	808.4	797.1	784.1	776.1
1985	774.2	777.6	786.0	790.8	792.6	801.6	804.2	799.9	790.9	775.7	762.3	755.4
1986	752.1	754.2	769.9	781.0	801.8	801.8	804.3	818.3	827.7	820.5	809.2	802.7
1987	797.3	794.7	793.2	790.1	789.9	792.4	786.4	777.7	767.1	752.3	739.1	731.9
1988	728.5	727.6	732.4	738.9	748.4	745.3	740.7	734.0	725.6	714.0	703.5	698.6
1989	693.0	694.0	700.5	704.4	708.9	729.1	733.3	735.2	742.7	727.1	712.7	712.0
1990	715.5	714.5	721.9	724.5	729.0	724.9	719.8	720.0	720.6	707.7	695.8	688.8
1991	686.1	684.2	688.0	687.7	683.7	695.4	702.7	710.8	722.6	716.3	707.1	703.2
1992	703.4	702.4	708.2	711.0	719.8	730.3	732.5	739.9	734.0	726.8	715.3	708.3
1993	705.0	703.1	711.5	747.4	770.1	794.5	804.3	813.4	830.0	820.5	809.8	802.7
1994	796.0	794.1	792.9	791.8	792.5	791.1	790.4	791.0	780.4	765.4	752.3	745.4
1995	739.8	741.8	757.4	790.1	801.8	801.8	804.3	796.4	826.3	820.5	810.6	802.7
1996	794.3	791.4	794.3	801.8	801.8	801.8	804.3	827.1	830.0	820.5	809.1	802.7
1997	799.2	801.8	801.8	801.8	801.8	801.8	800.1	811.7	819.0	810.8	801.4	796.7
1998	792.1	791.2	791.8	801.8	801.8	801.8	804.3	803.9	826.6	820.5	810.6	802.7
Average	754.3	755.1	763.1	769.5	776.8	780.0	780.9	784.1	790.2	779.6	767.0	760.0

**Table R13 LaGrange River Release - Acre-feet
Difference (No Project - Benchmark)**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	0	0	0	0	1968	1216	3383	0	0	0	0	0	6566
1922	0	0	0	0	29164	0	2253	0	10697	6543	0	0	48657
1923	0	0	11123	0	0	1740	1941	0	0	0	0	0	14804
1924	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	0	0	0	0	0	0	33727	0	0	0	0	0	33727
1928	0	0	20004	13267	40517	456	3971	0	0	0	0	0	78214
1929	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	0	0	0	0	95665	62038	2298	0	10335	6471	0	0	176807
1937	0	0	0	0	10941	0	1517	0	0	0	0	0	12458
1938	0	0	29291	0	0	0	1718	5238	6018	6489	0	8972	57724
1939	1077	0	0	0	207	414	0	0	0	0	0	0	1699
1940	0	0	0	0	0	33491	1941	0	0	0	0	0	35431
1941	0	0	0	29617	0	0	535	0	10950	6543	0	0	47646
1942	0	0	11123	0	0	207	3200	4114	0	12590	0	0	31236
1943	0	0	11579	0	0	0	1383	0	0	0	0	0	12962
1944	0	0	0	0	0	30247	0	0	0	0	0	0	30247
1945	0	0	0	0	30827	0	2588	0	0	0	0	0	33414
1946	7588	3286	15978	0	0	207	3324	0	0	0	0	0	30384
1947	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	0	0	81001	-345	-345	-426	0	0	0	0	0	0	79884
1952	0	0	0	22623	8888	539	1695	5456	5981	6199	0	9179	60559
1953	0	0	0	2941	0	1947	0	0	0	0	0	0	4888
1954	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	0	100152	0	1574	2878	0	10878	6543	0	8743	130768
1957	0	0	0	0	2101	3222	0	0	0	0	0	0	5324
1958	0	0	0	0	0	31223	0	3552	5963	6543	0	9096	56377
1959	0	0	0	0	3273	1201	0	0	0	0	0	0	4474
1960	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	21061	8340	11008	0	0	0	0	0	0	0	40409
1965	0	0	0	91898	0	870	3123	0	0	15513	7594	3335	122333
1966	0	2816	0	0	0	1077	0	0	0	0	0	0	3893
1967	0	0	0	0	0	34528	691	0	10407	6543	5841	3376	61387
1968	0	0	0	0	2610	248	0	0	0	0	0	0	2858
1969	0	0	0	32644	0	580	2320	5637	6072	6543	171	8511	62478
1970	1409	0	0	0	0	622	0	0	0	0	0	0	2030
1971	0	0	0	29592	3498	828	0	0	0	0	0	0	33918
1972	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	69261	2409	0	0	0	0	0	71670
1974	0	0	27196	0	0	290	1495	0	0	9533	0	5806	44320
1975	11338	0	0	0	83	0	3123	0	11655	6543	5034	3376	41152
1976	663	0	0	0	0	0	0	0	0	0	0	0	663
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	61784	0	0	14721	76505
1979	0	0	0	2941	0	331	2922	5637	0	0	0	0	11832
1980	0	0	0	22454	0	290	2499	0	11366	5963	306	8894	51771
1981	0	0	0	0	0	3479	0	0	0	0	0	0	3479
1982	0	0	0	31725	0	0	758	5329	5800	6543	5841	1305	57302
1983	331	0	0	0	0	0	535	4894	6072	6543	5634	1119	25128
1984	1947	0	0	0	0	1077	0	0	0	0	0	0	3025
1985	0	0	0	0	0	29480	5119	0	0	0	0	0	34599
1986	0	0	0	0	30201	0	1829	0	11257	6543	0	9137	58968
1987	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	24198	0	10027	6543	0	9199	49968
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	37351	0	1249	3824	5564	6543	5841	3376	63750
1996	0	0	0	3314	0	331	2521	0	9505	6543	0	5860	28074
1997	3996	0	0	0	0	2154	0	0	0	0	0	0	6150
1998	0	0	0	35363	0	207	1851	1704	5492	6543	5841	3356	60357
Average	363	78	2928	5468	3948	4038	1602	582	2767	1979	540	1505	25798

