

RESERVOIR ON SACRAMENTO RIVER.

POWER GENERATION WITH INCIDENTAL IRRIGATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.
mary, see Table 1, page 108.)

Installed capacity of power plant 400,000 k.v.a. P. F. = 0.80

Coordinated with flood control by reservoir operating diagram										Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.										
Stage of reservoir at beginning of month in acre-feet	Power draft through turbine in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Secondary					*Primary	Secondary	Total	
2,346,000	237,000	94,000	0	264,000	0	394	97,400	38,300	135,700	1908 Jan.
2,655,000	234,000	210,000	0	629,000	0	388	98,400	90,800	189,200	Feb.
2,552,000	250,000	88,000	0	37,000	0	401	104,200	36,300	140,500	Mar.
2,846,000	247,000	134,000	7,000	0	45,000	411	109,000	58,300	167,300	April
2,940,000	276,000	187,000	10,000	0	19,000	411	117,500	79,600	197,100	May
2,940,000	283,000	103,000	12,000	0	0	410	124,200	45,100	169,300	June
2,882,000	298,000	75,000	14,000	0	0	407	125,400	31,600	157,000	July
2,755,000	304,000	63,000	13,000	0	0	400	126,700	26,200	152,900	Aug.
2,604,000	282,000	48,000	10,000	0	0	394	120,000	20,400	140,400	Sept.
2,469,000	278,000	48,000	7,000	0	0	388	113,400	19,500	132,900	Oct.
2,371,000	264,000	81,000	5,000	0	0	384	110,300	33,800	144,100	Nov.
2,278,000	273,000	15,000	0	0	0	380	109,400	5,900	115,300	Dec.
	3,226,000	1,146,000	78,000	930,000	64,000	398	113,000	40,200	153,200	Total or average
2,257,000	242,000	218,000	0	2,551,000	0	383	97,400	87,100	184,500	1909 Jan.
2,506,000	227,000	242,000	0	1,938,000	0	386	101,900	108,100	210,000	Feb.
2,625,000	249,000	197,000	0	247,000	0	401	104,200	81,700	185,900	Mar.
2,909,000	249,000	229,000	7,000	10,000	230,000	409	109,000	100,100	209,100	April
2,940,000	276,000	216,000	10,000	0	79,000	410	117,500	91,500	209,000	May
2,940,000	282,000	171,000	12,000	0	3,000	410	124,200	74,900	199,100	June
2,882,000	298,000	123,000	14,000	0	0	406	125,400	51,700	177,100	July
2,755,000	304,000	98,000	13,000	0	0	400	126,700	40,900	167,600	Aug.
2,604,000	282,000	89,000	10,000	0	0	394	120,000	37,800	157,800	Sept.
2,469,000	278,000	97,000	7,000	0	0	388	113,400	39,400	152,800	Oct.
2,371,000	264,000	174,000	5,000	0	0	384	110,300	72,500	182,800	Nov.
2,466,000	266,000	245,000	0	39,000	0	395	109,400	100,600	210,000	Dec.
	3,217,000	2,099,000	78,000	4,785,000	312,000	397	113,400	73,600	187,000	Total or average
2,637,000	235,000	139,000	0	327,000	0	398	97,400	57,000	154,400	1910 Jan.
2,644,000	221,000	138,000	0	358,000	0	399	101,900	62,900	164,800	Feb.
2,774,000	247,000	239,000	0	351,000	236,000	406	104,200	100,400	204,600	Mar.
2,940,000	249,000	232,000	7,000	0	177,000	408	109,000	101,000	210,000	April
2,940,000	276,000	128,000	10,000	0	1,000	412	117,500	54,400	171,900	May
2,940,000	282,000	46,000	12,000	0	0	412	124,200	20,100	144,300	June
2,882,000	297,000	70,000	14,000	0	0	408	125,400	29,400	154,800	July
2,755,000	304,000	70,000	13,000	0	0	400	126,700	29,200	155,900	Aug.
2,604,000	282,000	57,000	10,000	0	0	394	120,000	24,200	144,200	Sept.
2,469,000	278,000	44,000	7,000	0	0	388	113,400	17,900	131,300	Oct.
2,371,000	265,000	97,000	5,000	0	0	383	110,300	40,300	150,600	Nov.
2,278,000	274,000	183,000	0	0	0	380	109,400	73,000	182,400	Dec.
	3,210,000	1,443,000	78,000	1,036,000	414,000	399	113,400	50,800	164,200	Total or average
2,257,000	241,000	18,000	0	193,000	0	384	97,400	7,300	104,700	1911 Jan.
2,505,000	226,000	168,000	0	377,000	0	389	101,900	75,000	176,900	Feb.
2,582,000	253,000	246,000	0	518,000	0	395	104,200	100,900	205,100	Mar.
2,813,000	249,000	232,000	7,000	99,000	248,000	407	109,000	101,000	210,000	April
2,940,000	278,000	219,000	10,000	0	164,000	408	117,500	92,500	210,000	May
2,940,000	282,000	182,000	12,000	0	13,000	410	124,200	79,600	203,800	June
2,882,000	298,000	102,000	14,000	0	0	406	125,400	42,900	168,300	July
2,755,000	304,000	78,000	13,000	0	0	400	126,700	32,500	159,200	Aug.
2,604,000	282,000	74,000	10,000	0	0	394	120,000	30,700	150,700	Sept.
2,469,000	278,000	53,000	7,000	0	0	388	113,400	24,100	137,500	Oct.
2,371,000	264,000	65,000	5,000	0	0	384	110,300	26,900	137,200	Nov.
2,278,000	273,000	0	0	0	0	380	109,400	0	109,400	Dec.
	3,228,000	1,443,000	78,000	1,217,000	425,000	396	113,400	50,800	164,200	Total or average

TABLE 1a (Continued). KENNETT
WATER AND POWER YIELD, OPERATING PRIMARILY FOR
BOTH
WITH AND WITHOUT FLOOD CONTROL
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control								
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)		
			Primary	Secondary				*Primary	Secondary	Total
1912										
Jan.	517,000	2,249,000	239,000	0	0	0	388	97,400	0	97,400
Feb.	396,000	2,527,000	221,000	0	0	0	399	98,400	0	98,400
Mar.	635,000	2,702,000	246,000	118,000	0	33,000	409	104,200	50,300	154,500
April	487,000	2,940,000	247,000	182,000	7,000	51,000	411	109,000	80,000	189,000
May	714,000	2,940,000	277,000	217,000	10,000	210,000	410	117,500	91,900	209,400
June	405,000	2,940,000	282,000	158,000	12,000	11,000	411	124,200	69,000	193,200
July	274,000	2,882,000	298,000	89,000	14,000	0	406	125,400	37,500	162,900
Aug.	238,000	2,755,000	304,000	72,000	13,000	0	400	126,700	30,000	156,700
Sept.	242,000	2,604,000	282,000	85,000	10,000	0	394	120,000	36,000	156,000
Oct.	226,000	2,469,000	278,000	39,000	7,000	0	388	113,400	15,900	129,300
Nov.	432,000	2,371,000	264,000	210,000	5,000	0	385	110,300	87,100	197,400
Dec.	369,000	2,324,000	273,000	163,000	0	0	380	109,400	64,500	173,900
Total or average	4,935,000		3,211,000	1,333,000	78,000	305,000	398	113,000	46,900	159,900
1913										
Jan.	763,000	2,257,000	237,000	0	0	0	392	97,400	0	97,400
Feb.	387,000	2,783,000	216,000	14,000	0	0	411	101,900	6,400	108,300
Mar.	441,000	2,940,000	243,000	179,000	0	19,000	413	104,200	76,200	180,400
April	685,000	2,940,000	247,000	231,000	7,000	200,000	411	109,000	101,000	210,000
May	521,000	2,940,000	276,000	201,000	10,000	34,000	411	117,500	85,500	203,000
June	321,000	2,940,000	283,000	84,000	12,000	0	410	124,200	36,800	161,000
July	263,000	2,882,000	298,000	78,000	14,000	0	407	125,400	32,800	158,200
Aug.	232,000	2,755,000	304,000	66,000	13,000	0	400	126,700	27,600	154,300
Sept.	190,000	2,604,000	282,000	33,000	10,000	0	394	120,000	14,000	134,000
Oct.	202,000	2,469,000	278,000	15,000	7,000	0	388	113,400	6,000	119,400
Nov.	316,000	2,371,000	265,000	105,000	5,000	0	383	110,300	45,600	155,900
Dec.	696,000	2,312,000	272,000	183,000	0	0	381	109,400	72,900	182,300
Total or average	5,017,000		3,201,000	1,189,000	78,000	253,000	400	113,400	42,100	155,500
1914										
Jan.	2,797,000	2,553,000	233,000	255,000	0	1,922,000	401	97,400	105,500	202,900
Feb.	1,359,000	2,940,000	220,000	234,000	0	905,000	402	101,900	108,100	210,000
Mar.	987,000	2,940,000	247,000	252,000	0	488,000	406	104,200	105,800	210,000
April	1,137,000	2,940,000	250,000	232,000	7,000	648,000	407	109,000	101,000	210,000
May	703,000	2,940,000	278,000	220,000	10,000	195,000	408	117,500	92,500	210,000
June	452,000	2,940,000	283,000	196,000	12,000	13,000	410	124,200	85,800	210,000
July	309,000	2,888,000	298,000	130,000	14,000	0	406	125,400	54,800	180,200
Aug.	248,000	2,755,000	304,000	82,000	13,000	0	400	126,700	34,100	160,800
Sept.	225,000	2,604,000	282,000	68,000	10,000	0	394	120,000	28,800	148,800
Oct.	269,000	2,469,000	278,000	82,000	7,000	0	388	113,400	33,200	146,600
Nov.	252,000	2,371,000	265,000	75,000	5,000	0	383	110,300	31,100	141,400
Dec.	347,000	2,278,000	273,000	95,000	0	0	380	109,400	37,900	147,300
Total or average	9,085,000		3,211,000	1,921,000	78,000	4,171,000	399	113,400	68,000	181,400
1915										
Jan.	895,000	2,257,000	237,000	0	0	0	394	97,400	0	97,400
Feb.	2,298,000	2,915,000	221,000	235,000	0	1,817,000	400	101,900	108,100	210,000
Mar.	1,264,000	2,940,000	248,000	254,000	0	782,000	403	104,200	105,800	210,000
April	1,159,000	2,940,000	250,000	233,000	7,000	669,000	405	109,000	101,000	210,000
May	1,256,000	2,940,000	279,000	220,000	10,000	747,000	405	117,500	92,500	210,000
June	572,000	2,940,000	283,000	195,000	12,000	99,000	410	124,200	85,800	210,000
July	343,000	2,923,000	298,000	199,000	14,000	0	406	125,400	83,900	209,300
Aug.	266,000	2,755,000	304,000	100,000	13,000	0	400	126,700	41,700	168,400
Sept.	215,000	2,604,000	282,000	58,000	10,000	0	394	120,000	24,700	144,700
Oct.	233,000	2,469,000	278,000	46,000	7,000	0	388	113,400	18,700	132,100
Nov.	254,000	2,371,000	264,000	78,000	5,000	0	383	110,300	32,400	142,700
Dec.	699,000	2,278,000	270,000	235,000	0	0	387	109,400	94,900	204,300
Total or average	9,454,000		3,214,000	1,853,000	78,000	4,094,000	398	113,400	65,500	178,900

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

POWER GENERATION WITH INCIDENTAL IRRIGATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 1, page 108.)

Installed capacity of power plant 400,000 k.v.a. P. F. = 0.80

Coordinated with flood control by reservoir operating diagram										Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.										
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Secondary					*Primary	Secondary	Total	
2,249,000	239,000	0	0	0	0	388	97,400	0	97,400	1912
2,527,000	221,000	0	0	0	0	399	98,400	0	98,400	Jan.
2,702,000	246,000	118,000	0	0	33,000	409	104,200	50,300	154,500	Feb.
2,940,000	247,000	182,000	7,000	0	51,000	411	109,000	80,000	189,000	Mar.
2,940,000	277,000	217,000	10,000	0	210,000	410	117,500	91,900	209,400	Apr.
2,940,000	282,000	158,000	12,000	0	11,000	411	124,200	69,000	193,200	May
2,882,000	298,000	89,000	14,000	0	0	406	125,400	37,500	162,900	June
2,755,000	304,000	72,000	13,000	0	0	400	126,700	30,000	156,700	July
2,604,000	282,000	85,000	10,000	0	0	394	129,000	36,000	156,000	Aug.
2,469,000	278,000	39,000	7,000	0	0	388	113,400	15,900	129,300	Sept.
2,371,000	264,000	210,000	5,000	0	0	385	110,300	87,100	197,400	Oct.
2,324,000	273,000	163,000	0	0	0	380	109,400	64,500	173,900	Nov.
	3,211,000	1,333,000	78,000	0	305,000	398	113,000	46,900	159,900	Dec.
										Total or average
2,257,000	240,000	111,000	0	137,000	0	386	97,400	45,000	142,400	1913
2,532,000	222,000	17,000	0	0	0	399	101,900	7,600	109,500	Jan.
2,680,000	247,000	0	0	0	0	405	104,200	0	104,200	Feb.
2,874,000	249,000	200,000	7,000	0	163,000	409	109,000	87,600	196,600	Mar.
2,940,000	278,000	201,000	10,000	0	34,000	411	117,500	85,500	203,000	Apr.
2,940,000	283,000	84,000	12,000	0	0	410	124,200	36,800	161,000	May
2,882,000	298,000	78,000	14,000	0	0	407	125,400	32,800	158,200	June
2,755,000	304,000	66,000	13,000	0	0	400	126,700	27,600	154,300	July
2,604,000	282,000	33,000	10,000	0	0	394	120,000	14,000	134,000	Aug.
2,469,000	278,000	15,000	7,000	0	0	388	113,400	6,000	119,400	Sept.
2,371,000	265,000	105,000	5,000	0	0	383	110,300	43,600	153,900	Oct.
2,312,000	272,000	183,000	0	0	0	381	109,400	72,900	182,300	Nov.
	3,216,000	1,093,000	78,000	137,000	197,000	398	113,400	38,500	151,900	Dec.
										Total or average
2,553,000	238,000	258,000	0	2,075,000	0	392	97,400	105,200	202,600	1914
2,779,000	224,000	237,000	0	903,000	0	394	101,900	108,100	210,000	Jan.
2,774,000	249,000	240,000	0	374,000	0	402	104,200	99,600	203,800	Feb.
2,898,000	249,000	231,000	7,000	6,000	602,000	407	109,000	100,700	209,700	Mar.
2,940,000	278,000	220,000	10,000	0	195,000	408	117,500	92,500	210,000	Apr.
2,940,000	283,000	196,000	12,000	0	13,000	410	124,200	85,800	210,000	May
2,888,000	298,000	130,000	14,000	0	0	406	125,400	54,800	180,200	June
2,755,000	304,000	82,000	13,000	0	0	400	126,700	34,100	160,800	July
2,604,000	282,000	65,000	10,000	0	0	394	120,000	28,800	148,800	Aug.
2,469,000	278,000	82,000	7,000	0	0	388	113,400	33,200	146,600	Sept.
2,371,000	265,000	75,000	5,000	0	0	383	110,300	31,100	141,400	Oct.
2,273,000	273,000	95,000	0	0	0	380	109,400	37,900	147,300	Nov.
										Dec.
	3,221,000	1,914,000	78,000	3,358,000	810,000	397	113,400	67,400	180,800	Total or average
2,257,000	239,000	101,000	0	324,000	0	388	97,400	40,900	138,300	1915
2,488,000	228,000	242,000	0	1,625,000	0	386	101,900	108,100	210,000	Jan.
2,691,000	250,000	256,000	0	522,000	0	399	104,200	105,800	210,000	Feb.
2,927,000	249,000	234,000	7,000	38,000	618,000	405	109,000	101,000	210,000	Mar.
2,940,000	279,000	220,000	10,000	0	747,000	405	117,500	92,500	210,000	Apr.
2,940,000	283,000	195,000	12,000	0	99,000	410	124,200	85,800	210,000	May
2,923,000	298,000	199,000	14,000	0	0	406	125,400	83,900	209,300	June
2,755,000	304,000	100,000	13,000	0	0	400	126,700	41,700	168,400	July
2,604,000	282,000	58,000	10,000	0	0	394	120,000	24,700	144,700	Aug.
2,469,000	278,000	46,000	7,000	0	0	388	113,400	18,700	132,100	Sept.
2,371,000	264,000	78,000	5,000	0	0	381	110,300	32,400	142,700	Oct.
2,278,000	270,000	235,000	0	0	0	387	109,400	94,900	204,300	Nov.
										Dec.
	3,224,000	1,964,000	78,000	2,599,000	1,464,000	396	113,400	69,000	182,400	Total or average

TABLE 1a (Continued). KENNETT
WATER AND POWER YIELD, OPERATING PRIMARILY FOR
BOTH
WITH AND WITHOUT FLOOD CONTROL
Monthly Summary of Computa
(For corresponding yearly sum
Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control								
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)		
			Primary	Secondary				*Primary	Secondary	Total
1916										
Jan.	1,166,000	2,472,000	232,000	78,000	0	388,000	403	97,400	32,700	130,100
Feb.	1,616,000	2,940,000	219,000	248,000	0	1,149,000	406	98,400	111,600	210,000
Mar.	1,215,000	2,940,000	248,000	252,000	0	715,000	404	104,200	105,800	210,000
April	678,000	2,940,000	251,000	230,000	7,000	190,000	408	109,000	100,300	209,300
May	485,000	2,940,000	276,000	173,000	10,000	26,000	412	117,500	73,500	191,000
June	353,000	2,940,000	283,000	116,000	12,000	0	410	124,200	50,800	175,000
July	316,000	2,882,000	298,000	131,000	14,000	0	407	125,400	55,200	180,600
Aug.	244,000	2,755,000	304,000	78,000	13,000	0	400	126,700	32,500	159,200
Sept.	213,000	2,604,000	282,000	56,000	10,000	0	394	120,000	23,800	143,800
Oct.	236,000	2,469,000	278,000	49,000	7,000	0	388	113,400	19,900	133,300
Nov.	242,000	2,371,000	264,000	66,000	5,000	0	384	110,300	27,500	137,800
Dec.	363,000	2,278,000	273,000	111,000	0	0	380	109,400	44,500	153,900
Total or average	7,127,000		3,208,000	1,588,000	78,000	2,468,000	400	113,000	56,300	169,000
1917										
Jan.	312,000	2,257,000	242,000	0	0	0	382	97,400	0	97,400
Feb.	760,000	2,327,000	226,000	0	0	0	388	101,900	0	101,900
Mar.	459,000	2,861,000	243,000	126,000	0	11,000	412	104,200	53,500	157,700
April	906,000	2,940,000	248,000	231,000	7,000	420,000	410	109,000	101,000	210,000
May	580,000	2,940,000	276,000	210,000	10,000	84,000	411	117,500	89,000	206,500
June	329,000	2,940,000	283,000	92,000	12,000	0	410	124,200	40,300	164,500
July	238,000	2,882,000	297,000	54,000	14,000	0	402	125,400	22,700	148,100
Aug.	214,000	2,755,000	303,000	49,000	13,000	0	402	126,700	20,400	147,100
Sept.	185,000	2,604,000	282,000	28,000	10,000	0	394	120,000	11,900	131,900
Oct.	200,000	2,469,000	278,000	13,000	7,000	0	388	113,400	5,400	118,800
Nov.	224,000	2,371,000	264,000	48,000	5,000	0	384	110,300	20,000	130,300
Dec.	298,000	2,278,000	273,000	46,000	0	0	380	109,400	18,400	127,800
Total or average	4,705,000		3,215,000	897,000	78,000	515,000	397	113,400	32,000	145,400
1918										
Jan.	249,000	2,257,000	243,000	0	0	0	380	97,400	0	97,400
Feb.	399,000	2,263,000	229,000	0	0	0	383	101,900	0	101,900
Mar.	772,000	2,433,000	251,000	8,000	0	6,000	398	104,200	3,400	107,600
April	556,000	2,940,000	247,000	208,000	7,000	94,000	411	109,000	91,100	200,100
May	314,000	2,940,000	276,000	28,000	10,000	0	412	117,500	12,000	129,500
June	232,000	2,940,000	282,000	0	12,000	0	412	124,200	0	124,200
July	200,000	2,878,000	297,000	12,000	14,000	0	408	125,400	5,100	130,500
Aug.	192,000	2,755,000	303,000	27,000	13,000	0	402	126,700	11,200	137,900
Sept.	186,000	2,604,000	282,000	29,000	10,000	0	394	120,000	12,400	132,400
Oct.	258,000	2,469,000	278,000	71,000	7,000	0	388	113,400	28,900	142,300
Nov.	246,000	2,371,000	264,000	70,000	5,000	0	384	110,300	29,000	139,300
Dec.	258,000	2,278,000	270,000	9,000	0	0	380	109,400	3,600	113,000
Total or average	3,862,000		3,222,000	462,000	78,000	100,000	396	113,400	16,300	129,700
1919										
Jan.	587,000	2,257,000	240,000	0	0	0	387	97,400	0	97,400
Feb.	1,163,000	2,604,000	219,000	150,000	0	458,000	404	101,900	69,300	171,200
Mar.	959,000	2,940,000	246,000	251,000	0	462,000	408	104,200	105,800	210,000
April	752,000	2,940,000	249,000	231,000	7,000	265,000	408	109,000	101,000	210,000
May	438,000	2,940,000	277,000	151,000	10,000	0	410	117,500	64,100	181,600
June	252,000	2,940,000	282,000	16,000	12,000	0	412	124,200	7,100	131,300
July	210,000	2,882,000	297,000	35,000	14,000	0	408	125,400	14,800	140,200
Aug.	199,000	2,755,000	303,000	34,000	13,000	0	402	126,700	14,200	140,900
Sept.	168,000	2,604,000	282,000	11,000	10,000	0	394	120,000	4,600	124,600
Oct.	203,000	2,469,000	278,000	16,000	7,000	0	388	113,400	6,500	119,900
Nov.	186,000	2,371,000	264,000	10,000	5,000	0	384	110,300	4,200	114,500
Dec.	180,000	2,278,000	274,000	0	0	0	378	109,400	0	109,400
Total or average	5,306,000		3,211,000	905,000	78,000	1,185,000	399	113,400	32,400	145,800

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

POWER GENERATION WITH INCIDENTAL IRRIGATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 1, page 108.)

Installed capacity of power plant 400,000 k.v.a. P. F.=0.80

Coordinated with flood control by reservoir operating diagram										Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.										
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Secondary					*Primary	Secondary	Total	
2,472,000	240,000	225,000	0	681,000	0	388	97,400	90,700	188,100	1916
2,492,000	237,000	252,000	0	1,077,000	0	384	98,400	107,900	206,300	Jan.
2,542,000	252,000	236,000	0	391,000	0	396	104,200	97,000	201,200	Feb.
2,878,000	249,000	211,000	7,000	0	149,000	410	109,000	92,400	201,400	Mar.
2,940,000	276,000	173,000	10,000	0	26,000	412	117,500	73,500	191,000	April
2,940,000	283,000	116,000	12,000	0	0	410	124,200	55,800	175,000	May
2,882,000	298,000	131,000	14,000	0	0	407	125,400	50,200	183,600	June
2,755,000	304,000	78,000	13,000	0	0	400	125,700	32,500	159,200	July
2,604,000	282,000	55,000	10,000	0	0	394	120,000	23,800	143,800	Aug.
2,469,000	278,000	49,000	7,000	0	0	388	113,400	19,900	133,300	Sept.
2,371,000	264,000	65,000	5,000	0	0	384	110,300	27,500	137,800	Oct.
2,278,000	273,000	111,000	0	0	0	380	109,400	44,500	153,900	Nov.
	3,236,000	1,704,000	78,000	2,149,000	175,000	396	113,000	59,500	172,500	Dec.
										Total or average
2,257,000	242,000	0	0	0	0	382	97,400	0	97,400	1917
2,327,000	225,000	26,000	0	178,000	0	387	101,900	11,600	113,500	Jan.
2,657,000	247,000	8,000	0	0	0	406	104,200	3,500	107,700	Feb.
2,861,000	249,000	196,000	7,000	0	375,000	408	109,000	85,600	194,600	Mar.
2,940,000	276,000	210,000	10,000	0	81,000	411	117,500	89,000	206,500	April
2,940,000	283,000	92,000	12,000	0	0	410	124,200	40,300	164,500	May
2,882,000	297,000	54,000	14,000	0	0	408	125,400	22,700	148,100	June
2,755,000	303,000	49,000	13,000	0	0	402	126,700	20,400	147,100	July
2,604,000	282,000	28,000	10,000	0	0	394	120,000	11,900	131,900	Aug.
2,469,000	278,000	13,000	7,000	0	0	388	113,400	5,400	118,800	Sept.
2,371,000	264,000	48,000	5,000	0	0	384	110,300	20,000	130,300	Oct.
2,278,000	273,000	46,000	0	0	0	380	109,400	18,400	127,800	Nov.
	3,220,000	770,000	78,000	178,000	459,000	397	113,400	27,400	140,800	Dec.
										Total or average
2,257,000	243,000	0	0	0	0	380	97,400	0	97,400	1918
2,263,000	229,000	0	0	0	0	383	101,900	0	101,900	Jan.
2,433,000	251,000	8,000	0	0	6,000	398	104,200	3,400	107,600	Feb.
2,940,000	247,000	208,000	7,000	0	94,000	411	109,000	91,100	200,100	Mar.
2,940,000	276,000	28,000	10,000	0	0	412	117,500	12,000	129,500	April
2,940,000	288,000	0	12,000	0	0	412	124,200	0	124,200	May
2,878,000	237,000	12,000	14,000	0	0	408	125,400	5,100	130,500	June
2,755,000	303,000	27,000	13,000	0	0	402	126,700	11,200	137,900	July
2,604,000	282,000	29,000	10,000	0	0	394	120,000	12,400	132,400	Aug.
2,469,000	278,000	71,000	7,000	0	0	388	113,400	28,900	142,300	Sept.
2,371,000	264,000	70,000	5,000	0	0	384	110,300	29,000	139,300	Oct.
2,278,000	270,000	9,000	0	0	0	380	109,400	3,600	113,000	Nov.
										Dec.
	3,222,000	462,000	78,000	0	100,000	396	113,400	16,300	129,700	Total or average
2,257,000	240,000	71,000	0	34,000	0	385	97,400	29,000	126,400	1919
2,499,000	226,000	222,000	0	671,000	0	387	101,900	99,600	201,500	Jan.
2,543,000	251,000	230,000	0	196,000	0	397	104,200	95,200	199,400	Feb.
2,825,000	249,000	224,000	7,000	18,000	139,000	409	109,000	97,600	206,600	Mar.
2,940,000	277,000	151,000	10,000	0	0	410	117,500	64,100	181,600	April
2,940,000	282,000	16,000	12,000	0	0	412	124,200	7,100	131,300	May
2,882,000	297,000	35,000	14,000	0	0	408	125,400	14,800	140,200	June
2,755,000	303,000	34,000	13,000	0	0	402	126,700	14,200	140,900	July
2,604,000	282,000	11,000	10,000	0	0	394	120,000	4,600	124,600	Aug.
2,469,000	278,000	16,000	7,000	0	0	388	113,400	6,500	119,900	Sept.
2,371,000	264,000	10,000	5,000	0	0	384	110,300	4,200	114,500	Oct.
2,278,000	274,000	0	0	0	0	378	103,400	0	103,400	Nov.
										Dec.
	3,223,000	1,020,000	78,000	919,000	139,000	396	113,400	36,000	149,400	Total or average

TABLE 1a (Continued). KENNETT
 WATER AND POWER YIELD, OPERATING PRIMARILY FOR
 BOTH
 WITH AND WITHOUT FLOOD CONTROL
 Monthly Summary of Computa
 (For corresponding yearly sum
 Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control							Average power yield in kilowatts (Load factor=0.75)		
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Waste over spillway in acre-feet	Average power head in feet		*Primary	Secondary	Total
			Primary	Secondary							
1920											
Jan.	207,000	2,184,000	245,000	0	0	0	375	97,400	0	97,400	
Feb.	176,000	2,146,000	233,000	0	0	0	372	98,400	0	98,400	
Mar.	372,000	2,089,000	263,000	0	0	0	374	104,200	0	104,200	
April	493,000	2,198,000	262,000	0	6,000	0	383	109,000	0	109,000	
May	286,000	2,423,000	288,000	0	9,000	0	388	117,500	0	117,500	
June	216,000	2,412,000	296,000	0	10,000	0	386	124,200	0	124,200	
July	192,000	2,324,000	312,000	0	12,000	0	380	125,400	0	125,400	
Aug.	176,000	2,190,000	321,000	0	11,000	0	372	126,700	0	126,700	
Sept.	140,000	2,034,000	301,000	0	8,000	0	363	120,000	0	120,000	
Oct.	180,000	1,865,000	301,000	0	6,000	0	354	113,400	0	113,400	
Nov.	896,000	1,738,000	286,000	25,000	4,000	0	359	110,300	10,400	120,700	
Dec.	1,121,000	2,319,000	265,000	244,000	0	0	397	109,400	100,600	210,000	
Total or average	4,455,000		3,373,000	269,000	66,000	0	376	113,000	9,400	122,400	
1921											
Jan.	1,492,000	2,931,000	232,000	279,000	0	981,000	404	97,400	112,600	210,000	
Feb.	1,035,000	2,940,000	219,000	232,000	0	584,000	406	101,900	108,100	210,000	
Mar.	982,000	2,940,000	246,000	252,000	0	484,000	408	104,200	105,800	210,000	
April	559,000	2,940,000	247,000	227,000	7,000	78,000	410	109,000	99,000	208,000	
May	493,000	2,940,000	276,000	195,000	10,000	12,000	411	117,500	83,200	200,700	
June	220,000	2,940,000	283,000	79,000	12,000	0	410	124,200	34,600	158,800	
July	192,000	2,882,000	297,000	36,000	14,000	0	408	125,400	15,200	140,600	
Aug.	176,000	2,755,000	303,000	27,000	13,000	0	402	126,700	11,200	137,900	
Sept.	175,000	2,604,000	282,000	18,000	10,000	0	394	120,000	7,800	127,800	
Oct.	196,000	2,469,000	277,000	0	7,000	0	389	113,400	0	113,400	
Nov.	205,000	2,381,000	264,000	39,000	5,000	0	384	110,300	16,300	126,600	
Dec.	390,000	2,278,000	273,000	72,000	0	0	381	109,400	28,900	138,300	
Total or average	6,255,000		3,190,000	1,447,000	78,000	2,139,000	400	113,400	51,600	165,000	
1922											
Jan.	300,000	2,323,000	240,000	0	0	0	387	97,400	0	97,400	
Feb.	679,000	2,383,000	224,000	0	0	0	394	101,900	0	101,900	
Mar.	567,000	2,838,000	244,000	142,000	0	79,000	411	104,200	60,100	164,300	
April	604,000	2,940,000	248,000	214,000	7,000	135,000	410	109,000	93,600	202,600	
May	577,000	2,940,000	276,000	209,000	10,000	82,000	411	117,500	88,300	205,800	
June	317,000	2,940,000	283,000	80,000	12,000	0	410	124,200	35,000	159,200	
July	203,000	2,882,000	297,000	19,000	14,000	0	408	125,400	7,900	133,300	
Aug.	182,000	2,755,000	303,000	17,000	13,000	0	402	126,700	7,100	133,800	
Sept.	161,000	2,604,000	282,000	4,000	10,000	0	394	120,000	1,700	121,700	
Oct.	208,000	2,469,000	278,000	21,000	7,000	0	388	113,400	8,600	122,000	
Nov.	244,000	2,371,000	264,000	68,000	5,000	0	384	110,300	28,300	138,600	
Dec.	462,000	2,278,000	273,000	139,000	0	0	380	109,400	55,100	164,500	
Total or average	4,504,000		3,212,000	913,000	78,000	296,000	398	113,400	32,300	145,700	
1923											
Jan.	467,000	2,328,000	240,000	130,000	0	0	385	97,400	52,400	149,800	
Feb.	297,000	2,425,000	225,000	0	0	0	390	101,900	0	101,900	
Mar.	287,000	2,497,000	253,000	0	0	0	393	104,200	0	104,200	
April	632,000	2,531,000	250,000	0	7,000	0	405	109,000	0	109,000	
May	322,000	2,906,000	275,000	3,000	10,000	0	412	117,500	1,300	118,800	
June	236,000	2,940,000	282,000	0	12,000	0	412	124,200	0	124,200	
July	184,000	2,882,000	297,000	0	14,000	0	408	125,400	0	125,400	
Aug.	165,000	2,755,000	303,000	0	13,000	0	402	126,700	0	126,700	
Sept.	157,000	2,604,000	282,000	0	10,000	0	394	120,000	0	120,000	
Oct.	187,000	2,469,000	278,000	0	7,000	0	388	113,400	0	113,400	
Nov.	176,000	2,371,000	264,000	0	5,000	0	384	110,300	0	110,300	
Dec.	184,000	2,278,000	274,000	0	0	0	379	109,400	0	109,400	
Total or average	3,294,000		3,223,000	133,000	78,000	0	398	113,400	4,600	118,000	

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

POWER GENERATION WITH INCIDENTAL IRRIGATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 1, page 108.)

Installed capacity of power plant 400,000 k.v.a. P. F. = 0.80

Coordinated with flood control by reservoir operating diagram										Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.										
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Secondary					*Primary	Secondary	Total	
2,184,000	245,000	0	0	0	0	375	97,400	0	97,400	1920
2,146,000	233,000	0	0	0	0	372	98,400	0	98,400	Jan.
2,089,000	263,000	0	0	0	0	374	104,200	0	104,200	Feb.
2,198,000	262,000	0	6,000	0	0	383	103,000	0	103,000	Mar.
2,423,000	288,000	0	9,000	0	0	388	117,500	0	117,500	Apr.
2,412,000	296,000	0	10,000	0	0	386	124,200	0	124,200	May
2,322,000	312,000	0	12,000	0	0	380	125,400	0	125,400	June
2,190,000	321,000	0	11,000	0	0	372	126,700	0	126,700	July
2,034,000	301,000	0	8,000	0	0	363	120,000	0	120,000	Aug.
1,865,000	301,000	0	6,000	0	0	354	113,400	0	120,000	Sept.
1,738,000	286,000	25,000	4,000	0	0	359	110,300	10,400	113,400	Oct.
2,319,000	266,000	245,000	0	202,000	0	395	109,400	100,600	120,700	Nov.
	3,374,000	270,000	66,000	202,000	0	375	113,000	9,400	122,400	Dec.
										Total or average
2,727,000	239,000	277,000	0	1,050,000	0	390	97,400	112,600	210,000	1921
2,653,000	226,000	240,000	0	660,000	0	390	101,900	108,100	210,000	Jan.
2,562,000	252,000	244,000	0	226,000	0	396	104,200	100,900	205,100	Feb.
2,822,000	246,000	164,000	7,000	0	24,000	411	109,000	71,900	180,900	Mar.
2,940,000	276,000	195,000	10,000	0	12,000	411	117,500	83,200	200,700	Apr.
2,940,000	283,000	79,000	12,000	0	0	410	124,200	34,600	158,800	May
2,882,000	297,000	36,000	14,000	0	0	408	125,400	15,200	140,600	June
2,755,000	303,000	27,000	13,000	0	0	402	126,700	11,200	137,900	July
2,604,000	282,000	18,000	10,000	0	0	394	120,000	7,800	127,800	Aug.
2,469,000	277,000	0	7,000	0	0	389	113,400	0	113,400	Sept.
2,381,000	264,000	39,000	5,000	0	0	384	110,300	16,300	126,600	Oct.
2,278,000	273,000	72,000	0	0	0	381	109,400	28,900	138,300	Nov.
	3,218,000	1,391,000	78,000	1,936,000	36,000	397	113,400	48,900	162,300	Dec.
										Total or average
2,323,000	240,000	0	0	0	0	387	97,400	0	97,400	1922
2,383,000	225,000	44,000	0	135,000	0	392	101,900	19,900	121,800	Jan.
2,657,000	246,000	17,000	0	0	21,000	407	104,200	7,300	111,500	Feb.
2,940,000	248,000	214,000	7,000	0	135,000	410	109,000	93,600	202,600	Mar.
2,940,000	276,000	209,000	10,000	0	82,000	411	117,500	88,300	205,800	Apr.
2,940,000	283,000	80,000	12,000	0	0	410	124,200	35,000	159,200	May
2,882,000	297,000	19,000	14,000	0	0	408	125,400	7,900	133,300	June
2,755,000	303,000	17,000	13,000	0	0	402	126,700	7,100	133,800	July
2,604,000	282,000	4,000	10,000	0	0	394	120,000	1,700	121,700	Aug.
2,469,000	278,000	21,000	7,000	0	0	388	113,400	8,600	122,000	Sept.
2,371,000	264,000	68,000	5,000	0	0	384	110,300	28,300	138,600	Oct.
2,278,000	273,000	139,000	0	0	0	380	109,400	55,100	164,500	Nov.
	3,215,000	832,000	78,000	136,000	238,000	398	113,400	29,400	142,800	Dec.
										Total or average
2,328,000	240,000	130,000	0	0	0	385	97,400	52,400	149,800	1923
2,425,000	225,000	0	0	0	0	390	101,900	0	101,900	Jan.
2,497,000	253,000	0	0	0	0	393	104,200	0	104,200	Feb.
2,531,000	250,000	0	7,000	0	0	405	109,000	0	109,000	Mar.
2,906,000	275,000	3,000	10,000	0	0	412	117,500	1,300	118,800	Apr.
2,940,000	282,000	0	12,000	0	0	412	124,200	0	124,200	May
2,882,000	297,000	0	14,000	0	0	408	125,400	0	125,400	June
2,755,000	308,000	0	13,000	0	0	402	126,700	0	126,700	July
2,604,000	289,000	0	10,000	0	0	394	120,000	0	120,000	Aug.
2,469,000	278,000	0	7,000	0	0	388	113,400	0	113,400	Sept.
2,371,000	264,000	0	5,000	0	0	384	110,300	0	110,300	Oct.
2,278,000	274,000	0	0	0	0	379	109,400	0	109,400	Nov.
	3,223,000	133,000	78,000	0	0	398	113,400	4,600	118,000	Dec.
										Total or average

TABLE 1a (Concluded). KENNETT
 WATER AND POWER YIELD, OPERATING PRIMARILY FOR
 BOTH
 WITH AND WITHOUT FLOOD CONTROL
 Monthly Summary of Computa
 (For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control								
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)		
			Primary	Secondary				*Primary	Secondary	Total
1924										
Jan.	203,000	2,188,000	245,000	0	0	0	376	97,400	0	97,400
Feb.	332,000	2,146,000	231,000	0	0	0	378	98,400	0	98,400
Mar.	200,000	2,247,000	260,000	0	0	0	379	104,200	0	104,200
April	176,000	2,187,000	266,000	0	6,000	0	374	109,000	0	109,000
May	155,000	2,091,000	301,000	0	8,000	0	367	117,500	0	117,500
June	141,000	1,937,000	315,000	0	9,000	0	358	124,200	0	124,200
July	140,000	1,754,000	341,000	0	10,000	0	345	125,400	0	125,400
Aug.	140,000	1,543,000	360,000	0	8,000	0	330	126,700	0	126,700
Sept.	128,000	1,315,000	349,000	0	6,000	0	312	120,000	0	120,000
Oct.	178,000	1,088,000	363,000	0	4,000	0	293	113,400	0	113,400
Nov.	317,000	899,000	356,000	0	2,000	0	282	110,300	0	110,300
Dec.	321,000	858,000	372,000	0	0	0	277	109,400	0	109,400
Total or average	2,431,000		3,759,000	0	53,000	0	339	113,000	0	113,000
1925										
Jan.	301,000	807,000	336,000	0	0	0	273	97,400	0	97,400
Feb.	1,769,000	772,000	264,000	0	0	0	326	101,900	0	101,900
Mar.	563,000	2,277,000	255,000	0	0	0	389	104,200	0	104,200
April	926,000	2,585,000	250,000	124,000	7,000	190,000	403	109,000	53,800	162,800
May	474,000	2,940,000	276,000	167,000	10,000	21,000	412	117,500	70,800	188,300
June	276,000	2,940,000	282,000	40,000	12,000	0	411	124,200	17,500	141,700
July	173,000	2,882,000	297,000	0	14,000	0	408	125,400	0	125,400
Aug.	167,000	2,744,000	304,000	0	13,000	0	400	126,700	0	126,700
Sept.	163,000	2,594,000	282,000	0	10,000	0	394	120,000	0	120,000
Oct.	181,000	2,465,000	278,000	0	7,000	0	388	113,400	0	113,400
Nov.	192,000	2,361,000	294,000	6,000	5,000	0	384	110,300	2,500	112,800
Dec.	235,000	2,278,000	273,000	0	0	0	380	109,400	0	109,400
Total or average	5,420,000		3,361,000	337,000	78,000	211,000	381	113,400	12,100	125,500
Total for 30-year period, 1896-1926	188,012,000		97,101,000	37,953,000	2,300,000	50,674,000				
Average for 30-year period, 1896-1926	6,267,000		3,236,000	1,265,000	77,000	1,689,000	395.8	113,400	44,800	158,200

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

POWER GENERATION WITH INCIDENTAL IRRIGATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 1, page 108.)

Installed capacity of power plant 400,000 k.v.a. P. F. = 0.80

Coordinated with flood control by reservoir operating diagram										Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.										
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Secondary					*Primary	Secondary	Total	
2,188,000	245,000	0	0	0	0	376	97,400	0	97,400	1924
2,146,000	231,000	0	0	0	0	378	98,400	0	98,400	Jan.
2,247,000	260,000	0	0	0	0	379	104,200	0	104,200	Feb.
2,187,000	266,000	0	6,000	0	0	374	109,000	0	109,000	Mar.
2,091,000	301,000	0	8,000	0	0	367	117,500	0	117,500	April
1,937,000	315,000	0	9,000	0	0	358	124,200	0	124,200	May
1,754,000	341,000	0	10,000	0	0	345	125,400	0	125,400	June
1,543,000	360,000	0	8,000	0	0	330	126,700	0	126,700	July
1,315,000	349,000	0	6,000	0	0	312	120,000	0	120,000	Aug.
1,088,000	363,000	0	4,000	0	0	293	113,400	0	113,400	Sept.
899,000	356,000	0	2,000	0	0	282	110,300	0	110,300	Oct.
858,000	372,000	0	0	0	0	277	109,400	0	109,400	Nov.
	3,759,000	0	53,000	0	0	339	113,000	0	113,000	Dec.
										Total or average
807,000	336,000	0	0	0	0	273	97,400	0	97,400	1925
772,000	264,000	0	0	0	0	326	101,900	0	101,900	Jan.
2,277,000	255,000	0	0	0	0	389	104,200	0	104,200	Feb.
2,585,000	250,000	124,000	7,000	0	190,000	403	109,000	53,800	162,800	Mar.
2,940,000	276,000	167,000	10,000	0	21,000	412	117,500	70,800	188,300	April
2,940,000	282,000	40,000	12,000	0	0	411	124,200	17,500	141,700	May
2,882,000	297,000	0	14,000	0	0	408	125,400	0	125,400	June
2,744,000	304,000	0	13,000	0	0	400	126,700	0	126,700	July
2,594,000	282,000	0	10,000	0	0	394	120,000	0	120,000	Aug.
2,465,000	278,000	0	7,000	0	0	388	113,400	0	113,400	Sept.
2,361,000	264,000	6,000	5,000	0	0	384	110,300	2,500	112,800	Oct.
2,278,000	273,000	0	0	0	0	380	109,400	0	109,400	Nov.
	3,361,000	337,000	78,000	0	211,000	381	113,400	12,100	125,500	Dec.
										Total or average
97,481,000	37,094,000		2,300,000	40,414,000	10,739,000					Total for 30-year period, 1896-1926
										Average for 30-year period, 1896-1926
3,249,000	1,236,000		77,000	1,347,000	358,000	393.8	113,400	43,400	156,800	

TABLE 2a. KENNETT RESER
WATER AND POWER YIELD, OPERATING PRIMARILY FOR
BOTH
WITH AND WITHOUT FLOOD CONTROL
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet.

Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1896									
Jan.	1,980,000	1,860,000	0	0	216,000	684,000	0	400	89,900
Feb.	474,000	2,940,000	0	0	439,000	35,000	0	411	199,400
Mar.	758,000	2,940,000	43,000	0	552,000	206,000	0	410	225,300
April	891,000	2,940,000	214,000	7,000	631,000	253,000	0	408	275,800
May	1,194,000	2,940,000	684,000	10,000	663,000	500,000	0	406	280,000
June	536,000	2,940,000	855,000	12,000	642,000	0	0	339	280,000
July	313,000	2,609,000	941,000	13,000	704,000	0	0	376	280,000
Aug.	268,000	1,968,000	855,000	10,000	769,000	0	0	340	280,000
Sept.	258,000	1,371,000	513,000	6,000	513,000	0	0	312	176,190
Oct.	262,000	1,110,000	171,000	4,000	171,000	0	0	309	56,200
Nov.	472,000	1,197,000	0	3,000	0	0	0	...	0
Dec.	920,000	1,666,000	0	0	0	0	0	...	0
Total or average	8,306,000		4,276,000	65,000	5,286,000	1,678,000	0	375	178,400
1897									
Jan.	577,000	2,586,000	0	0	141,000	82,000	0	411	59,800
Feb.	1,338,000	2,940,000	0	0	599,000	733,000	0	406	280,000
Mar.	737,000	2,940,000	43,000	0	601,000	136,000	0	409	254,600
April	858,000	2,940,000	214,000	7,000	639,000	212,000	0	408	280,000
May	554,000	2,940,000	684,000	10,000	660,000	3,000	0	408	280,000
June	310,000	2,797,000	855,000	11,000	663,000	0	0	389	280,000
July	275,000	2,241,000	911,000	12,000	741,000	0	0	354	280,000
Aug.	254,000	1,563,000	855,000	9,000	803,000	0	0	399	264,400
Sept.	247,000	953,000	513,000	5,000	513,000	0	0	272	152,400
Oct.	262,000	682,000	171,000	3,000	171,000	0	0	266	48,090
Nov.	274,000	770,000	0	2,000	0	0	0	...	0
Dec.	366,000	1,012,000	0	0	0	0	0	...	0
Total or average	6,052,000		4,276,000	59,000	5,531,000	1,172,000	0	359	180,800
1898									
Jan.	257,000	1,408,000	0	0	0	0	0	...	0
Feb.	478,000	1,665,000	0	0	0	0	0	...	0
Mar.	380,000	2,143,000	43,000	0	43,000	0	0	385	17,300
April	274,000	2,480,000	214,000	7,000	214,000	0	0	395	91,000
May	300,000	2,533,000	684,000	9,000	684,000	0	0	383	275,090
June	304,000	2,140,000	855,000	10,000	717,000	0	0	353	280,000
July	237,000	1,579,000	941,000	9,000	809,000	0	0	306	260,200
Aug.	225,000	866,000	855,000	6,000	691,000	0	0	229	162,000
Sept.	198,000	230,000	426,000	2,000	0	0	87,000	...	0
Oct.	221,000	0	171,000	0	0	0	0	...	0
Nov.	217,000	50,000	0	0	0	0	0	...	0
Dec.	217,000	267,000	0	0	0	0	0	...	0
Total or average	3,308,000		4,189,000	43,000	3,149,000	0	87,000	242	91,200
1899									
Jan.	605,000	481,000	0	0	0	0	0	...	0
Feb.	253,000	1,089,000	0	0	0	0	0	...	0
Mar.	900,000	1,342,000	43,000	0	42,000	0	0	317	15,900
April	456,000	2,199,000	214,000	6,000	214,000	0	0	384	89,300
May	330,000	2,135,000	684,000	9,000	684,000	0	0	379	272,400
June	302,000	2,072,000	855,000	9,000	726,000	0	0	348	280,000
July	240,000	1,510,000	941,000	9,000	790,000	0	0	330	252,000
Aug.	224,000	800,000	855,000	5,000	673,000	0	0	217	146,100
Sept.	197,000	164,000	360,000	1,000	0	0	153,000	...	0
Oct.	252,000	0	171,000	0	0	0	0	...	0
Nov.	645,000	81,000	0	0	0	0	0	...	0
Dec.	646,000	726,000	0	0	0	0	0	...	0
Total or average	5,050,000		4,123,000	39,000	3,130,000	0	153,000	329	88,700

VOIR ON SACRAMENTO RIVER.

IRRIGATION WITH INCIDENTAL POWER GENERATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 2, page 110.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.
 Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 451,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor= 1.00)	Year and month
1896									
1,860,000	0	0	246,000	1,085,000	0	0	382	99,100	Jan.
2,509,000	0	0	235,000	29,000	0	0	398	104,000	Feb.
2,719,000	43,000	0	321,000	34,000	162,000	0	407	134,900	Mar.
2,940,000	214,000	7,000	631,000	0	253,000	0	408	275,800	April
2,940,000	684,000	10,000	663,000	0	500,000	0	406	280,000	May
2,940,000	855,000	12,000	648,000	0	0	0	399	280,000	June
2,609,000	941,000	13,000	704,000	0	0	0	376	280,000	July
1,968,000	855,000	10,000	769,000	0	0	0	340	280,000	Aug.
1,371,000	513,000	6,000	513,000	0	0	0	312	176,100	Sept.
1,110,000	171,000	4,000	171,000	0	0	0	309	56,200	Oct.
1,197,000	0	3,000	0	0	0	0	...	0	Nov.
1,666,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	65,000	4,901,000	1,148,000	915,000	0	373	144,000	Total or average
1897									
2,586,000	0	0	477,000	178,000	0	0	332	195,700	Jan.
2,508,000	0	0	618,000	668,000	0	0	385	276,000	Feb.
2,530,000	43,000	0	416,000	40,000	0	0	348	171,600	Mar.
2,811,000	214,000	7,000	554,000	0	168,000	0	408	242,100	April
2,940,000	684,000	10,000	660,000	0	3,000	0	408	280,000	May
2,797,000	855,000	11,000	663,000	0	0	0	389	280,000	June
2,241,000	941,000	12,000	741,000	0	0	0	354	280,000	July
1,563,000	855,000	9,000	803,000	0	0	0	309	264,400	Aug.
953,000	513,000	5,000	513,000	0	0	0	272	152,400	Sept.
682,000	171,000	3,000	171,000	0	0	0	266	48,000	Oct.
770,000	0	2,000	0	0	0	0	...	0	Nov.
1,042,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	50,000	5,616,000	916,000	171,000	0	358	181,900	Total or average
1898									
1,408,000	0	0	0	0	0	0	...	0	Jan.
1,665,000	0	0	0	0	0	0	...	0	Feb.
2,143,000	43,000	0	43,000	0	0	0	385	17,200	Mar.
2,480,000	214,000	7,000	214,000	0	0	0	395	91,000	April
2,532,000	684,000	9,000	684,000	0	0	0	383	275,000	May
2,140,000	855,000	10,000	717,000	0	0	0	353	280,000	June
1,579,000	941,000	9,000	800,000	0	0	0	306	260,200	July
866,000	855,000	6,000	694,000	0	0	0	229	162,000	Aug.
230,000	426,000	2,000	0	0	0	87,000	...	0	Sept.
0	171,000	0	0	0	0	0	...	0	Oct.
50,000	0	0	0	0	0	0	...	0	Nov.
267,000	0	0	0	0	0	0	...	0	Dec.
	4,180,000	43,000	3,140,000	0	0	87,000	342	91,200	Total or average
1899									
484,000	0	0	0	0	0	0	...	0	Jan.
1,080,000	0	0	0	0	0	0	...	0	Feb.
1,342,000	43,000	0	43,000	0	0	0	347	15,000	Mar.
2,199,000	214,000	6,800	214,000	0	0	0	384	89,300	April
2,435,000	684,000	9,000	684,000	0	0	0	379	272,400	May
2,072,000	855,000	2,000	726,000	0	0	0	348	280,000	June
1,510,000	941,000	9,000	790,000	0	0	0	300	252,000	July
800,000	855,000	5,000	673,000	0	0	0	217	146,100	Aug.
164,000	360,000	1,000	0	0	0	153,000	...	0	Sept.
0	171,000	0	0	0	0	0	...	0	Oct.
81,000	0	0	0	0	0	0	...	0	Nov.
726,000	0	0	0	0	0	0	...	0	Dec.
	4,123,000	39,000	3,130,000	0	0	153,000	329	88,700	Total or average

TABLE 2a (Continued). KENNETT
 WATER AND POWER YIELD, OPERATING PRIMARILY FOR
 BOTH
 WITH AND WITHOUT FLOOD CONTROL
 Monthly Summary of Computa
 (For corresponding yearly sum

Height of dam 420 feet.

Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor = 1.00)
1900									
Jan.	1,289,000	1,372,000	0	0	0	0	0	...	0
Feb.	331,000	2,671,000	0	0	122,000	0	0	411	57,300
Mar.	912,000	2,940,000	43,000	0	585,000	327,000	0	409	247,400
April	457,000	2,940,000	214,000	7,000	450,000	0	0	412	197,800
May	413,000	2,940,000	684,000	10,000	666,000	0	0	404	280,000
June	247,000	2,659,000	855,000	11,000	675,000	0	0	380	280,000
July	219,000	2,040,000	941,000	11,000	769,000	0	0	339	280,000
Aug.	208,000	1,307,000	855,000	8,000	772,000	0	0	284	232,500
Sept.	201,000	652,000	513,000	4,000	513,000	0	0	230	124,400
Oct.	398,000	336,000	171,000	2,000	171,000	0	0	222	38,200
Nov.	368,000	471,000	0	2,000	0	0	0	...	0
Dec.	697,000	837,000	0	0	0	0	0	...	0
Total or average	5,720,000		4,276,000	55,000	4,723,000	327,000	0	337	145,500
1901									
Jan.	895,000	1,534,000	0	0	0	0	0	...	0
Feb.	1,304,000	2,429,000	0	0	195,000	598,000	0	400	89,700
Mar.	749,000	2,940,000	43,000	0	588,000	161,000	0	409	248,800
April	382,000	2,940,000	214,000	7,000	375,000	0	0	412	165,000
May	411,000	2,940,000	684,000	10,000	663,000	0	0	404	280,000
June	240,000	2,657,000	855,000	11,000	673,000	0	0	380	280,000
July	218,000	2,031,000	941,000	11,000	772,000	0	0	339	280,000
Aug.	206,000	1,297,000	855,000	8,000	769,000	0	0	283	230,900
Sept.	200,000	640,000	513,000	4,000	513,000	0	0	228	123,100
Oct.	215,000	323,000	171,000	2,000	171,000	0	0	211	35,900
Nov.	354,000	365,000	0	1,000	0	0	0	...	0
Dec.	550,000	718,000	0	0	0	0	0	...	0
Total or average	5,724,000		4,276,000	54,000	4,721,000	759,000	0	336	144,900
1902									
Jan.	227,000	1,268,000	0	0	0	0	0	...	0
Feb.	2,782,000	1,495,000	0	0	240,000	1,037,000	0	338	110,100
Mar.	1,115,000	2,940,000	43,000	0	648,000	467,000	0	407	273,700
April	891,000	2,940,000	214,000	7,000	634,000	250,000	0	408	277,200
May	765,000	2,940,000	684,000	10,000	660,000	105,000	0	409	280,000
June	407,000	2,906,000	855,000	12,000	654,000	0	0	337	280,000
July	254,000	2,446,000	941,000	13,000	713,000	0	0	366	280,000
Aug.	231,000	1,746,000	855,000	9,000	812,000	0	0	323	280,000
Sept.	181,000	1,116,000	513,000	5,000	513,000	0	0	285	160,600
Oct.	235,000	782,000	171,000	3,000	171,000	0	0	276	50,000
Nov.	829,000	843,000	0	2,000	0	0	0	...	0
Dec.	762,000	1,670,000	0	0	0	0	0	...	0
Total or average	8,685,000		4,276,000	61,000	5,051,000	1,919,000	0	361	166,300
1903									
Jan.	1,113,000	2,432,000	0	0	151,000	454,000	0	401	63,000
Feb.	633,000	2,940,000	0	0	563,000	68,000	0	410	265,500
Mar.	1,339,000	2,940,000	43,000	0	660,000	679,000	0	408	280,000
April	765,000	2,940,000	214,000	7,000	609,000	149,000	0	409	266,400
May	458,000	2,940,000	684,000	10,000	663,000	0	0	405	280,000
June	278,000	2,704,000	855,000	11,000	672,000	0	0	384	280,000
July	231,000	2,116,000	941,000	11,000	760,000	0	0	345	280,000
Aug.	204,000	1,395,000	855,000	8,000	781,000	0	0	232	242,700
Sept.	174,000	736,000	513,000	4,000	513,000	0	0	241	131,700
Oct.	199,000	393,000	171,000	2,000	171,000	0	0	222	38,300
Nov.	924,000	419,000	0	1,000	0	0	0	...	0
Dec.	530,000	1,342,000	0	0	0	0	0	...	0
Total or average	6,848,000		4,276,000	54,000	5,345,000	1,350,000	0	347	176,700

RESERVOIR ON SACRAMENTO RIVER.

IRRIGATION WITH INCIDENTAL POWER GENERATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on Daily Basis.

mary, see Table 2, page 110.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.
 Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram

Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.

Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1900									
1,372,000	0	0	181,000	0	0	0	390	73,800	Jan.
2,490,000	0	0	276,000	26,000	0	0	394	125,100	Feb.
2,579,000	43,000	0	334,000	279,000	0	0	400	137,400	Mar.
2,878,000	214,000	7,000	388,000	0	0	0	412	170,600	April
2,940,000	684,000	10,000	666,000	0	0	0	404	280,000	May
2,659,000	855,000	11,000	675,000	0	0	0	380	280,000	June
2,040,000	941,000	11,000	769,000	0	0	0	334	280,000	July
1,307,000	855,000	8,000	772,000	0	0	0	284	232,500	Aug.
652,000	513,000	4,000	513,000	0	0	0	230	124,400	Sep.
336,000	171,000	2,000	171,000	0	0	0	222	38,200	Oct.
471,000	0	2,000	0	0	0	0	...	0	Nov.
837,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	55,000	4,745,000	305,000	0	0	342	145,300	Total or average
1901									
1,534,000	0	0	0	0	0	0	...	0	Jan.
2,429,000	0	0	481,000	711,000	0	0	386	214,700	Feb.
2,541,000	43,000	0	387,000	99,000	0	0	398	159,100	Mar.
2,804,000	214,000	7,000	239,000	0	0	0	411	105,000	April
2,940,000	684,000	10,000	663,000	0	0	0	404	280,000	May
2,657,000	855,000	11,000	675,000	0	0	0	380	280,000	June
2,031,000	941,000	11,000	772,000	0	0	0	334	280,000	July
1,297,000	855,000	8,000	769,000	0	0	0	283	230,900	Aug.
640,000	513,000	4,000	513,000	0	0	0	228	123,100	Sep.
323,000	171,000	2,000	171,000	0	0	0	211	35,900	Oct.
365,000	0	1,000	0	0	0	0	...	0	Nov.
718,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	54,000	4,670,000	810,000	0	0	337	142,000	Total or average
1902									
1,268,000	0	0	0	0	0	0	...	0	Jan.
1,495,000	0	0	339,000	1,372,000	0	0	379	149,600	Feb.
2,566,000	43,000	0	523,000	310,000	0	0	397	218,000	Mar.
2,842,000	214,000	7,000	552,000	0	234,000	0	403	241,500	April
2,940,000	684,000	10,000	660,000	0	105,000	0	404	280,000	May
2,906,000	855,000	12,000	654,000	0	0	0	337	280,000	June
2,446,000	941,000	13,000	719,000	0	0	0	366	280,000	July
1,746,000	855,000	9,000	812,000	0	0	0	323	280,000	Aug.
1,116,000	513,000	5,000	513,000	0	0	0	285	160,600	Sep.
782,000	171,000	3,000	171,000	0	0	0	276	50,000	Oct.
843,000	0	2,000	0	0	0	0	...	0	Nov.
1,670,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	61,000	4,949,000	1,682,000	330,000	0	359	161,600	Total or average
1903									
2,432,000	0	0	442,000	614,000	0	0	387	178,890	Jan.
2,489,000	0	0	527,000	47,000	0	0	389	237,600	Feb.
2,548,000	43,000	0	612,000	463,000	0	0	335	252,000	Mar.
2,812,000	214,000	7,000	581,000	25,000	24,000	0	409	253,900	April
2,940,000	684,000	10,000	663,000	0	0	0	405	280,000	May
2,704,000	855,000	11,000	672,000	0	0	0	381	280,000	June
2,116,000	941,000	11,000	760,000	0	0	0	345	280,000	July
1,335,000	855,000	8,000	781,000	0	0	0	292	242,700	Aug.
736,000	513,000	4,000	513,000	0	0	0	241	131,700	Sep.
333,000	171,000	2,000	171,000	0	0	0	222	38,300	Oct.
419,000	0	1,000	0	0	0	0	...	0	Nov.
1,342,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	54,000	5,722,000	1,149,000	24,000	0	345	181,000	Total or average

TABLE 2a (Continued). KENNETT
 WATER AND POWER YIELD, OPERATING PRIMARILY FOR
 BOTH
 WITH AND WITHOUT FLOOD CONTROL
 Monthly Summary of Computa
 (For corresponding yearly sum

Height of dam 420 feet.

Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1904									
Jan.	473,000	1,872,000	0	0	0	0	...	0	
Feb.	1,742,000	2,345,000	0	0	281,000	866,000	0	400	125,100
Mar.	2,877,000	2,940,000	43,000	0	670,000	2,207,000	0	400	280,000
April	1,467,000	2,940,000	214,000	7,000	645,000	815,000	0	402	280,000
May	914,000	2,940,000	684,000	10,000	660,000	220,000	0	407	280,000
June	505,000	2,940,000	855,000	12,000	648,000	0	0	400	280,000
July	377,000	2,578,000	941,000	13,000	704,000	0	0	376	280,000
Aug.	282,000	2,001,000	855,000	10,000	763,000	0	0	342	280,000
Sept.	271,000	1,418,000	513,000	6,600	513,000	0	0	316	178,300
Oct.	491,000	1,170,000	171,000	4,000	171,000	0	0	322	58,600
Nov.	379,000	1,486,000	0	3,000	0	0	0	...	0
Dec.	600,000	1,862,000	0	0	0	0	0	...	0
Total or average	10,378,000		4,276,000	65,000	5,055,000	4,108,000	0	372	170,200
1905									
Jan.	1,371,000	2,462,000	0	0	315,000	578,000	0	404	132,100
Feb.	1,027,000	2,940,000	0	0	596,000	431,000	0	407	278,300
Mar.	1,335,000	2,940,000	43,000	0	619,000	686,000	0	406	273,500
April	753,000	2,940,000	214,000	7,000	619,000	127,000	0	403	270,800
May	580,000	2,940,000	684,000	10,000	660,000	0	0	408	280,000
June	365,000	2,806,000	855,000	11,000	660,000	0	0	331	280,000
July	269,000	2,305,000	941,000	12,000	735,000	0	0	358	280,000
Aug.	236,000	1,621,000	855,000	9,000	809,000	0	0	313	270,200
Sept.	208,000	993,000	513,000	5,000	513,000	0	0	274	153,800
Oct.	221,000	683,000	171,000	3,000	171,000	0	0	284	47,600
Nov.	229,000	730,000	0	2,000	0	0	0	...	0
Dec.	249,000	957,000	0	0	0	0	0	...	0
Total or average	6,823,000		4,276,000	59,000	5,727,000	1,822,000	0	361	188,300
1906									
Jan.	851,000	1,206,000	0	0	0	0	0	...	0
Feb.	872,000	2,057,000	0	0	0	0	0	...	0
Mar.	1,646,000	2,929,000	43,000	0	657,000	978,000	0	403	280,000
April	995,000	2,940,000	214,000	7,000	642,000	346,000	0	406	280,000
May	817,000	2,940,000	684,000	10,000	660,000	123,000	0	407	280,000
June	756,000	2,940,000	855,000	12,000	641,000	44,000	0	406	280,000
July	362,000	2,785,000	941,000	14,000	688,000	0	0	387	280,000
Aug.	280,000	2,192,000	855,000	11,000	741,000	0	0	354	280,000
Sept.	217,000	1,606,000	513,000	7,000	513,000	0	0	329	186,000
Oct.	251,000	1,333,000	171,000	5,000	171,000	0	0	326	59,300
Nov.	256,000	1,408,000	0	3,000	0	0	0	...	0
Dec.	648,000	1,661,000	0	0	0	0	0	...	0
Total or average	7,981,000		4,276,000	69,000	4,713,000	1,491,000	0	378	161,500
1907									
Jan.	936,000	2,309,000	0	0	140,000	165,000	0	407	59,100
Feb.	1,636,000	2,940,000	0	0	602,000	1,034,000	0	403	280,000
Mar.	2,115,000	2,940,000	43,000	0	666,000	1,449,000	0	403	280,000
April	1,250,000	2,940,000	214,000	7,000	642,000	601,000	0	404	280,000
May	646,000	2,940,000	684,000	10,000	658,000	8,000	0	409	280,000
June	421,000	2,884,000	855,000	12,000	651,000	0	0	336	280,000
July	334,000	2,438,000	941,000	13,000	716,000	0	0	363	280,000
Aug.	291,000	1,818,000	855,000	10,000	790,000	0	0	331	280,000
Sept.	252,000	1,244,000	513,000	6,000	513,000	0	0	301	169,700
Oct.	261,000	977,000	171,000	4,000	171,000	0	0	296	53,900
Nov.	256,000	1,063,000	0	3,000	0	0	0	...	0
Dec.	479,000	1,316,000	0	0	0	0	0	...	0
Total or average	8,877,000		4,276,000	65,000	5,552,000	3,237,000	0	369	186,200

RESERVOIR ON SACRAMENTO RIVER.