**Table R14 MID LaGrange Diversion - Acre-feet
Difference (No Project - Benchmark)**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	-1861	-100	0	0	-8	-1216	-3383	-5161	-5953	-6515	-5788	-3157	-33140
1922	-2817	-41	0	0	0	0	-2253	-4712	-5999	-6543	-5841	-3376	-31584
1923	-1947	0	0	0	0	-1740	-1941	-5256	-5981	-6543	-5841	-2610	-31860
1924	-2444	-248	0	0	-83	576	-5271	-5007	-5161	-5562	-4965	-2870	-31036
1925	-528	0	0	0	0	-176	-1718	-3462	-5818	-6543	-5841	-3314	-27401
1926	-2527	-124	0	0	0	-2527	516	646	689	721	696	611	-1300
1927	563	405	375	345	345	418	-2365	-5510	-5891	-6543	-5841	-3335	-27034
1928	-290	0	0	0	0	-456	-3971	-5655	-6072	-6543	-5841	-3376	-32204
1929	-2900	0	0	0	0	-1243	545	653	652	721	696	610	-266
1930	580	418	375	345	345	435	-4437	-4668	-5161	-5562	-4824	-2764	-24919
1931	-2148	0	0	0	0	-1937	-3276	-2751	-3140	-3599	-3190	-1834	-21875
1932	-1549	0	0	0	0	-387	-3591	-4876	-6072	-6507	-5841	-3376	-32200
1933	-2942	-331	0	0	0	-953	-4268	-3620	-4502	-4868	-4341	-2489	-28313
1934	-1759	-241	36	33	33	-802	-675	-629	-623	-767	-661	-272	-6329
1935	-122	183	169	155	155	183	-558	-4785	-6072	-6543	-5800	-3376	-26412
1936	-622	-41	0	0	0	-248	-2298	-4676	-5673	-6471	-5841	-3107	-28978
1937	-1657	-373	0	0	0	0	-1517	-5438	-6054	-6543	-5841	-3376	-30799
1938	-2279	-41	0	0	0	0	-1718	-5238	-6018	-6489	-5841	-3149	-30772
1939	-1077	-207	0	0	0	-414	-5309	-5202	-6072	-6543	-5841	-2154	-32821
1940	-2444	-331	0	0	0	0	-1941	-5474	-6072	-6543	-5841	-3356	-32002
1941	-2279	-331	0	0	0	0	-535	-4912	-6054	-6543	-5841	-3376	-29872
1942	-1781	-166	0	0	0	-207	-3200	-4114	-6072	-6543	-5841	-3376	-31302
1943	-2403	0	0	0	0	0	-1383	-5383	-6072	-6543	-5841	-3376	-31002
1944	-2279	-166	0	0	0	-870	-3212	-5691	-6018	-6543	-5841	-3335	-33955
1945	-539	0	0	0	0	0	-2588	-5438	-5909	-6543	-5841	-3066	-29923
1946	-331	0	0	0	0	-207	-3324	-4821	-6072	-6507	-5841	-3294	-30397
1947	-1989	-124	0	0	-41	-3843	-6335	-5637	-5800	-6543	-5841	-3335	-39489
1948	-414	0	0	0	-41	-787	511	581	688	721	696	611	2566
1949	524	416	375	345	346	461	-5347	-4422	-5161	-5562	-4965	-2870	-25859
1950	-2500	-282	0	0	0	-493	543	639	689	721	696	584	597
1951	497	405	375	345	345	426	-2945	-5510	-6072	-6543	-5841	-3376	-27894
1952	-1574	0	0	0	0	-539	-1695	-5456	-5981	-6199	-5841	-3356	-30641
1953	-2942	0	0	0	0	-1947	-3971	-5419	-5673	-6543	-5634	-3356	-35485
1954	-2320	-166	0	0	-83	-2403	-5265	-5583	-5854	-6543	-5841	-3376	-37434
1955	-2942	0	0	0	0	-1077	-2008	-5021	-6072	-6543	-5841	-3086	-32590
1956	-2900	0	0	0	0	-1574	-2878	-4821	-6072	-6543	-5841	-2983	-33613
1957	-2071	-373	0	0	0	-2817	-5220	-4223	-5999	-6543	-5841	-3107	-36195
1958	-414	-248	0	0	0	0	0	-3552	-5963	-6543	-5841	-3273	-25836
1959	-2942	-331	0	0	0	-1201	-5465	-5673	-6072	-6543	-5800	-994	-35022
1960	-2942	-373	0	0	0	4562	-4551	-4930	-5161	-5562	-4965	-2800	-26721
1961	-2430	0	0	0	0	-1408	-2834	-2871	-3340	-3599	-3144	-1834	-21460
1962	-1618	0	0	0	0	-273	521	649	689	721	696	611	1997
1963	541	409	375	345	345	405	-1272	-4984	-6054	-6543	-5841	-3211	-25484
1964	-456	0	0	0	-41	-3812	-6045	-5764	-5637	-6525	-5841	-3356	-37477
1965	-622	0	0	0	0	-870	-3123	-5655	-6072	-6507	-4951	-3335	-31134
1966	-2817	0	0	0	0	-1077	-4328	-5673	-5963	-6471	-5841	-3376	-35547
1967	-2942	0	0	0	0	-331	-691	-4876	-5546	-6543	-5841	-3376	-30147
1968	-2568	0	0	0	-41	-248	-4618	-5673	-6072	-6543	-5469	-3376	-34609
1969	-1284	0	0	0	0	-580	-2320	-5637	-6072	-6543	-5841	-2858	-31136
1970	-1409	0	0	0	0	-622	-3748	-5836	-5999	-6543	-5841	-3376	-33374
1971	-2113	0	0	0	0	-828	-3391	-5311	-6072	-6543	-5841	-3335	-33434
1972	-2237	-41	0	0	0	-3538	-5822	-5854	-5963	-6543	-5841	-3107	-38948
1973	-1409	0	0	0	0	0	-2409	-5691	-6036	-6543	-5841	-3376	-31305
1974	0	0	0	0	0	-290	-1495	-5329	-5764	-5818	-5841	-3376	-27913
1975	-704	-83	0	0	0	0	-3123	-5601	-6072	-6543	-5034	-3376	-30536
1976	-663	-207	0	0	-83	-4858	-4437	-5007	-5130	-5546	-4208	-2553	-32693
1977	-1761	-35	0	0	-70	534	-3460	-2482	-3340	-3599	-3213	-1709	-19134
1978	-1208	0	0	0	0	0	-424	-4821	-6072	-6543	-5841	-2403	-27312
1979	-2942	0	0	0	0	-331	-2922	-5637	-6072	-6398	-5841	-3376	-33520
1980	-953	0	0	0	0	-290	-2499	-5311	-6072	-5963	-5841	-3376	-30305
1981	-2900	-373	0	0	0	-207	-3859	-5746	-6072	-6543	-5841	-3376	-34918
1982	-663	0	0	0	0	0	-758	-5329	-5800	-6543	-5841	-1305	-26240
1983	-331	0	0	0	0	0	-535	-4894	-6072	-6543	-5634	-1119	-25128
1984	-1947	0	0	0	0	-1077	-4439	-5891	-6072	-6543	-5841	-3356	-35166
1985	-331	0	0	0	0	-539	-3792	-5800	-5873	-6543	-5841	-3294	-32013
1986	-1367	0	0	0	0	0	-1829	-5202	-6072	-6543	-5841	-3314	-30169
1987	-1616	-331	0	0	0	-1344	-5086	-5891	-6072	-6543	-5841	-3376	-36100
1988	-1574	-41	0	0	0	-2610	1500	2018	2186	2416	2208	1476	7578
1989	1333	388	359	330	330	720	-4816	-4976	-5161	-5562	-4877	-1356	-23288
1990	-951	-70	0	0	0	4028	-2537	-1595	-2529	-2728	-2428	-1348	-10158
1991	-341	-68	52	48	30	56	4494	5395	5324	6067	5347	3499	29903
1992	2048	858	577	531	531	623	345	461	486	514	494	423	7890
1993	384	265	246	226	226	265	-2342	-4386	-5655	-6543	-5841	-3376	-26532
1994	-2403	0	0	0	0	-3646	-4149	-3770	-6072	-6543	-5841	-3335	-35759
1995	-2071	0	0	0	0	0	-1249	-3824	-5564	-6543	-5841	-3376	-28470
1996	-2942	-373	0	0	0	-331	-2521	-3462	-6054	-6543	-5841	-3376	-31443
1997	-663	0	0	0	0	-2154	-5644	-5709	-5945	-6543	-5841	-3376	-35876
1998	-2693	0	0	0	0	-207	-1851	-1704	-5492	-6543	-5841	-3356	-27687
Average	-1461	-32	42	39	33	-613	-2639	-4204	-4908	-5350	-4749	-2548	-26389

**Table R15 Don Pedro Storage - Acre-feet
Difference (No Project - Benchmark)**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1921	1861	1960	1960	1960	0	0	0	5161	11097	17566	23280	26362
1922	29126	29152	29153	29161	0	0	0	4712	0	0	5841	9199
1923	11129	11123	0	0	0	0	0	5256	11221	17716	23482	26016
1924	28408	28641	28642	28650	28735	28148	33427	38374	43428	48818	53575	56269
1925	56676	56642	56645	56662	56666	56824	58487	61801	67414	73666	79181	82233
1926	84590	84667	84670	84695	84701	87197	86598	85733	84758	83659	82576	81679
1927	80939	80487	80116	79794	79455	79009	47572	52966	58685	64985	70552	73662
1928	73806	73767	53766	40514	0	0	0	5655	11709	18202	23963	27261
1929	30105	30088	30089	30098	30100	31332	30756	30023	29268	28415	27587	26881
1930	26243	25810	25436	25099	24756	24311	28820	33499	38632	44125	48827	51472
1931	53547	53515	53517	53533	53538	55488	58707	61296	64209	67490	70339	71910
1932	73292	73246	73250	73273	73279	73638	77157	81829	87616	93729	99143	102180
1933	104904	105174	105179	105211	105219	106131	110840	114538	119061	123906	128081	130376
1934	132016	132197	132167	132175	132153	133053	133592	133854	133984	134096	134087	133861
1935	133675	133410	133247	133134	132989	132755	133180	137624	143235	149160	154300	157164
1936	157459	157412	157419	157465	61812	0	0	4676	0	0	5841	8930
1937	10570	10937	10937	10940	0	0	0	5438	11474	17971	23737	27038
1938	29264	29290	0	0	0	0	0	0	0	0	5841	0
1939	0	207	207	207	0	0	5309	10498	16535	23005	28742	30797
1940	33176	33488	33490	33500	33502	0	0	5474	11528	18024	23789	27068
1941	29292	29608	29609	0	0	0	0	4912	0	0	5841	9199
1942	10963	11123	0	0	0	0	0	0	6072	0	5841	9199
1943	11584	11578	0	0	0	0	0	5383	11438	17934	23699	27001
1944	29226	29376	29377	29385	29387	0	3212	8896	14884	21364	27111	30356
1945	30832	30815	30816	30825	0	0	0	5438	11329	17825	23592	26583
1946	19274	15978	0	0	0	0	0	4821	10878	17339	23105	26322
1947	28257	28366	28367	28375	28419	32251	38556	44096	49746	56065	61646	64766
1948	65039	65001	65004	65024	65070	65832	65255	64500	63586	62580	61594	60769
1949	60114	59662	59290	58963	58621	58138	63427	67682	72607	77836	82434	85014
1950	87328	87557	87561	87588	87595	88055	87425	86558	85569	84463	83374	82500
1951	81825	81372	0	0	0	0	2945	8447	14491	20972	26719	30006
1952	31518	31500	31501	8887	0	0	0	0	0	0	5841	0
1953	2942	2940	2940	0	0	0	3971	9380	15023	21501	27041	30308
1954	32566	32714	32715	32724	32810	35201	40433	45916	51621	57944	63530	66695
1955	69499	69459	69463	69483	69488	70540	72481	77318	83130	89302	94731	97489
1956	100178	100119	100124	0	0	0	0	4821	0	0	5841	63
1957	2134	2506	2506	2507	405	0	5220	9430	15399	21877	27622	30638
1958	30990	31221	31223	31231	31234	0	0	0	0	0	5841	0
1959	2942	3271	3272	3272	0	0	5465	11125	17161	23628	29320	30214
1960	33092	33445	33447	33457	33459	28885	33447	38331	43399	48809	53581	56215
1961	58540	58505	58508	58525	58530	59932	62705	65403	68502	71765	74550	76107
1962	77550	77502	77506	77531	77537	77780	77180	76323	75360	74290	73242	72372
1963	71671	71218	70847	70523	70184	69752	70956	75758	81560	87760	93225	96137
1964	96400	96348	75290	66971	56010	59802	65792	71391	76790	82976	88440	91494
1965	91921	91869	91873	0	0	0	0	5655	11709	2654	0	0
1966	2817	0	0	0	0	0	4328	9990	15921	22321	28060	31340
1967	34215	34195	34197	34207	34209	0	0	4876	0	0	0	0
1968	2568	2567	2567	2568	0	0	4618	10280	16318	22789	28154	31435
1969	32652	32633	32635	0	0	0	0	0	0	0	5670	0
1970	0	0	0	0	0	0	3748	9575	15543	22020	27764	31049
1971	33098	33079	33080	3497	0	0	3391	8693	14737	21216	26963	30209
1972	32384	32407	32408	32417	32420	35946	41735	47485	53288	59591	65156	68036
1973	69297	69257	69260	69280	69285	0	0	5691	11709	18203	23966	27265
1974	27210	27195	0	0	0	0	0	5329	11075	7315	13126	10655
1975	0	83	83	83	0	0	0	5601	0	0	0	0
1976	0	207	207	207	290	5148	9580	14563	19643	25099	29189	31640
1977	33331	33347	33348	33359	33432	32885	36310	38691	41884	45273	48253	49779
1978	50869	50836	50839	50855	50860	50840	51212	55901	0	6543	12357	0
1979	2942	2940	2940	0	0	0	0	0	6072	12445	18232	21549
1980	22459	22446	22447	0	0	0	0	5311	0	0	5535	0
1981	2900	3271	3272	3272	3273	0	3859	9595	15636	22111	27853	31135
1982	31733	31715	31717	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	4439	10319	16357	22831	28573	31835
1985	32101	32083	32085	32094	32096	3143	1814	7609	13457	19941	25693	28899
1986	30206	30188	30190	30198	0	0	0	5202	0	0	5841	0
1987	1616	1946	1946	1947	1947	3290	8373	14243	20267	26718	32435	35698
1988	37196	37215	37217	37228	37231	39827	38288	36168	33852	31275	28916	27335
1989	25941	25538	25180	24858	24529	23800	28592	33491	38533	43915	48582	49763
1990	50604	50645	50647	50663	50667	46619	49109	50571	52916	55392	57549	58688
1991	58897	58929	58880	58850	58825	58745	54733	49746	44759	39151	34137	30848
1992	28827	27969	27393	26870	26342	25708	25448	25106	24712	24307	23879	23485
1993	23112	22837	22592	22373	22149	21876	0	4386	0	0	5841	0
1994	2403	2402	2402	2402	2403	6048	10191	13936	19962	26416	32137	35362
1995	37358	37336	37338	37349	0	0	0	0	0	0	0	0
1996	2942	3313	3313	0	0	0	0	3462	0	0	5841	3339
1997	0	0	0	0	0	0	5644	11339	17248	23720	29460	32743
1998	35371	35352	35353	0	0	0	0	0	0	0	0	0
Average	39122	39054	36085	30589	26610	23179	24209	27784	29846	33103	37176	38101