IRRIGATION WITH INCIDENTAL POWER GENERATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 2, page 110.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.
 Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1904									
1,872,000	0	0	0	0	0	0	...	0	Jan.
2,345,000	0	0	363,000	1,194,000	0	0	381	155,300	Feb.
2,530,000	43,000	0	688,000	1,861,000	0	0	387	280,000	Mar.
2,858,000	214,000	7,000	642,000	115,000	621,000	0	405	280,000	April
2,940,000	684,000	10,000	660,000	0	220,000	0	407	280,000	May
2,940,000	855,000	12,000	648,000	0	0	0	400	280,000	June
2,578,000	941,000	13,000	704,000	0	0	0	376	280,000	July
2,001,000	855,000	10,000	763,000	0	0	0	342	280,000	Aug.
1,418,000	513,000	6,000	513,000	0	0	0	316	178,300	Sept.
1,170,000	171,000	4,000	171,000	0	0	0	322	58,600	Oct.
1,486,000	0	3,000	0	0	0	0	...	0	Nov.
1,862,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	65,000	5,152,000	3,170,000	841,000	0	370	172,600	Total or average
1905									
2,462,000	0	0	545,000	656,000	0	0	390	222,700	Jan.
2,632,000	0	0	591,000	469,000	0	0	393	268,600	Feb.
2,599,000	43,000	0	606,000	407,000	0	0	398	250,900	Mar.
2,921,000	214,000	7,000	618,000	18,000	91,000	0	409	270,800	April
2,940,000	684,000	10,000	660,000	0	0	0	408	280,000	May
2,806,000	855,000	11,000	660,000	0	0	0	391	280,000	June
2,305,000	941,000	12,000	735,000	0	0	0	358	280,000	July
1,621,000	855,000	9,000	809,000	0	0	0	315	270,200	Aug.
993,000	513,000	5,000	513,000	0	0	0	274	153,800	Sept.
683,000	171,000	3,000	171,000	0	0	0	264	47,600	Oct.
720,000	0	2,000	0	0	0	0	...	0	Nov.
957,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	59,000	5,908,000	1,550,000	91,000	0	359	193,300	Total or average
1906									
1,206,000	0	0	0	0	0	0	...	0	Jan.
2,057,000	0	0	117,000	206,000	0	0	392	53,300	Feb.
2,606,000	43,000	0	627,000	790,000	0	0	394	257,900	Mar.
2,835,000	214,000	7,000	640,000	104,000	139,000	0	407	280,000	April
2,940,000	684,000	10,000	660,000	0	123,000	0	407	280,000	May
2,940,000	855,000	12,000	641,000	0	44,000	0	406	280,000	June
2,785,000	941,000	14,000	688,000	0	0	0	387	280,000	July
2,192,000	855,000	11,000	741,000	0	0	0	354	280,000	Aug.
1,606,000	513,000	7,000	513,000	0	0	0	325	186,000	Sept.
1,333,000	171,000	5,000	171,000	0	0	0	326	59,300	Oct.
1,408,000	0	3,000	0	0	0	0	...	0	Nov.
1,661,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	69,000	4,798,000	1,100,000	306,000	0	377	163,700	Total or average
1907									
2,509,000	0	0	539,000	218,000	0	0	389	219,600	Jan.
2,488,000	0	0	626,000	968,000	0	0	384	280,000	Feb.
2,530,000	43,000	0	680,000	1,147,000	0	0	392	278,600	Mar.
2,818,000	214,000	7,000	642,000	135,000	344,000	0	404	280,000	April
2,940,000	684,000	10,000	658,000	0	8,000	0	409	280,000	May
2,884,000	855,000	12,000	654,000	0	0	0	336	280,000	June
2,438,000	941,000	13,000	716,000	0	0	0	368	280,000	July
1,818,000	855,000	10,000	790,000	0	0	0	331	280,000	Aug.
1,244,000	513,000	6,000	513,000	0	0	0	301	169,700	Sept.
977,000	171,000	4,000	171,000	0	0	0	296	53,900	Oct.
1,063,000	0	3,000	0	0	0	0	...	0	Nov.
1,316,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	65,000	5,989,000	2,468,000	352,000	0	366	199,700	Total or average

TABLE 2a (Continued). KENNETT
 WATER AND POWER YIELD, OPERATING PRIMARILY FOR
 BOTH
 WITH AND WITHOUT FLOOD CONTROL
 Monthly Summary of Computa
 (For corresponding yearly sum)

Height of dam 420 feet.

Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1908									
Jan.	904,000	1,795,000	0	0	0	0	0	...	0
Feb.	970,000	2,699,000	0	0	472,000	257,000	0	409	213,100
Mar.	669,000	2,940,000	43,000	0	624,000	45,000	0	410	264,300
April	527,000	2,940,000	214,000	7,000	520,000	0	0	411	227,900
May	492,000	2,940,000	684,000	10,000	663,000	0	0	406	280,000
June	340,000	2,738,000	855,000	11,000	666,000	0	0	387	280,000
July	260,000	2,212,000	941,000	12,000	744,000	0	0	352	280,000
Aug.	229,000	1,519,000	855,000	8,000	797,000	0	0	305	258,500
Sept.	205,000	885,000	513,000	5,000	513,000	0	0	262	146,000
Oct.	235,000	572,000	171,000	3,000	171,000	0	0	251	44,800
Nov.	257,000	633,000	0	2,000	0	0	0	...	0
Dec.	267,000	888,000	0	0	0	0	0	...	0
Total or average	5,355,000		4,276,000	58,000	5,170,000	302,000	0	353	166,000
1909									
Jan.	3,260,000	1,155,000	0	0	282,000	1,193,000	0	397	117,100
Feb.	2,526,000	2,940,000	0	0	605,000	1,921,000	0	400	280,000
Mar.	977,000	2,940,000	43,000	0	666,000	311,000	0	404	280,000
April	756,000	2,940,000	214,000	7,000	636,000	113,000	0	409	280,000
May	581,000	2,940,000	684,000	10,000	659,000	5,000	0	408	280,000
June	410,000	2,822,000	855,000	11,000	657,000	0	0	393	280,000
July	308,000	2,366,000	941,000	12,000	725,000	0	0	363	280,000
Aug.	264,000	1,721,000	855,000	9,000	809,000	0	0	323	280,000
Sept.	246,000	1,121,000	513,000	5,000	513,000	0	0	289	163,100
Oct.	284,000	849,000	171,000	3,000	171,000	0	0	286	51,700
Nov.	538,000	959,000	0	2,000	0	0	0	...	0
Dec.	721,000	1,495,000	0	0	0	0	0	...	0
Total or average	10,871,000		4,276,000	59,000	5,723,000	3,543,000	0	362	190,400
1910									
Jan.	708,000	2,216,000	0	0	0	0	0	...	0
Feb.	847,000	2,924,000	0	0	551,000	280,000	0	409	257,400
Mar.	1,239,000	2,940,000	43,000	0	663,000	576,000	0	405	280,000
April	665,000	2,940,000	214,000	7,000	603,000	55,000	0	411	264,900
May	415,000	2,940,000	684,000	10,000	663,000	0	0	405	280,000
June	282,000	2,661,000	855,000	11,000	675,000	0	0	381	280,000
July	254,000	2,077,000	941,000	11,000	763,000	0	0	344	280,000
Aug.	236,000	1,379,000	855,000	8,000	781,000	0	0	242	242,600
Sept.	214,000	752,000	513,000	4,000	513,000	0	0	246	135,400
Oct.	231,000	449,000	171,000	2,000	171,000	0	0	234	41,000
Nov.	274,000	507,000	0	2,000	0	0	0	...	0
Dec.	436,000	779,000	0	0	0	0	0	...	0
Total or average	5,801,000		4,276,000	55,000	5,383,000	911,000	0	347	171,100
1911									
Jan.	700,000	1,215,000	0	0	0	0	0	...	0
Feb.	848,000	1,915,000	0	0	0	0	0	...	0
Mar.	1,278,000	2,763,000	43,000	0	562,000	533,000	0	407	237,000
April	962,000	2,940,000	214,000	7,000	639,000	316,000	0	408	280,000
May	671,000	2,940,000	684,000	10,000	657,000	13,000	0	410	280,000
June	431,000	2,904,000	855,000	12,000	651,000	0	0	397	280,000
July	287,000	2,468,000	941,000	13,000	716,000	0	0	368	280,000
Aug.	244,000	1,801,000	855,000	10,000	797,000	0	0	328	280,000
Sept.	231,000	1,180,000	513,000	6,000	513,000	0	0	294	165,600
Oct.	246,000	892,000	171,000	3,000	171,000	0	0	288	52,300
Nov.	241,000	964,000	0	2,000	0	0	0	...	0
Dec.	244,000	1,203,000	0	0	0	0	0	...	0
Total or average	6,383,000		4,276,000	63,000	4,709,000	868,000	0	362	155,500

RESERVOIR ON SACRAMENTO RIVER.

IRRIGATION WITH INCIDENTAL POWER GENERATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 2, page 110.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 451,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	
1,795,000	0	0	44,000	0	0	0	399	18,100	1908
2,655,000	0	0	536,000	537,000	0	0	388	232,200	Jan.
2,552,000	43,000	0	311,000	16,000	0	0	401	128,900	Feb.
2,894,000	214,000	7,000	474,000	0	0	0	411	207,800	Mar.
2,940,000	684,000	10,000	663,000	0	0	0	406	280,000	April
2,738,000	855,000	11,000	666,000	0	0	0	387	280,000	May
2,212,000	941,000	12,000	744,000	0	0	0	352	280,000	June
1,519,000	855,000	8,000	797,000	0	0	0	305	258,500	July
885,000	513,000	5,000	513,000	0	0	0	262	146,000	Aug.
572,000	171,000	3,000	171,000	0	0	0	251	44,800	Sept.
633,000	0	2,000	0	0	0	0	...	0	Oct.
888,000	0	0	0	0	0	0	...	0	Nov.
									Dec.
	4,276,000	58,000	4,919,000	553,000	0	0	352	155,900	Total or average
1,155,000	0	0	321,000	1,588,000	0	0	381	128,600	1909
2,506,000	0	0	023,000	1,784,000	0	0	386	280,000	Jan.
2,625,000	43,000	0	543,000	150,000	0	0	401	225,800	Feb.
2,903,000	214,000	7,000	627,000	2,000	83,000	0	409	275,300	Mar.
2,940,000	684,000	10,000	659,000	0	5,000	0	408	280,000	April
2,822,000	855,000	11,000	627,000	0	0	0	333	280,000	May
2,366,000	941,000	12,000	725,000	0	0	0	363	280,000	June
1,721,000	855,000	9,000	809,000	0	0	0	323	280,000	July
1,121,000	513,000	5,000	513,000	0	0	0	289	163,100	Aug.
819,000	171,000	3,000	171,000	0	0	0	286	51,700	Sept.
959,000	0	2,000	0	0	0	0	...	0	Oct.
1,455,000	0	0	0	0	0	0	...	0	Nov.
									Dec.
	4,276,000	59,000	5,648,000	3,521,000	94,000	0	363	186,400	Total or average
2,216,000	0	0	154,000	126,000	0	0	393	63,200	1910
2,644,000	0	0	414,000	303,000	0	0	339	190,300	Jan.
2,774,000	43,000	0	652,000	279,000	162,000	0	406	265,700	Feb.
2,940,000	214,000	7,000	603,000	0	55,000	0	411	264,900	Mar.
2,940,000	684,000	10,000	663,000	0	0	0	405	280,000	April
2,661,000	855,000	11,000	675,000	0	0	0	381	280,000	May
2,077,000	941,000	11,000	763,000	0	0	0	344	280,000	June
1,379,000	855,000	8,000	781,000	0	0	0	242	212,600	July
752,000	513,000	4,000	513,000	0	0	0	246	135,400	Aug.
449,000	171,000	2,000	171,000	0	0	0	234	41,000	Sept.
507,000	0	2,000	0	0	0	0	...	0	Oct.
779,000	0	0	0	0	0	0	...	0	Nov.
									Dec.
	4,276,000	55,000	5,369,000	708,000	217,000	0	347	170,100	Total or average
1,215,000	0	0	0	0	0	0	...	0	1911
1,915,000	0	0	167,000	5,000	0	0	344	75,600	Jan.
2,591,000	43,000	0	634,000	417,000	0	0	335	263,200	Feb.
2,813,000	214,000	7,000	638,000	59,000	131,000	0	407	278,300	Mar.
2,940,000	684,000	10,000	657,000	0	13,000	0	410	280,000	April
2,901,000	855,000	12,000	654,000	0	0	0	347	280,000	May
2,408,000	941,000	13,000	716,000	0	0	0	338	284,000	June
1,801,000	855,000	10,000	797,000	0	0	0	338	280,000	July
1,180,000	513,000	6,000	513,000	0	0	0	244	165,600	Aug.
821,000	171,000	3,000	171,000	0	0	0	288	52,300	Sept.
964,000	0	2,000	0	0	0	0	...	0	Oct.
1,203,000	0	0	0	0	0	0	...	0	Nov.
									Dec.
	4,276,000	65,000	4,952,000	481,000	144,000	0	363	163,400	Total or average

TABLE 2a (Continued). KENNETT
 WATER AND POWER YIELD, OPERATING PRIMARILY FOR
 BOTH
 WITH AND WITHOUT FLOOD CONTROL
 Monthly Summary of Computa
 (For corresponding yearly sum

Height of dam 420 feet.

Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1912									
Jan.	517,000	1,447,000	0	0	0	0	0	...	0
Feb.	396,000	1,964,000	0	0	0	0	0	...	0
Mar.	635,000	2,360,000	43,000	0	55,000	0	0	402	23,000
April	487,000	2,940,000	214,000	7,000	455,000	25,000	0	411	199,900
May	714,000	2,940,000	684,000	10,000	659,000	58,000	0	408	280,000
June	405,000	2,902,000	855,000	12,000	654,000	0	0	396	280,000
July	274,000	2,440,600	941,000	13,000	719,000	0	0	366	280,000
Aug.	238,000	1,760,000	855,000	9,000	806,000	0	0	325	280,000
Sept.	242,000	1,134,000	513,000	5,000	513,000	0	0	290	163,600
Oct.	226,000	858,000	171,000	3,000	171,000	0	0	284	51,500
Nov.	432,000	910,000	0	2,000	0	0	0	...	0
Dec.	369,000	1,340,000	0	0	0	0	0	...	0
Total or average	4,935,000		4,276,000	61,000	4,032,000	83,000	0	360	130,200
1913									
Jan.	763,000	1,709,000	0	0	0	0	0	...	0
Feb.	387,000	2,472,000	0	0	0	0	0	...	0
Mar.	441,000	2,859,000	43,000	0	354,000	6,000	0	412	150,400
April	685,000	2,940,000	214,000	7,000	626,000	52,000	0	410	274,300
May	521,000	2,940,000	684,000	10,000	663,000	0	0	406	280,000
June	321,000	2,767,000	855,000	11,000	666,000	0	0	388	280,000
July	263,000	2,222,000	941,000	12,000	744,000	0	0	352	280,000
Aug.	232,000	1,532,000	855,000	8,000	800,000	0	0	306	260,400
Sept.	190,000	901,000	513,000	5,000	513,000	0	0	263	146,500
Oct.	202,000	573,000	171,000	3,000	171,000	0	0	249	44,500
Nov.	316,000	601,000	0	2,000	0	0	0	...	0
Dec.	696,000	915,000	0	0	0	0	0	...	0
Total or average	5,017,000		4,276,000	58,000	4,537,000	58,000	0	348	143,800
1914									
Jan.	2,797,000	1,611,000	0	0	346,000	1,122,000	0	399	144,100
Feb.	1,359,000	2,940,000	0	0	592,000	767,000	0	406	275,700
Mar.	987,000	2,940,000	43,000	0	660,000	327,000	0	407	280,000
April	1,137,000	2,940,000	214,000	7,000	639,000	491,000	0	407	278,600
May	703,000	2,940,000	684,000	10,000	657,000	37,000	0	409	280,000
June	452,000	2,912,000	855,000	12,000	651,000	0	0	398	280,000
July	309,000	2,497,000	941,000	13,000	713,000	0	0	370	280,000
Aug.	248,000	1,852,000	855,000	10,000	787,000	0	0	332	280,000
Sept.	225,000	1,235,000	513,000	6,000	513,000	0	0	298	168,300
Oct.	269,000	941,000	171,000	4,000	171,000	0	0	294	53,400
Nov.	252,000	1,035,000	0	3,000	0	0	0	...	0
Dec.	347,000	1,284,000	0	0	0	0	0	...	0
Total or average	9,085,000		4,276,000	65,000	5,729,000	2,744,000	0	370	192,800
1915									
Jan.	895,000	1,631,000	0	0	0	0	0	...	0
Feb.	2,298,000	2,526,000	0	0	582,000	1,302,000	0	402	269,200
Mar.	1,264,000	2,940,000	43,000	0	666,000	598,000	0	404	280,000
April	1,159,000	2,940,000	214,000	7,000	642,000	510,000	0	406	280,000
May	1,256,000	2,940,000	684,000	10,000	662,000	562,000	0	406	280,000
June	572,000	2,940,000	855,000	12,000	645,000	0	0	403	280,000
July	343,000	2,615,000	941,000	14,000	701,000	0	0	379	280,000
Aug.	266,000	2,033,000	855,000	10,000	759,000	0	0	344	280,000
Sept.	215,000	1,434,000	513,000	6,000	513,000	0	0	314	177,500
Oct.	233,000	1,130,000	171,000	4,000	171,000	0	0	309	56,000
Nov.	254,000	1,188,000	0	3,000	0	0	0	...	0
Dec.	699,000	1,439,000	0	0	0	0	0	...	0
Total or average	9,554,000		4,276,000	66,000	5,341,000	2,972,000	0	374	181,100

RESERVOIR ON SACRAMENTO RIVER.

IRRIGATION WITH INCIDENTAL POWER GENERATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 2, page 110.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram								
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 451,000 ac.-ft.								
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor = 1.00)
1912								
1,447,000	0	0	0	0	0	0	...	0
1,964,000	0	0	0	0	0	0	...	0
2,300,000	43,000	0	55,000	0	0	0	402	23,000
2,940,000	214,000	7,000	455,000	0	25,000	0	411	199,300
2,940,000	684,000	10,000	659,000	0	38,000	0	408	280,000
2,902,000	855,000	12,000	654,000	0	0	0	396	280,000
2,440,000	941,000	13,000	719,000	0	0	0	366	280,000
1,760,000	855,000	9,000	806,000	0	0	0	325	280,000
1,134,000	513,000	5,000	513,000	0	0	0	290	163,600
858,000	171,000	3,000	171,000	0	0	0	284	51,500
910,000	0	2,000	0	0	0	0	...	0
1,340,000	0	0	0	0	0	0	...	0
	4,276,000	61,000	4,032,000	0	83,000	0	360	150,200
1913								
1,709,000	0	0	0	0	0	0	...	0
2,472,000	0	0	135,000	0	0	0	400	62,500
2,724,000	43,000	0	215,000	10,000	0	0	410	91,500
2,940,000	214,000	7,000	626,000	0	52,000	0	409	274,300
2,940,000	684,000	10,000	663,000	0	0	0	406	280,000
2,767,000	855,000	11,000	666,000	0	0	0	388	280,000
2,222,000	941,000	12,000	744,000	0	0	0	352	280,000
1,532,000	855,000	8,000	800,000	0	0	0	306	260,400
901,000	513,000	5,000	513,000	0	0	0	263	146,500
573,000	171,000	3,000	171,000	0	0	0	249	44,500
601,000	0	2,000	0	0	0	0	...	0
915,000	0	0	0	0	0	0	...	0
	4,276,000	58,000	4,533,000	10,000	52,000	0	352	143,600
1914								
1,611,000	0	0	416,000	1,213,000	0	0	394	171,100
2,779,000	0	0	612,000	752,000	0	0	334	280,000
2,774,000	43,000	0	614,000	249,000	0	0	401	255,800
2,868,000	214,000	7,000	627,000	0	461,000	0	407	273,200
2,940,000	684,000	10,000	657,000	0	37,000	0	409	280,000
2,912,000	855,000	12,000	651,000	0	0	0	398	280,000
2,497,000	941,000	13,000	713,000	0	0	0	370	280,000
1,852,000	855,000	10,000	787,000	0	0	0	332	280,000
1,235,000	513,000	6,000	513,000	0	0	0	298	168,300
941,000	171,000	4,000	171,000	0	0	0	294	53,400
1,065,000	0	3,000	0	0	0	0	...	0
1,284,000	0	0	0	0	0	0	...	0
	4,276,000	65,000	5,761,000	2,214,000	498,000	0	369	102,900
1915								
1,631,000	0	0	22,000	16,000	0	0	388	9,000
2,488,000	0	0	620,000	1,475,000	0	0	286	278,100
2,691,000	43,000	0	655,000	373,000	0	0	239	271,900
2,927,000	214,000	7,000	642,000	32,000	465,000	0	405	280,000
2,940,000	684,000	10,000	662,000	0	562,000	0	406	280,000
2,940,000	855,000	12,000	645,000	0	0	0	403	280,000
2,645,000	941,000	14,000	704,000	0	0	0	379	280,000
2,033,000	855,000	10,000	759,000	0	0	0	344	280,000
1,434,000	513,000	6,000	515,000	0	0	0	314	177,500
1,130,000	171,000	4,000	171,000	0	0	0	309	56,000
1,188,000	0	3,000	0	0	0	0	...	0
1,430,000	0	0	0	0	0	0	...	0
	4,276,000	66,000	5,390,000	1,890,000	1,027,000	0	372	181,900

TABLE 2a (Continued). KENNETT
 WATER AND POWER YIELD, OPERATING PRIMARILY FOR
 BOTH
 WITH AND WITHOUT FLOOD CONTROL
 Monthly Summary of Computa
 (For corresponding yearly sum

Height of dam 420 feet.

Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor = 1.00)
1916									
Jan.	1,166,000	2,138,000	0	0	171,000	183,000	0	406	72,000
Feb.	1,616,000	2,940,000	0	0	620,000	996,000	0	404	277,900
Mar.	1,215,000	2,940,000	43,000	0	663,000	552,000	0	406	280,000
April	678,000	2,940,000	214,000	7,000	614,000	57,000	0	409	269,200
May	485,000	2,940,000	684,000	10,000	662,000	0	0	406	280,000
June	353,000	2,731,000	855,000	11,000	666,000	0	0	387	280,000
July	316,000	2,218,000	941,000	12,000	741,000	0	0	354	280,000
Aug.	244,000	1,581,000	855,000	9,000	806,000	0	0	311	266,900
Sept.	213,000	961,000	513,000	5,000	513,000	0	0	271	151,800
Oct.	236,000	656,000	171,000	3,000	171,000	0	0	262	47,000
Nov.	242,000	718,000	0	2,000	0	0	0	...	0
Dec.	363,000	958,000	0	0	0	0	0	...	0
Total or average	7,127,000		4,276,000	59,000	5,627,000	1,798,000	0	358	183,300
1917									
Jan.	312,000	1,321,000	0	0	0	0	0	...	0
Feb.	760,000	1,633,000	0	0	0	0	0	...	0
Mar.	459,000	2,393,000	43,000	0	43,000	0	0	400	17,900
April	906,000	2,809,000	214,000	7,000	537,000	231,000	0	408	234,400
May	580,000	2,940,000	684,000	10,000	659,000	5,000	0	409	280,000
June	329,000	2,821,000	855,000	11,000	660,000	0	0	331	280,000
July	238,000	2,284,000	941,000	12,000	738,000	0	0	356	280,000
Aug.	214,000	1,569,000	855,000	9,000	805,000	0	0	308	263,400
Sept.	185,000	919,000	513,000	5,000	513,000	0	0	265	117,600
Oct.	200,000	586,000	171,000	3,000	171,000	0	0	250	44,600
Nov.	224,000	612,000	0	2,000	0	0	0	...	0
Dec.	208,000	834,000	0	0	0	0	0	...	0
Total or average	4,705,000		4,276,000	59,000	4,124,000	233,000	0	348	129,700
1918									
Jan.	249,000	1,132,000	0	0	0	0	0	...	0
Feb.	399,000	1,381,000	0	0	0	0	0	...	0
Mar.	772,000	1,780,000	43,000	0	43,000	0	0	372	16,900
April	556,000	2,509,000	214,000	7,000	214,000	0	0	403	92,500
May	314,000	2,844,000	684,000	10,000	673,000	0	0	399	280,000
June	232,000	2,464,000	855,000	11,000	630,000	0	0	369	280,000
July	200,000	1,830,000	941,000	10,000	806,000	0	0	324	280,000
Aug.	192,000	1,079,000	855,000	7,000	732,000	0	0	258	197,400
Sept.	186,000	409,000	513,000	3,000	0	0	0	...	0
Oct.	258,000	79,000	171,000	1,000	0	0	0	...	0
Nov.	246,000	165,000	0	1,000	0	0	0	...	0
Dec.	258,000	410,000	0	0	0	0	0	...	0
Total or average	3,862,000		4,276,000	50,000	3,158,000	0	0	254	96,100
1919									
Jan.	587,000	668,000	0	0	0	0	0	...	0
Feb.	1,163,000	1,255,000	0	0	0	0	0	...	0
Mar.	959,000	2,418,000	43,000	0	340,000	97,000	0	407	143,100
April	752,000	2,940,000	214,000	7,000	627,000	118,000	0	410	274,300
May	438,000	2,940,000	684,000	10,000	666,000	0	0	404	280,000
June	252,000	2,684,000	855,000	11,000	675,000	0	0	381	280,000
July	219,000	2,070,000	941,000	11,000	756,000	0	0	342	280,000
Aug.	199,000	1,337,000	855,000	8,000	775,000	0	0	286	235,500
Sept.	168,000	673,000	513,000	4,000	513,000	0	0	230	124,600
Oct.	203,000	324,000	171,000	2,000	171,000	0	0	210	35,600
Nov.	186,000	354,000	0	1,000	0	0	0	...	0
Dec.	180,000	539,000	0	0	0	0	0	...	0
Total or average	5,306,000		4,276,000	51,000	4,333,000	215,000	0	334	138,500

RESERVOIR ON SACRAMENTO RIVER.

IRRIGATION WITH INCIDENTAL POWER GENERATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 2, page 110.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 451,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1916									
2,138,000	0	0	397,000	415,000	0	0	386	160,900	Jan.
2,492,000	0	0	646,000	920,000	0	0	384	278,500	Feb.
2,542,000	43,000	0	616,000	263,000	0	0	396	254,300	Mar.
2,878,000	214,000	7,000	572,000	0	37,000	0	410	251,100	April
2,940,000	684,000	10,000	662,000	0	0	0	406	280,000	May
2,731,000	855,000	11,000	660,000	0	0	0	387	280,000	June
2,218,000	941,000	12,000	741,000	0	0	0	354	280,000	July
1,581,000	855,000	9,000	806,000	0	0	0	311	266,900	Aug.
961,000	513,000	5,000	513,000	0	0	0	271	151,800	Sept.
656,000	171,000	3,000	171,000	0	0	0	262	47,000	Oct.
718,000	0	2,000	0	0	0	0	...	0	Nov.
958,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	59,000	5,790,000	1,598,000	37,000	0	355	187,200	Total or average
1917									
1,321,000	0	0	0	0	0	0	...	0	Jan.
1,633,000	0	0	0	0	0	0	...	0	Feb.
2,333,000	43,000	0	43,000	0	0	0	400	17,900	Mar.
2,809,000	214,000	7,000	537,000	0	231,000	0	408	234,400	April
2,940,000	684,000	10,000	659,000	0	5,000	0	403	280,000	May
2,821,000	855,000	11,000	660,000	0	0	0	331	280,000	June
2,284,000	941,000	12,000	738,000	0	0	0	356	280,000	July
1,569,000	855,000	9,000	803,000	0	0	0	308	263,400	Aug.
919,000	513,000	5,000	513,000	0	0	0	265	147,600	Sep.
586,000	171,000	3,000	171,000	0	0	0	250	44,600	Oct.
612,000	0	2,000	0	0	0	0	...	0	Nov.
834,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	59,000	4,124,000		236,000	0	348	129,700	Total or average
1918									
1,122,000	0	0	0	0	0	0	...	0	Jan.
1,381,000	0	0	0	0	0	0	...	0	Feb.
1,780,000	43,000	0	43,000	0	0	0	372	16,900	Mar.
2,509,000	214,000	7,000	214,000	0	0	0	403	92,500	April
2,844,000	684,000	10,000	673,000	0	0	0	399	280,000	May
2,464,000	855,000	11,000	690,000	0	0	0	369	280,000	June
1,830,000	941,000	10,000	806,000	0	0	0	324	280,000	July
1,079,000	855,000	7,000	732,000	0	0	0	258	197,400	Aug.
409,000	513,000	3,000	0	0	0	0	...	0	Sep.
79,000	171,000	1,000	0	0	0	0	...	0	Oct.
165,000	0	1,000	0	0	0	0	...	0	Nov.
410,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	50,000	3,158,000	0	0	0	354	96,400	Total or average
1919									
668,000	0	0	0	0	0	0	...	0	Jan.
1,255,000	0	0	0	0	0	0	...	0	Feb.
2,418,000	43,000	0	507,000	45,000	0	0	398	209,800	Mar.
2,825,000	214,000	7,000	532,000	3,000	35,000	0	403	258,600	April
2,940,000	684,000	10,000	666,000	0	0	0	404	280,000	May
2,684,000	855,000	11,000	675,000	0	0	0	381	280,000	June
2,070,000	941,000	11,000	766,000	0	0	0	342	280,000	July
1,337,000	855,000	8,000	775,000	0	0	0	286	235,500	Aug.
673,000	513,000	4,000	513,000	0	0	0	230	124,000	Sep.
324,000	171,000	2,000	171,000	0	0	0	210	35,600	Oct.
354,000	0	1,000	0	0	0	0	...	0	Nov.
539,000	0	0	0	0	0	0	...	0	Dec.
	4,276,000	51,000	4,665,000	48,000	35,000	0	332	142,900	Total or average

TABLE 2a (Continued). KENNETT
WATER AND POWER YIELD, OPERATING PRIMARILY FOR
BOTH
WITH AND WITHOUT FLOOD CONTROL
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet.

Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1920									
Jan.	207,000	719,000	0	0	0	0	0	...	0
Feb.	176,000	926,000	0	0	0	0	0	...	0
Mar.	372,000	1,102,000	43,000	0	43,000	0	0	318	14,500
April	493,000	1,431,000	214,000	5,000	214,000	0	0	340	80,100
May	286,000	1,705,000	684,000	7,000	684,000	0	0	233	243,300
June	216,000	1,300,000	855,000	7,000	747,000	0	0	285	233,300
July	192,000	654,000	841,000	5,000	291,000	0	100,000	231	69,100
Aug.	176,000	0	176,000	0	0	0	679,000	...	0
Sept.	140,000	0	140,000	0	0	0	373,000	...	0
Oct.	180,000	0	168,000	0	0	0	3,000	...	0
Nov.	896,000	12,000	0	0	0	0	0	...	0
Dec.	1,121,000	908,000	0	0	0	0	0	...	0
Total or average	4,455,000		3,121,000	24,000	1,979,000	0	1,155,000	315	53,400
1921									
Jan.	1,492,000	2,029,000	0	0	162,000	419,000	0	402	67,700
Feb.	1,035,000	2,940,000	0	0	602,000	433,000	0	404	280,000
Mar.	982,000	2,940,000	43,000	0	600,000	322,000	0	407	280,000
April	559,000	2,940,000	214,000	7,000	510,000	12,000	0	410	238,500
May	493,000	2,940,000	684,000	10,000	663,000	0	0	406	280,000
June	316,000	2,739,000	855,000	11,000	666,000	0	0	387	280,000
July	220,000	2,189,000	941,000	12,000	750,000	0	0	349	280,000
Aug.	192,000	1,456,000	855,000	8,000	787,000	0	0	298	249,200
Sept.	176,000	785,000	513,000	4,000	513,000	0	0	247	136,300
Oct.	196,000	443,000	171,000	2,000	171,000	0	0	229	40,100
Nov.	205,000	466,000	0	2,000	0	0	0	...	0
Dec.	390,000	669,000	0	0	0	0	0	...	0
Total or average	6,255,000		4,276,000	56,000	5,514,000	1,186,000	0	350	176,800
1922									
Jan.	300,000	1,059,000	0	0	0	0	0	...	0
Feb.	679,000	1,359,000	0	0	0	0	0	...	0
Mar.	567,000	2,038,000	43,000	0	43,000	0	0	383	17,300
April	604,000	2,362,000	214,000	7,000	219,000	0	0	410	95,600
May	577,000	2,940,000	684,000	10,000	660,000	0	0	409	280,000
June	317,000	2,823,000	855,000	11,000	660,000	0	0	390	280,000
July	203,000	2,274,000	941,000	12,000	741,000	0	0	354	280,000
Aug.	182,000	1,524,000	855,000	8,000	794,000	0	0	302	255,400
Sept.	161,000	843,000	513,000	4,000	513,000	0	0	254	140,400
Oct.	208,000	487,000	171,000	2,000	171,000	0	0	237	41,800
Nov.	244,000	522,000	0	2,000	0	0	0	...	0
Dec.	462,000	764,000	0	0	0	0	0	...	0
Total or average	4,501,000		4,276,000	56,000	3,801,000	0	0	342	116,700
1923									
Jan.	467,000	1,226,000	0	0	0	0	0	...	0
Feb.	297,000	1,693,000	0	0	0	0	0	...	0
Mar.	287,000	1,990,000	43,000	0	43,000	0	0	375	16,900
April	632,000	2,234,000	214,000	6,000	214,000	0	0	393	90,700
May	322,000	2,046,000	684,000	10,000	684,000	0	0	389	278,600
June	236,000	2,274,000	855,000	10,000	708,000	0	0	360	280,000
July	184,000	1,645,000	941,000	10,000	803,000	0	0	309	264,300
Aug.	165,000	878,000	855,000	6,000	682,000	0	0	224	154,200
Sept.	157,000	182,000	338,000	1,000	0	0	175,000	...	0
Oct.	187,000	0	171,000	0	0	0	0	...	0
Nov.	176,000	16,000	0	0	0	0	0	...	0
Dec.	184,000	192,000	0	0	0	0	0	...	0
Total or average	3,294,000		4,101,000	43,000	3,134,000	0	175,000	341	91,100

RESERVOIR ON SACRAMENTO RIVER.

IRRIGATION WITH INCIDENTAL POWER GENERATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 2, page 110.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.
 Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 451,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	
									1920
719,000	0	0	0	0	0	0	...	0	
926,000	0	0	0	0	0	0	...	0	
1,102,000	43,000	0	43,000	0	0	0	318	14,500	
1,431,000	214,000	5,000	214,000	0	0	0	340	80,100	
1,705,000	684,000	7,000	684,000	0	0	0	333	243,300	
1,300,000	855,000	7,000	747,000	0	0	0	285	233,300	
654,000	811,000	5,000	291,000	0	0	100,000	231	69,100	
0	176,000	0	0	0	0	679,000	...	0	
0	140,000	0	0	0	0	373,000	...	0	
0	168,000	0	0	0	0	3,000	...	0	
12,000	0	0	0	0	0	0	...	0	
908,000	0	0	0	0	0	0	...	0	
	3,121,000	24,000	1,979,000	0	0	1,155,000	315	53,400	
									1921
2,029,000	0	0	331,000	537,000	0	0	388	134,700	
2,653,000	0	0	618,000	508,000	0	0	389	280,000	
2,562,000	43,000	0	675,000	47,000	0	0	397	280,000	
2,822,000	214,000	7,000	434,000	0	0	0	411	190,600	
2,940,000	684,000	10,000	663,000	0	0	0	406	280,000	
2,739,000	855,000	11,000	666,000	0	0	0	387	280,000	
2,189,000	941,000	12,000	750,000	0	0	0	349	280,000	
1,456,000	855,000	8,000	787,000	0	0	0	238	249,200	
785,000	513,000	4,000	513,000	0	0	0	247	136,300	
443,000	171,000	2,000	171,000	0	0	0	229	40,100	
466,000	0	2,000	0	0	0	0	...	0	
669,000	0	0	0	0	0	0	...	0	
	4,276,000	56,000	5,608,000	1,032,000	0	0	348	178,700	
									1922
1,059,000	0	0	0	0	0	0	...	0	
1,359,000	0	0	0	0	0	0	...	0	
2,038,000	43,000	0	43,000	0	0	0	383	17,300	
2,562,000	214,000	7,000	219,000	0	0	0	410	95,600	
2,940,000	684,000	10,000	660,000	0	0	0	409	280,000	
2,823,000	855,000	11,000	660,000	0	0	0	330	280,000	
2,274,000	941,000	12,000	741,000	0	0	0	354	289,000	
1,524,000	855,000	8,000	794,000	0	0	0	392	255,400	
843,000	513,000	4,000	513,000	0	0	0	254	140,400	
487,000	171,000	2,000	171,000	0	0	0	237	41,800	
522,000	0	2,000	0	0	0	0	...	0	
764,000	0	0	0	0	0	0	...	0	
	4,276,000	56,000	3,801,000	0	0	0	342	116,700	
									1923
1,226,000	0	0	0	0	0	0	...	0	
1,693,000	0	0	0	0	0	0	...	0	
1,990,000	43,000	0	43,000	0	0	0	375	16,900	
2,231,000	214,000	6,000	214,000	0	0	0	333	90,700	
2,646,000	684,000	10,000	684,000	0	0	0	389	278,600	
2,274,000	855,000	10,000	708,000	0	0	0	360	280,000	
1,645,000	941,000	10,000	803,000	0	0	0	309	264,300	
787,000	855,000	6,000	682,000	0	0	0	224	151,200	
182,000	338,000	1,000	0	0	0	175,000	...	0	
0	171,000	0	0	0	0	0	...	0	
16,000	0	0	0	0	0	0	...	0	
192,000	0	0	0	0	0	0	...	0	
	4,101,000	43,000	3,134,000	0	0	175,000	341	91,100	
									Total or average

TABLE 2a (Concluded). KENNETT
WATER AND POWER YIELD, OPERATING PRIMARILY FOR
BOTH
WITH AND WITHOUT FLOOD CONTROL
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet.

Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1924									
Jan.	203,000	376,000	0	0	0	0	0	...	0
Feb.	332,000	579,000	0	0	0	0	0	...	0
Mar.	200,000	911,000	43,000	0	43,000	0	0	295	13,400
April	176,000	1,068,000	214,000	4,000	214,000	0	0	301	70,700
May	155,000	1,026,000	681,000	5,000	684,000	0	0	265	191,400
June	141,000	492,000	629,000	4,000	131,000	0	226,000	220	30,000
July	140,000	0	140,000	0	0	0	801,000	...	0
Aug.	140,000	0	140,000	0	0	0	715,000	...	0
Sept.	128,000	0	128,000	0	0	0	385,000	...	0
Oct.	178,000	0	158,000	0	0	0	13,000	...	0
Nov.	317,000	20,000	0	0	0	0	0	...	0
Dec.	321,000	337,000	0	0	0	0	0	...	0
Total or average	2,431,000		2,136,000	13,000	1,072,000	0	2,140,000	283	25,600
1925									
Jan.	301,000	658,000	0	0	0	0	0	...	0
Feb.	1,760,000	959,000	0	0	0	0	0	...	0
Mar.	563,000	2,728,000	43,000	0	338,000	13,000	0	411	143,800
April	926,000	2,940,000	214,000	7,000	635,000	284,000	0	408	277,500
May	474,000	2,940,000	684,000	10,000	665,000	0	0	405	280,000
June	276,000	2,720,000	855,000	11,000	660,000	0	0	384	280,000
July	173,000	2,130,000	941,000	11,000	763,000	0	0	334	280,000
Aug.	167,000	1,351,000	855,000	8,000	772,000	0	0	286	234,100
Sept.	163,000	655,000	513,000	4,000	513,000	0	0	227	122,400
Oct.	181,000	301,000	171,000	2,000	0	0	0	...	0
Nov.	192,000	309,000	0	1,000	0	0	0	...	0
Dec.	235,000	500,000	0	0	0	0	0	...	0
Total or average	5,420,000		4,276,000	54,000	4,353,000	297,000	0	352	135,500
Total for 30-year period, 1896-1926	188,012,000		124,570,000	1,641,000	136,102,000	33,096,000	3,710,000		
Average for 30-year period, 1896-1926	6,267,000		4,152,000	55,000	4,537,000	1,103,000	124,000	353.4	145,300

RESERVOIR ON SACRAMENTO RIVER.

IRRIGATION WITH INCIDENTAL POWER GENERATION

BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 2, page 110.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.
Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 451,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
376,000	0	0	0	0	0	0	...	0	1924
579,000	0	0	0	0	0	0	...	0	Jan.
911,000	43,000	0	43,000	0	0	0	295	13,400	Feb.
1,068,000	214,000	4,000	214,000	0	0	0	301	70,700	Mar.
1,026,000	684,000	5,000	684,000	0	0	0	265	191,400	April
492,000	629,000	4,000	131,000	0	0	226,000	220	30,000	May
0	140,000	0	0	0	0	801,000	...	0	June
0	140,000	0	0	0	0	715,000	...	0	July
0	128,000	0	0	0	0	385,000	...	0	Aug.
0	158,000	0	0	0	0	13,000	...	0	Sept.
20,000	0	0	0	0	0	0	...	0	Oct.
337,000	0	0	0	0	0	0	...	0	Nov.
	2,136,000	13,000	1,072,000	0	0	2,140,000	283	25,600	Dec.
									Total or average
658,000	0	0	0	0	0	0	...	0	1925
959,000	0	0	111,000	89,000	0	0	387	49,900	Jan.
2,528,000	43,000	0	239,000	36,000	0	0	401	98,800	Feb.
2,816,000	214,000	7,000	588,000	27,000	180,000	0	408	256,900	Mar.
2,940,000	684,000	10,000	663,000	0	0	0	405	280,000	April
2,720,000	855,000	11,000	669,000	0	0	0	384	280,000	May
2,130,000	941,000	11,000	763,000	0	0	0	344	280,000	June
1,351,000	855,000	8,000	772,000	0	0	0	286	234,100	July
655,000	513,000	4,000	513,000	0	0	0	227	122,400	Aug.
301,000	171,000	2,000	0	0	0	0	...	0	Sept.
309,000	0	1,000	0	0	0	0	...	0	Oct.
500,000	0	0	0	0	0	0	...	0	Nov.
	4,276,000	54,000	4,318,000	152,000	180,000	0	352	133,900	Dec.
									Total or average
	124,570,000	1,641,000	136,982,000	26,574,000	5,642,000	3,710,000			Total for 30-year period, 1896-1926
									Average for 30-year period, 1896-1926
	4,152,000	55,000	4 566,000	886,000	188,000	124,000	352.9	145.60.	

TABLE 3a. KENNETT RESER
COMPARISON OF WATER YIELD
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.					
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet
1896							
Jan.	1,980,000	1,860,000	0	0	1,331,000	0	0
Feb.	474,000	2,509,000	0	0	264,000	0	0
Mar.	738,000	2,719,000	43,000	0	172,000	302,000	0
April	891,000	2,940,000	214,000	7,000	0	670,000	0
May	1,194,000	2,940,000	684,000	10,000	0	500,000	0
June	536,000	2,940,000	855,000	12,000	0	0	0
July	313,000	2,609,000	941,000	13,000	0	0	0
Aug.	268,000	1,968,000	855,000	10,000	0	0	0
Sept.	258,000	1,371,000	513,000	6,000	0	0	0
Oct.	262,000	1,110,000	171,000	4,000	0	0	0
Nov.	472,000	1,197,000	0	3,000	0	0	0
Dec.	920,000	1,666,000	0	0	0	0	0
Total or average	8,306,000		4,276,000	65,000	1,767,000	1,472,000	0
1897							
Jan.	577,000	2,586,000	0	0	655,000	0	0
Feb.	1,338,000	2,508,000	0	0	1,316,000	0	0
Mar.	737,000	2,530,000	43,000	0	413,000	0	0
April	858,000	2,811,000	214,000	7,000	29,000	479,000	0
May	554,000	2,940,000	684,000	10,000	0	3,000	0
June	310,000	2,797,000	855,000	11,000	0	0	0
July	275,000	2,241,000	941,000	12,000	0	0	0
Aug.	254,000	1,563,000	855,000	9,000	0	0	0
Sept.	247,000	953,000	513,000	5,000	0	0	0
Oct.	262,000	682,000	171,000	3,000	0	0	0
Nov.	274,000	770,000	0	2,000	0	0	0
Dec.	366,000	1,042,000	0	0	0	0	0
Total or average	6,052,000		4,276,000	59,000	2,413,000	482,000	0
1898							
Jan.	257,000	1,408,000	0	0	0	0	0
Feb.	478,000	1,665,000	0	0	0	0	0
Mar.	380,000	2,142,000	43,000	0	0	0	0
April	274,000	2,480,000	214,000	7,000	0	0	0
May	300,000	2,533,000	684,000	9,000	0	0	0
June	304,000	2,140,000	855,000	10,000	0	0	0
July	257,000	1,579,000	941,000	9,000	0	0	0
Aug.	225,000	866,000	855,000	6,000	0	0	0
Sept.	198,000	230,000	426,000	2,000	0	0	87,000
Oct.	221,000	0	171,000	0	0	0	0
Nov.	217,000	50,000	0	0	0	0	0
Dec.	217,000	267,000	0	0	0	0	0
Total or average	3,308,000		4,189,000	43,000	0	0	87,000
1899							
Jan.	605,000	484,000	0	0	0	0	0
Feb.	253,000	1,089,000	0	0	0	0	0
Mar.	900,000	1,342,000	43,000	0	0	0	0
April	456,000	2,199,000	214,000	6,000	0	0	0
May	330,000	2,435,000	684,000	9,000	0	0	0
June	302,000	2,072,000	855,000	9,000	0	0	0
July	240,000	1,510,000	941,000	9,000	0	0	0
Aug.	224,000	800,000	855,000	5,000	0	0	0
Sept.	197,000	164,000	360,000	1,000	0	0	153,000
Oct.	252,000	0	171,000	0	0	0	0
Nov.	645,000	81,000	0	0	0	0	0
Dec.	646,000	726,000	0	0	0	0	0
Total or average	5,050,000		4,123,000	39,000	0	0	153,000

VOIR ON SACRAMENTO RIVER.

OPERATING PRIMARILY FOR IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 3, page 112.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.

Flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season
Maximum controlled flow at Red Bluff 125,000 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Year and month
1,860,000	0	0	1,354,000	0	0	1896
2,486,000	0	0	474,000	0	0	Jan.
2,486,000	43,000	0	695,000	0	0	Feb.
2,486,000	214,000	7,000	137,000	79,000	0	Mar.
2,940,000	684,000	10,000	0	500,000	0	April
2,940,000	855,000	12,000	0	0	0	May
2,609,000	941,000	13,000	0	0	0	June
1,968,000	855,000	10,000	0	0	0	July
1,371,000	513,000	6,000	0	0	0	Aug.
1,110,000	171,000	4,000	0	0	0	Sept.
1,197,000	0	3,000	0	0	0	Oct.
1,666,000	0	0	100,000	0	0	Nov.
						Dec.
	4,276,000	65,000	2,760,000	579,000	0	Total or average
2,486,000	0	0	577,000	0	0	1897
2,486,000	0	0	1,338,000	0	0	Jan.
2,486,000	43,000	0	694,000	0	0	Feb.
2,486,000	214,000	7,000	138,000	45,000	0	Mar.
2,940,000	684,000	10,000	0	3,000	0	April
2,797,000	855,000	11,000	0	0	0	May
2,241,000	941,000	12,000	0	0	0	June
1,563,000	855,000	9,000	0	0	0	July
953,000	513,000	5,000	0	0	0	Aug.
682,000	171,000	3,000	0	0	0	Sept.
770,000	0	2,000	0	0	0	Oct.
1,042,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	59,000	2,747,000	48,000	0	Total or average
1,408,000	0	0	0	0	0	1898
1,665,000	0	0	0	0	0	Jan.
2,143,000	43,000	0	0	0	0	Feb.
2,480,000	214,000	7,000	5,000	0	0	Mar.
2,528,000	684,000	9,000	0	0	0	April
2,135,000	855,000	10,000	0	0	0	May
1,574,000	941,000	9,000	0	0	0	June
861,000	855,000	6,000	0	0	0	July
225,000	421,000	2,000	0	0	92,000	Aug.
0	171,000	0	0	0	0	Sept.
50,000	0	0	0	0	0	Oct.
267,000	0	0	0	0	0	Nov.
						Dec.
	4,184,000	43,000	5,000	0	92,000	Total or average
484,000	0	0	0	0	0	1899
1,089,000	0	0	0	0	0	Jan.
1,342,000	43,000	0	0	0	0	Feb.
2,199,000	214,000	6,000	0	0	0	Mar.
2,435,000	684,000	9,000	0	0	0	April
2,072,000	855,000	9,000	0	0	0	May
1,510,000	941,000	9,000	0	0	0	June
800,000	855,000	5,000	0	0	0	July
164,000	360,000	1,000	0	0	153,000	Aug.
0	171,000	0	0	0	0	Sept.
81,000	0	0	0	0	0	Oct.
726,000	0	0	0	0	0	Nov.
						Dec.
	4,123,000	39,000	0	0	153,000	Total or average

TABLE 3a (Continued). KENNETT
COMPARISON OF WATER YIELD
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.					
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet
1900							
Jan.	1,299,000	1,372,000	0	0	181,000	0	0
Feb.	331,000	2,490,000	0	0	302,000	0	0
Mar.	912,000	2,579,000	43,000	0	570,000	0	0
April	457,000	2,878,000	214,000	7,000	0	174,000	0
May	413,000	2,940,000	684,000	10,000	0	0	0
June	247,000	2,659,000	855,000	11,000	0	0	0
July	219,000	2,040,000	941,000	11,000	0	0	0
Aug.	208,000	1,307,000	855,000	8,000	0	0	0
Sept.	201,000	652,000	513,000	4,000	0	0	0
Oct.	308,000	336,000	171,000	2,000	0	0	0
Nov.	368,000	471,000	0	2,000	0	0	0
Dec.	697,000	837,000	0	0	0	0	0
Total or average	5,720,000		4,276,000	55,000	1,053,000	174,000	0
1901							
Jan.	895,000	1,534,000	0	0	0	0	0
Feb.	1,304,000	2,429,000	0	0	1,192,000	0	0
Mar.	749,000	2,541,000	43,000	0	443,000	0	0
April	382,000	2,804,000	214,000	7,000	0	25,000	0
May	411,000	2,940,000	684,000	10,000	0	0	0
June	240,000	2,657,000	855,000	11,000	0	0	0
July	218,000	2,031,000	941,000	11,000	0	0	0
Aug.	206,000	1,297,000	855,000	8,000	0	0	0
Sept.	200,000	640,000	513,000	4,000	0	0	0
Oct.	215,000	323,000	171,000	2,000	0	0	0
Nov.	354,000	365,000	0	1,000	0	0	0
Dec.	550,000	718,000	0	0	0	0	0
Total or average	5,724,000		4,276,000	54,000	1,635,000	25,000	0
1902							
Jan.	227,000	1,268,000	0	0	0	0	0
Feb.	2,782,000	1,495,000	0	0	1,711,000	0	0
Mar.	1,115,000	2,566,000	43,000	0	796,000	0	0
April	891,000	2,812,000	214,000	7,000	0	572,000	0
May	765,000	2,940,000	684,000	10,000	0	105,000	0
June	407,000	2,906,000	855,000	12,000	0	0	0
July	254,000	2,446,000	941,000	13,000	0	0	0
Aug.	234,000	1,746,000	855,000	9,000	0	0	0
Sept.	184,000	1,116,000	513,000	5,000	0	0	0
Oct.	235,000	782,000	171,000	3,000	0	0	0
Nov.	829,000	843,000	0	2,000	0	0	0
Dec.	762,000	1,670,000	0	0	0	0	0
Total or average	8,685,000		4,276,000	61,000	2,507,000	677,000	0
1903							
Jan.	1,113,000	2,432,000	0	0	1,056,000	0	0
Feb.	633,000	2,489,000	0	0	574,000	0	0
Mar.	1,339,000	2,548,000	43,000	0	1,032,000	0	0
April	765,000	2,812,000	214,000	7,000	111,000	305,000	0
May	458,000	2,940,000	684,000	10,000	0	0	0
June	278,000	2,704,000	855,000	11,000	0	0	0
July	231,000	2,116,000	941,000	11,000	0	0	0
Aug.	204,000	1,395,000	855,000	8,000	0	0	0
Sept.	174,000	736,000	513,000	4,000	0	0	0
Oct.	199,000	393,000	171,000	2,000	0	0	0
Nov.	924,000	419,000	0	1,000	0	0	0
Dec.	530,000	1,342,000	0	0	0	0	0
Total or average	6,848,000		4,276,000	54,000	2,773,000	305,000	0

RESERVOIR ON SACRAMENTO RIVER.

OPERATING PRIMARILY FOR IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 3, page 112.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.

Flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season
Maximum controlled flow at Red Bluff 125,000 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Year and month
1,372,000	0	0	185,000	0	0	1900
2,486,000	0	0	391,000	0	0	Jan.
2,486,000	43,000	0	869,000	0	0	Feb.
2,486,000	214,000	7,000	61,000	0	0	Mar.
2,661,000	684,000	10,000	0	0	0	April
2,380,000	855,000	10,000	0	0	0	May
1,762,000	941,000	10,000	0	0	0	June
1,030,000	855,000	6,000	0	0	0	July
377,000	513,000	3,000	0	0	0	Aug.
62,000	171,000	0	0	0	0	Sept.
199,000	0	1,000	0	0	0	Oct.
566,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	47,000	1,506,000	0	0	Total or average
1,263,000	0	0	0	0	0	1901
2,158,000	0	0	976,000	0	0	Jan.
2,486,000	43,000	0	706,000	0	0	Feb.
2,486,000	214,000	7,000	45,000	0	0	Mar.
2,602,000	684,000	9,000	0	0	0	April
2,320,000	855,000	10,000	0	0	0	May
1,695,000	941,000	10,000	0	0	0	June
962,000	855,000	6,000	0	0	0	July
307,000	505,000	2,000	0	0	8,000	Aug.
0	171,000	0	0	0	0	Sept.
44,000	0	0	0	0	0	Oct.
398,000	0	0	0	0	0	Nov.
						Dec.
	4,268,000	44,000	1,727,000	0	8,000	Total or average
948,000	0	0	0	0	0	1902
1,175,000	0	0	1,471,000	0	0	Jan.
2,486,000	43,000	0	1,072,000	0	0	Feb.
2,486,000	214,000	7,000	162,000	54,000	0	Mar.
2,940,000	684,000	10,000	0	105,000	0	April
2,906,000	855,000	12,000	0	0	0	May
2,446,000	941,000	13,000	0	0	0	June
1,746,000	855,000	9,000	0	0	0	July
1,116,000	513,000	5,000	0	0	0	Aug.
782,000	171,000	3,000	0	0	0	Sept.
843,000	0	2,000	0	0	0	Oct.
1,670,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	61,000	2,705,000	159,000	0	Total or average
2,432,000	0	0	1,059,000	0	0	1903
2,436,000	0	0	633,000	0	0	Jan.
2,486,000	43,000	0	1,296,000	0	0	Feb.
2,486,000	214,000	7,000	218,000	0	0	Mar.
2,812,000	684,000	10,000	0	0	0	April
2,575,000	855,000	11,000	0	0	0	May
1,988,000	941,000	11,000	0	0	0	June
1,267,000	855,000	7,000	0	0	0	July
609,000	513,000	4,000	0	0	0	Aug.
236,000	171,000	2,000	0	0	0	Sept.
292,000	0	1,000	0	0	0	Oct.
1,215,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	53,000	3,206,000	0	0	Total or average

TABLE 3a (Continued). KENNETT
COMPARISON OF WATER YIELD
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.					
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet
1904							
Jan.	473,000	1,872,000	0	0	0	0	0
Feb.	1,742,000	2,345,000	0	0	1,557,000	0	0
Mar.	2,877,000	2,530,000	43,000	0	2,506,000	0	0
April	1,467,000	2,858,000	214,000	7,000	201,000	963,000	0
May	914,000	2,940,000	684,000	10,000	0	220,000	0
June	505,000	2,940,000	855,000	12,000	0	0	0
July	377,000	2,578,000	941,000	13,000	0	0	0
Aug.	282,000	2,001,000	855,000	10,000	0	0	0
Sept.	271,000	1,418,000	513,000	6,000	0	0	0
Oct.	491,000	1,170,000	171,000	4,000	0	0	0
Nov.	379,000	1,486,000	0	3,000	0	0	0
Dec.	600,000	1,862,000	0	0	0	0	0
Total or average	10,378,000		4,276,000	65,000	4,264,000	1,183,000	0
1905							
Jan.	1,371,000	2,462,000	0	0	1,201,000	0	0
Feb.	1,027,000	2,622,000	0	0	1,060,000	0	0
Mar.	1,335,000	2,599,000	43,000	0	970,000	0	0
April	753,000	2,921,000	214,000	7,000	47,000	466,000	0
May	560,000	2,940,000	684,000	10,000	0	0	0
June	365,000	2,806,000	855,000	11,000	0	0	0
July	269,000	2,305,000	941,000	12,000	0	0	0
Aug.	236,000	1,621,000	855,000	9,000	0	0	0
Sept.	208,000	993,000	513,000	5,000	0	0	0
Oct.	221,000	683,000	171,000	3,000	0	0	0
Nov.	229,000	730,000	0	2,000	0	0	0
Dec.	249,000	957,000	0	0	0	0	0
Total or average	6,823,000		4,276,000	59,000	3,278,000	466,000	0
1906							
Jan.	851,000	1,206,000	0	0	0	0	0
Feb.	872,000	2,057,000	0	0	323,000	0	0
Mar.	1,646,000	2,606,000	43,000	0	1,374,000	0	0
April	995,000	2,835,000	214,000	7,000	190,000	479,000	0
May	817,000	2,940,000	684,000	10,000	0	123,000	0
June	756,000	2,940,000	855,000	12,000	0	44,000	0
July	362,000	2,785,000	941,000	14,000	0	0	0
Aug.	280,000	2,192,000	855,000	11,000	0	0	0
Sept.	247,000	1,606,000	513,000	7,000	0	0	0
Oct.	251,000	1,333,000	171,000	5,000	0	0	0
Nov.	256,000	1,408,000	0	3,000	0	0	0
Dec.	648,000	1,661,000	0	0	0	0	0
Total or average	7,981,000		4,276,000	69,000	1,887,000	646,000	0
1907							
Jan.	936,000	2,309,000	0	0	757,000	0	0
Feb.	1,636,000	2,488,000	0	0	1,594,000	0	0
Mar.	2,115,000	2,530,000	43,000	0	1,784,000	0	0
April	1,250,000	2,818,000	214,000	7,000	250,000	657,000	0
May	646,000	2,940,000	684,000	10,000	0	8,000	0
June	421,000	2,844,000	855,000	12,000	0	0	0
July	334,000	2,438,000	941,000	13,000	0	0	0
Aug.	291,000	1,818,000	855,000	10,000	0	0	0
Sept.	252,000	1,244,000	513,000	6,000	0	0	0
Oct.	261,000	977,000	171,000	4,000	0	0	0
Nov.	256,000	1,063,000	0	3,000	0	0	0
Dec.	479,000	1,316,000	0	0	0	0	0
Total or average	8,877,000		4,276,000	65,000	4,385,000	665,000	0

RESERVOIR ON SACRAMENTO RIVER.

OPERATING PRIMARILY FOR IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 3, page 112.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.

Flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season
Maximum controlled flow at Red Bluff 125,000 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Year and month
1,745,000	0	0	0	0	0	1904
2,218,000	0	0	1,474,000	0	0	Jan.
2,486,000	43,000	0	2,834,000	0	0	Feb.
2,486,000	214,000	7,000	326,000	466,000	0	Mar.
2,940,000	684,000	10,000	0	220,000	0	April
2,940,000	855,000	12,000	0	0	0	May
2,578,000	941,000	13,000	0	0	0	June
2,001,000	855,000	10,000	0	0	0	July
1,418,000	513,000	6,000	0	0	0	Aug.
1,170,000	171,000	4,000	0	0	0	Sept.
1,486,000	0	3,000	0	0	0	Oct.
1,862,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	65,000	4,634,000	686,000	0	Total or average
2,462,000	0	0	1,347,000	0	0	1905
2,486,000	0	0	1,027,000	0	0	Jan.
2,486,000	43,000	0	1,292,000	0	0	Feb.
2,486,000	214,000	7,000	196,000	0	0	Mar.
2,822,000	684,000	10,000	0	0	0	April
2,688,000	855,000	10,000	0	0	0	May
2,187,000	941,000	12,000	0	0	0	June
1,503,000	855,000	8,000	0	0	0	July
876,000	513,000	4,000	0	0	0	Aug.
567,000	171,000	3,000	0	0	0	Sept.
614,000	0	2,000	0	0	0	Oct.
841,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	57,000	3,862,000	0	0	Total or average
1,090,000	0	0	0	0	0	1906
1,941,000	0	0	327,000	0	0	Jan.
2,486,000	43,000	0	1,579,000	0	0	Feb.
2,510,000	214,000	7,000	347,000	0	0	Mar.
2,937,000	684,000	10,000	0	120,000	0	April
2,940,000	855,000	12,000	0	44,000	0	May
2,785,000	941,000	14,000	0	0	0	June
2,192,000	855,000	11,000	0	0	0	July
1,606,000	513,000	7,000	0	0	0	Aug.
1,333,000	171,000	5,000	0	0	0	Sept.
1,408,000	0	3,000	0	0	0	Oct.
1,661,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	69,000	2,253,000	164,000	0	Total or average
2,309,000	0	0	759,000	0	0	1907
2,486,000	0	0	1,636,000	0	0	Jan.
2,486,000	43,000	0	2,072,000	0	0	Feb.
2,486,000	214,000	7,000	325,000	250,000	0	Mar.
2,940,000	684,000	10,000	0	8,000	0	April
2,884,000	855,000	12,000	0	0	0	May
2,438,000	941,000	13,000	0	0	0	June
1,818,000	855,000	10,000	0	0	0	July
1,244,000	513,000	6,000	0	0	0	Aug.
977,000	171,000	4,000	0	0	0	Sept.
1,063,000	0	3,000	0	0	0	Oct.
1,316,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	65,000	4,792,000	258,000	0	Total or average

TABLE 3a (Continued). KENNETT
COMPARISON OF WATER YIELD
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.					
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet
1908							
Jan.	904,000	1,795,000	0	0	44,000	0	0
Feb.	970,000	2,655,000	0	0	1,073,000	0	0
Mar.	669,000	2,552,000	43,000	0	284,000	0	0
April	527,000	2,894,000	214,000	7,000	0	260,000	0
May	492,000	2,940,000	684,000	10,000	0	0	0
June	340,000	2,738,000	855,000	11,000	0	0	0
July	260,000	2,212,000	941,000	12,000	0	0	0
Aug.	229,000	1,519,000	855,000	8,000	0	0	0
Sept.	205,000	885,000	513,000	5,000	0	0	0
Oct.	235,000	572,000	171,000	3,000	0	0	0
Nov.	257,000	633,000	0	2,000	0	0	0
Dec.	267,000	888,000	0	0	0	0	0
Total or average	5,355,000		4,276,000	58,000	1,401,000	260,000	0
1909							
Jan.	3,260,000	1,155,000	0	0	1,909,000	0	0
Feb.	2,526,000	2,506,000	0	0	2,407,000	0	0
Mar.	977,000	2,625,000	43,000	0	650,000	0	0
April	756,000	2,909,000	214,000	7,000	35,000	469,000	0
May	581,000	2,940,000	684,000	10,000	0	5,000	0
June	410,000	2,822,000	855,000	11,000	0	0	0
July	308,000	2,366,000	941,000	12,000	0	0	0
Aug.	264,000	1,721,000	855,000	9,000	0	0	0
Sept.	246,000	1,121,000	513,000	5,000	0	0	0
Oct.	284,000	849,000	171,000	3,000	0	0	0
Nov.	538,000	959,000	0	2,000	0	0	0
Dec.	721,000	1,495,000	0	0	0	0	0
Total or average	10,871,000		4,276,000	59,000	5,001,000	474,000	0
1910							
Jan.	708,000	2,216,000	0	0	280,000	0	0
Feb.	847,000	2,644,000	0	0	717,000	0	0
Mar.	1,239,000	2,774,000	43,000	0	589,000	441,000	0
April	665,000	2,940,000	214,000	7,000	0	444,000	0
May	415,000	2,940,000	684,000	10,000	0	0	0
June	282,000	2,661,000	855,000	11,000	0	0	0
July	254,000	2,077,000	941,000	11,000	0	0	0
Aug.	236,000	1,379,000	855,000	8,000	0	0	0
Sept.	214,000	752,000	513,000	4,000	0	0	0
Oct.	231,000	449,000	171,000	2,000	0	0	0
Nov.	274,000	507,000	0	2,000	0	0	0
Dec.	436,000	779,000	0	0	0	0	0
Total or average	5,801,000		4,276,000	55,000	1,586,000	885,000	0
1911							
Jan.	700,000	1,215,000	0	0	0	0	0
Feb.	848,000	1,915,000	0	0	172,000	0	0
Mar.	1,278,000	2,591,000	43,000	0	1,013,000	0	0
April	962,000	2,813,000	214,000	7,000	172,000	442,000	0
May	671,000	2,940,000	684,000	10,000	0	13,000	0
June	431,000	2,904,000	855,000	12,000	0	0	0
July	287,000	2,468,000	941,000	13,000	0	0	0
Aug.	244,000	1,801,000	855,000	10,000	0	0	0
Sept.	231,000	1,180,000	513,000	6,000	0	0	0
Oct.	246,000	832,000	171,000	3,000	0	0	0
Nov.	241,000	964,000	0	2,000	0	0	0
Dec.	244,000	1,203,000	0	0	0	0	0
Total or average	6,383,000		4,276,000	63,000	1,357,000	455,000	0

RESERVOIR ON SACRAMENTO RIVER.
OPERATING PRIMARILY FOR IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 3, page 112.)

Seasona irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.

Flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season
Maximum controlled flow at Red Bluff 125,000 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Year and month
						1908
1,795,000	0	0	213,000	0	0	Jan.
2,486,000	0	0	970,000	0	0	Feb.
2,486,000	43,000	0	626,000	0	0	Mar.
2,486,000	214,000	7,000	58,000	0	0	April
2,734,000	684,000	10,000	0	0	0	May
2,532,000	855,000	11,000	0	0	0	June
2,006,000	941,000	11,000	0	0	0	July
1,314,000	855,000	8,000	0	0	0	Aug.
680,000	513,000	4,000	0	0	0	Sept.
368,000	171,000	2,000	0	0	0	Oct.
430,000	0	1,000	0	0	0	Nov.
686,000	0	0	0	0	0	Dec.
	4,276,000	54,000	1,867,000	0	0	Total or average
						1909
953,000	0	0	1,727,000	0	0	Jan.
2,486,000	0	0	2,526,000	0	0	Feb.
2,486,000	43,000	0	934,000	0	0	Mar.
2,486,000	214,000	7,000	144,000	0	0	April
2,877,000	684,000	10,000	0	0	0	May
2,764,000	855,000	11,000	0	0	0	June
2,308,000	941,000	12,000	0	0	0	July
1,663,000	855,000	9,000	0	0	0	Aug.
1,063,000	513,000	5,000	0	0	0	Sept.
791,000	171,000	3,000	0	0	0	Oct.
901,000	0	2,000	0	0	0	Nov.
1,437,000	0	0	0	0	0	Dec.
	4,276,000	59,000	5,331,000	0	0	Total or average
						1910
2,158,000	0	0	380,000	0	0	Jan.
2,486,000	0	0	847,000	0	0	Feb.
2,486,000	43,000	0	1,195,000	0	0	Mar.
2,486,000	214,000	7,000	133,000	0	0	April
2,797,000	684,000	10,000	0	0	0	May
2,518,000	855,000	11,000	0	0	0	June
1,934,000	941,000	11,000	0	0	0	July
1,236,000	855,000	7,000	0	0	0	Aug.
610,000	513,000	4,000	0	0	0	Sept.
307,000	171,000	2,000	0	0	0	Oct.
365,000	0	1,000	0	0	0	Nov.
638,000	0	0	0	0	0	Dec.
	4,276,000	53,000	2,556,000	0	0	Total or average
						1911
1,074,000	0	0	0	0	0	Jan.
1,774,000	0	0	136,000	0	0	Feb.
2,486,000	43,000	0	1,235,000	0	0	Mar.
2,486,000	214,000	7,000	263,000	24,000	0	April
2,940,000	684,000	10,000	0	13,000	0	May
2,904,000	855,000	12,000	0	0	0	June
2,468,000	941,000	13,000	0	0	0	July
1,801,000	855,000	10,000	0	0	0	Aug.
1,180,000	513,000	6,000	0	0	0	Sept.
892,000	171,000	3,000	0	0	0	Oct.
964,000	0	2,000	0	0	0	Nov.
1,203,000	0	0	0	0	0	Dec.
	4,276,000	63,000	1,634,000	37,000	0	Total or average

TABLE 3a (Continued). KENNETT
COMPARISON OF WATER YIELD
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.					
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet
1912							
Jan.	517,000	1,447,000	0	0	0	0	0
Feb.	396,000	1,964,000	0	0	0	0	0
Mar.	635,000	2,360,000	43,000	0	0	12,000	0
April	487,000	2,940,000	214,000	7,000	0	266,000	0
May	714,000	2,940,000	684,000	10,000	0	58,000	0
June	405,000	2,902,000	855,000	12,000	0	0	0
July	274,000	2,440,000	941,000	13,000	0	0	0
Aug.	238,000	1,760,000	855,000	9,000	0	0	0
Sept.	242,000	1,134,000	513,000	5,000	0	0	0
Oct.	226,000	858,000	171,000	3,000	0	0	0
Nov.	432,000	910,000	0	2,000	0	0	0
Dec.	369,000	1,340,000	0	0	0	0	0
Total or average	4,935,000		4,276,000	61,000	0	336,000	0
1913							
Jan.	763,000	1,709,000	0	0	0	0	0
Feb.	387,000	2,472,000	0	0	135,000	0	0
Mar.	441,000	2,724,000	43,000	0	37,000	145,000	0
April	685,000	2,940,000	214,000	7,000	0	464,000	0
May	521,000	2,940,000	684,000	10,000	0	0	0
June	321,000	2,767,000	855,000	11,000	0	0	0
July	263,000	2,222,000	941,000	12,000	0	0	0
Aug.	232,000	1,532,000	855,000	8,000	0	0	0
Sept.	190,000	901,000	513,000	5,000	0	0	0
Oct.	202,000	573,000	171,000	3,000	0	0	0
Nov.	316,000	601,000	0	2,000	0	0	0
Dec.	696,000	915,000	0	0	0	0	0
Total or average	5,017,000		4,276,000	58,000	172,000	609,000	0
1914							
Jan.	2,797,000	1,611,000	0	0	1,629,000	0	0
Feb.	1,359,000	2,779,000	0	0	1,364,000	0	0
Mar.	987,000	2,774,000	43,000	0	820,000	0	0
April	1,137,000	2,898,000	214,000	7,000	30,000	844,000	0
May	703,000	2,940,000	684,000	10,000	0	37,000	0
June	452,000	2,912,000	855,000	12,000	0	0	0
July	309,000	2,497,000	941,000	13,000	0	0	0
Aug.	248,000	1,852,000	855,000	10,000	0	0	0
Sept.	225,000	1,235,000	513,000	6,000	0	0	0
Oct.	269,000	941,000	171,000	4,000	0	0	0
Nov.	252,000	1,035,000	0	3,000	0	0	0
Dec.	347,000	1,284,000	0	0	0	0	0
Total or average	9,085,000		4,276,000	65,000	5,843,000	881,000	0
1915							
Jan.	895,000	1,631,000	0	0	38,000	0	0
Feb.	2,298,000	2,488,000	0	0	2,095,000	0	0
Mar.	1,264,000	2,691,000	43,000	0	985,000	0	0
April	1,159,000	2,927,000	214,000	7,000	47,000	878,000	0
May	1,256,000	2,940,000	684,000	10,000	0	562,000	0
June	572,000	2,940,000	855,000	12,000	0	0	0
July	343,000	2,645,000	941,000	14,000	0	0	0
Aug.	266,000	2,033,000	855,000	10,000	0	0	0
Sept.	215,000	1,434,000	513,000	6,000	0	0	0
Oct.	233,000	1,130,000	171,000	4,000	0	0	0
Nov.	254,000	1,188,000	0	3,000	0	0	0
Dec.	699,000	1,439,000	0	0	0	0	0
Total or average	9,454,000		4,276,000	66,000	3,165,000	1,440,000	0

RESERVOIR ON SACRAMENTO RIVER.

OPERATING PRIMARILY FOR IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 3, page 112.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.

Flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season
Maximum controlled flow at Red Bluff 125,000 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Year and month
1,447,000	0	0	0	0	0	1912
1,964,000	0	0	0	0	0	Jan.
2,360,000	43,000	0	466,000	0	0	Feb.
2,486,000	214,000	7,000	45,000	0	0	Mar.
2,707,000	684,000	10,000	0	0	0	April
2,727,000	855,000	11,000	0	0	0	May
2,266,000	941,000	12,000	0	0	0	June
1,587,000	855,000	9,000	0	0	0	July
961,000	513,000	5,000	0	0	0	Aug.
685,000	171,000	3,000	0	0	0	Sept.
737,000	0	2,000	0	0	0	Oct.
1,167,000	0	0	0	0	0	Nov.
						Dec.
	4,275,000	59,000	511,000	0	0	Total or average
1,536,000	0	0	0	0	0	1913
2,299,000	0	0	200,000	0	0	Jan.
2,486,000	43,000	0	398,000	0	0	Feb.
2,486,000	214,000	7,000	136,000	0	0	Mar.
2,814,000	684,000	10,000	0	0	0	April
2,641,000	855,000	11,000	0	0	0	May
2,096,000	941,000	11,000	0	0	0	June
1,407,000	855,000	8,000	0	0	0	July
776,000	513,000	4,000	0	0	0	Aug.
449,000	171,000	2,000	0	0	0	Sept.
478,000	0	2,000	0	0	0	Oct.
792,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	55,000	734,000	0	0	Total or average
1,488,000	0	0	1,799,000	0	0	1914
2,486,000	0	0	1,359,000	0	0	Jan.
2,486,000	43,000	0	944,000	0	0	Feb.
2,486,000	214,000	7,000	235,000	227,000	0	Mar.
2,940,000	684,000	10,000	0	37,000	0	April
2,912,000	855,000	12,000	0	0	0	May
2,497,000	941,000	13,000	0	0	0	June
1,852,000	855,000	10,000	0	0	0	July
1,235,000	513,000	6,000	0	0	0	Aug.
941,000	171,000	4,000	0	0	0	Sept.
1,035,000	0	3,000	0	0	0	Oct.
1,284,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	65,000	4,337,000	264,000	0	Total or average
1,631,000	0	0	40,000	0	0	1915
2,486,000	0	0	2,298,000	0	0	Jan.
2,486,000	43,000	0	1,221,000	0	0	Feb.
2,486,000	214,000	7,000	335,000	149,000	0	Mar.
2,940,000	684,000	10,000	0	562,000	0	April
2,940,000	855,000	12,000	0	0	0	May
2,645,000	941,000	14,000	0	0	0	June
2,033,000	855,000	10,000	0	0	0	July
1,434,000	513,000	6,000	0	0	0	Aug.
1,130,000	171,000	4,000	0	0	0	Sept.
1,188,000	0	3,000	0	0	0	Oct.
1,439,000	0	0	0	0	0	Nov.
						Dec.
	4,276,000	66,000	3,894,000	711,000	0	Total or average

TABLE 3a (Continued). KENNETT
COMPARISON OF WATER YIELD
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.					
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior right(s))	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet
1916							
Jan.	1,166,000	2,138,000	0	0	812,000	0	0
Feb.	1,616,000	2,492,000	0	0	1,566,000	0	0
Mar.	1,215,000	2,542,000	43,000	0	836,000	0	0
April	678,000	2,878,000	214,000	7,000	9,000	386,000	0
May	485,000	2,940,000	684,000	10,000	0	0	0
June	353,000	2,731,000	855,000	11,000	0	0	0
July	316,000	2,218,000	941,000	12,000	0	0	0
Aug.	244,000	1,581,000	855,000	9,000	0	0	0
Sept.	213,000	961,000	513,000	5,000	0	0	0
Oct.	236,000	656,000	171,000	3,000	0	0	0
Nov.	242,000	718,000	0	2,000	0	0	0
Dec.	363,000	958,000	0	0	0	0	0
Total or average	7,127,000		4,276,000	59,000	3,223,000	386,000	0
1917							
Jan.	312,000	1,321,000	0	0	0	0	0
Feb.	760,000	1,633,000	0	0	0	0	0
Mar.	459,000	2,393,000	43,000	0	0	0	0
April	906,000	2,809,000	214,000	7,000	0	554,000	0
May	580,000	2,940,000	684,000	10,000	0	5,000	0
June	329,000	2,821,000	855,000	11,000	0	0	0
July	238,000	2,284,000	941,000	12,000	0	0	0
Aug.	214,000	1,569,000	855,000	9,000	0	0	0
Sept.	187,000	919,000	513,000	5,000	0	0	0
Oct.	200,000	586,000	171,000	3,000	0	0	0
Nov.	224,000	612,000	0	2,000	0	0	0
Dec.	298,000	834,000	0	0	0	0	0
Total or average	4,705,000		4,276,000	59,000	0	559,000	0
1918							
Jan.	249,000	1,132,000	0	0	0	0	0
Feb.	399,000	1,381,000	0	0	0	0	0
Mar.	772,000	1,780,000	43,000	0	0	0	0
April	556,000	2,509,000	214,000	7,000	0	0	0
May	314,000	2,844,000	684,000	10,000	0	0	0
June	232,000	2,464,000	855,000	11,000	0	0	0
July	200,000	1,830,000	941,000	10,000	0	0	0
Aug.	192,000	1,079,000	855,000	7,000	0	0	0
Sept.	186,000	409,000	513,000	3,000	0	0	0
Oct.	258,000	79,000	171,000	1,000	0	0	0
Nov.	246,000	165,000	0	1,000	0	0	0
Dec.	258,000	410,000	0	0	0	0	0
Total or average	3,862,000		4,276,000	50,000	0	0	0
1919							
Jan.	587,000	668,000	0	0	0	0	0
Feb.	1,163,000	1,255,000	0	0	0	0	0
Mar.	959,000	2,418,000	43,000	0	509,000	0	0
April	752,000	2,825,000	214,000	7,000	82,000	334,000	0
May	438,000	2,940,000	684,000	10,000	0	0	0
June	252,000	2,684,000	855,000	11,000	0	0	0
July	219,000	2,070,000	941,000	11,000	0	0	0
Aug.	199,000	1,337,000	855,000	8,000	0	0	0
Sept.	168,000	673,000	513,000	4,000	0	0	0
Oct.	203,000	324,000	171,000	2,000	0	0	0
Nov.	186,000	354,000	0	1,000	0	0	0
Dec.	180,000	539,000	0	0	0	0	0
Total or average	5,306,000		4,276,000	54,000	591,000	334,000	0

TABLE 3a (Continued). KENNETT
COMPARISON OF WATER YIELD
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.					
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet
1900							
Jan.	1,299,000	1,372,000	0	0	181,000	0	0
Feb.	391,000	2,490,000	0	0	302,000	0	0
Mar.	912,000	2,579,000	43,000	0	570,000	0	0
April	457,000	2,878,000	214,000	7,000	0	174,000	0
May	413,000	2,940,000	684,000	10,000	0	0	0
June	247,000	2,659,000	855,000	11,000	0	0	0
July	219,000	2,040,000	941,000	11,000	0	0	0
Aug.	208,000	1,307,000	855,000	8,000	0	0	0
Sept.	201,000	652,000	513,000	4,000	0	0	0
Oct.	308,000	336,000	171,000	2,000	0	0	0
Nov.	368,000	471,000	0	2,000	0	0	0
Dec.	697,000	837,000	0	0	0	0	0
Total or average	5,720,000		4,276,000	55,000	1,053,000	174,000	0
1901							
Jan.	895,000	1,534,000	0	0	0	0	0
Feb.	1,304,000	2,429,000	0	0	1,192,000	0	0
Mar.	749,000	2,541,000	43,000	0	443,000	0	0
April	382,000	2,804,000	214,000	7,000	0	25,000	0
May	411,000	2,940,000	684,000	10,000	0	0	0
June	240,000	2,657,000	855,000	11,000	0	0	0
July	218,000	2,031,000	941,000	11,000	0	0	0
Aug.	206,000	1,297,000	855,000	8,000	0	0	0
Sept.	200,000	640,000	513,000	4,000	0	0	0
Oct.	215,000	323,000	171,000	2,000	0	0	0
Nov.	354,000	365,000	0	1,000	0	0	0
Dec.	550,000	718,000	0	0	0	0	0
Total or average	5,724,000		4,276,000	54,000	1,635,000	25,000	0
1902							
Jan.	227,000	1,268,000	0	0	0	0	0
Feb.	2,782,000	1,495,000	0	0	1,711,000	0	0
Mar.	1,115,000	2,566,000	43,000	0	796,000	0	0
April	891,000	2,812,000	214,000	7,000	0	572,000	0
May	765,000	2,940,000	684,000	10,000	0	105,000	0
June	407,000	2,906,000	855,000	12,000	0	0	0
July	254,000	2,446,000	941,000	13,000	0	0	0
Aug.	234,000	1,746,000	855,000	9,000	0	0	0
Sept.	184,000	1,116,000	513,000	5,000	0	0	0
Oct.	235,000	782,000	171,000	3,000	0	0	0
Nov.	829,000	843,000	0	2,000	0	0	0
Dec.	762,000	1,670,000	0	0	0	0	0
Total or average	8,685,000		4,276,000	61,000	2,507,000	677,000	0
1903							
Jan.	1,113,000	2,432,000	0	0	1,056,000	0	0
Feb.	633,000	2,489,000	0	0	574,000	0	0
Mar.	1,339,000	2,548,000	43,000	0	1,032,000	0	0
April	765,000	2,812,000	214,000	7,000	111,000	305,000	0
May	458,000	2,940,000	684,000	10,000	0	0	0
June	278,000	2,704,000	855,000	11,000	0	0	0
July	231,000	2,116,000	941,000	11,000	0	0	0
Aug.	204,000	1,395,000	855,000	8,000	0	0	0
Sept.	174,000	736,000	513,000	4,000	0	0	0
Oct.	199,000	393,000	171,000	2,000	0	0	0
Nov.	924,000	419,000	0	1,000	0	0	0
Dec.	530,000	1,342,000	0	0	0	0	0
Total or average	6,848,000		4,276,000	54,000	2,773,000	305,000	0

TABLE 3a (Continued). KENNETT
COMPARISON OF WATER YIELD
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.					
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet
1920							
Jan.	207,000	719,000	0	0	0	0	0
Feb.	176,000	926,000	0	0	0	0	0
Mar.	372,000	1,102,000	43,000	0	0	0	0
April	493,000	1,431,000	214,000	5,000	0	0	0
May	286,000	1,705,000	684,000	7,000	0	0	0
June	216,000	1,300,000	855,000	7,000	0	0	0
July	192,000	654,000	841,000	5,000	0	0	100,000
Aug.	176,000	0	176,000	0	0	0	679,000
Sept.	140,000	0	140,000	0	0	0	373,000
Oct.	180,000	0	168,000	0	0	0	3,000
Nov.	896,000	12,000	0	0	0	0	0
Dec.	1,121,000	908,000	0	0	0	0	0
Total or average	4,455,000		3,121,000	24,000	0	0	1,155,000
1921							
Jan.	1,492,000	2,029,000	0	0	868,000	0	0
Feb.	1,035,000	2,653,000	0	0	1,126,000	0	0
Mar.	982,000	2,562,000	43,000	0	679,000	0	0
April	559,000	2,822,000	214,000	7,000	9,000	211,000	0
May	493,000	2,940,000	684,000	10,000	0	0	0
June	316,000	2,739,000	855,000	11,000	0	0	0
July	220,000	2,189,000	941,000	12,000	0	0	0
Aug.	192,000	1,456,000	855,000	8,000	0	0	0
Sept.	175,000	785,000	513,000	4,000	0	0	0
Oct.	196,000	443,000	171,000	2,000	0	0	0
Nov.	205,000	466,000	0	2,000	0	0	0
Dec.	390,000	669,000	0	0	0	0	0
Total or average	6,255,000		4,276,000	56,000	2,682,000	211,000	0
1922							
Jan.	300,000	1,059,000	0	0	0	0	0
Feb.	679,000	1,359,000	0	0	0	0	0
Mar.	567,000	2,088,000	43,000	0	0	0	0
April	604,000	2,562,000	214,000	7,000	0	5,000	0
May	577,000	2,940,000	684,000	10,000	0	0	0
June	317,000	2,823,000	855,000	11,000	0	0	0
July	203,000	2,274,000	941,000	12,000	0	0	0
Aug.	182,000	1,524,000	855,000	8,000	0	0	0
Sept.	161,000	843,000	513,000	4,000	0	0	0
Oct.	208,000	487,000	171,000	2,000	0	0	0
Nov.	244,000	522,000	0	2,000	0	0	0
Dec.	462,000	764,000	0	0	0	0	0
Total or average	4,504,000		4,276,000	56,000	0	5,000	0
1923							
Jan.	467,000	1,226,000	0	0	0	0	0
Feb.	297,000	1,693,000	0	0	0	0	0
Mar.	287,000	1,990,000	43,000	0	0	0	0
April	632,000	2,234,000	214,000	6,000	0	0	0
May	322,000	2,646,000	684,000	10,000	0	0	0
June	236,000	2,274,000	855,000	10,000	0	0	0
July	184,000	1,645,000	941,000	10,000	0	0	0
Aug.	165,000	878,000	855,000	6,000	0	0	0
Sept.	157,000	182,000	338,000	1,000	0	0	175,000
Oct.	187,000	0	171,000	0	0	0	0
Nov.	176,000	16,000	0	0	0	0	0
Dec.	184,000	192,000	0	0	0	0	0
Total or average	3,294,000		4,101,000	43,000	0	0	175,000

RESERVOIR ON SACRAMENTO RIVER.

OPERATING PRIMARILY FOR IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.
mary, see Table 3, page 112.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.

Flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season
Maximum controlled flow at Red Bluff 125,000 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Year and month
						1920
622,000	0	0	0	0	0	Jan.
829,000	0	0	0	0	0	Feb.
1,005,000	43,000	0	0	0	0	Mar.
1,334,000	214,000	4,000	0	0	0	April
1,609,000	684,000	7,000	0	0	0	May
1,204,000	855,000	6,000	0	0	0	June
559,000	746,000	5,000	0	0	195,000	July
0	176,000	0	0	0	679,000	Aug.
0	140,000	0	0	0	373,000	Sept.
0	168,000	0	0	0	3,000	Oct.
12,000	0	0	0	0	0	Nov.
908,000	0	0	0	0	0	Dec.
						Total or average
	3,026,000	22,000	0	0	1,250,000	
						1921
2,029,000	0	0	1,035,000	0	0	Jan.
2,486,000	0	0	1,035,000	0	0	Feb.
2,486,000	43,000	0	939,000	0	0	Mar.
2,486,000	214,000	7,000	110,000	0	0	April
2,714,000	684,000	10,000	0	0	0	May
2,513,000	855,000	11,000	0	0	0	June
1,963,000	941,000	11,000	0	0	0	July
1,231,000	855,000	7,000	0	0	0	Aug.
561,000	513,000	3,000	0	0	0	Sept.
220,000	171,000	1,000	0	0	0	Oct.
244,000	0	1,000	0	0	0	Nov.
448,000	0	0	0	0	0	Dec.
						Total or average
	4,276,000	51,000	3,119,000	0	0	
						1922
838,000	0	0	0	0	0	Jan.
1,138,000	0	0	0	0	0	Feb.
1,817,000	43,000	0	0	0	0	Mar.
2,341,000	214,000	6,000	2,000	0	0	April
2,723,000	684,000	10,000	0	0	0	May
2,606,000	855,000	11,000	0	0	0	June
2,057,000	941,000	11,000	0	0	0	July
1,308,000	855,000	8,000	0	0	0	Aug.
627,000	513,000	4,000	0	0	0	Sept.
271,000	171,000	2,000	0	0	0	Oct.
306,000	0	1,000	0	0	0	Nov.
549,000	0	0	0	0	0	Dec.
						Total or average
	4,276,000	53,000	2,000	0	0	
						1923
1,011,000	0	0	0	0	0	Jan.
1,478,000	0	0	0	0	0	Feb.
1,775,000	43,000	0	0	0	0	Mar.
2,019,000	214,000	6,000	0	0	0	April
2,431,000	684,000	9,000	0	0	0	May
2,060,000	855,000	9,000	0	0	0	June
1,432,000	941,000	9,000	0	0	0	July
666,000	826,000	5,000	0	0	29,000	Aug.
0	157,000	0	0	0	356,000	Sept.
0	171,000	0	0	0	0	Oct.
16,000	0	0	0	0	0	Nov.
192,000	0	0	0	0	0	Dec.
						Total or average
	3,891,000	38,000	0	0	385,000	

TABLE 3a (Concluded). KENNETT

COMPARISON OF WATER YIELD
FOR

TWO METHODS OF

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.					
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for down-stream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet
1924							
Jan.	203,000	376,000	0	0	0	0	0
Feb.	332,000	579,000	0	0	0	0	0
Mar.	200,000	911,000	43,000	0	0	0	0
April	176,000	1,068,000	214,000	4,000	0	0	0
May	155,000	1,026,000	684,000	5,000	0	0	0
June	141,000	492,000	629,000	4,000	0	0	226,000
July	140,000	0	140,000	0	0	0	801,000
Aug.	140,000	0	140,000	0	0	0	715,000
Sept.	128,000	0	128,000	0	0	0	385,000
Oct.	178,000	0	158,000	0	0	0	13,000
Nov.	317,000	20,000	0	0	0	0	0
Dec.	321,000	337,000	0	0	0	0	0
Total or average	2,431,000		2,136,000	13,000	0	0	2,140,000
1925							
Jan.	301,000	658,000	0	0	0	0	0
Feb.	1,769,000	959,000	0	0	200,000	0	0
Mar.	563,000	2,528,000	43,000	0	232,000	0	0
April	926,000	2,816,000	214,000	7,000	94,000	487,000	0
May	474,000	2,940,000	684,000	10,000	0	0	0
June	276,000	2,720,000	855,000	11,000	0	0	0
July	173,000	2,130,000	941,000	11,000	0	0	0
Aug.	167,000	1,351,000	855,000	8,000	0	0	0
Sept.	163,000	655,000	513,000	4,000	0	0	0
Oct.	181,000	301,000	171,000	2,000	0	0	0
Nov.	192,000	309,000	0	1,000	0	0	0
Dec.	235,000	500,000	0	0	0	0	0
Total or average	5,420,000		4,276,000	54,000	520,000	487,000	0
Total for 30-year period, 1896-1926	188,012,000		124,570,000	1,641,000	49,509,000	13,417,000	3,710,000
Average for 30-year period, 1896-1926	6,267,000		4,152,000	55,000	1,650,000	447,000	124,000

RESERVOIR ON SACRAMENTO RIVER.
OPERATING PRIMARILY FOR IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.
mary, see Table 3, page 112.)

Seasonal irrigation yield (deficiency in supply one year in ten, no deduction for downstream prior rights) 4,276,000 acre-feet.

Flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season
Maximum controlled flow at Red Bluff 125,000 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Year and month
376,000	0	0	0	0	0	1924
579,000	0	0	0	0	0	Jan.
911,000	43,000	0	0	0	0	Feb.
1,068,000	214,000	4,000	0	0	0	Mar.
1,026,000	684,000	5,000	0	0	0	April
492,000	629,000	4,000	0	0	0	May
0	140,000	0	0	0	226,000	June
0	140,000	0	0	0	801,000	July
0	128,000	0	0	0	715,000	Aug.
0	158,000	0	0	0	385,000	Sept.
20,000	0	0	0	0	13,000	Oct.
337,000	0	0	0	0	0	Nov.
					0	Dec.
	2,136,000	13,000	0	0	2,140,000	Total or average
658,000	0	0	0	0	0	1925
959,000	0	0	242,000	0	0	Jan.
2,486,000	43,000	0	520,000	0	0	Feb.
2,486,000	214,000	7,000	197,000	54,000	0	Mar.
2,940,000	684,000	10,000	0	0	0	April
2,720,000	855,000	11,000	0	0	0	May
2,130,000	941,000	11,000	0	0	0	June
1,351,000	855,000	8,000	0	0	0	July
655,000	513,000	4,000	0	0	0	Aug.
301,000	171,000	2,000	0	0	0	Sept.
309,000	0	1,000	0	0	0	Oct.
500,000	0	0	0	0	0	Nov.
					0	Dec.
	4,276,000	54,000	959,000	54,000	0	Total or average
	124,224,000	1,582,000	60,257,000	3,074,000	4,056,000	Total for 30-year period, 1896-1926
	4,141,000	53,000	2,009,000	102,000	135,000	Average for 30-year period, 1896-1926

TABLE 4a. KENNETT RESER
COMPARISON OF WATER AND POWER YIELD, OPERATING PRI
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.									
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)		
			Primary	Second-ary					*Primary	Second-ary	Total
1896											
Jan.	1,980,000	2,256,000	242,000	118,000	0	1,367,000	0	383	97,400	47,200	144,600
Feb.	474,000	2,509,000	231,000	51,000	0	50,000	0	396	98,400	22,300	120,700
Mar.	738,000	2,651,000	247,000	49,000	0	0	153,000	405	104,200	20,400	124,600
April	891,000	2,940,000	249,000	231,000	7,000	0	404,000	408	109,000	101,000	210,000
May	1,194,000	2,940,000	279,000	219,000	10,000	0	686,000	407	117,500	92,500	210,000
June	536,000	2,940,000	283,000	196,000	12,000	0	80,000	410	124,200	85,800	210,000
July	313,000	2,905,000	238,000	151,000	14,000	0	0	407	125,400	63,700	189,100
Aug.	268,000	2,755,000	304,000	102,000	13,000	0	0	400	126,700	42,500	169,200
Sept.	258,000	2,604,000	282,000	101,000	10,000	0	0	394	120,000	42,800	162,800
Oct.	262,000	2,469,000	278,000	75,000	7,000	0	0	388	113,400	30,500	143,900
Nov.	472,000	2,371,000	264,000	161,000	5,000	0	0	385	110,300	65,800	177,100
Dec.	920,000	2,413,000	268,000	247,000	0	223,000	0	390	109,400	100,600	210,000
Total or average	8,306,000		3,225,000	1,701,000	78,000	1,640,000	1,323,000	398	113,000	59,700	172,700
1897											
Jan.	577,000	2,595,000	238,000	174,000	0	252,000	0	392	97,400	71,000	168,400
Feb.	1,338,000	2,508,000	228,000	242,000	0	846,000	0	385	101,900	108,100	210,000
Mar.	737,000	2,530,000	251,000	130,000	0	75,000	0	398	104,200	53,200	157,400
April	858,000	2,811,000	249,000	186,000	7,000	2,000	285,000	408	103,000	81,400	190,400
May	551,000	2,940,000	276,000	195,000	10,000	0	73,000	411	117,500	82,500	200,000
June	310,000	2,940,000	283,000	73,000	12,000	0	0	410	124,200	32,100	156,300
July	275,000	2,882,000	298,000	90,000	14,000	0	0	407	125,400	37,900	163,300
Aug.	251,000	2,755,000	505,000	87,000	13,000	0	0	400	126,700	35,200	162,900
Sept.	247,000	2,604,000	282,000	90,000	10,000	0	0	394	120,000	33,200	158,200
Oct.	262,000	2,469,000	278,000	75,000	7,000	0	0	388	113,400	30,500	143,900
Nov.	274,000	2,371,000	265,000	97,000	5,000	0	0	382	110,300	40,300	150,600
Dec.	366,000	2,278,000	274,000	113,000	0	0	0	380	109,400	45,200	154,600
Total or average	6,052,000		3,227,000	1,552,000	78,000	1,175,000	358,000	396	113,400	54,300	167,700
1898											
Jan.	257,000	2,257,000	243,000	0	0	0	0	380	97,400	0	97,400
Feb.	478,000	2,271,000	226,000	0	0	0	0	388	101,900	0	101,900
Mar.	380,000	2,523,000	248,000	0	0	0	0	397	104,200	0	104,200
April	274,000	2,655,000	253,000	0	7,000	0	0	400	109,000	0	109,000
May	300,000	2,669,000	281,000	0	10,000	0	0	401	117,500	0	117,500
June	304,000	2,678,000	287,000	0	11,000	0	0	401	124,200	0	124,200
July	237,000	2,684,000	301,000	0	14,000	0	0	400	125,400	0	125,400
Aug.	225,000	2,606,000	307,000	0	12,000	0	0	396	126,700	0	126,700
Sept.	198,000	2,512,000	284,000	0	9,000	0	0	390	120,000	0	120,000
Oct.	221,000	2,417,000	279,000	0	7,000	0	0	386	113,400	0	113,400
Nov.	217,000	2,352,000	265,000	21,000	5,000	0	0	383	110,300	8,800	119,100
Dec.	217,000	2,278,000	274,000	0	0	0	0	380	109,400	0	109,400
Total or average	3,308,000		3,248,000	21,000	75,000	0	0	392	113,400	700	114,100

*Total primary power production in February of leap years taken the same as in other years.

VOIR ON SACRAMENTO RIVER.