Table R16 Don Pedro EOM Elev - Ft Benchmark

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1921	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.5	0.9	1.5	2.1	2.5
1922	2.8	2.9	2.8	2.7	0.0	0.0	0.0	0.4	0.0	0.0	0.5	0.8
1923	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.5	2.2	2.5
1924	2.8	2.9	2.9	2.9	2.9	3.0	3.8	4.5	5.4	6.5	7.6	8.4
1925	8.4	8.3	7.6	7.2	6.4	5.9	5.8	6.0	6.2	7.0	8.1	8.7
1926	9.2	9.3	9.3	9.3	9.0	9.1	8.6	8.3	8.6	9.2	9.9	10.3
1927	10.6	10.3	9.7	9.5	8.2	7.5	4.2	4.6	4.8	5.4	6.2	6.8
1928	6.8	6.8	4.9	3.6	0.0	0.0	0.0	0.5	1.0	1.7	2.4	2.8
1929	3.2	3.3	3.3	3.3	3.3	3.4	3.3	3.2	3.1	3.2	3.3	3.4
1930	3.5	3.4	3.2	3.2	3.0	2.9	3.4	4.0	4.5	5.6	6.5	7.2
1931	7.7	7.7	7.3	7.1	7.1	7.6	8.6	9.3	10.4	12.0	13.4	14.2
1932	15.1	15.2	13.0	11.3	9.3	8.5	9.0	9.2	9.0	9.9	11.3	12.2
1933	13.2	13.6	13.7	13.7	13.3	13.1	14.3	14.8	14.8	16.6	18.5	19.7
1934	21.0	21.3	20.0	19.5	18.7	17.9	18.7	19.7	20.4	22.2	23.8	24.6
1935	24.9	24.5	22.3	19.8	17.8	16.1	13.8	13.6	12.9	14.2	15.8	16.8
1936	17.2	17.3	17.3	16.7	5.6	0.0	0.0	0.4	0.0	0.0	0.5	0.8
1937	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.5	0.9	1.5	2.1	2.4
1938	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
1939	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.6	2.5	3.3	3.7
1940	4.0	4.0	3.9	3.6	3.1	0.0	0.0	0.5	0.9	1.5	2.2	2.6
1941	2.8	2.9	2.7	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.5	0.8
1942	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.8
1943	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.5	2.1	2.5
1944	2.8	2.8	2.8	2.8	2.7	0.0	0.3	0.8	1.3	2.0	2.8	3.2
1945	3.3	3.1	3.0	3.0	0.0	0.0	0.0	0.5	0.9	1.5	2.1	2.4
1946	1.8	1.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.6	2.2	2.7
1947	3.0	2.9	2.7	2.7	2.8	3.1	3.7	4.5	5.2	6.4	7.6	8.3
1948	8.4	8.3	8.1	8.0	8.1	8.3	7.9	7.3	6.6	7.0	7.4	7.7
1949	7.8	7.9	7.6	7.6	7.5	6.8	7.3	7.7	8.1	9.4	10.7	11.5
1950	12.5	12.6	12.3	12.1	10.8	9.9	9.7	9.5	8.9	9.6	10.2	10.5
1951	10.4	8.0	0.0	0.0	0.0	0.0	0.3	0.8	1.3	2.0	2.9	3.3
1952	3.6	3.6	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
1953	0.3	0.3	0.3	0.0	0.0	0.0	0.4	0.9	1.4	2.0	2.6	3.1
1954	3.5	3.5	3.5	3.4	3.4	3.3	3.7	4.0	4.5	5.5	6.5	7.1
1955	7.7	7.7	7.6	7.5	7.1	7.0	7.2	7.6	8.5	9.9	11.5	12.3
1956	13.3	13.3	9.6	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.5	0.0
1957	0.2	0.2	0.2	0.2	0.0	0.0	0.5	0.9	1.3	2.0	2.7	3.1
1958	3.2	3.2	3.2	3.2	2.9	0.0	0.0	0.0	0.0	0.0	0.5	0.0
1959	0.3	0.3	0.3	0.3	0.0	0.0	0.5	1.0	1.7	2.5	3.3	3.4
1960	4.0	4.0	4.0	4.0	3.8	3.1	3.6	4.1	4.9	6.1	7.1	7.8
1961	8.4	8.4	8.1	7.9	7.8	8.2	8.9	9.6	10.6	11.9	13.2	13.8
1962	14.7	14.8	14.3	14.0	11.5	10.1	9.7	9.8	8.7	9.1	9.8	10.1
1963	10.4	10.4	9.8	9.5	8.3	7.9	7.3	7.3	6.9	7.6	8.6	9.1
1964	9.2	9.0	6.8	6.1	5.1	5.5	6.3	6.9	7.4	8.7	10.0	10.7
1965	10.9	10.7	8.5	0.0	0.0	0.0	0.0	0.5	0.9	0.2	0.0	0.0
1966	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.5	2.4	3.2	3.8
1967	4.3	4.2	3.7	3.3	3.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0
1968	0.2	0.2	0.2	0.2	0.0	0.0	0.4	0.9	1.6	2.3	3.2	3.7
1969	3.9	3.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
1970	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.4	2.0	2.8	3.2
1971	3.6	3.5	3.2	0.3	0.0	0.0	0.3	0.8	1.4	2.1	2.8	3.2
1972	3.5	3.5	3.3	3.1	3.0	3.3	4.0	4.7	5.5	6.8	8.0	8.7
1973	9.1	9.0	8.2	7.3	6.4	0.0	0.0	0.5	1.0	1.6	2.2	2.6
1974	2.6	2.5	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.6	1.1	0.9
1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
1976	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.6	2.2	3.0	3.7	4.1
1977	4.4	4.4	4.4	4.4	4.5	4.8	5.8	6.5	7.6	9.0	10.7	11.5
1978	12.3	12.5	11.3	9.2	7.6	6.2	5.5	5.6	0.0	0.5	1.1	0.0
1979	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.7	2.1
1980	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.5	0.0
1981	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.8	1.4	2.3	3.0	3.5
1982	3.6	3.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.4	2.1	2.8	3.3
1985	3.3	3.3	3.1	3.0	3.0	0.3	0.2	0.7	1.2	2.0	2.8	3.3
1986	3.4	3.4	3.1	2.9	0.0	0.0	0.0	0.4	0.0	0.0	0.5	0.0
1987	0.1	0.2	0.2	0.2	0.2	0.3	0.8	1.5	2.2	3.0	4.0	4.5
1988	4.8	4.8	4.7	4.5	4.3	4.7	4.6	4.6	4.5	4.4	4.3	4.1
1989	4.1	4.0	3.7	3.7	3.5	3.0	3.6	4.2	4.6	5.7	6.8	7.0
1990	7.0	7.1	6.8	6.7	6.4	6.1	6.5	6.7	7.1	7.8	8.8	9.3
1991	9.5	9.6	9.3	9.3	9.5	8.9	8.0	7.0	6.0	5.4	5.0	4.6
1992	4.3	4.2	3.9	3.8	3.5	3.2	3.2	3.0	3.1	3.2	3.4	3.4
1993	3.4	3.4	3.2	2.6	2.3	2.0	0.0	0.4	0.0	0.0	0.5	0.0
1994	0.2	0.2	0.2	0.2	0.2	0.6	0.9	1.3	1.9	2.8	3.6	4.2
1995	4.5	4.5	4.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.5	0.3
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	2.0	2.6	3.0
1998	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average	5.1	5.1	4.5	3.8	3.2	2.7	2.8	3.1	3.3	3.9	4.6	4.9