MARILY FOR POWER GENERATION WITH INCIDENTAL IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 4, page 114.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.										Year and month
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evapora- tion in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Second- ary					*Primary	Second- ary	Total	
2,075,000	238,000	132,000	0	1,199,000	0	374	94,100	52,300	146,400	1896 Jan.
2,486,000	226,000	182,000	0	66,000	0	390	95,100	79,300	174,400	Feb.
2,486,000	246,000	225,000	0	267,000	0	389	100,500	91,400	191,900	Mar.
2,486,000	245,000	115,000	7,000	70,000	0	398	105,300	49,000	154,300	April
2,940,000	268,000	228,000	10,000	0	688,000	408	113,300	96,700	210,000	May
2,940,000	274,000	205,000	12,000	0	80,000	411	119,700	90,300	210,000	June
2,905,000	287,000	212,000	14,000	0	0	407	121,100	88,900	210,000	July
2,705,000	296,000	198,000	13,000	0	0	395	122,300	81,600	203,900	Aug.
2,466,000	277,000	100,000	9,000	0	0	386	115,800	41,800	157,600	Sept.
2,338,000	272,000	75,000	7,000	0	0	382	109,500	30,100	139,600	Oct.
2,245,000	258,000	170,000	4,000	0	0	378	106,500	69,700	176,200	Nov.
2,286,000	262,000	260,000	0	198,000	0	383	105,600	104,400	210,000	Dec.
	3,149,000	2,102,000	76,000	1,800,000	768,000	392	109,100	73,000	182,100	Total or average
2,486,000	230,000	205,000	0	142,000	0	390	94,100	83,300	177,400	1897 Jan.
2,486,000	220,000	250,000	0	868,000	0	384	98,500	111,500	210,000	Feb.
2,486,000	247,000	264,000	0	226,000	0	388	100,500	107,000	207,500	Mar.
2,486,000	245,000	156,000	7,000	70,000	0	398	105,300	65,500	171,800	April
2,896,000	267,000	228,000	10,000	0	0	410	113,300	96,700	210,000	May
2,915,000	275,000	208,000	12,000	0	0	406	119,700	90,300	210,000	June
2,730,000	291,000	90,000	14,000	0	0	400	121,100	37,600	158,700	July
2,610,000	298,000	88,000	12,000	0	0	394	122,300	36,200	158,500	Aug.
2,466,000	277,000	89,000	9,000	0	0	386	115,800	37,200	153,000	Sept.
2,338,000	272,000	75,000	7,000	0	0	382	109,500	30,100	139,600	Oct.
2,246,000	259,000	98,000	4,000	0	0	377	106,500	40,300	146,800	Nov.
2,159,000	268,000	182,000	0	0	0	372	105,600	71,500	177,100	Dec.
	3,149,000	1,933,000	75,000	1,306,000	0	391	109,400	67,100	176,500	Total or average
2,075,000	240,000	0	0	0	0	370	94,100	0	94,100	1898 Jan.
2,092,000	221,000	0	0	0	0	378	98,500	0	98,500	Feb.
2,346,000	245,000	0	0	0	0	391	100,500	0	100,500	Mar.
2,481,000	247,000	0	7,000	0	0	394	105,300	0	105,300	April
2,501,000	276,000	0	9,000	0	0	394	113,300	0	113,300	May
2,516,000	282,000	0	11,000	0	0	394	119,700	0	119,700	June
2,527,000	296,000	0	13,000	0	0	392	121,100	0	121,100	July
2,453,000	301,000	0	12,000	0	0	388	122,300	0	122,300	Aug.
2,367,000	278,000	0	9,000	0	0	384	115,800	0	115,800	Sept.
2,278,000	274,000	0	7,000	0	0	380	109,500	0	109,500	Oct.
2,218,000	259,000	13,000	4,000	0	0	376	106,500	5,300	111,800	Nov.
2,159,000	268,000	33,000	0	0	0	372	105,600	13,000	118,600	Dec.
	3,190,000	46,000	72,000	0	0	384	109,400	1,500	110,900	Total or average

TABLE 4a (Continued). KENNETT
COMPARISON OF WATER AND POWER YIELD, OPERATING PRI
FOR
TWO METHODS OF

Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 451,000 ac.-ft.												
Year and month	Estimated run-off at dam site in acre-feet	Stage of reservoir a beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
			Primary	Secondary					*Primary	Secondary	Total	
1899												
Jan.	605,000	2,221,000	241,000	45,000	0	2,000	0	397	97,400	18,400	115,800	
Feb.	253,000	2,588,000	225,000	0	0	0	0	396	101,900	0	101,900	
Mar.	900,000	2,508,000	249,000	57,000	0	278,000	0	399	104,200	23,900	128,100	
April	456,000	2,884,000	246,000	140,000	7,000	0	7,000	412	109,000	61,500	170,500	
May	330,000	2,940,000	276,000	44,000	10,000	0	0	412	117,500	18,800	136,300	
June	302,000	2,940,000	282,000	59,000	12,000	0	7,000	411	124,200	25,700	149,900	
July	240,000	2,882,000	298,000	55,000	14,000	0	0	407	125,400	23,100	148,500	
Aug.	224,000	2,755,000	304,000	58,000	13,000	0	0	400	126,700	24,200	150,900	
Sept.	197,000	2,604,000	282,000	40,000	10,000	0	0	394	120,000	16,900	136,900	
Oct.	252,000	2,469,000	278,000	65,000	7,000	0	0	388	113,400	26,500	139,900	
Nov.	645,000	2,371,000	264,000	187,000	5,000	0	0	385	110,300	77,900	188,200	
Dec.	646,000	2,560,000	266,000	244,000	0	108,000	0	396	109,400	100,600	210,000	
Total or average	5,050,000		3,209,000	994,000	78,000	388,000	14,000	399	113,400	35,000	148,400	
1900												
Jan.	1,299,000	2,588,000	240,000	274,000	0	883,000	0	388	97,400	110,900	208,300	
Feb.	391,000	2,490,000	224,000	49,000	0	29,000	0	394	101,900	22,000	123,900	
Mar.	912,000	2,579,000	250,000	107,000	0	316,000	0	400	104,200	43,800	148,000	
April	457,000	2,818,000	247,000	77,000	7,000	0	4,000	411	109,000	33,900	142,900	
May	413,000	2,940,000	276,000	110,000	10,000	0	17,000	412	117,500	46,600	164,100	
June	247,000	2,940,000	282,000	11,000	12,000	0	0	412	124,200	4,900	129,100	
July	219,000	2,882,000	297,000	35,000	14,000	0	0	408	125,400	14,800	140,200	
Aug.	208,000	2,755,000	303,000	43,000	13,000	0	0	402	126,700	17,900	144,600	
Sept.	201,000	2,604,000	282,000	44,000	10,000	0	0	394	120,000	18,800	138,800	
Oct.	308,000	2,469,000	278,000	121,000	7,000	0	0	388	113,400	49,200	162,600	
Nov.	368,000	2,371,000	264,000	145,000	5,000	0	0	384	110,300	59,700	170,000	
Dec.	697,000	2,325,000	271,000	222,000	0	0	0	384	109,400	89,000	198,400	
Total or average	5,720,000		3,214,000	1,238,000	78,000	1,228,000	21,000	398	113,400	42,900	156,300	
1901												
Jan.	895,000	2,529,000	239,000	251,000	0	446,000	0	389	97,400	101,600	199,000	
Feb.	1,304,000	2,488,000	227,000	223,000	0	801,000	0	386	101,900	99,400	201,300	
Mar.	749,000	2,541,000	251,000	128,000	0	155,000	0	398	104,200	52,400	156,600	
April	382,000	2,756,000	249,000	0	7,000	0	0	408	109,000	0	109,000	
May	411,000	2,882,000	276,000	67,000	10,000	0	0	412	117,500	28,500	146,000	
June	240,000	2,940,000	282,000	4,900	12,000	0	0	412	124,200	1,800	126,000	
July	218,000	2,882,000	297,000	34,000	14,000	0	0	408	125,400	14,200	139,600	
Aug.	206,000	2,755,000	303,000	41,000	13,000	0	0	402	126,700	17,100	143,800	
Sept.	200,000	2,604,000	282,000	43,000	10,000	0	0	394	120,000	18,200	138,200	
Oct.	215,000	2,469,000	278,000	28,000	7,000	0	0	388	113,400	11,400	124,800	
Nov.	354,000	2,371,000	265,000	103,000	5,000	0	0	383	110,300	42,500	152,800	
Dec.	550,000	2,352,000	272,000	252,000	0	0	0	383	109,400	100,600	210,000	
Total or average	5,724,000		3,221,000	1,174,000	78,000	1,462,000	0	397	113,400	40,400	153,800	
1902												
Jan.	227,000	2,378,000	240,000	0	0	0	0	386	97,400	0	97,400	
Feb.	2,782,000	2,365,000	230,000	176,000	0	2,175,000	0	381	101,900	77,100	179,000	
Mar.	1,115,000	2,566,000	251,000	183,000	0	409,000	0	398	104,200	75,300	179,500	
April	891,000	2,838,000	249,000	187,000	7,000	0	346,000	408	109,000	81,500	190,500	
May	765,000	2,940,000	278,000	216,000	10,000	0	261,000	406	117,500	91,400	208,900	
June	407,000	2,940,000	282,000	164,000	12,000	0	7,000	410	124,200	71,700	195,900	
July	254,000	2,882,000	298,000	69,000	14,000	0	0	406	125,400	29,000	154,400	
Aug.	234,000	2,755,000	304,000	68,000	13,000	0	0	400	126,700	28,400	155,100	
Sept.	184,000	2,604,000	282,000	27,000	10,000	0	0	394	120,000	11,400	131,400	
Oct.	235,000	2,469,000	278,000	48,000	7,000	0	0	388	113,400	19,500	132,900	
Nov.	829,000	2,371,000	258,000	190,000	5,000	0	0	386	110,300	81,100	191,400	
Dec.	762,000	2,747,000	264,000	241,000	0	352,000	0	400	109,400	100,600	210,000	
Total or average	8,685,000		3,214,000	1,569,000	78,000	2,936,000	614,000	398	113,400	55,300	168,700	

*Total primary power production in February of leap years taken the same as in other years.

MARILY FOR POWER GENERATION WITH INCIDENTAL IRRIGATION

tions Carried out on a Daily Basis.
mary, see Table 4, page 114.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (454,000 ac.-ft.) in reserve throughout flood season										Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft.										
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Secondary					*Primary	Secondary	Total	
2,075,000	235,000	0	0	0	0	380	94,100	0	94,100	1899
2,445,000	217,000	0	0	0	0	392	98,500	0	98,500	Jan.
2,481,000	247,000	212,000	0	436,000	0	388	100,500	85,900	186,400	Feb.
2,486,000	247,000	59,000	7,000	19,000	0	393	105,300	24,400	129,700	Mar.
2,610,000	272,000	0	9,000	0	0	399	113,300	0	113,300	Apr.
2,659,000	278,000	0	11,000	0	0	400	119,700	0	119,700	May
2,672,000	291,000	0	14,000	0	0	400	121,100	0	121,100	June
2,607,000	296,000	57,000	12,000	0	0	394	122,300	23,400	145,700	July
2,466,000	276,000	40,000	9,000	0	0	388	115,800	16,800	132,600	Aug.
2,338,000	272,000	65,900	7,000	0	0	382	109,500	26,100	135,600	Sept.
2,246,000	258,000	197,000	4,000	0	0	379	106,500	80,700	187,200	Oct.
2,432,000	260,000	257,000	0	86,000	0	388	105,600	104,400	210,000	Nov.
	3,149,000	887,000	73,000	541,000	0	390	109,400	30,400	139,800	Dec.
										Total or average
2,475,000	230,000	277,000	0	781,000	0	391	94,100	112,900	207,000	1900
2,486,000	217,000	144,000	0	30,000	0	391	98,500	64,900	163,400	Jan.
2,486,000	247,000	257,000	0	408,000	0	388	100,500	104,200	204,700	Feb.
2,486,000	247,000	49,000	7,000	3,000	0	395	105,300	20,700	126,000	Mar.
2,637,000	271,000	0	10,000	0	0	403	113,300	0	113,300	Apr.
2,769,000	275,000	0	11,000	0	0	404	119,700	0	119,700	May
2,730,000	290,000	35,000	14,000	0	0	401	121,100	14,700	135,800	June
2,610,000	296,000	44,000	12,000	0	0	394	122,300	18,100	140,400	July
2,466,000	276,000	44,000	9,000	0	0	388	115,800	18,500	134,300	Aug.
2,338,000	272,000	121,000	7,000	0	0	382	109,500	48,500	158,000	Sept.
2,246,000	259,000	151,000	4,000	0	0	377	106,500	61,900	168,400	Oct.
2,200,000	266,000	251,000	0	0	0	377	105,600	99,200	204,800	Nov.
	3,146,000	1,373,000	74,000	1,222,000	0	391	109,400	47,100	156,500	Dec.
										Total or average
2,380,000	232,000	287,000	0	270,000	0	387	94,100	115,900	210,000	1901
2,486,000	220,000	239,000	0	845,000	0	385	98,500	106,800	205,300	Jan.
2,486,000	247,000	261,000	0	241,000	0	388	100,500	106,000	206,500	Feb.
2,486,000	248,000	36,000	7,000	0	0	393	105,300	15,400	120,700	Mar.
2,577,000	273,000	0	9,000	0	0	400	113,300	0	113,300	Apr.
2,706,000	278,000	0	11,000	0	0	401	119,700	0	119,700	May
2,657,000	292,000	0	14,000	0	0	398	121,100	0	121,100	June
2,569,000	298,000	0	12,000	0	0	394	122,300	0	122,300	July
2,465,000	269,000	49,000	9,000	0	0	388	115,800	20,600	136,400	Aug.
2,338,000	272,000	28,000	7,000	0	0	382	109,500	11,300	120,800	Sept.
2,246,000	259,000	106,000	4,000	0	0	377	106,500	43,300	149,800	Oct.
2,231,000	266,000	264,000	0	0	0	377	105,600	104,400	210,000	Nov.
	3,154,000	1,270,000	73,000	1,356,000	0	389	109,400	43,400	152,800	Dec.
										Total or average
2,251,000	236,000	0	0	0	0	379	94,100	0	94,100	1902
2,242,000	223,000	183,000	0	2,132,000	0	378	98,500	79,800	178,300	Jan.
2,486,000	248,000	272,000	0	595,000	0	386	100,500	109,500	210,000	Feb.
2,486,000	245,000	171,000	7,000	95,000	0	399	105,300	73,500	178,800	Mar.
2,859,000	267,000	229,000	10,000	0	178,000	409	113,300	96,700	210,000	Apr.
2,940,000	273,000	207,000	12,000	0	7,000	410	119,700	90,300	210,000	May
2,848,000	290,000	188,000	14,000	0	0	402	121,100	78,800	199,900	June
2,610,000	298,000	68,000	12,000	0	0	392	122,300	27,800	150,100	July
2,466,000	276,000	27,000	9,000	0	0	387	115,800	11,400	127,200	Aug.
2,338,000	272,000	48,000	7,000	0	0	382	109,500	19,200	128,700	Sept.
2,246,000	255,000	202,000	4,000	146,000	0	385	106,500	84,300	190,800	Oct.
2,468,000	260,000	258,000	0	226,000	0	388	105,600	104,400	210,000	Nov.
	3,143,000	1,853,000	75,000	3,194,000	185,000	391	109,400	64,500	173,900	Dec.
										Total or average

TABLE 4a (Continued). KENNETT
COMPARISON OF WATER AND POWER YIELD, OPERATING PRI
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.									
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)		
			Primary	Second-ary					*Primary	Second-ary	Total
1903											
Jan.	1,113,000	2,652,000	240,000	264,000	0	772,000	0	388	97,400	106,900	204,300
Feb.	633,000	2,489,000	226,000	222,000	0	126,000	0	390	101,900	100,100	202,000
Mar.	1,339,000	2,548,000	253,000	242,000	0	580,000	0	394	104,200	99,600	203,800
April	765,000	2,812,000	249,000	225,000	7,000	46,000	110,000	408	109,000	98,100	207,100
May	458,000	2,940,000	276,000	152,000	10,000	0	20,000	412	117,500	64,700	182,200
June	278,000	2,940,000	282,000	42,000	12,000	0	0	412	124,200	18,300	142,500
July	231,000	2,882,000	297,000	47,000	14,000	0	0	408	125,400	19,800	145,200
Aug.	204,000	2,755,000	303,000	39,000	13,000	0	0	402	126,700	16,300	143,000
Sept.	174,000	2,604,000	282,000	17,000	10,000	0	0	394	120,000	7,200	127,200
Oct.	199,000	2,469,000	278,000	12,000	7,000	0	0	388	113,400	4,800	118,200
Nov.	924,000	2,371,000	261,000	156,000	5,000	0	0	390	110,300	65,600	175,900
Dec.	530,000	2,873,000	263,000	229,000	0	310,000	0	400	109,400	95,300	204,700
Total or average	6,818,000		3,210,000	1,647,000	78,000	1,834,000	130,000	399	113,400	57,800	171,200
1904											
Jan.	473,000	2,601,000	238,000	232,000	0	83,000	0	392	97,400	94,500	191,900
Feb.	1,742,000	2,521,000	236,000	165,000	0	1,332,000	0	386	98,400	70,500	168,900
Mar.	2,877,000	2,530,000	256,000	262,000	0	2,031,000	0	387	104,200	105,800	210,000
April	1,467,000	2,858,000	250,000	234,000	7,000	146,000	748,000	405	109,000	101,000	210,000
May	914,000	2,940,000	279,000	220,000	10,000	0	405,000	406	117,500	92,500	210,000
June	505,000	2,940,000	283,000	196,000	12,000	0	48,000	410	124,200	85,800	210,000
July	377,000	2,906,000	298,000	201,000	14,000	0	0	406	125,400	84,600	210,000
Aug.	282,000	2,770,000	304,000	131,000	13,000	0	0	400	126,700	54,600	181,300
Sept.	271,000	2,604,000	282,000	114,000	10,000	0	0	393	120,000	48,300	168,300
Oct.	491,000	2,469,000	276,000	201,000	7,000	0	0	391	113,400	81,900	195,300
Nov.	379,000	2,476,000	263,000	241,000	5,000	0	0	386	110,300	99,700	210,000
Dec.	600,000	2,346,000	273,000	252,000	0	0	0	381	109,400	100,600	210,000
Total or average	10,378,000		3,238,000	2,449,000	78,000	3,592,000	1,201,000	395	113,000	85,100	198,100
1905											
Jan.	1,371,000	2,421,000	238,000	179,000	0	743,000	0	391	97,400	72,600	170,000
Feb.	1,027,000	2,632,000	224,000	229,000	0	607,000	0	393	101,900	103,600	205,500
Mar.	1,335,000	2,599,000	251,000	238,000	0	524,000	0	398	104,200	98,400	202,600
April	753,000	2,921,000	249,000	231,000	7,000	23,000	218,000	408	109,000	101,000	210,000
May	560,000	2,940,000	276,000	207,000	10,000	0	67,000	411	117,500	87,600	205,100
June	365,000	2,940,000	283,000	128,000	12,000	0	0	410	124,200	56,100	180,300
July	269,000	2,882,000	298,000	84,000	14,000	0	0	407	125,400	35,500	160,900
Aug.	236,000	2,755,000	304,000	70,000	13,000	0	0	400	126,700	29,200	155,900
Sept.	208,000	2,604,000	282,000	51,000	10,000	0	0	394	120,000	21,700	141,700
Oct.	221,000	2,469,000	278,000	34,000	7,000	0	0	388	113,400	13,800	127,200
Nov.	224,000	2,371,000	264,000	53,000	5,000	0	0	384	110,300	21,900	132,200
Dec.	249,000	2,278,000	270,000	0	0	0	0	380	109,400	0	109,400
Total or average	6,823,000		3,217,000	1,504,000	78,000	1,903,000	285,000	397	113,400	53,100	166,500
906											
Jan.	851,000	2,257,000	239,000	52,000	0	109,000	0	390	97,400	21,600	119,000
Feb.	872,000	2,708,000	222,000	141,000	0	611,000	0	398	101,900	63,700	165,600
Mar.	1,646,000	2,606,000	253,000	241,000	0	924,000	0	394	104,200	98,900	203,100
April	995,000	2,834,000	249,000	232,000	7,000	135,000	265,000	408	109,000	101,000	210,000
May	817,000	2,940,000	278,000	220,000	10,000	0	309,000	408	117,500	92,500	210,000
June	756,000	2,940,000	284,000	196,000	12,000	0	265,000	403	124,200	85,800	210,000
July	362,000	2,939,000	297,000	201,000	14,000	0	0	408	125,400	84,600	210,000
Aug.	280,000	2,789,000	304,000	148,000	13,000	0	0	400	126,700	61,700	189,400
Sept.	247,000	2,604,000	283,000	89,000	10,000	0	0	394	120,000	37,800	157,800
Oct.	251,000	2,469,000	278,000	64,000	7,000	0	0	388	113,400	26,100	139,500
Nov.	256,000	2,371,000	265,000	79,000	5,000	0	0	383	110,300	32,800	143,100
Dec.	648,000	2,278,000	272,000	186,000	0	0	0	382	109,400	74,300	183,700
Total or average	7,981,000		3,224,000	1,849,000	78,000	1,780,000	839,000	397	113,400	65,100	178,500

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

MARILY FOR POWER GENERATION WITH INCIDENTAL IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 4, page 114.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (454,000 ac.-ft.) in reserve throughout flood season										Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft.										
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Secondary					*Primary	Secondary	Total	
2,486,000	231,000	222,000	0	660,000	0	387	94,100	89,500	183,600	1903 Jan.
2,486,000	219,000	249,000	0	165,000	0	386	98,500	111,500	210,000	Feb.
2,486,000	248,000	270,000	0	821,000	0	386	100,500	109,500	210,000	Mar.
2,486,000	246,000	99,000	7,000	151,000	0	396	105,300	41,900	147,200	April
2,748,000	270,000	145,000	10,000	0	0	405	113,300	60,600	173,900	May
2,781,000	275,000	43,000	11,000	0	0	405	119,700	18,600	138,300	June
2,730,000	290,000	47,000	14,000	0	0	401	121,100	19,600	140,700	July
2,610,000	298,000	40,000	12,000	0	0	394	122,300	16,500	138,800	Aug.
2,466,000	276,000	17,000	9,000	0	0	388	115,800	7,100	122,900	Sept.
2,338,000	272,000	12,000	7,000	0	0	382	109,500	4,800	114,300	Oct.
2,246,000	257,000	166,000	4,000	257,000	0	380	106,500	68,200	174,700	Nov.
2,486,000	260,000	257,000	0	35,000	0	389	105,600	104,400	210,000	Dec.
	3,140,000	1,567,000	74,000	2,089,000	0	392	109,400	54,100	163,500	Total or average
2,464,000	230,000	202,000	0	19,000	0	390	94,100	82,300	176,400	1904 Jan.
2,486,000	228,000	209,000	0	1,305,000	0	384	95,100	89,400	184,500	Feb.
2,486,000	252,000	276,000	0	2,349,000	0	378	100,500	109,500	210,000	Mar.
2,486,000	245,000	196,000	7,000	257,000	308,000	398	105,300	84,000	189,300	April
2,940,000	268,000	228,000	10,000	0	408,000	408	113,300	96,700	210,000	May
2,940,000	273,000	206,000	12,000	0	48,000	410	119,700	90,300	210,000	June
2,906,000	288,000	211,000	14,000	0	0	406	121,100	88,900	210,000	July
2,770,000	265,000	213,000	13,000	0	0	398	122,300	87,700	210,000	Aug.
2,531,000	276,000	178,000	10,000	0	0	388	115,800	74,600	190,400	Sept.
2,338,000	271,000	252,000	7,000	0	0	382	109,500	100,500	210,000	Oct.
2,299,000	260,000	249,000	4,000	0	0	376	106,500	101,500	208,000	Nov.
2,165,000	269,000	259,000	0	0	0	372	105,600	101,500	207,100	Dec.
	3,155,000	2,679,000	77,000	3,930,000	764,000	391	109,100	92,300	201,400	Total or average
2,237,000	234,000	158,000	0	730,000	0	381	94,100	63,600	157,700	1905 Jan.
2,486,000	219,000	251,000	0	557,000	0	386	98,500	111,500	210,000	Feb.
2,486,000	249,000	272,000	0	814,000	0	385	100,500	109,500	210,000	Mar.
2,486,000	246,000	107,000	7,000	128,000	0	396	105,300	45,600	150,900	April
2,751,000	270,000	210,000	10,000	0	0	406	113,300	88,200	201,500	May
2,821,000	275,000	170,000	11,000	0	0	404	119,700	73,800	193,500	June
2,730,000	291,000	84,000	14,000	0	0	400	121,100	34,900	156,000	July
2,610,000	298,000	70,000	12,000	0	0	394	122,300	28,800	151,100	Aug.
2,466,000	276,000	51,000	9,000	0	0	387	115,800	21,400	137,200	Sept.
2,338,000	272,000	34,000	7,000	0	0	382	109,500	13,700	123,200	Oct.
2,246,000	259,000	53,000	4,000	0	0	378	106,500	21,800	128,300	Nov.
2,159,000	268,000	65,000	0	0	0	372	105,600	25,500	131,100	Dec.
	3,157,000	1,525,000	74,000	2,229,000	0	390	109,400	52,800	162,200	Total or average
2,075,000	235,000	109,000	0	96,000	0	380	94,100	44,400	138,500	1906 Jan.
2,486,000	219,000	214,000	0	439,000	0	387	98,500	95,800	194,300	Feb.
2,486,000	248,000	273,000	0	1,101,000	0	384	100,500	109,500	210,000	Mar.
2,510,000	246,000	145,000	7,000	278,000	0	397	105,300	61,500	166,800	April
2,829,000	268,000	229,000	10,000	0	199,000	409	113,300	96,700	210,000	May
2,943,000	273,000	207,000	12,000	0	266,000	410	119,700	90,300	210,000	June
2,938,000	287,000	212,000	14,000	0	0	408	121,100	88,900	210,000	July
2,787,000	294,000	211,000	13,000	0	0	398	122,300	87,700	210,000	Aug.
2,549,000	276,000	172,000	10,000	0	0	388	115,800	72,200	188,000	Sept.
2,338,000	272,000	64,000	7,000	0	0	382	109,500	25,700	135,200	Oct.
2,245,000	259,000	80,000	4,000	0	0	378	106,500	32,900	139,400	Nov.
2,159,000	267,000	215,000	0	0	0	375	105,600	84,700	190,300	Dec.
	3,144,000	2,131,000	77,000	1,914,000	465,000	391	109,400	74,100	183,500	Total or average

TABLE 4a (Continued). KENNETT
COMPARISON OF WATER AND POWER YIELD, OPERATING PRI
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.								Average power yield in kilowatts (Load factor=.75)		
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet		*Primary	Secondary	Total
			Primary	Secondary								
1907												
Jan.	936,000	2,468,000	239,000	247,000	0	430,000	0	389	97,400	109,300	197,700	
Feb.	1,656,000	2,488,000	229,000	243,000	0	1,122,000	0	384	101,900	108,100	210,000	
Mar.	2,115,000	2,530,000	251,000	259,000	0	1,314,000	0	392	104,200	105,800	210,000	
April	1,250,000	2,818,000	249,000	234,000	7,000	178,000	460,000	406	103,000	101,000	210,000	
May	646,000	2,940,000	278,000	219,000	10,000	0	139,000	408	117,500	92,500	210,000	
June	421,000	2,940,000	282,000	179,000	12,000	0	6,000	410	124,200	78,200	202,400	
July	334,000	2,882,000	278,000	149,000	14,000	0	0	406	125,400	62,600	188,000	
Aug.	291,000	2,755,000	304,000	125,000	13,000	0	0	400	126,700	52,000	178,700	
Sept.	252,000	2,604,000	282,000	95,000	10,000	0	0	394	120,000	40,300	160,300	
Oct.	261,000	2,469,000	278,000	74,000	7,000	0	0	388	113,400	30,100	143,500	
Nov.	256,000	2,371,000	264,000	80,000	5,000	0	0	384	110,300	33,300	143,600	
Dec.	479,000	2,278,000	273,000	138,000	0	0	0	380	109,400	55,100	164,500	
Total or average	8,877,000		3,230,000	2,012,000	78,000	3,044,000	605,000	395	113,400	71,400	184,800	
1908												
Jan.	904,000	2,346,000	237,000	94,000	0	264,000	0	394	97,400	38,300	135,700	
Feb.	970,000	2,655,000	224,000	210,000	0	629,000	0	388	98,400	90,800	189,200	
Mar.	669,000	2,552,000	250,000	88,000	0	37,000	0	401	104,200	36,300	140,500	
April	527,000	2,846,000	247,000	134,000	7,000	0	45,000	411	109,000	58,300	167,300	
May	452,000	2,940,000	276,000	187,000	10,000	0	19,000	411	117,500	79,600	197,100	
June	340,000	2,940,000	283,000	103,000	12,000	0	0	419	124,200	45,100	169,300	
July	260,000	2,882,000	298,000	73,000	14,000	0	0	407	125,400	31,600	157,000	
Aug.	225,000	2,755,000	304,000	63,000	13,000	0	0	400	126,700	26,200	152,900	
Sept.	205,000	2,604,000	282,000	48,000	10,000	0	0	394	120,000	20,400	140,400	
Oct.	235,000	2,469,000	278,000	48,000	7,000	0	0	388	113,400	19,500	132,900	
Nov.	257,000	2,371,000	264,000	81,000	5,000	0	0	384	110,300	33,800	144,100	
Dec.	267,000	2,278,000	273,000	15,000	0	0	0	380	109,400	5,900	115,300	
Total or average	5,335,000		3,226,000	1,146,000	78,000	930,000	64,000	398	113,000	40,200	153,200	
1909												
Jan.	3,260,000	2,257,000	242,000	218,000	0	2,551,000	0	383	97,400	87,100	184,500	
Feb.	2,526,000	2,506,000	227,000	242,000	0	1,938,000	0	386	101,900	108,100	210,000	
Mar.	977,000	2,625,000	249,000	197,000	0	247,000	0	401	104,200	81,700	185,900	
April	756,000	2,900,000	249,000	223,000	7,000	10,000	230,000	409	109,000	100,100	209,100	
May	581,000	2,940,000	276,000	216,000	10,000	0	79,000	410	117,500	91,500	209,000	
June	410,000	2,940,000	282,000	171,000	12,000	0	3,000	410	124,200	74,900	199,100	
July	308,000	2,882,000	298,000	123,000	14,000	0	0	406	125,400	51,700	177,100	
Aug.	294,000	2,755,000	304,000	98,000	13,000	0	0	400	126,700	40,900	167,600	
Sept.	264,000	2,604,000	282,000	89,000	10,000	0	0	394	120,000	37,800	157,800	
Oct.	284,000	2,469,000	278,000	97,000	7,000	0	0	388	113,400	39,400	152,800	
Nov.	539,000	2,371,000	264,000	174,000	5,000	0	0	384	110,300	72,500	182,800	
Dec.	721,000	2,466,000	266,000	245,000	0	39,000	0	395	109,400	100,600	210,000	
Total or average	10,871,000		3,217,000	2,099,000	78,000	4,785,000	312,000	397	113,400	73,600	187,000	
1910												
Jan.	708,000	2,637,000	235,000	139,000	0	327,000	0	398	97,400	57,000	154,400	
Feb.	847,000	2,644,000	221,000	138,000	0	358,000	0	399	101,900	62,900	164,800	
Mar.	1,239,000	2,774,000	247,000	239,000	0	351,000	236,000	406	104,200	100,400	204,600	
April	665,000	2,940,000	249,000	232,000	7,000	0	177,000	408	109,000	101,000	210,000	
May	415,000	2,940,000	276,000	128,000	10,000	0	1,000	412	117,500	54,400	171,900	
June	282,000	2,940,000	282,000	46,000	12,000	0	0	412	124,200	20,100	144,300	
July	234,000	2,882,000	297,000	70,000	14,000	0	0	408	125,400	23,400	148,800	
Aug.	236,000	2,755,000	304,000	70,000	13,000	0	0	400	126,700	22,200	148,900	
Sept.	214,000	2,604,000	282,000	57,000	10,000	0	0	394	120,000	24,200	144,200	
Oct.	231,000	2,469,000	278,000	44,000	7,000	0	0	388	113,400	17,900	131,300	
Nov.	274,000	2,371,000	265,000	97,000	5,000	0	0	383	110,300	40,300	150,600	
Dec.	436,000	2,278,000	274,000	183,000	0	0	0	380	109,400	73,000	182,400	
Total or average	5,801,000		3,210,000	1,443,000	78,000	1,036,000	414,000	399	113,400	50,800	164,200	

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

MARILY FOR POWER GENERATION WITH INCIDENTAL IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 4, page 114.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (454,000 ac.-ft.) in reserve throughout flood season										Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft.										
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Secondary					*Primary	Secondary	Total	
2,325,000	231,000	249,000	0	295,000	0	388	94,100	100,900	195,000	1907
2,486,000	221,000	252,000	0	1,163,000	0	383	98,500	111,500	210,000	Jan.
2,486,000	249,000	273,000	0	1,593,000	0	383	100,500	109,500	210,000	Feb.
2,486,000	244,000	196,000	7,000	256,000	93,000	400	105,300	84,000	189,300	Mar.
2,940,000	267,000	229,000	10,000	0	140,000	410	113,300	96,700	210,000	April
2,940,000	273,000	207,000	12,000	0	0	409	119,700	90,300	210,000	May
2,869,000	289,000	213,000	14,000	0	0	404	121,100	88,900	210,000	June
2,687,000	296,000	203,000	13,000	0	0	394	122,300	83,600	205,900	July
2,466,000	277,000	94,000	9,000	0	0	386	115,800	39,300	155,100	Aug.
2,338,000	277,000	74,000	7,000	0	0	382	109,500	29,700	139,200	Sept.
2,246,000	259,000	80,000	4,000	0	0	378	106,500	32,900	139,400	Oct.
2,159,000	269,000	194,000	0	0	0	374	105,600	76,200	181,800	Nov.
	3,147,000	2,264,000	76,000	3,307,000	233,000	391	109,400	78,500	187,900	Dec.
										Total or average
2,175,000	232,000	121,000	0	240,000	0	386	94,100	48,500	142,600	1908
2,486,000	226,000	258,000	0	486,000	0	388	95,100	111,600	206,700	Jan.
2,486,000	248,000	269,000	0	152,000	0	389	100,500	109,400	209,900	Feb.
2,486,000	247,000	49,000	7,000	0	0	395	105,300	20,700	126,000	Mar.
2,710,000	270,000	141,000	10,000	0	0	405	113,300	59,000	172,300	April
2,781,000	276,000	104,000	11,000	0	0	404	119,700	45,100	164,800	May
2,730,000	291,000	75,000	14,000	0	0	400	121,100	31,200	152,300	June
2,610,000	298,000	63,000	12,000	0	0	394	122,300	25,900	148,200	July
2,466,000	276,000	48,000	9,000	0	0	387	115,800	20,100	135,900	Aug.
2,338,000	272,000	48,000	7,000	0	0	382	109,500	19,200	128,700	Sept.
2,246,000	259,000	81,000	4,000	0	0	378	106,500	33,300	139,800	Oct.
2,159,000	269,000	82,000	0	0	0	372	105,600	32,300	137,900	Nov.
	3,164,000	1,339,000	74,000	878,000	0	390	109,100	46,200	155,300	Dec.
										Total or average
2,075,000	236,000	226,000	0	2,387,000	0	378	94,100	89,700	183,800	1909
2,486,000	222,000	253,000	0	2,051,000	0	380	98,500	111,500	210,000	Jan.
2,486,000	248,000	273,000	0	458,000	0	386	100,500	109,500	210,000	Feb.
2,486,000	244,000	123,000	7,000	77,000	0	397	105,300	52,500	157,800	Mar.
2,789,000	269,000	230,000	10,000	0	0	406	113,300	96,700	210,000	April
2,861,000	275,000	208,000	12,000	0	0	406	119,700	90,300	210,000	May
2,776,000	290,000	170,000	14,000	0	0	400	121,100	70,800	191,900	June
2,610,000	298,000	98,000	12,000	0	0	394	122,300	40,300	162,600	July
2,466,000	277,000	88,000	9,000	0	0	386	115,800	36,800	152,600	Aug.
2,338,000	273,000	96,000	7,000	0	0	381	109,500	38,400	147,900	Sept.
2,246,000	258,000	179,000	4,000	0	0	378	106,500	73,600	180,100	Oct.
2,343,000	261,000	258,000	0	84,000	0	387	105,600	104,400	210,000	Nov.
	3,153,000	2,202,000	75,000	5,055,000	0	390	109,400	76,100	185,500	Dec.
										Total or average
2,461,000	230,000	229,000	0	224,000	0	389	94,100	93,800	187,900	1910
2,486,000	219,000	249,000	0	379,000	0	388	98,500	111,500	210,000	Jan.
2,486,000	248,000	273,000	0	718,000	0	386	100,500	109,500	210,000	Feb.
2,486,000	246,000	92,000	7,000	66,000	0	397	105,300	38,800	144,100	Mar.
2,740,000	270,000	94,000	10,000	0	0	404	113,300	39,400	152,700	April
2,781,000	275,000	47,000	11,000	0	0	404	119,700	20,400	140,100	May
2,730,000	290,000	70,000	14,000	0	0	400	121,100	29,200	150,300	June
2,610,000	298,000	70,000	12,000	0	0	394	122,300	28,800	151,100	July
2,466,000	276,000	57,000	9,000	0	0	387	115,800	23,900	139,700	Aug.
2,338,000	272,000	44,000	7,000	0	0	382	109,500	17,700	127,200	Sept.
2,246,000	259,000	98,000	4,000	0	0	377	106,500	40,300	146,800	Oct.
2,159,000	268,000	252,000	0	0	0	372	105,600	98,500	204,100	Nov.
	3,151,000	1,575,000	74,000	1,387,000	0	390	109,400	54,100	163,500	Dec.
										Total or average

TABLE 4a (Continued). KENNETT
COMPARISON OF WATER AND POWER YIELD, OPERATING PRI
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.									
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)		
			Primary	Secondary					*Primary	Secondary	Total
1911											
Jan.	700,000	2,257,000	241,000	18,000	0	193,000	0	384	97,400	7,300	104,700
Feb.	848,000	2,505,000	226,000	168,000	0	377,000	0	389	101,900	75,000	176,900
Mar.	1,278,000	2,582,000	253,000	246,000	0	548,000	0	395	104,200	100,900	205,100
April	962,000	2,813,000	249,000	232,000	7,000	99,000	248,000	407	109,000	101,000	210,000
May	671,000	2,940,000	278,000	219,000	10,000	0	164,000	408	117,500	92,500	210,000
June	431,000	2,940,000	282,000	182,000	12,000	0	13,000	410	124,200	79,600	203,800
July	287,000	2,882,000	298,000	102,000	14,000	0	0	406	125,400	42,900	168,300
Aug.	244,000	2,755,000	304,000	78,000	13,000	0	0	400	126,700	32,500	159,200
Sept.	231,000	2,604,000	282,000	74,000	10,000	0	0	394	120,000	30,700	150,700
Oct.	246,000	2,469,000	278,000	59,000	7,000	0	0	388	113,400	24,100	137,500
Nov.	241,000	2,371,000	264,000	65,000	5,000	0	0	384	110,300	26,900	137,200
Dec.	244,000	2,278,000	273,000	0	0	0	0	380	109,400	0	109,400
Total or average	6,383,000		3,223,000	1,443,000	78,000	1,217,000	425,000	396	113,400	50,800	164,200
1912											
Jan.	517,000	2,249,000	239,000	0	0	0	0	388	97,400	0	97,400
Feb.	396,000	2,527,000	221,000	0	0	0	0	399	98,400	0	98,400
Mar.	635,000	2,702,000	246,000	118,000	0	0	33,000	409	104,200	50,300	154,500
April	487,000	2,940,000	247,000	182,000	7,000	0	51,000	411	109,000	80,000	189,000
May	714,000	2,940,000	277,000	217,000	10,000	0	210,000	410	117,500	91,900	209,400
June	405,000	2,940,000	282,000	158,000	12,000	0	11,000	411	124,200	69,000	193,200
July	274,000	2,882,000	298,000	83,000	14,000	0	0	406	125,400	37,500	162,900
Aug.	238,000	2,755,000	304,000	72,000	13,000	0	0	400	126,700	39,000	155,700
Sept.	242,000	2,604,000	282,000	85,000	10,000	0	0	394	120,000	36,000	156,000
Oct.	226,000	2,469,000	278,000	39,000	7,000	0	0	388	113,400	15,900	129,300
Nov.	432,000	2,371,000	264,000	210,000	5,000	0	0	385	110,300	87,100	197,400
Dec.	369,000	2,324,000	273,000	163,000	0	0	0	380	109,400	64,500	173,900
Total or average	4,935,000		3,211,000	1,333,000	78,000	0	305,000	398	113,000	46,900	159,900
1913											
Jan.	763,000	2,257,000	240,000	111,000	0	137,000	0	386	97,400	45,000	142,400
Feb.	387,000	2,532,000	222,000	17,000	0	0	0	399	101,900	7,600	109,500
Mar.	441,000	2,680,000	247,000	0	0	0	0	406	104,200	0	104,200
April	685,000	2,874,000	249,000	200,000	7,000	0	163,000	409	109,000	87,600	196,600
May	521,000	2,940,000	276,000	201,000	10,000	0	34,000	411	117,500	85,500	203,000
June	321,000	2,940,000	283,000	84,000	12,000	0	0	410	124,200	36,800	161,000
July	263,000	2,882,000	298,000	78,000	14,000	0	0	407	125,400	32,800	158,200
Aug.	232,000	2,755,000	304,000	66,000	13,000	0	0	400	126,700	27,600	154,300
Sept.	190,000	2,604,000	282,000	33,000	10,000	0	0	394	120,000	14,000	134,000
Oct.	202,000	2,469,000	278,000	15,000	7,000	0	0	388	113,400	6,000	119,400
Nov.	316,000	2,371,000	265,000	105,000	5,000	0	0	383	110,300	43,600	153,900
Dec.	696,000	2,312,000	272,000	183,000	0	0	0	381	109,400	72,900	182,300
Total or average	5,017,000		3,216,000	1,093,000	78,000	137,000	197,000	398	113,400	38,500	151,900
1914											
Jan.	2,797,000	2,553,000	238,000	258,000	0	2,075,000	0	392	97,400	105,200	202,600
Feb.	1,359,000	2,779,000	224,000	227,000	0	903,000	0	394	101,900	108,100	210,000
Mar.	987,000	2,774,000	249,000	240,000	0	374,000	0	402	104,200	99,600	203,800
April	1,137,000	2,898,000	249,000	231,000	7,000	6,000	602,000	407	109,000	109,700	209,700
May	703,000	2,940,000	278,000	220,000	10,000	0	195,000	408	117,500	92,500	210,000
June	452,000	2,940,000	283,000	196,000	12,000	0	13,000	410	124,200	85,800	210,000
July	309,000	2,888,000	298,000	130,000	14,000	0	0	406	125,400	54,800	180,200
Aug.	248,000	2,755,000	304,000	82,000	13,000	0	0	400	126,700	34,100	160,800
Sept.	225,000	2,604,000	282,000	68,000	10,000	0	0	394	120,000	28,800	148,800
Oct.	269,000	2,469,000	278,000	82,000	7,000	0	0	388	113,400	33,200	146,600
Nov.	252,000	2,371,000	265,000	75,000	5,000	0	0	383	110,300	31,100	141,400
Dec.	347,000	2,278,000	273,000	95,000	0	0	0	380	109,400	37,900	147,300
Total or average	9,085,000		3,221,000	1,914,000	78,000	3,358,000	810,000	397	113,400	67,400	180,800

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

MARILY FOR POWER GENERATION WITH INCIDENTAL IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 4, page 114.)

Installed capacity of power plant 400,000 k.v.a. P.F.=0.80.

Flood control, holding maximum space required (454,000 ac.-ft.) in reserve throughout flood season										Year and month
Maximum controlled flow at Red Bluff 125,000 sec.-ft.										
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor—0.75)			
	Primary	Secondary					*Primary	Secondary	Total	
2,075,000	237,000	9,000	0	43,000	0	376	94,100	3,800	97,900	1911
2,486,000	220,000	250,000	0	378,000	0	384	98,500	111,500	210,000	Jan.
2,486,000	245,000	267,000	0	762,000	0	385	100,500	107,700	208,200	Feb.
2,486,000	246,000	164,000	7,000	195,000	0	398	105,300	70,000	175,300	Mar.
2,830,000	267,000	220,000	10,000	0	61,000	410	113,300	96,700	210,000	April
2,040,000	273,000	206,000	12,000	0	13,000	410	119,700	90,300	210,000	May
2,867,000	290,000	212,000	14,000	0	0	402	121,100	88,900	210,000	June
2,638,000	298,000	105,000	12,000	0	0	394	122,300	43,500	165,800	July
2,466,000	277,000	73,000	9,000	0	0	386	115,800	30,600	146,400	Aug.
2,338,000	272,000	59,000	7,000	0	0	382	109,500	23,700	133,200	Sept.
2,246,000	259,000	65,000	4,000	0	0	378	106,500	26,700	133,200	Oct.
2,159,000	269,000	59,000	0	0	0	372	105,600	23,300	128,900	Nov.
	3,157,000	1,699,000	75,000	1,378,000	74,000	390	109,400	59,300	168,700	Dec.
										Total or average
2,075,000	236,000	0	0	0	0	378	94,100	0	94,100	1912
2,556,000	226,000	40,000	0	0	0	390	95,100	17,700	112,800	Jan.
2,486,000	246,000	289,000	0	120,000	0	390	100,500	109,500	210,000	Feb.
2,486,000	247,000	37,000	7,000	0	0	395	105,300	15,400	120,700	Mar.
2,682,000	260,000	207,000	10,000	0	0	406	113,300	87,100	200,400	April
2,910,000	274,000	206,000	12,000	0	0	408	119,700	90,300	210,000	May
2,823,000	290,000	183,000	14,000	0	0	401	121,100	76,300	197,400	June
2,610,000	298,000	72,000	12,000	0	0	393	122,300	29,600	151,900	July
2,466,000	277,000	84,000	9,000	0	0	386	115,800	35,100	150,900	Aug.
2,338,000	272,000	39,000	7,000	0	0	382	109,500	15,600	125,100	Sept.
2,246,000	258,000	220,000	4,000	0	0	378	106,500	90,100	196,600	Oct.
2,196,000	268,000	220,000	0	0	0	372	105,600	85,800	191,400	Nov.
	3,161,000	1,577,000	75,000	120,000	0	390	109,100	54,500	163,600	Dec.
										Total or average
2,077,000	234,000	98,000	0	22,000	0	381	94,100	39,800	133,900	1913
2,486,000	218,000	169,000	0	0	0	390	98,500	76,300	174,800	Jan.
2,486,000	245,000	196,000	0	0	0	391	100,500	80,100	180,600	Feb.
2,486,000	246,000	97,000	7,000	69,000	0	397	105,300	41,100	146,400	Mar.
2,752,000	270,000	212,000	10,000	0	0	404	113,300	89,000	202,300	April
2,781,000	276,000	85,000	10,000	0	0	404	119,700	56,800	156,500	May
2,730,000	290,000	79,000	14,000	0	0	400	121,100	32,900	154,000	June
2,610,000	298,000	66,000	12,000	0	0	394	122,300	27,200	149,500	July
2,466,000	276,000	35,000	9,000	0	0	387	115,800	13,900	129,700	Aug.
2,338,000	272,000	15,000	7,000	0	0	382	109,500	6,000	115,500	Sept.
2,246,000	259,000	107,000	4,000	0	0	377	106,500	43,800	150,300	Oct.
2,192,000	268,000	231,000	0	0	0	373	105,600	90,500	196,100	Nov.
	3,152,000	1,388,000	74,000	91,000	0	390	109,400	48,000	157,400	Dec.
										Total or average
2,389,000	235,000	231,000	0	2,174,000	0	379	94,100	115,900	210,000	1914
2,486,000	220,000	251,000	0	888,000	0	385	98,500	111,500	210,000	Jan.
2,486,000	248,000	273,000	0	466,000	0	386	100,500	103,500	210,000	Feb.
2,486,000	244,000	190,000	7,000	167,000	75,000	400	105,300	81,800	187,100	Mar.
2,940,000	267,000	229,000	10,000	0	197,000	409	113,300	96,700	210,000	April
2,040,000	273,000	207,000	12,000	0	0	409	119,700	90,300	210,000	May
2,000,000	288,000	214,000	14,000	0	0	404	121,100	88,900	210,000	June
2,692,000	296,000	166,000	13,000	0	0	395	122,300	68,400	190,700	July
2,466,000	276,000	68,000	9,000	0	0	387	115,800	28,500	144,300	Aug.
2,338,000	272,000	82,000	7,000	0	0	382	109,500	32,900	142,400	Sept.
2,246,000	259,000	76,000	4,000	0	0	378	106,500	31,300	137,800	Oct.
2,159,000	269,000	162,000	0	0	0	372	105,600	63,700	169,300	Nov.
	3,147,000	2,209,000	76,000	3,695,000	272,000	390	109,400	76,500	185,900	Dec.
										Total or average

TABLE 4a (Continued). KENNETT
COMPARISON OF WATER AND POWER YIELD, OPERATING PRI
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.							Average power yield in kilowatts (Load factor=0.75)		
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	*Primary	Secondary	Total
			Primary	Secondary							
1915											
Jan.	895,000	2,257,000	239,000	101,000	0	324,000	0	388	97,400	40,900	138,300
Feb.	2,298,000	2,488,000	228,000	242,000	0	1,625,000	0	386	101,900	108,100	210,000
Mar.	1,264,000	2,691,000	250,000	256,000	0	522,000	0	399	104,200	105,800	210,000
April	1,159,000	2,927,000	249,000	234,000	7,000	38,000	618,000	405	109,000	101,000	210,000
May	1,256,000	2,940,000	279,000	220,000	10,000	0	747,000	406	117,500	92,500	210,000
June	572,000	2,940,000	283,000	195,000	12,000	0	99,000	410	124,200	85,800	210,000
July	343,000	2,923,000	298,000	199,000	14,000	0	0	406	125,400	83,000	203,300
Aug.	266,000	2,755,000	304,000	100,000	13,000	0	0	400	126,700	41,700	168,400
Sept.	215,000	2,604,000	282,000	58,000	10,000	0	0	394	120,000	24,700	144,700
Oct.	233,000	2,469,000	278,000	46,000	7,000	0	0	388	113,400	18,700	132,100
Nov.	254,000	2,371,000	264,000	78,000	5,000	0	0	384	110,300	32,400	142,700
Dec.	699,000	2,278,000	270,000	235,000	0	0	0	387	109,400	94,900	204,300
Total or average	9,454,000		3,224,000	1,964,000	78,000	2,509,000	1,464,000	396	113,400	69,000	182,400
1916											
Jan.	1,166,000	2,472,000	240,000	225,000	0	681,000	0	388	97,400	90,700	188,100
Feb.	1,619,000	2,492,000	237,000	252,000	0	1,077,000	0	384	98,400	107,900	206,300
Mar.	1,215,000	2,543,000	252,000	236,000	0	391,000	0	396	104,200	97,000	201,200
April	678,000	2,878,000	249,000	211,000	7,000	0	149,000	410	109,000	92,400	201,400
May	485,000	2,940,000	276,000	173,000	10,000	0	26,000	412	117,500	73,500	191,000
June	353,000	2,940,000	283,000	116,000	12,000	0	0	410	124,200	50,800	175,000
July	316,000	2,882,000	298,000	131,000	14,000	0	0	407	125,400	35,200	160,600
Aug.	244,000	2,755,000	304,000	78,000	13,000	0	0	400	126,700	32,500	159,200
Sept.	213,000	2,604,000	282,000	56,000	10,000	0	0	394	120,000	23,800	143,800
Oct.	235,000	2,469,000	278,000	49,000	7,000	0	0	388	113,400	19,900	133,300
Nov.	242,000	2,371,000	264,000	66,000	5,000	0	0	384	110,300	27,500	137,800
Dec.	363,000	2,278,000	273,000	111,000	0	0	0	380	109,400	44,500	153,900
Total or average	7,127,000		3,238,000	1,704,000	78,000	2,149,000	175,000	396	113,000	59,500	172,500
1917											
Jan.	312,000	2,257,000	242,000	0	0	0	0	382	97,400	0	97,400
Feb.	760,000	2,327,000	226,000	26,000	0	178,000	0	387	101,900	11,600	113,500
Mar.	439,000	2,657,000	247,000	8,000	0	0	0	405	104,200	3,500	107,700
April	906,000	2,861,000	249,000	196,000	7,000	0	375,000	408	109,000	85,600	194,600
May	580,000	2,940,000	276,000	210,000	10,000	0	34,000	411	117,500	89,000	206,500
June	323,000	2,940,000	283,000	92,000	12,000	0	0	410	124,200	40,300	164,500
July	238,000	2,882,000	297,000	54,000	14,000	0	0	408	125,400	22,700	148,100
Aug.	214,000	2,755,000	303,000	49,000	13,000	0	0	402	126,700	20,400	147,100
Sept.	185,000	2,604,000	282,000	28,000	10,000	0	0	394	120,000	11,900	131,900
Oct.	200,000	2,469,000	278,000	13,000	7,000	0	0	388	113,400	5,400	118,800
Nov.	224,000	2,371,000	264,000	48,000	5,000	0	0	384	110,300	20,000	130,300
Dec.	298,000	2,278,000	273,000	46,000	0	0	0	380	109,400	18,400	127,800
Total or average	4,705,000		3,220,000	770,000	78,000	178,000	459,000	397	113,400	27,400	140,800
1918											
Jan.	240,000	2,257,000	243,000	0	0	0	0	380	97,400	0	97,400
Feb.	399,000	2,263,000	229,000	0	0	0	0	383	101,900	0	101,900
Mar.	772,000	2,433,000	251,000	8,000	0	0	6,000	398	104,200	3,400	107,600
April	556,000	2,940,000	247,000	208,000	7,000	0	34,000	411	109,000	91,100	200,100
May	314,000	2,940,000	276,000	23,000	10,000	0	0	412	117,500	12,000	129,500
June	232,000	2,940,000	282,000	0	12,000	0	0	412	124,200	0	124,200
July	200,000	2,878,000	297,000	12,000	14,000	0	0	408	125,400	5,100	130,500
Aug.	192,000	2,755,000	303,000	27,000	13,000	0	0	402	126,700	11,200	137,900
Sept.	186,000	2,604,000	282,000	29,000	10,000	0	0	394	120,000	12,400	132,400
Oct.	258,000	2,469,000	278,000	71,000	7,000	0	0	388	113,400	28,300	142,500
Nov.	246,000	2,371,000	264,000	70,000	5,000	0	0	384	110,300	29,000	139,300
Dec.	258,000	2,278,000	270,000	9,000	0	0	0	380	109,400	3,600	113,000
Total or average	3,862,000		3,222,000	462,000	78,000	0	100,000	396	113,400	16,300	129,700

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

MARILY FOR POWER GENERATION WITH INCIDENTAL IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 4, page 114.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.										Year and month
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evapora- tion in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Second- ary					*Primary	Second- ary	Total	
1915										
2,075,000	234,000	37,000	0	213,000	0	382	94,100	14,900	109,000	Jan.
2,486,000	223,000	253,000	0	1,822,000	0	378	98,500	111,500	210,000	Feb.
2,486,000	250,000	274,000	0	740,000	0	382	100,500	109,500	210,000	Mar.
2,486,000	245,000	179,000	7,000	257,000	7,000	399	105,300	76,800	182,100	April
2,940,000	268,000	231,000	10,000	0	747,000	408	113,300	96,700	210,000	May
2,940,000	274,000	206,000	12,000	0	80,000	408	119,700	90,300	210,000	June
2,940,000	288,000	211,000	14,000	0	0	406	121,100	88,900	210,000	July
2,770,000	295,000	213,000	13,000	0	0	397	122,300	87,700	210,000	Aug.
2,515,000	276,000	107,000	9,000	0	0	387	115,800	44,900	160,700	Sept.
2,338,000	272,000	46,000	7,000	0	0	382	109,500	18,400	127,900	Oct.
2,246,000	259,000	78,000	4,000	0	0	378	106,500	32,100	138,600	Nov.
2,159,000	263,000	252,000	0	0	0	381	105,600	100,100	205,700	Dec.
	3,147,000	2,087,000	76,000	3,042,000	834,000	391	109,400	72,400	181,800	Total or average
1916										
2,343,000	232,000	213,000	0	578,000	0	386	94,100	85,900	180,000	Jan.
2,486,000	226,000	261,000	0	1,129,000	0	386	95,100	111,600	206,700	Feb.
2,486,000	249,000	272,000	0	694,000	0	384	100,500	109,500	210,000	Mar.
2,486,000	246,000	99,000	7,000	61,000	0	397	105,300	41,900	147,200	April
2,751,000	270,000	175,000	10,000	0	0	404	113,300	73,400	186,700	May
2,781,000	276,000	117,000	11,000	0	0	404	119,700	50,700	170,400	June
2,730,000	291,000	131,000	14,000	0	0	400	121,100	54,600	175,700	July
2,610,000	298,000	78,000	12,000	0	0	394	122,300	32,000	154,300	Aug.
2,466,000	276,000	56,000	9,000	0	0	387	115,800	23,500	139,300	Sept.
2,338,000	272,000	49,000	7,000	0	0	382	109,500	19,600	129,100	Oct.
2,246,000	259,000	66,000	4,000	0	0	378	106,500	27,100	133,600	Nov.
2,159,000	269,000	178,000	0	0	0	372	105,600	70,900	176,500	Dec.
	3,164,000	1,695,000	74,000	2,462,000	0	389	109,100	58,300	167,400	Total or average
1917										
2,075,000	239,000	0	0	0	0	372	94,100	0	94,100	Jan.
2,148,000	223,000	27,000	0	172,000	0	377	98,500	11,900	110,400	Feb.
2,486,000	245,000	214,000	0	0	0	391	100,500	87,500	188,000	Mar.
2,486,000	245,000	172,000	7,000	55,000	0	399	105,300	73,500	178,800	April
2,913,000	267,000	226,000	10,000	0	57,000	410	113,300	96,700	210,000	May
2,933,000	274,000	209,000	12,000	0	0	407	119,700	90,300	210,000	June
2,767,000	291,000	90,000	14,000	0	0	400	121,100	37,500	158,600	July
2,610,000	298,000	48,000	12,000	0	0	394	122,300	19,800	142,100	Aug.
2,466,000	276,000	28,000	9,000	0	0	388	115,800	11,700	127,500	Sept.
2,338,000	272,000	13,000	7,000	0	0	382	109,500	5,200	114,700	Oct.
2,246,000	259,000	48,000	4,000	0	0	378	106,500	19,700	126,200	Nov.
2,159,000	269,000	113,000	0	0	0	372	105,600	44,400	150,000	Dec.
	3,158,000	1,188,000	75,000	227,000	57,000	389	109,400	41,700	151,100	Total or average
1918										
2,075,000	240,000	0	0	0	0	370	94,100	0	94,100	Jan.
2,084,000	224,000	0	0	0	0	376	98,500	0	98,500	Feb.
2,259,000	249,000	105,000	0	191,000	0	385	100,500	42,500	143,000	Mar.
2,486,000	246,000	58,000	7,000	20,000	0	397	105,300	24,400	129,700	April
2,711,000	270,000	0	10,000	0	0	404	113,300	0	113,300	May
2,745,000	276,000	0	11,000	0	0	403	119,700	0	119,700	June
2,690,000	291,000	0	14,000	0	0	400	121,100	0	121,100	July
2,565,000	296,000	3,000	12,000	0	0	394	122,300	1,200	123,500	Aug.
2,466,000	276,000	29,000	9,000	0	0	388	115,800	12,200	128,000	Sept.
2,338,000	272,000	71,000	7,000	0	0	382	109,500	28,500	138,000	Oct.
2,246,000	259,000	70,000	4,000	0	0	378	106,500	28,800	135,300	Nov.
2,159,000	269,000	73,000	0	0	0	372	105,600	28,800	134,400	Dec.
	3,168,000	409,000	74,000	211,000	0	387	109,400	14,000	123,400	Total or average

TABLE 4a (Continued). KENNETT
COMPARISON OF WATER AND POWER YIELD, OPERATING PRI
FOR
TWO METHODS OF
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.									
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)		
			Primary	Secondary					*Primary	Secondary	Total
1919											
Jan.	587,000	2,257,000	240,000	71,000	0	34,000	0	385	97,400	29,000	126,400
Feb.	1,163,000	2,499,000	226,000	222,000	0	671,000	0	387	101,900	99,600	201,500
Mar.	959,000	2,543,000	251,000	230,000	0	196,000	0	397	104,200	95,200	199,400
April	752,000	2,825,000	249,000	224,000	7,000	18,000	139,000	409	109,000	97,600	206,600
May	438,000	2,940,000	277,000	151,000	10,000	0	0	410	117,500	64,100	181,600
June	352,000	2,940,000	282,000	16,000	12,000	0	0	412	124,200	7,100	131,300
July	219,000	2,882,000	297,000	35,000	14,000	0	0	408	125,400	14,800	140,200
Aug.	199,000	2,755,000	303,000	34,000	13,000	0	0	402	126,700	14,200	140,900
Sept.	168,000	2,604,000	282,000	11,000	10,000	0	0	394	120,000	4,600	124,600
Oct.	203,000	2,469,000	278,000	16,000	7,000	0	0	388	113,400	6,500	119,900
Nov.	186,000	2,371,000	264,000	10,000	5,000	0	0	384	110,300	4,200	114,500
Dec.	180,000	2,278,000	274,000	0	0	0	0	378	109,400	0	109,400
Total or average	5,306,000		3,223,000	1,020,000	78,000	919,000	139,000	396	113,400	36,000	149,400
1920											
Jan.	207,000	2,184,000	245,000	0	0	0	0	375	97,400	0	97,400
Feb.	176,000	2,146,000	233,000	0	0	0	0	372	98,400	0	98,400
Mar.	372,000	2,089,000	263,000	0	0	0	0	374	104,200	0	104,200
April	493,000	2,188,000	262,000	0	6,000	0	0	383	109,000	0	109,000
May	286,000	2,423,000	288,000	0	9,000	0	0	388	117,500	0	117,500
June	216,000	2,412,000	296,000	0	10,000	0	0	386	124,200	0	124,200
July	192,000	2,322,000	312,000	0	12,000	0	0	380	125,400	0	125,400
Aug.	176,000	2,190,000	321,000	0	11,000	0	0	372	126,700	0	126,700
Sept.	140,000	2,034,000	301,000	0	8,000	0	0	363	120,000	0	120,000
Oct.	180,000	1,865,000	301,000	0	6,000	0	0	354	113,400	0	113,400
Nov.	896,000	1,738,000	286,000	25,000	4,000	0	0	359	110,300	10,400	120,700
Dec.	1,121,000	2,319,000	266,000	245,000	0	202,000	0	395	109,400	100,600	210,000
Total or average	4,455,000		3,374,000	270,000	66,000	202,000	0	375	113,000	9,400	122,400
1921											
Jan.	1,492,000	2,727,000	239,000	277,000	0	1,050,000	0	390	97,400	112,600	210,000
Feb.	1,035,000	2,653,000	226,000	240,000	0	660,000	0	390	101,900	108,100	210,000
Mar.	982,000	2,562,000	252,000	244,000	0	226,000	0	336	104,200	100,900	205,100
April	559,000	2,822,000	246,000	164,000	7,000	0	24,000	411	109,000	71,900	180,900
May	493,000	2,940,000	276,000	195,000	10,000	0	12,000	411	117,500	83,200	200,700
June	316,000	2,940,000	283,000	79,000	12,000	0	0	410	124,200	34,600	158,800
July	220,000	2,882,000	297,000	36,000	14,000	0	0	408	125,400	15,200	140,600
Aug.	192,000	2,755,000	303,000	27,000	13,000	0	0	402	126,700	11,200	137,900
Sept.	175,000	2,604,000	282,000	18,000	10,000	0	0	394	120,000	7,800	127,800
Oct.	196,000	2,469,000	277,000	0	7,000	0	0	389	113,400	0	113,400
Nov.	205,000	2,381,000	264,000	39,000	5,000	0	0	384	110,300	16,300	126,600
Dec.	390,000	2,278,000	273,000	72,000	0	0	0	381	109,400	28,900	138,300
Total or average	6,255,000		3,218,000	1,391,000	78,000	1,936,000	36,000	397	113,400	48,900	162,300
1922											
Jan.	300,000	2,323,000	240,000	0	0	0	0	387	97,400	0	97,400
Feb.	679,000	2,383,000	225,000	44,000	0	136,000	0	392	101,900	19,900	121,800
Mar.	567,000	2,657,000	246,000	17,000	0	0	21,000	407	104,200	7,300	111,500
April	604,000	2,940,000	248,000	214,000	7,000	0	135,000	410	109,000	93,600	202,600
May	577,000	2,940,000	276,000	209,000	10,000	0	82,000	411	117,500	88,300	205,800
June	317,000	2,940,000	283,000	80,000	12,000	0	0	410	124,200	35,000	159,200
July	203,000	2,882,000	297,000	19,000	14,000	0	0	408	125,400	7,900	133,300
Aug.	182,000	2,755,000	303,000	17,000	13,000	0	0	402	126,700	7,100	133,800
Sept.	161,000	2,604,000	282,000	4,000	10,000	0	0	394	120,000	1,700	121,700
Oct.	208,000	2,469,000	278,000	21,000	7,000	0	0	388	113,400	8,600	122,000
Nov.	244,000	2,371,000	264,000	68,000	5,000	0	0	384	110,300	28,300	138,600
Dec.	462,000	2,278,000	273,000	139,000	0	0	0	380	109,400	55,100	164,500
Total or average	4,504,000		3,215,000	832,000	78,000	136,000	238,000	398	113,400	29,400	142,800

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

MARILY FOR POWER GENERATION WITH INCIDENTAL IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 4, page 114.)

Installed capacity of power plant 400,000 k.v a. P.F. = 0.80.