**Table R17 LaGrange River Release - Acre-feet
Difference (Project - Benchmark)**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	0	0	0	0	-10434	-1384	783	0	0	0	0	0	-11035
1922	0	0	0	0	1803	-2600	-347	0	4906	3443	0	0	7205
1923	0	0	-3051	-2200	-2200	-860	-659	0	0	0	0	0	-8970
1924	0	0	0	0	0	0	0	0	0	0	0	0	0
1925	0	0	0	0	0	0	0	0	0	0	0	0	0
1926	0	0	0	0	0	0	0	0	0	0	0	0	0
1927	0	0	0	0	0	0	0	0	0	0	0	0	0
1928	0	0	0	0	-952	-2144	1371	0	0	0	0	0	-1726
1929	0	0	0	0	0	0	0	0	0	0	0	0	0
1930	0	0	0	0	0	0	0	0	0	0	0	0	0
1931	0	0	0	0	0	0	0	0	0	0	0	0	0
1932	0	0	0	0	0	0	0	0	0	0	0	0	0
1933	0	0	0	0	0	0	0	0	0	0	0	0	0
1934	0	0	0	0	0	0	0	0	0	0	0	0	0
1935	0	0	0	0	0	0	0	0	0	0	0	0	0
1936	0	0	0	0	0	4531	-302	0	4544	3371	0	0	12143
1937	0	0	0	0	-7638	-2600	-1083	0	0	0	0	0	-11321
1938	0	0	6336	-2200	-2200	-2600	-882	2438	3018	3389	0	2781	10079
1939	-1923	0	0	0	-9195	-2186	0	0	0	0	0	0	-13303
1940	0	0	0	0	0	1003	-659	0	0	0	0	0	343
1941	0	0	0	4458	-2200	-2600	-2065	0	5159	3443	0	0	6196
1942	0	0	-3050	-2200	-2200	-2393	600	1314	0	6503	0	0	-1426
1943	0	0	-2595	-2200	-2200	-2600	-1217	0	0	0	0	0	-10812
1944	0	0	0	0	0	295	0	0	0	0	0	0	295
1945	0	0	0	0	922	-2600	-12	0	0	0	0	0	-1690
1946	0	0	3895	-2200	-2200	-2393	724	0	0	0	0	0	-2174
1947	0	0	0	0	0	0	0	0	0	0	0	0	0
1948	0	0	0	0	0	0	0	0	0	0	0	0	0
1949	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	0	0	10962	-1870	-1870	-1682	0	0	0	0	0	0	5540
1952	0	0	0	0	1611	-2061	-905	2656	2981	3099	0	2988	10369
1953	0	0	0	-7260	-2200	-653	0	0	0	0	0	0	-10113
1954	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	0	0	0	0	0	0	0	0	0	0	0	0	0
1956	0	0	0	9542	-2200	-1026	278	0	5087	3443	0	2553	17677
1957	0	0	0	0	0	-9674	0	0	0	0	0	0	-9674
1958	0	0	0	0	0	-1273	-2600	752	2963	3443	0	2906	6192
1959	0	0	0	0	-9129	-1399	0	0	0	0	0	0	-10528
1960	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	0	0	0	0
1963	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	6824	-2200	-1730	523	0	0	6646	4494	235	14791
1966	0	-2783	-2400	-2200	-2200	-1523	0	0	0	0	0	0	-11105
1967	0	0	0	0	0	2041	-1909	0	4615	3443	2741	276	11208
1968	0	0	0	0	-7092	-5051	0	0	0	0	0	0	-12143
1969	0	0	0	4947	-2200	-2020	-280	2837	3072	3443	0	2491	12290
1970	-1591	0	-5000	-2200	-2200	-1978	0	0	0	0	0	0	-12970
1971	0	0	0	1890	1298	-1772	0	0	0	0	0	0	1416
1972	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	4995	-191	0	0	0	0	0	4804
1974	0	0	4245	-2200	-2200	-2310	-1105	0	0	666	0	0	-2905
1975	7955	0	0	0	-9319	-2600	523	0	5864	3443	1934	276	8075
1976	-2337	0	0	0	0	0	0	0	0	0	0	0	-2337
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	-2440	0	0	5453	3013
1979	0	0	0	-7260	-2200	-2269	322	2837	0	0	0	0	-8569
1980	0	0	0	49	-2200	-2310	-101	0	5575	2863	0	3009	6884
1981	0	0	0	0	0	-11518	0	0	0	0	0	0	-11518
1982	0	0	0	4026	-2200	-2600	-1842	2529	2800	3443	2741	-1795	7103
1983	-2669	-2600	-2400	-2200	-2200	-2600	-2065	2094	3072	3443	2534	-1981	-7572
1984	-1053	-2600	-2400	-2200	-2200	-1523	0	0	0	0	0	0	-11975
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	2364	-2600	-771	0	5466	3443	0	2947	10850
1987	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	-8265	0	4236	3443	0	3009	2423
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	-7225	-2600	-1351	1024	2564	3443	2741	276	-1126
1996	0	0	0	-6887	-2200	-2269	-79	0	3714	3443	0	0	-4278
1997	666	-2600	-2400	-2200	-2200	-446	0	0	0	0	0	0	-9180
1998	0	0	0	7654	-2200	-2393	-749	-1096	2492	3443	2741	256	10148
Average	-12	-136	27	-104	-1296	-1077	-312	223	893	958	255	329	-249

**Table R18 MID LaGrange Diversion - Acre-feet
Difference (Project - Benchmark)**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1921	1139	2500	2400	2200	2192	1384	-783	-2361	-2953	-3415	-2688	-57	-440
1922	183	2559	2400	2200	2200	2600	347	-1912	-2999	-3443	-2741	-276	1116
1923	1053	2600	2400	2200	2200	860	659	-2456	-2981	-3443	-2741	490	840
1924	556	2352	2400	2200	2117	3176	-3061	-2627	-2611	-2927	-2330	-235	-991
1925	2022	2210	2040	1870	1870	2034	882	-662	-2818	-3443	-2741	-214	3049
1926	473	2476	2400	2200	2200	73	-520	-2442	-2596	-2927	-2330	-235	-1228
1927	507	2210	2040	1870	1870	1893	235	-2710	-2891	-3443	-2741	-235	-1394
1928	2710	2600	2400	2200	2200	2144	-1371	-2855	-3072	-3443	-2741	-276	496
1929	100	2600	2400	2200	2200	1357	-1241	-2627	-1687	-2927	-2330	-200	-154
1930	85	1893	2040	1870	1870	1471	-2227	-2288	-2611	-2927	-2189	-129	-3143
1931	402	2210	2040	1870	1870	273	-1846	-1211	-1490	-1894	-1485	-129	610
1932	101	1430	1320	1210	1210	1043	-991	-2076	-3072	-3407	-2741	-276	-6250
1933	58	2269	2400	2200	2200	1647	-2058	-1240	-1952	-2233	-1706	146	1732
1934	791	1969	2076	1903	1903	1408	-1686	-1480	-1400	-1894	-1508	-95	1986
1935	420	1430	1320	1210	1210	1430	2042	-1985	-3072	-3443	-2700	-276	-2415
1936	2378	2559	2400	2200	2200	2352	302	-1876	-2673	-3371	-2741	-7	3722
1937	1343	2227	2400	2200	2200	2600	1083	-2638	-3054	-3443	-2741	-276	1901
1938	721	2559	2400	2200	2200	2600	882	-2438	-3018	-3389	-2741	-49	1928
1939	1923	2393	2400	2200	2200	2186	-2709	-2402	-3072	-3443	-2741	946	-121
1940	556	2269	2400	2200	2200	2600	659	-2674	-3072	-3443	-2741	-256	698
1941	721	2269	2400	2200	2200	2600	2065	-2112	-3054	-3443	-2741	-276	2828
1942	1219	2434	2400	2200	2200	2393	-600	-1314	-3072	-3443	-2741	-276	1398
1943	597	2600	2400	2200	2200	2600	1217	-2583	-3072	-3443	-2741	-276	1698
1944	721	2434	2400	2200	2200	1730	-612	-2891	-3018	-3443	-2741	-235	-1255
1945	2461	2600	2400	2200	2200	2600	12	-2638	-2909	-3443	-2741	34	2777
1946	2669	2600	2400	2200	2200	2393	-724	-2021	-3072	-3407	-2741	-194	2303
1947	1011	2476	2400	2200	2159	-1243	-3735	-2837	-2800	-3443	-2741	-235	-6789
1948	2586	2600	2400	2200	2159	1813	-407	-855	-2580	-2927	-2330	-217	4441
1949	1458	1928	2040	1870	1835	837	-3137	-2042	-2611	-2927	-2330	-235	-3313
1950	50	1928	2040	1870	1870	1717	-1203	-2273	-2611	-2927	-2330	452	-1417
1951	2127	2210	2040	1870	1870	1682	-345	-2710	-3072	-3443	-2741	-276	-788
1952	1426	2600	2400	2200	2200	2061	905	-2656	-2981	-3099	-2741	-256	2059
1953	58	2600	2400	2200	2200	653	-1371	-2619	-2673	-3443	-2534	-256	-2785
1954	680	2434	2400	2200	2117	197	-2665	-2783	-2854	-3443	-2741	-276	-4734
1955	58	2600	2400	2200	2200	1523	592	-2221	-3072	-3443	-2741	14	110
1956	100	2600	2400	2200	2200	1026	-278	-2021	-3072	-3443	-2741	117	-913
1957	929	2227	2400	2200	2200	-217	-2620	-1423	-2999	-3443	-2741	-7	-3495
1958	2586	2352	2400	2200	2200	2600	2600	-752	-2963	-3443	-2741	-173	6864
1959	58	2269	2400	2200	2200	1399	-2865	-2873	-3072	-3443	-2700	2106	-2322
1960	58	2227	2400	2200	2200	7162	-2341	-2550	-2611	-2927	-2330	-165	3324
1961	120	2210	2040	1870	1870	802	-1404	-1331	-1690	-1894	-1439	-129	1025
1962	32	1430	1320	1210	1210	1157	-653	-2535	-2611	-2927	-2330	-235	-4932
1963	1036	2104	2040	1870	1870	2210	1328	-2184	-3054	-3443	-2741	-111	925
1964	2544	2600	2400	2200	2159	-1212	-3445	-2964	-2637	-3425	-2741	-256	-4777
1965	2378	2600	2400	2200	2200	1730	-523	-2855	-3072	-3407	-1851	-235	1566
1966	183	2600	2400	2200	2200	1523	-1728	-2873	-2963	-3371	-2741	-276	-2847
1967	58	2600	2400	2200	2200	2269	1909	-2076	-2546	-3443	-2741	-276	2553
1968	432	2600	2400	2200	2159	2352	-2018	-2873	-3072	-3443	-2369	-276	-1909
1969	1716	2600	2400	2200	2200	2020	280	-2837	-3072	-3443	-2741	242	1564
1970	1591	2600	2400	2200	2200	1978	-1148	-3036	-2999	-3443	-2741	-276	-674
1971	887	2600	2400	2200	2200	1772	-791	-2511	-3072	-3443	-2741	-235	-734
1972	763	2559	2400	2200	2200	-938	-3222	-3054	-2963	-3443	-2741	-7	-6248
1973	1591	2600	2400	2200	2200	2600	191	-2891	-3036	-3443	-2741	-276	1395
1974	3000	2600	2400	2200	2200	2310	1105	-2529	-2764	-2718	-2741	-276	4787
1975	2296	2517	2400	2200	2200	2600	-523	-2801	-3072	-3443	-1934	-276	2164
1976	2337	2393	2400	2200	2117	-2258	-2227	-2627	-2580	-2911	-1573	82	-2648
1977	789	2175	2040	1870	1800	2744	-2030	-942	-1690	-1894	-1508	-4	3351
1978	442	1430	1320	1210	1210	1430	2176	-2021	-3072	-3443	-2741	697	-1362
1979	58	2600	2400	2200	2200	2269	-322	-2837	-3072	-3298	-2741	-276	-820
1980	2047	2600	2400	2200	2200	2310	101	-2511	-3072	-2863	-2741	-276	2395
1981	100	2227	2400	2200	2200	2393	-1259	-2946	-3072	-3443	-2741	-276	-2218
1982	2337	2600	2400	2200	2200	2600	1842	-2529	-2800	-3443	-2741	1795	6460
1983	2669	2600	2400	2200	2200	2600	2065	-2094	-3072	-3443	-2534	1981	7572
1984	1053	2600	2400	2200	2200	1523	-1839	-3091	-3072	-3443	-2741	-256	-2466
1985	2669	2600	2400	2200	2200	2061	-1192	-3000	-2873	-3443	-2741	-194	687
1986	1633	2600	2400	2200	2200	2600	771	-2402	-3072	-3443	-2741	-214	2531
1987	1384	2269	2400	2200	2200	1256	-2486	-3091	-3072	-3443	-2741	-276	-3400
1988	1426	2559	2400	2200	2200	-10	-631	-1401	-1550	-1894	-1508	-152	3639
1989	32	1430	1320	1210	1210	815	-2606	-2596	-2611	-2927	-2242	1279	-5687
1990	1599	2140	2040	1870	1870	6238	-1907	-593	-1690	-1894	-1508	-118	8047
1991	1126	1271	1320	1210	1187	1430	-1196	-1650	-1460	-1894	-1405	-152	-213
1992	761	1271	1320	1210	1210	1430	-79	-1590	-1590	-1874	-1508	-152	409
1993	328	1430	1320	1210	1210	1430	258	-1586	-2655	-3443	-2741	-276	-3516
1994	597	2600	2400	2200	2200	-1046	-1549	-970	-3072	-3443	-2741	-235	-3059
1995	929	2600	2400	2200	2200	2600	1351	-1024	-2564	-3443	-2741	-276	4230
1996	58	2227	2400	2200	2200	2269	79	-662	-3054	-3443	-2741	-276	1257
1997	2337	2600	2400	2200	2200	446	-3044	-2909	-2945	-3443	-2741	-276	-3176
1998	307	2600	2400	2200	2200	2393	749	1096	-2492	-3443	-2741	-256	5013
Average	1086	2327	2234	2048	2041	1710	-648	-2185	-2745	-3168	-2495	-42	164

**Table R19 Don Pedro Storage - Acre-feet
Difference (Project - Benchmark)**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1921	-1139	-3639	-6039	-8241	0	0	0	2361	5306	8699	11351	11371
1922	11165	8601	6201	4003	0	0	0	1912	0	0	2741	3009
1923	1950	-651	0	0	0	0	0	2456	5430	8850	11553	11026
1924	10448	8091	5691	3493	1376	-1801	1278	3915	6525	9436	11733	11934
1925	9887	7671	5632	3763	1894	-140	-1022	-357	2462	5895	8610	8795
1926	8304	5824	3424	1225	-975	-1048	-526	1917	4507	7413	9709	9910
1927	9381	7165	5126	3257	1387	-506	-741	1970	4855	8278	10984	11184
1928	8451	5847	3447	1248	0	0	0	2855	5918	9336	12036	12273
1929	12147	9541	7141	4943	2743	1385	2625	5245	6913	9809	12093	12251
1930	12140	10240	8200	6332	4463	2991	5248	7551	10166	13084	15241	15334
1931	14912	12693	10654	8787	6917	6653	8492	9680	11134	12973	14392	14467
1932	14333	12894	11574	10368	9159	8113	9096	11148	14181	17523	20184	20391
1933	20289	18008	15609	13414	11215	9564	11719	13001	14990	17257	18963	18801
1934	18001	16025	13950	12052	10150	8767	10444	11896	13252	15080	16512	16545
1935	16087	14647	13328	12122	10913	9479	7427	9393	12433	15822	18451	18666
1936	16248	13681	11281	9084	6885	0	0	1876	0	0	2741	2740
1937	1391	-837	-3237	-5437	0	0	0	2638	5683	9103	11806	12045
1938	11300	8736	0	0	0	0	0	0	0	0	2741	0
1939	0	-2393	-4793	-6994	0	0	2709	5104	8160	11567	14255	13260
1940	12677	10401	8001	5803	3604	0	0	2674	5737	9157	11859	12077
1941	11331	9056	6657	0	0	0	0	2112	0	0	2741	3009
1942	1785	-650	0	0	0	0	0	0	3072	0	2741	3009
1943	2406	-195	0	0	0	0	0	2583	5647	9067	11770	12009
1944	11263	8823	6424	4225	2026	0	612	3502	6508	9923	12621	12814
1945	10326	7720	5321	3122	0	0	0	2638	5538	8958	11662	11591
1946	8899	6294	0	0	0	0	0	2021	5087	8472	11177	11334
1947	10299	7818	5418	3220	1061	2303	6037	8858	11628	15019	17690	17863
1948	15238	12629	10230	8033	5875	4060	4462	5306	7868	10759	13039	13211
1949	11724	9788	7749	5881	4047	3208	6342	8367	10949	13825	16090	16268
1950	16182	14244	12205	10339	8470	6750	7946	10198	12774	15642	17899	17385
1951	15220	13001	0	0	0	0	345	3054	6116	9532	12231	12466
1952	11014	8408	6009	3810	0	0	0	0	0	0	2741	0
1953	-58	-2658	-5058	0	0	0	1371	3987	6647	10061	12551	12766
1954	12060	9619	7219	5021	2905	2707	5369	8138	10966	14362	17040	17259
1955	17165	14555	12156	9960	7760	6235	5637	7843	10888	14283	16958	16885
1956	16748	14138	11739	0	0	0	0	2021	0	0	2741	63
1957	-866	-3093	-5493	-7694	-9895	0	2620	4037	7023	10436	13132	13096
1958	10483	8126	5726	3528	1328	0	0	0	0	0	2741	0
1959	-58	-2327	-4727	-6928	0	0	2865	5732	8785	12189	14833	12677
1960	12592	10357	7958	5760	3560	-3603	-1239	1334	3960	6892	9209	9352
1961	9220	7005	4965	3097	1227	433	1837	3163	4841	6710	8116	8215
1962	8164	6729	5409	4201	2991	1834	2485	5013	7606	10497	12777	12967
1963	11902	9791	7751	5884	4014	1803	472	2656	5701	9119	11822	11894
1964	9326	6721	4321	2122	-36	1175	4620	7572	10183	13563	16242	16442
1965	14029	11421	9021	0	0	0	0	2855	5918	2654	0	0
1966	-183	0	0	0	0	0	1728	4597	7545	10882	13574	13803
1967	13715	11107	8708	6510	4311	0	0	2076	0	0	0	0
1968	-432	-3031	-5431	-7633	-2700	0	2018	4886	7942	11350	13667	13897
1969	12151	9544	7145	0	0	0	0	0	0	0	2741	0
1970	0	-2600	0	0	0	0	1148	4181	7167	10579	13274	13507
1971	12591	9984	7585	3497	0	0	791	3299	6361	9776	12474	12668
1972	11879	9313	6914	4716	2516	3453	6672	9710	12640	16026	18693	18635
1973	17003	14393	11993	9797	7598	0	0	2891	5918	9336	12037	12275
1974	9250	6645	0	0	0	0	0	2529	5284	7315	10026	10271
1975	0	-2517	-4917	-7119	0	0	0	2801	0	0	0	0
1976	0	-2393	-4793	-6994	-9112	-6851	-4617	-1979	608	3517	5073	4974
1977	4173	1996	-44	-1914	-3714	-6456	-4420	-3465	-1762	140	1647	1645
1978	1199	-232	-1552	-2763	-3973	-5401	-7572	-5531	0	3443	6170	0
1979	-58	-2658	-5058	0	0	0	0	0	3072	6357	9071	9318
1980	7252	4648	2248	0	0	0	0	2511	0	0	2741	0
1981	-100	-2327	-4727	-6928	-9129	0	1259	4202	7260	10671	13365	13596
1982	11230	8624	6224	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	1839	4925	7981	11390	14082	14292
1985	11594	8987	6588	4389	2190	128	1320	4317	7175	10587	13280	13429
1986	11768	9161	6762	4564	0	0	0	2402	0	0	2741	0
1987	-1384	-3652	-6053	-8254	-10455	-11707	-9210	-6097	-3004	453	3192	3457
1988	2024	-536	-2936	-5136	-7337	-7324	-6686	-5267	-3698	-1787	-270	-117
1989	-149	-1579	-2899	-4110	-5320	-6133	-3521	-915	1700	4618	6838	5534
1990	3923	1781	-259	-2129	-3999	-10235	-8317	-7701	-5984	-4061	-2534	-2407
1991	-3527	-4795	-6116	-7328	-8515	-9942	-8540	-6664	-4992	-2832	-1224	-948
1992	-1672	-2936	-4256	-5467	-6678	-8105	-8004	-6370	-4736	-2812	-1269	-1099
1993	-1417	-2846	-4166	-5377	-6587	-8015	0	1586	0	0	2741	0
1994	-597	-3197	-5597	-7798	-9999	-8950	-7392	-6404	-3311	147	2888	3113
1995	2177	-424	-2824	-5025	0	0	0	0	0	0	0	0
1996	-58	-2286	-4686	0	0	0	0	662	0	0	2741	3009
1997	0	0	0	0	0	0	3044	5946	8872	12278	14967	15196
1998	14858	12250	9851	0	0	0	0	0	0	0	0	0
Average	7584	5388	3127	1183	438	-195	770	2735	4582	6777	8990	8676

**Table R20 Don Pedro EOM Elev - Feet
Difference (Project - Benchmark)**

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1921	-0.1	-0.4	-0.7	-0.8	0.0	0.0	0.0	0.2	0.4	0.8	1.0	1.1
1922	1.1	0.9	0.6	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.3
1923	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	1.1	1.1
1924	1.0	0.8	0.6	0.4	0.1	-0.2	0.1	0.5	0.8	1.3	1.7	1.8
1925	1.5	1.1	0.8	0.5	0.2	0.0	-0.1	0.0	0.2	0.6	0.9	0.9
1926	0.9	0.7	0.4	0.1	-0.1	-0.1	-0.1	0.2	0.5	0.8	1.2	1.3
1927	1.3	1.0	0.6	0.4	0.1	0.0	-0.1	0.2	0.4	0.7	1.0	1.0
1928	0.8	0.5	0.3	0.1	0.0	0.0	0.0	0.2	0.5	0.9	1.2	1.3
1929	1.3	1.0	0.8	0.6	0.3	0.2	0.3	0.6	0.7	1.1	1.5	1.5
1930	1.6	1.4	1.0	0.8	0.6	0.4	0.6	0.9	1.2	1.7	2.0	2.2
1931	2.2	1.9	1.5	1.2	0.9	0.9	1.3	1.5	1.9	2.4	2.8	3.0
1932	3.0	2.8	2.2	1.6	1.2	1.0	1.1	1.3	1.5	1.9	2.4	2.5
1933	2.6	2.4	2.1	1.8	1.5	1.2	1.6	1.7	1.9	2.4	2.8	3.0
1934	3.0	2.7	2.2	1.9	1.5	1.2	1.6	1.9	2.1	2.6	3.1	3.3
1935	3.2	2.9	2.3	1.9	1.5	1.2	0.8	1.0	1.1	1.5	2.0	2.1
1936	1.8	1.6	1.3	1.0	0.6	0.0	0.0	0.2	0.0	0.0	0.2	0.2
1937	0.1	-0.1	-0.3	-0.5	0.0	0.0	0.0	0.2	0.4	0.8	1.0	1.1
1938	1.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
1939	0.0	-0.2	-0.4	-0.6	0.0	0.0	0.2	0.5	0.8	1.2	1.6	1.6
1940	1.5	1.3	1.0	0.6	0.3	0.0	0.0	0.2	0.5	0.8	1.1	1.2
1941	1.1	0.9	0.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.3
1942	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.3
1943	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.8	1.0	1.1
1944	1.1	0.9	0.6	0.4	0.2	0.0	0.1	0.3	0.6	0.9	1.3	1.4
1945	1.1	0.8	0.5	0.3	0.0	0.0	0.0	0.2	0.4	0.7	1.0	1.1
1946	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.8	1.1	1.2
1947	1.1	0.8	0.5	0.3	0.1	0.2	0.6	0.9	1.3	1.7	2.2	2.4
1948	2.0	1.7	1.3	1.0	0.7	0.5	0.6	0.6	0.8	1.2	1.6	1.7
1949	1.6	1.3	1.0	0.8	0.5	0.4	0.8	0.9	1.2	1.7	2.1	2.3
1950	2.4	2.1	1.8	1.5	1.1	0.8	0.9	1.2	1.4	1.8	2.3	2.3
1951	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.3	1.4
1952	1.3	1.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
1953	0.0	-0.2	-0.5	0.0	0.0	0.0	0.1	0.4	0.6	0.9	1.2	1.3
1954	1.3	1.0	0.8	0.5	0.3	0.3	0.5	0.7	1.0	1.4	1.7	1.9
1955	1.9	1.7	1.4	1.1	0.8	0.6	0.6	0.8	1.1	1.6	2.1	2.2
1956	2.3	2.0	1.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0
1957	-0.1	-0.3	-0.5	-0.7	-0.9	0.0	0.2	0.4	0.6	1.0	1.3	1.3
1958	1.1	0.8	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0
1959	0.0	-0.2	-0.4	-0.6	0.0	0.0	0.3	0.5	0.9	1.3	1.7	1.4
1960	1.5	1.3	1.0	0.7	0.4	-0.4	-0.1	0.1	0.5	0.9	1.2	1.3
1961	1.4	1.0	0.7	0.4	0.2	0.1	0.3	0.5	0.8	1.2	1.5	1.5
1962	1.6	1.3	1.1	0.8	0.5	0.2	0.3	0.7	0.9	1.3	1.7	1.8
1963	1.8	1.5	1.1	0.8	0.5	0.2	0.1	0.3	0.5	0.8	1.1	1.2
1964	0.9	0.7	0.4	0.2	0.0	0.1	0.4	0.7	1.0	1.5	1.8	2.0
1965	1.7	1.4	0.8	0.0	0.0	0.0	0.0	0.2	0.5	0.2	0.0	0.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	1.2	1.5	1.7
1967	1.7	1.4	0.9	0.6	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0
1968	0.0	-0.3	-0.5	-0.7	-0.2	0.0	0.2	0.4	0.8	1.2	1.6	1.7
1969	1.5	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
1970	0.0	-0.2	0.0	0.0	0.0	0.0	0.1	0.4	0.6	1.0	1.4	1.4
1971	1.4	1.1	0.7	0.3	0.0	0.0	0.1	0.3	0.6	0.9	1.3	1.4
1972	1.3	1.0	0.7	0.5	0.2	0.3	0.6	1.0	1.3	1.8	2.4	2.5
1973	2.3	1.9	1.4	1.1	0.7	0.0	0.0	0.3	0.5	0.8	1.1	1.2
1974	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.9	0.9
1975	0.0	-0.2	-0.5	-0.7	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
1976	0.0	-0.2	-0.4	-0.6	-0.8	-0.7	-0.5	-0.2	0.1	0.4	0.6	0.7
1977	0.6	0.3	0.0	-0.3	-0.5	-1.0	-0.7	-0.6	-0.3	0.0	0.4	0.4
1978	0.3	-0.1	-0.3	-0.5	-0.6	-0.7	-0.8	-0.6	0.0	0.3	0.5	0.0
1979	0.0	-0.2	-0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	0.9
1980	0.7	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0
1981	0.0	-0.2	-0.4	-0.6	-0.8	0.0	0.1	0.4	0.7	1.1	1.4	1.5
1982	1.3	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	1.0	1.4	1.5
1985	1.2	0.9	0.6	0.4	0.2	0.0	0.1	0.4	0.7	1.1	1.4	1.5
1986	1.3	1.0	0.7	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0
1987	-0.1	-0.3	-0.6	-0.8	-1.0	-1.1	-0.9	-0.6	-0.3	0.1	0.4	0.4
1988	0.3	-0.1	-0.4	-0.6	-0.9	-0.9	-0.8	-0.7	-0.5	-0.3	0.0	0.0
1989	0.0	-0.2	-0.4	-0.6	-0.8	-0.8	-0.4	-0.1	0.2	0.6	1.0	0.8
1990	0.6	0.3	0.0	-0.3	-0.5	-1.4	-1.1	-1.0	-0.8	-0.6	-0.4	-0.4
1991	-0.6	-0.8	-1.0	-1.2	-1.4	-1.6	-1.3	-0.9	-0.7	-0.4	-0.2	-0.1
1992	-0.2	-0.4	-0.6	-0.8	-0.9	-1.0	-1.0	-0.8	-0.6	-0.4	-0.2	-0.2
1993	-0.2	-0.4	-0.6	-0.6	-0.7	-0.7	0.0	0.1	0.0	0.0	0.2	0.0
1994	-0.1	-0.3	-0.5	-0.7	-0.9	-0.8	-0.7	-0.6	-0.3	0.0	0.3	0.4
1995	0.3	-0.1	-0.3	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	0.0	-0.2	-0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.3
1997	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.7	1.0	1.3	1.4
1998	1.4	1.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average	0.9	0.7	0.4	0.2	0.1	0.0	0.1	0.3	0.5	0.7	1.0	1.0

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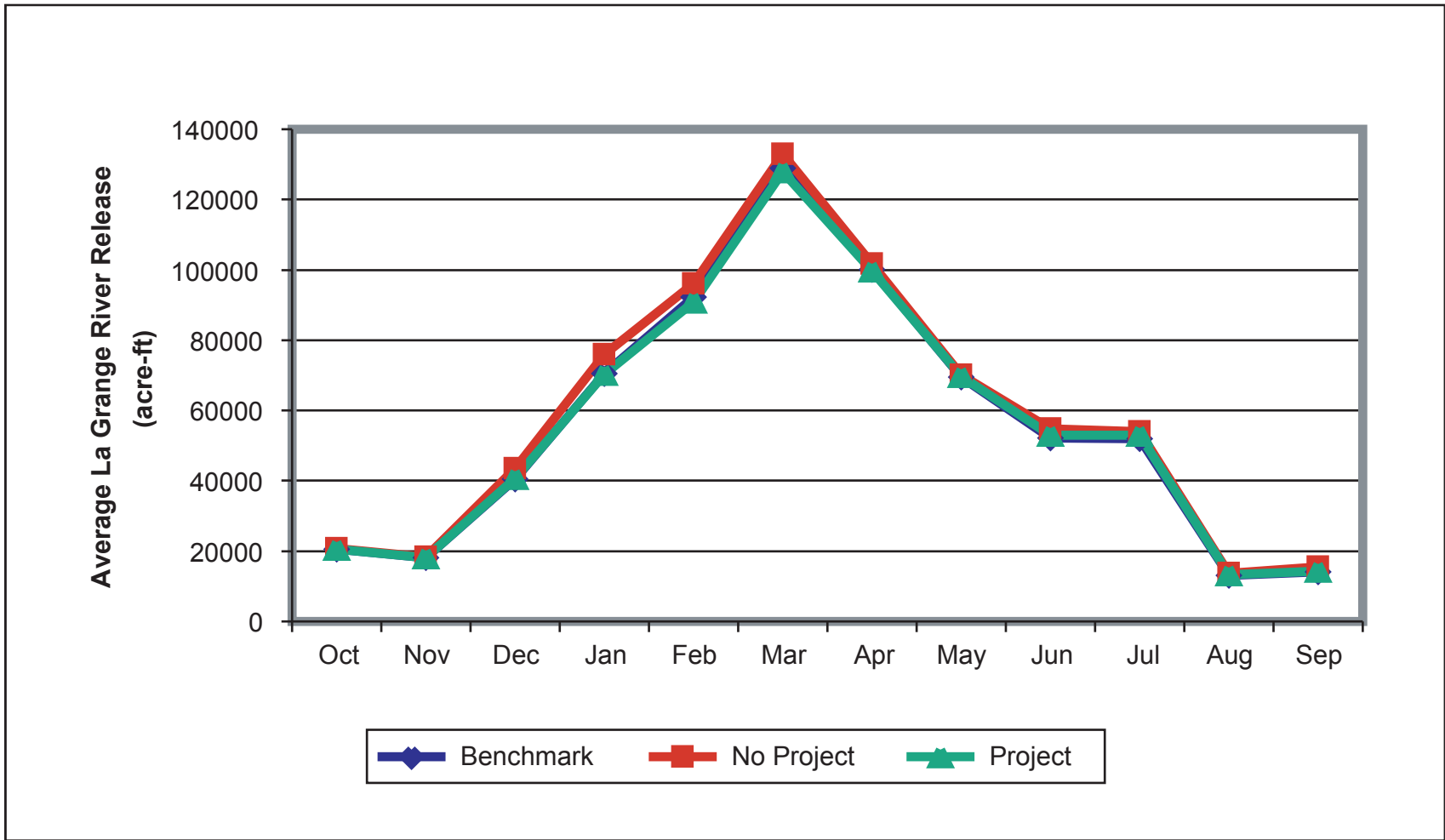


Figure E-2
Average Monthly La Grange River Releases (acre-ft) for the Benchmark, No Project, and Project Scenarios

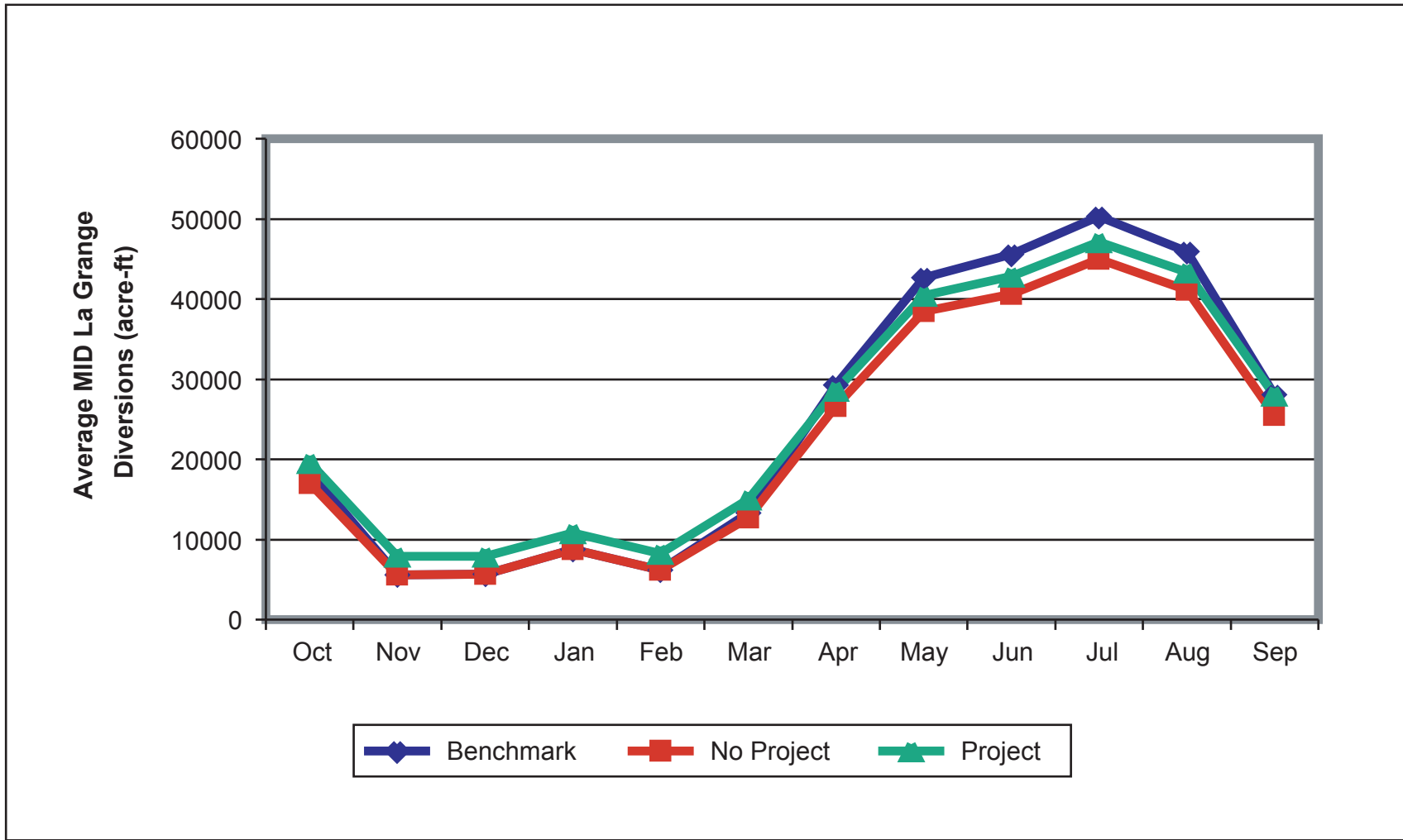


Figure E-3
Average Monthly MID La Grange Diversions (acre-ft) for the Benchmark, No Project, and Project Scenarios

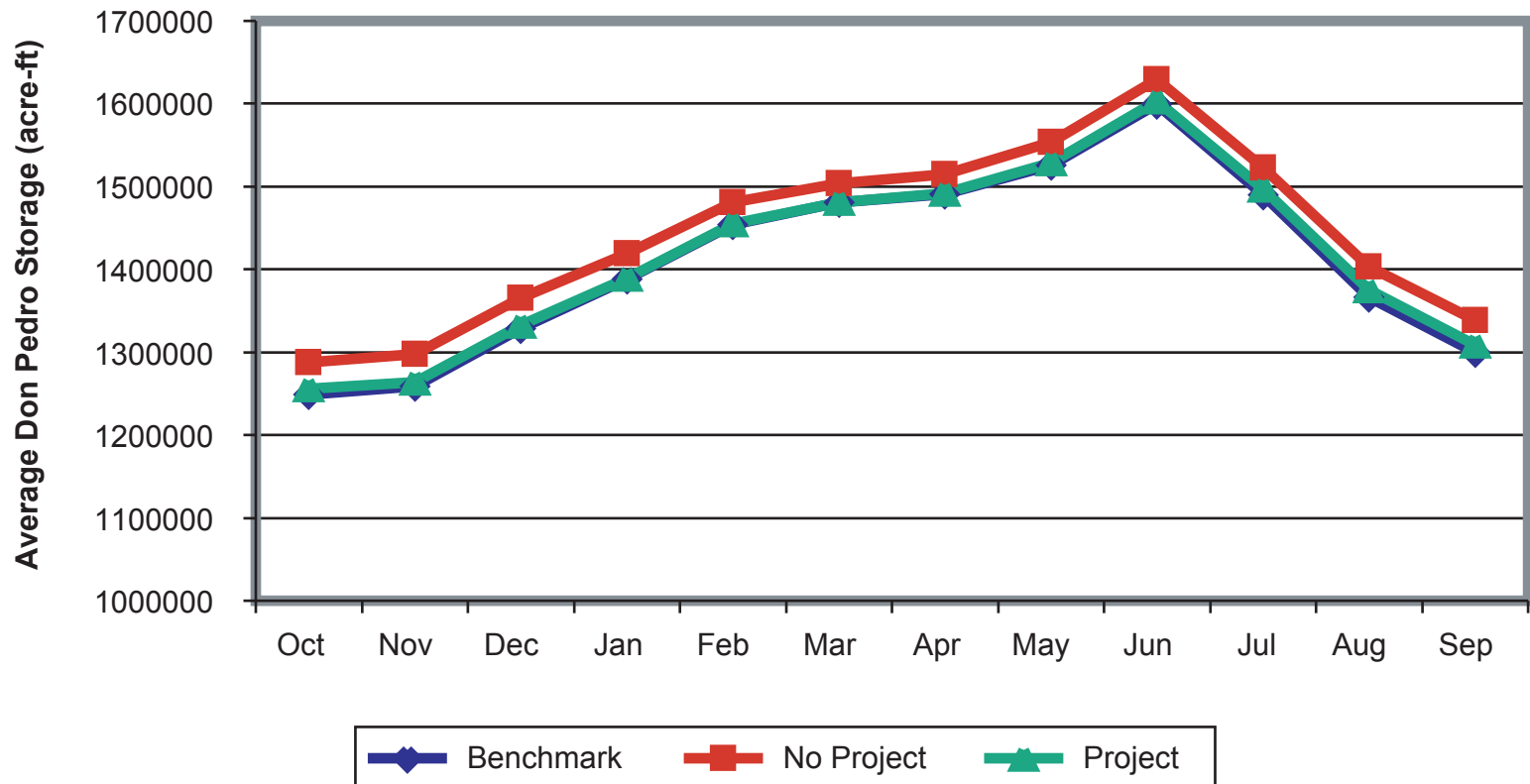


Figure E-4
Average Monthly Don Pedro Storage (acre-ft) for the Benchmark, No Project, and Project Scenarios

03564.03.001 Appendix D (10/04)

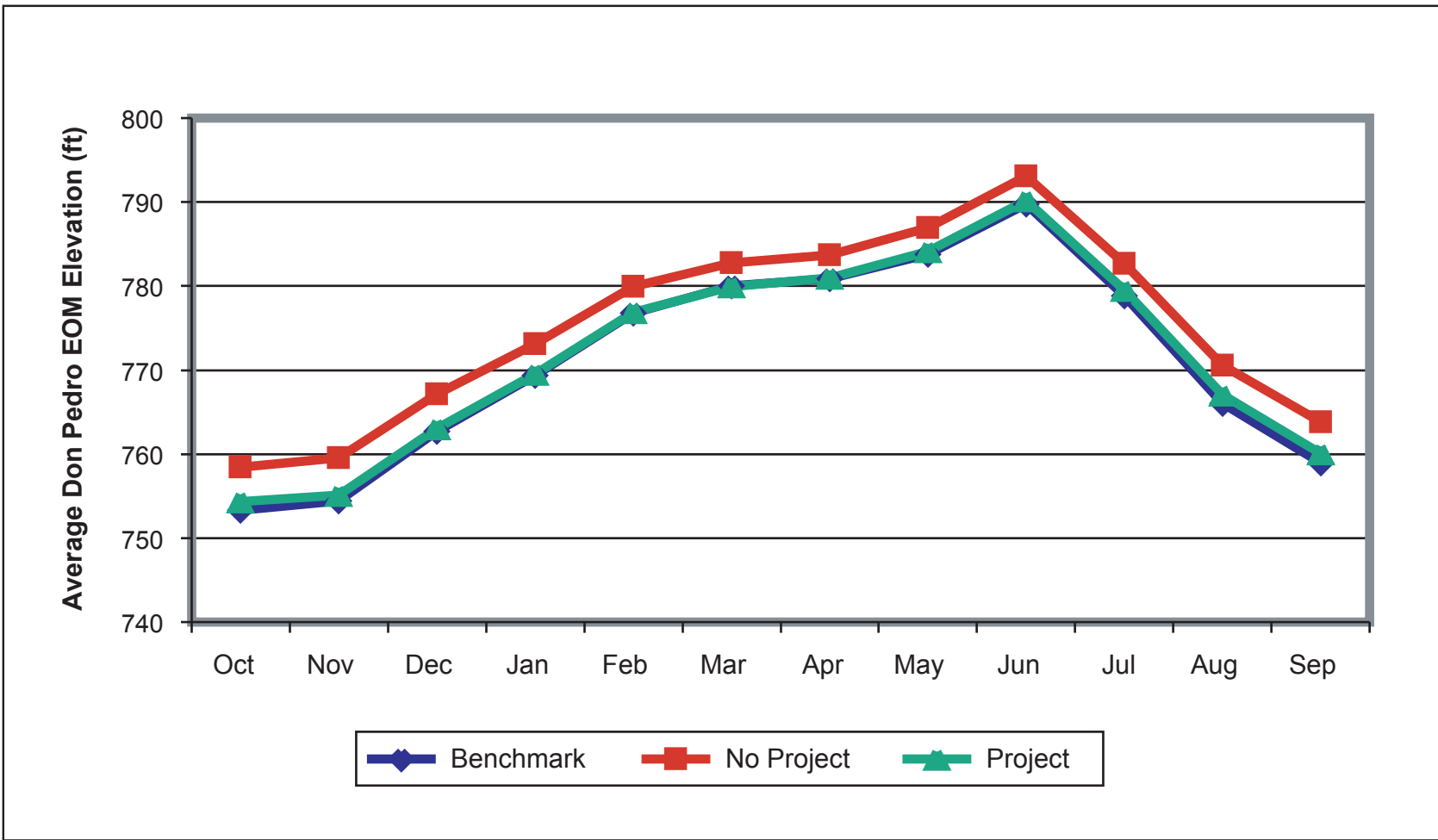


Figure E-5
Average Monthly Don Pedro EOM Elevation (ft) for the Benchmark, No Project, and Project Scenarios