Flood control, holding maximum space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.										Year and month
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Secondary					*Primary	Secondary	Total	
1919										
2,075,000	236,000	0	0	0	0	377	94,100	0	94,100	Jan.
2,426,000	220,000	188,000	0	695,000	0	386	98,500	83,800	182,300	Feb.
2,486,000	248,000	270,000	0	441,000	0	386	100,500	103,500	210,000	Mar.
2,486,000	246,000	109,000	7,000	109,000	0	396	105,300	46,400	151,700	April
2,767,000	270,000	144,000	10,000	0	0	405	113,300	60,500	173,800	May
2,781,000	275,000	17,000	11,000	0	0	405	119,700	7,400	127,100	June
2,730,000	290,000	35,000	14,000	0	0	401	121,100	14,700	135,800	July
2,610,000	298,000	35,000	12,000	0	0	394	122,300	14,400	136,700	Aug.
2,466,000	276,000	11,000	9,000	0	0	388	115,800	4,600	120,400	Sept.
2,338,000	272,000	16,000	7,000	0	0	382	109,500	6,500	116,000	Oct.
2,246,000	259,000	10,000	4,000	0	0	378	106,500	4,200	110,700	Nov.
2,159,000	268,000	0	0	0	0	372	105,600	0	105,600	Dec.
	3,156,000	835,000	74,000	1,245,000	0	389	109,400	29,000	138,400	Total or average
1920										
2,071,000	239,000	0	0	0	0	370	94,100	0	94,100	Jan.
2,039,000	236,000	0	0	0	0	367	95,100	0	95,100	Feb.
1,979,000	257,000	0	0	0	0	368	100,500	0	100,500	Mar.
2,094,000	256,000	0	6,000	0	0	377	105,300	0	105,300	April
2,325,000	281,000	0	9,000	0	0	384	113,300	0	113,300	May
2,321,000	288,000	0	10,000	0	0	382	119,700	0	119,700	June
2,239,000	306,000	0	12,000	0	0	376	121,100	0	121,100	July
2,113,000	314,000	0	11,000	0	0	368	122,300	0	122,300	Aug.
1,964,000	293,000	0	8,000	0	0	360	115,800	0	115,800	Sept.
1,893,000	293,000	0	6,000	0	0	351	109,500	0	109,500	Oct.
1,684,000	266,000	0	4,000	0	0	365	106,500	0	106,500	Nov.
2,310,000	261,000	192,000	0	492,000	0	386	105,600	77,300	182,900	Dec.
	3,290,000	192,000	66,000	492,000	0	371	109,100	6,500	115,600	Total or average
1921										
2,486,000	233,000	288,000	0	971,000	0	385	94,100	115,900	210,000	Jan.
2,486,000	220,000	250,000	0	565,000	0	385	98,500	111,500	210,000	Feb.
2,486,000	248,000	270,000	0	464,000	0	386	100,500	103,500	210,000	Mar.
2,486,000	246,000	59,000	7,000	43,000	0	395	105,300	24,400	123,700	April
2,690,000	270,000	122,000	10,000	0	0	404	113,300	51,100	164,400	May
2,781,000	276,000	80,000	11,000	0	0	404	119,700	34,700	154,400	June
2,730,000	290,000	36,000	14,000	0	0	400	121,100	15,100	133,200	July
2,610,000	296,000	28,000	12,000	0	0	394	122,300	11,600	133,900	Aug.
2,466,000	276,000	18,000	9,000	0	0	388	115,800	7,500	123,300	Sept.
2,338,000	272,000	9,000	7,000	0	0	382	109,500	3,600	113,100	Oct.
2,246,000	259,000	29,000	4,000	0	0	378	106,500	11,900	118,400	Nov.
2,159,000	268,000	120,000	0	0	0	373	105,600	47,200	152,800	Dec.
	3,154,000	1,309,000	74,000	2,043,000	0	390	109,400	45,100	154,500	Total or average
1922										
2,161,000	237,000	0	0	0	0	376	94,100	0	94,100	Jan.
2,224,000	221,000	62,000	0	134,000	0	383	98,500	28,000	126,500	Feb.
2,486,000	246,000	232,000	0	82,000	0	390	100,500	97,300	197,800	Mar.
2,486,000	247,000	59,000	7,000	80,000	0	395	105,300	24,400	123,700	April
2,697,000	270,000	178,000	10,000	0	0	405	113,300	74,900	188,200	May
2,815,000	276,000	116,000	11,000	0	0	404	119,700	50,300	170,000	June
2,730,000	290,000	19,000	14,000	0	0	400	121,100	7,900	129,000	July
2,610,000	296,000	18,000	12,000	0	0	394	122,300	7,400	129,700	Aug.
2,466,000	276,000	4,000	9,000	0	0	388	115,800	1,700	117,500	Sept.
2,338,000	272,000	21,000	7,000	0	0	382	109,500	8,500	118,000	Oct.
2,246,000	259,000	68,000	4,000	0	0	378	106,500	27,900	134,400	Nov.
2,159,000	269,000	197,000	0	0	0	372	105,600	76,900	182,500	Dec.
	3,159,000	981,000	74,000	296,000	0	389	109,400	33,900	143,300	Total or average

TABLE 4a (Concluded). KENNETT
COMPARISON OF WATER AND POWER YIELD, OPERATING PRI
FOR
TWO METHODS OF

Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Estimated run-off at dam site in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 ac.-ft.									
		Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)		
			Primary	Secondary					*Primary	Secondary	Total
1923											
Jan.	467,000	2,328,000	240,000	130,000	0	0	0	385	97,400	52,400	149,800
Feb.	237,000	2,425,000	225,000	0	0	0	0	390	101,900	0	101,900
Mar.	287,000	2,497,000	253,000	0	0	0	0	393	104,200	0	104,200
April	632,000	2,531,000	250,000	0	7,000	0	0	405	109,000	0	109,000
May	322,000	2,906,000	275,000	3,000	10,000	0	0	412	117,500	1,300	118,800
June	236,000	2,940,000	282,000	0	12,000	0	0	412	124,200	0	124,200
July	184,000	2,882,000	297,000	0	14,000	0	0	408	125,400	0	125,400
Aug.	165,000	2,755,000	303,000	0	13,000	0	0	402	126,700	0	126,700
Sept.	157,000	2,604,000	282,000	0	10,000	0	0	394	120,000	0	120,000
Oct.	187,000	2,469,000	278,000	0	7,000	0	0	388	113,400	0	113,400
Nov.	176,000	2,371,000	264,000	0	5,000	0	0	384	110,300	0	110,300
Dec.	184,000	2,278,000	274,000	0	0	0	0	379	109,400	0	109,400
Total or average	3,294,000		3,223,000	133,000	78,000	0	0	398	113,400	4,600	118,000
1924											
Jan.	203,000	2,188,000	245,000	0	0	0	0	376	97,400	0	97,400
Feb.	332,000	2,146,000	231,000	0	0	0	0	378	98,400	0	98,400
Mar.	200,000	2,247,000	260,000	0	0	0	0	379	104,200	0	104,200
April	176,000	2,187,000	266,000	0	6,000	0	0	374	109,000	0	109,000
May	155,000	2,091,000	301,000	0	8,000	0	0	367	117,500	0	117,500
June	141,000	1,937,000	315,000	0	9,000	0	0	358	124,200	0	124,200
July	140,000	1,754,000	341,000	0	10,000	0	0	345	125,400	0	125,400
Aug.	140,000	1,543,000	360,000	0	8,000	0	0	330	126,700	0	126,700
Sept.	128,000	1,315,000	349,000	0	6,000	0	0	312	120,000	0	120,000
Oct.	178,000	1,088,000	363,000	0	4,000	0	0	293	113,400	0	113,400
Nov.	317,000	899,000	356,000	0	2,000	0	0	282	110,300	0	110,300
Dec.	321,000	858,000	372,000	0	0	0	0	277	109,400	0	109,400
Total or average	2,431,000		3,759,000	0	53,000	0	0	339	113,000	0	113,000
1925											
Jan.	301,000	807,000	336,000	0	0	0	0	273	97,400	0	97,400
Feb.	1,769,000	772,000	264,000	0	0	0	0	326	101,900	0	101,900
Mar.	563,000	2,277,000	255,000	0	0	0	0	389	104,200	0	104,200
April	926,000	2,585,000	250,000	124,000	7,000	0	190,000	403	109,000	53,800	162,800
May	474,000	2,940,000	276,000	167,000	10,000	0	21,000	412	117,500	70,800	188,300
June	276,000	2,940,000	282,000	40,000	12,000	0	0	411	124,200	17,500	141,700
July	173,000	2,882,000	297,000	0	14,000	0	0	408	125,400	0	125,400
Aug.	167,000	2,744,000	304,000	0	13,000	0	0	400	126,700	0	126,700
Sept.	163,000	2,594,000	282,000	0	10,000	0	0	394	120,000	0	120,000
Oct.	181,000	2,465,000	278,000	0	7,000	0	0	388	113,400	0	113,400
Nov.	192,000	2,361,000	264,000	6,000	5,000	0	0	384	110,300	2,500	112,800
Dec.	235,000	2,278,000	273,000	0	0	0	0	380	109,400	0	109,400
Total or average	5,420,000		3,361,000	337,000	78,000	0	211,000	381	113,400	12,100	125,500
Total for 30-year period, 1896-1926	188,012,000		97,481,000	37,094,000	2,300,000	40,414,000	10,739,000				
Average for 30-year period, 1896-1926	6,267,000		3,249,000	1,236,000	77,000	1,347,000	358,000	393.8	113,400	43,400	156,800

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

MARILY FOR POWER GENERATION WITH INCIDENTAL IRRIGATION

FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 4, page 114.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.										Year and month
Stage of reservoir at beginning of month in acre-feet	Power draft through turbines in acre-feet		Evapora- tion in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Average power head in feet	Average power yield in kilowatts (Load factor=0.75)			
	Primary	Second- ary					*Primary	Second- ary	Total	
2,155,000	235,000	0	0	0	0	380	94,100	0	94,100	1923
2,387,000	218,000	0	0	0	0	390	98,500	0	98,500	Jan.
2,466,000	245,000	22,000	0	0	0	392	100,500	9,000	109,500	Feb.
2,486,000	246,000	49,000	7,000	77,000	0	398	105,300	20,600	125,900	Mar.
2,739,000	270,000	0	10,000	0	0	406	113,300	0	113,300	April
2,781,000	276,000	0	11,000	0	0	405	119,700	0	119,700	May
2,730,000	290,000	0	14,000	0	0	401	121,100	0	121,100	June
2,610,000	297,000	0	12,000	0	0	394	122,300	0	122,300	July
2,466,000	276,000	0	9,000	0	0	388	115,800	0	115,800	Aug.
2,338,000	272,000	0	7,000	0	0	382	109,500	0	109,500	Sept.
2,246,000	259,000	0	4,000	0	0	378	106,500	0	106,500	Oct.
2,159,000	268,000	0	0	0	0	372	105,600	0	105,600	Nov.
	3,152,000	71,000	74,000	77,000	0	390	109,400	2,500	111,900	Dec. Total or average
2,075,000	240,000	0	0	0	0	370	94,100	0	94,100	1924
2,038,000	226,000	0	0	0	0	372	95,100	0	95,100	Jan.
2,144,000	255,000	0	0	0	0	374	100,500	0	100,500	Feb.
2,089,000	261,000	0	6,000	0	0	369	105,300	0	105,300	Mar.
1,998,000	295,000	0	8,000	0	0	362	113,300	0	113,300	April
1,850,000	309,000	0	9,000	0	0	352	119,700	0	119,700	May
1,673,000	334,000	0	10,000	0	0	340	121,100	0	121,100	June
1,460,000	354,000	0	8,000	0	0	324	122,300	0	122,300	July
1,247,000	343,000	0	6,000	0	0	306	115,800	0	115,800	Aug.
1,026,000	357,000	0	4,000	0	0	288	109,500	0	109,500	Sept.
843,000	351,000	0	2,000	0	0	276	106,500	0	106,500	Oct.
807,000	367,000	0	0	0	0	272	105,600	0	105,600	Nov.
	3,692,000	0	53,000	0	0	334	109,100	0	109,100	Dec. Total or average
761,000	332,000	0	0	0	0	268	94,100	0	94,100	1925
730,000	258,000	0	0	0	0	323	98,500	0	98,500	Jan.
2,241,000	247,000	54,000	0	17,000	0	388	100,500	21,900	122,400	Feb.
2,486,000	245,000	155,000	7,000	130,000	0	399	105,300	66,500	171,800	Mar.
2,875,000	268,000	231,000	10,000	0	0	408	113,300	96,700	210,000	April
2,840,000	275,000	99,000	12,000	0	0	405	119,700	42,900	162,600	May
2,730,000	291,000	0	14,000	0	0	400	121,100	0	121,100	June
2,598,000	298,000	0	12,000	0	0	394	122,300	0	122,300	July
2,455,000	276,000	0	9,000	0	0	387	115,800	0	115,800	Aug.
2,333,000	272,000	0	7,000	0	0	382	109,500	0	109,500	Sept.
2,235,000	259,000	5,000	4,000	0	0	377	106,500	2,100	108,600	Oct.
2,159,000	269,000	50,000	0	0	0	372	105,600	19,600	125,200	Nov.
	3,290,000	594,000	75,000	147,000	0	375	109,400	20,900	130,300	Dec. Total or average
95,438,000	40,980,000		2,208,000	45,734,000	3,652,000					Total for 30-year period, 1896-1926
3,181,000	1,366,000		74,000	1,524,000	122,000	386.9	109,400	47,300	156,700	Average for 30-year period, 1896-1926

TABLE 5a. KENNETT RESER
SUMMARY OF POWER YIELD BY MONTHS

Summary of Tables
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Operating primarily for power generation with incidental irrigation Average power yield in kilowatts (Load factor=0.75)								
	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			With flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.		
	*Primary	Secondary	Total	*Primary	Secondary	Total	*Primary	Secondary	Total
1896									
Jan.	97,400	40,500	137,900	97,400	47,200	144,600	94,100	52,300	146,400
Feb.	98,400	78,000	176,400	98,400	22,300	120,700	95,100	79,300	174,400
Mar.	104,200	91,100	195,300	104,200	20,400	124,600	100,500	91,400	191,900
April	109,000	101,000	210,000	109,000	101,000	210,000	100,300	40,000	140,300
May	117,500	92,500	210,000	117,500	92,500	210,000	113,300	96,700	210,000
June	124,200	85,800	210,000	124,200	85,800	210,000	119,700	90,300	210,000
July	125,400	63,700	189,100	125,400	63,700	189,100	121,100	88,900	210,000
Aug.	126,700	42,500	169,200	126,700	42,500	169,200	122,300	81,600	203,900
Sept.	120,000	42,800	162,800	120,000	42,800	162,800	115,800	41,800	157,600
Oct.	113,400	30,500	143,900	113,400	30,500	143,900	109,500	30,100	139,600
Nov.	110,300	66,800	177,100	110,300	66,800	177,100	106,500	69,700	176,200
Dec.	109,400	100,600	210,000	109,400	100,600	210,000	105,600	104,400	210,000
Total or average	113,000	69,500	182,500	113,000	59,700	172,700	109,100	73,600	182,100
1897									
Jan.	97,400	55,000	152,400	97,400	71,000	168,400	94,100	83,300	177,400
Feb.	101,900	108,100	210,000	101,900	108,100	210,000	98,500	111,500	210,000
Mar.	104,200	105,800	210,000	104,200	53,200	157,400	100,500	107,000	207,500
April	109,000	101,000	210,000	109,000	81,400	190,400	105,300	66,500	171,800
May	117,500	82,500	200,000	117,500	82,500	200,000	113,300	96,700	210,000
June	124,200	32,100	156,300	124,200	32,100	156,300	119,700	90,300	210,000
July	125,400	37,900	163,300	125,400	37,900	163,300	121,100	37,600	158,700
Aug.	126,700	36,200	162,900	126,700	36,200	162,900	122,300	36,200	158,500
Sept.	120,000	38,200	158,200	120,000	38,200	158,200	115,800	37,200	153,000
Oct.	113,400	30,500	143,900	113,400	30,500	143,900	109,500	30,100	139,600
Nov.	110,300	40,300	150,600	110,300	40,300	150,600	106,500	40,300	146,800
Dec.	109,400	45,200	154,600	109,400	45,200	154,600	105,600	71,500	177,100
Total or average	113,400	59,100	172,500	113,400	54,300	167,700	109,400	67,100	176,500
1898									
Jan.	97,400	0	97,400	97,400	0	97,400	94,100	0	94,100
Feb.	101,900	0	101,900	101,900	0	101,900	98,500	0	98,500
Mar.	104,200	0	104,200	104,200	0	104,200	100,500	0	100,500
April	109,000	0	109,000	109,000	0	109,000	105,300	0	105,300
May	117,500	0	117,500	117,500	0	117,500	113,300	0	113,300
June	124,200	0	124,200	124,200	0	124,200	119,700	0	119,700
July	125,400	0	125,400	125,400	0	125,400	121,100	0	121,100
Aug.	126,700	0	126,700	126,700	0	126,700	122,300	0	122,300
Sept.	120,000	0	120,000	120,000	0	120,000	115,800	0	115,800
Oct.	113,400	0	113,400	113,400	0	113,400	109,500	0	109,500
Nov.	110,300	8,800	119,100	110,300	8,800	119,100	106,500	5,300	111,800
Dec.	109,400	0	109,400	109,400	0	109,400	105,600	13,000	118,600
Total or average	113,400	700	114,100	113,400	700	114,100	109,400	1,500	110,900
1899									
Jan.	97,400	0	97,400	97,400	18,400	115,800	94,100	0	94,100
Feb.	101,900	0	101,900	101,900	0	101,900	98,500	0	98,500
Mar.	104,200	27,300	131,500	104,200	23,900	128,100	100,500	85,900	186,400
April	109,000	76,300	185,300	109,000	61,500	170,500	105,300	24,400	129,700
May	117,500	18,800	136,300	117,500	18,800	136,300	113,300	0	113,300
June	124,200	25,700	149,900	124,200	25,700	149,900	119,700	0	119,700
July	125,400	23,100	148,500	125,400	23,100	148,500	121,100	0	121,100
Aug.	126,700	24,200	150,900	126,700	24,200	150,900	122,300	23,400	145,700
Sept.	120,000	16,900	136,900	120,000	16,900	136,900	115,800	16,800	132,600
Oct.	113,400	26,500	139,900	113,400	26,500	139,900	109,500	26,100	135,600
Nov.	110,300	77,900	188,200	110,300	77,900	188,200	106,500	80,700	187,200
Dec.	109,400	100,600	210,000	109,400	100,600	210,000	105,600	104,400	210,000
Total or average	113,400	34,900	148,300	113,400	35,000	148,400	109,400	30,400	139,800

*Total primary power production in February of leap years taken the same as in other years.

VOIR ON SACRAMENTO RIVER.

BOTH WITH AND WITHOUT FLOOD CONTROL.

1a, 2a and 4a.

mary, see Table 5, page 116.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Operating primarily for irrigation with incidental power generation Seasonal irrigation yield 4,276,000 acre-feet. (Deficiency in supply one year in ten, no deduction for downstream prior rights). Average power yield in kilowatts (Load factor=1.00)						Year and month
Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			
Primary	Secondary	Total	Primary	Secondary	Total	
						1896
0	89,900	89,900	0	99,100	99,100	Jan.
0	199,400	199,400	0	104,000	104,000	Feb.
0	225,300	225,300	0	134,900	134,900	Mar.
0	275,800	275,800	0	275,800	275,800	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	176,100	176,100	0	176,100	176,100	Sept.
0	56,200	56,200	0	56,200	56,200	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	178,400	178,400	0	164,000	164,000	Total or average
						1897
0	59,800	59,800	0	195,700	195,700	Jan.
0	280,000	280,000	0	276,000	276,000	Feb.
0	254,600	254,600	0	171,600	171,600	Mar.
0	280,000	280,000	0	242,100	242,100	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	264,400	264,400	0	264,400	264,400	Aug.
0	152,400	152,400	0	152,400	152,400	Sept.
0	48,000	48,000	0	48,000	48,000	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	180,800	180,800	0	181,900	181,900	Total or average
						1898
0	0	0	0	0	0	Jan.
0	0	0	0	0	0	Feb.
0	17,300	17,300	0	17,300	17,300	Mar.
0	91,000	91,000	0	91,000	91,000	April
0	275,000	275,000	0	275,000	275,000	May
0	280,000	280,000	0	280,000	280,000	June
0	260,200	260,200	0	260,200	260,200	July
0	162,000	162,000	0	162,000	162,000	Aug.
0	0	0	0	0	0	Sept.
0	0	0	0	0	0	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	91,200	91,200	0	91,200	91,200	Total or average
						1899
0	0	0	0	0	0	Jan.
0	0	0	0	0	0	Feb.
0	15,900	15,900	0	15,900	15,900	Mar.
0	89,300	89,300	0	89,300	89,300	April
0	272,400	272,400	0	272,400	272,400	May
0	280,000	280,000	0	280,000	280,000	June
0	252,000	252,000	0	252,000	252,000	July
0	146,100	146,100	0	146,100	146,100	Aug.
0	0	0	0	0	0	Sept.
0	0	0	0	0	0	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	88,700	88,700	0	88,700	88,700	Total or average

TABLE 5a (Continued). KENNETT
SUMMARY OF POWER YIELD BY MONTHS

Summary of Tables
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Operating primarily for power generation with incidental irrigation Average power yield in kilowatts (Load factor=0.75)								
	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			With flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.		
	*Primary	Secondary	Total	*Primary	Secondary	Total	*Primary	Secondary	Total
1900									
Jan.	97,400	103,500	200,900	97,400	110,900	208,300	94,100	112,900	207,000
Feb.	101,900	62,500	164,400	101,900	22,000	123,900	98,500	64,900	163,400
Mar.	104,200	102,400	206,600	104,200	43,800	148,000	100,500	104,200	204,700
April	109,000	80,300	189,300	109,000	33,900	142,900	105,300	20,700	126,000
May	117,500	46,600	164,100	117,500	46,600	164,100	113,300	0	113,300
June	124,200	4,900	129,100	124,200	4,900	129,100	119,700	0	119,700
July	125,400	14,800	140,200	125,400	14,800	140,200	121,100	14,700	135,800
Aug.	126,700	17,900	144,600	126,700	17,900	144,600	122,300	18,100	140,400
Sept.	120,000	18,800	138,800	120,000	18,800	138,800	115,800	18,500	134,300
Oct.	113,400	49,200	162,600	113,400	49,200	162,600	109,500	48,500	158,000
Nov.	110,300	59,700	170,000	110,300	59,700	170,000	106,500	61,900	168,400
Dec.	109,400	89,000	198,400	109,400	89,000	198,400	105,600	99,200	204,800
Total or average	113,400	54,200	167,600	113,400	42,900	156,300	109,400	47,100	156,500
1901									
Jan.	97,400	39,900	137,300	97,400	101,600	199,000	94,100	115,900	210,000
Feb.	101,900	104,200	206,100	101,900	99,400	201,300	98,500	103,800	202,300
Mar.	104,200	103,800	208,000	104,200	52,400	156,600	100,500	105,000	205,500
April	109,000	51,000	160,000	109,000	0	109,000	105,300	15,400	120,700
May	117,500	51,100	168,600	117,500	28,500	146,000	113,300	0	113,300
June	124,200	1,800	126,000	124,200	1,800	126,000	119,700	0	119,700
July	125,400	14,200	139,600	125,400	14,200	139,600	121,100	0	121,100
Aug.	126,700	17,100	143,800	126,700	17,100	143,800	122,300	0	122,300
Sept.	120,000	18,200	138,200	120,000	18,200	138,200	115,800	20,600	136,400
Oct.	113,400	11,400	124,800	113,400	11,400	124,800	109,500	11,300	120,800
Nov.	110,300	42,500	152,800	110,300	42,500	152,800	106,500	43,300	149,800
Dec.	109,400	100,600	210,000	109,400	100,600	210,000	105,600	104,400	210,000
Total or average	113,400	46,300	159,700	113,400	40,400	153,800	109,400	43,400	152,800
1902									
Jan.	97,400	0	97,400	97,400	0	97,400	94,100	0	94,100
Feb.	101,900	69,300	171,200	101,900	77,100	179,000	98,500	79,800	178,300
Mar.	104,200	105,800	210,000	104,200	75,300	179,500	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	81,500	190,500	105,300	73,500	178,800
May	117,500	91,400	208,900	117,500	91,400	208,900	113,300	95,700	210,000
June	124,200	71,700	195,900	124,200	71,700	195,900	119,700	90,300	210,000
July	125,400	29,000	154,400	125,400	29,000	154,400	121,100	78,800	199,900
Aug.	126,700	28,400	155,100	126,700	28,400	155,100	122,300	27,800	150,100
Sept.	120,000	11,400	131,400	120,000	11,400	131,400	115,800	11,400	127,200
Oct.	113,400	19,500	132,900	113,400	19,500	132,900	109,500	19,200	128,700
Nov.	110,300	81,100	191,400	110,300	81,100	191,400	106,500	81,300	190,800
Dec.	109,400	100,600	210,000	109,400	100,600	210,000	105,600	104,400	210,000
Total or average	113,400	58,900	172,300	113,400	55,300	168,700	109,400	64,500	173,900
1903									
Jan.	97,400	90,300	187,700	97,400	106,900	204,300	94,100	89,500	183,600
Feb.	101,900	108,100	210,000	101,900	100,100	202,000	98,500	111,500	210,000
Mar.	104,200	105,800	210,000	104,200	99,600	203,800	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	98,100	207,100	105,300	41,900	147,200
May	117,500	64,700	182,200	117,500	64,700	182,200	113,300	60,600	173,900
June	124,200	18,300	142,500	124,200	18,300	142,500	119,700	18,600	138,300
July	125,400	19,800	145,200	125,400	19,800	145,200	121,100	19,600	140,700
Aug.	126,700	16,300	143,000	126,700	16,300	143,000	122,300	16,500	138,800
Sept.	120,000	7,200	127,200	120,000	7,200	127,200	115,800	7,100	122,900
Oct.	113,400	4,800	118,200	113,400	4,800	118,200	109,500	4,800	114,300
Nov.	110,300	65,600	175,900	110,300	65,600	175,900	106,500	68,200	174,700
Dec.	109,400	100,600	210,000	109,400	95,300	204,700	105,600	104,400	210,000
Total or average	113,400	58,200	171,600	113,400	57,800	171,200	109,400	51,100	163,500

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

BOTH WITH AND WITHOUT FLOOD CONTROL.

1a, 2a and 4a.

mary, see Table 5, page 116.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Operating primarily for irrigation with incidental power generation Seasonal irrigation yield 4,276,000 acre-feet. (Deficiency in supply one year in ten, no deduction for downstream prior rights). Average power yield in kilowatts (Load factor=1.00)						Year and month
Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			
Primary	Secondary	Total	Primary	Secondary	Total	
1900						
0	0	0	0	73,800	73,800	Jan.
0	57,300	57,300	0	125,100	125,100	Feb.
0	247,400	247,400	0	137,400	137,400	Mar.
0	197,800	197,800	0	170,600	170,600	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	232,500	232,500	0	232,500	232,500	Aug.
0	124,400	124,400	0	124,400	124,400	Sept.
0	38,200	38,200	0	38,200	38,200	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	145,500	145,500	0	145,300	145,300	Total or average
1901						
0	0	0	0	0	0	Jan.
0	89,700	89,700	0	214,700	214,700	Feb.
0	248,800	248,800	0	159,100	159,100	Mar.
0	165,000	165,000	0	105,000	105,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	230,900	230,900	0	230,900	230,900	Aug.
0	123,100	123,100	0	123,100	123,100	Sept.
0	35,900	35,900	0	35,900	35,900	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	144,900	144,900	0	142,000	142,000	Total or average
1902						
0	0	0	0	0	0	Jan.
0	110,100	110,100	0	149,600	149,600	Feb.
0	273,700	273,700	0	218,000	218,000	Mar.
0	277,200	277,200	0	241,500	241,500	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	160,600	160,600	0	160,600	160,600	Sept.
0	50,000	50,000	0	50,000	50,000	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	166,300	166,300	0	161,600	161,600	Total or average
1903						
0	63,000	63,000	0	178,800	178,800	Jan.
0	265,500	265,500	0	237,600	237,600	Feb.
0	280,000	280,000	0	252,000	252,000	Mar.
0	266,400	266,400	0	253,900	253,900	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	242,700	242,700	0	242,700	242,700	Aug.
0	131,700	131,700	0	131,700	131,700	Sept.
0	38,300	38,300	0	38,300	38,300	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	176,700	176,700	0	181,000	181,000	Total or average

TABLE 5a (Continued). KENNETT
SUMMARY OF POWER YIELD BY MONTHS
Summary of Tables
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Operating primarily for power generation with incidental irrigation Average power yield in kilowatts (Load factor=0.75)								
	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			With flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.		
	*Primary	Secondary	Total	*Primary	Secondary	Total	*Primary	Secondary	Total
1904									
Jan.	97,400	80,000	177,400	97,400	94,500	191,900	94,100	82,300	176,400
Feb.	98,400	92,400	190,800	98,400	70,500	168,900	95,100	89,400	184,500
Mar.	104,200	105,800	210,000	104,200	105,800	210,000	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	101,000	210,000	105,300	84,000	189,300
May	117,500	92,500	210,000	117,500	92,500	210,000	113,300	96,700	210,000
June	124,200	85,800	210,000	124,200	85,800	210,000	119,700	90,300	210,000
July	125,400	84,600	210,000	125,400	84,600	210,000	121,100	88,900	210,000
Aug.	126,700	51,600	181,300	126,700	51,600	181,300	122,300	87,700	210,000
Sept.	120,000	48,300	168,300	120,000	48,300	168,300	115,800	74,600	190,400
Oct.	113,400	81,900	195,300	113,400	81,900	195,300	109,500	100,500	210,000
Nov.	110,300	99,700	210,000	110,300	99,700	210,000	105,500	101,500	208,000
Dec.	109,400	100,600	210,000	109,400	100,600	210,000	105,600	101,500	207,100
Total or average	113,000	85,600	198,600	113,000	85,100	198,100	109,100	92,300	201,400
1905									
Jan.	97,400	36,300	133,700	97,400	72,600	170,000	91,100	63,600	157,700
Feb.	101,900	108,100	210,000	101,900	103,600	205,500	98,500	111,500	210,000
Mar.	104,200	105,800	210,000	104,200	98,400	202,600	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	101,000	210,000	105,300	45,600	150,900
May	117,500	87,600	205,100	117,500	87,600	205,100	113,300	88,200	201,500
June	124,200	59,100	180,300	124,200	56,100	180,300	119,700	73,800	193,500
July	125,400	35,500	160,900	125,400	35,500	160,900	121,100	34,900	156,000
Aug.	126,700	29,200	155,900	126,700	29,200	155,900	122,300	28,800	151,100
Sept.	120,000	21,700	141,700	120,000	21,700	141,700	115,800	21,400	137,200
Oct.	113,400	13,800	127,200	113,400	13,800	127,200	109,500	13,700	123,200
Nov.	110,300	21,900	132,200	110,300	21,900	132,200	106,500	21,800	128,300
Dec.	109,400	0	109,400	109,400	0	109,400	105,600	25,500	131,100
Total or average	113,400	51,000	164,400	113,400	53,100	166,500	109,400	52,800	162,200
1906									
Jan.	97,400	0	97,400	97,400	21,600	119,000	94,100	44,400	138,500
Feb.	101,900	64,700	166,600	101,900	63,700	165,600	98,500	95,800	194,300
Mar.	104,200	105,800	210,000	104,200	98,900	203,100	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	101,000	210,000	105,300	61,500	166,800
May	117,500	92,500	210,000	117,500	92,500	210,000	113,300	96,700	210,000
June	124,200	85,800	210,000	124,200	85,800	210,000	119,700	90,300	210,000
July	125,400	84,600	210,000	125,400	84,600	210,000	121,100	88,900	210,000
Aug.	126,700	61,700	188,400	126,700	61,700	188,400	122,300	87,700	210,000
Sept.	120,000	37,800	157,800	120,000	37,800	157,800	115,800	72,200	188,000
Oct.	113,400	26,100	139,500	113,400	26,100	139,500	109,500	25,700	135,200
Nov.	110,300	32,800	143,100	110,300	32,800	143,100	106,500	32,900	139,400
Dec.	109,400	74,300	183,700	109,400	74,300	183,700	105,600	84,700	190,300
Total or average	113,400	63,900	177,300	113,400	65,100	178,500	109,400	74,100	183,500
1907									
Jan.	97,400	18,500	115,900	97,400	100,300	197,700	94,100	100,900	195,000
Feb.	101,900	108,100	210,000	101,900	108,100	210,000	98,500	111,500	210,000
Mar.	104,200	105,800	210,000	104,200	105,800	210,000	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	101,000	210,000	105,300	84,000	189,300
May	117,500	92,500	210,000	117,500	92,500	210,000	113,300	96,700	210,000
June	124,200	78,200	202,400	124,200	78,200	202,400	119,700	90,300	210,000
July	125,400	62,600	188,000	125,400	62,600	188,000	121,100	88,900	210,000
Aug.	126,700	52,000	178,700	126,700	52,000	178,700	122,300	83,600	205,900
Sept.	120,000	40,300	160,300	120,000	40,300	160,300	115,800	39,300	155,100
Oct.	113,400	30,100	143,500	113,400	30,100	143,500	109,500	29,700	139,200
Nov.	110,300	33,300	143,600	110,300	33,300	143,600	106,500	32,900	139,400
Dec.	109,400	55,100	164,500	109,400	55,100	164,500	105,600	76,200	181,800
Total or average	113,400	64,500	177,900	113,400	71,400	184,800	109,400	78,500	187,900

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

BOTH WITH AND WITHOUT FLOOD CONTROL.

1a, 2a and 4a.

mary, see Table 5, page 116.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Operating primarily for irrigation with incidental power generation Seasonal irrigation yield 4,276,000 acre-feet. (Deficiency in supply one year in ten, no deduction for downstream prior rights). Average power yield in kilowatts (Load factor=1.00)						Year and month
Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			
Primary	Secondary	Total	Primary	Secondary	Total	
						1904
0	0	0	0	0	0	Jan.
0	125,100	125,100	0	155,300	155,300	Feb.
0	280,000	280,000	0	280,000	280,000	Mar.
0	280,000	280,000	0	280,000	280,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	178,300	178,300	0	178,300	178,300	Sept.
0	58,600	58,600	0	58,600	58,600	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	170,200	170,200	0	172,600	172,600	Total or average
						1905
0	132,100	132,100	0	222,700	222,700	Jan.
0	278,300	278,300	0	268,600	268,600	Feb.
0	273,500	273,500	0	250,900	250,900	Mar.
0	270,800	270,800	0	270,800	270,800	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	270,200	270,200	0	270,200	270,200	Aug.
0	153,800	153,800	0	153,800	153,800	Sept.
0	47,600	47,600	0	47,600	47,600	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	188,300	188,300	0	193,300	193,300	Total or average
						1906
0	0	0	0	0	0	Jan.
0	0	0	0	53,300	53,300	Feb.
0	280,000	280,000	0	257,900	257,900	Mar.
0	280,000	280,000	0	280,000	280,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	186,000	186,000	0	186,000	186,000	Sept.
0	59,300	59,300	0	59,300	59,300	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	161,500	161,500	0	163,700	163,700	Total or average
						1907
0	59,100	59,100	0	219,600	219,600	Jan.
0	280,000	280,000	0	280,000	280,000	Feb.
0	280,000	280,000	0	278,600	278,600	Mar.
0	280,000	280,000	0	280,000	280,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	169,700	169,700	0	169,700	169,700	Sept.
0	53,900	53,900	0	53,900	53,900	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	186,200	186,200	0	199,700	199,700	Total or average

TABLE 5a (Continued). KENNETT
SUMMARY OF POWER YIELD BY MONTHS
Summary of Tables

(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Operating primarily for power generation with incidental irrigation Average power yield in kilowatts (Load factor=0.75)								
	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			With flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.		
	*Primary	Secondary	Total	*Primary	Secondary	Total	*Primary	Secondary	Total
1908									
Jan.	97,400	20,200	117,600	97,400	38,300	135,700	94,100	48,500	142,600
Feb.	98,400	111,600	210,000	98,400	90,800	189,200	95,100	111,600	206,700
Mar.	104,200	105,800	210,000	104,200	36,300	140,500	100,500	109,400	209,900
April	109,000	98,100	207,100	109,000	58,300	167,300	105,300	20,700	126,000
May	117,500	79,600	197,100	117,500	79,600	197,100	113,300	59,000	172,300
June	124,200	45,100	169,300	124,200	45,100	169,300	119,700	45,100	164,800
July	125,400	31,600	157,000	125,400	31,600	157,000	121,100	31,200	152,300
Aug.	126,700	28,200	152,900	126,700	26,200	152,900	122,300	25,900	148,200
Sept.	120,000	20,400	140,400	120,000	20,400	140,400	115,800	20,100	135,900
Oct.	113,400	19,500	132,900	113,400	19,500	132,900	109,500	19,200	128,700
Nov.	110,300	33,800	144,100	110,300	33,800	144,100	106,500	33,300	139,800
Dec.	109,400	5,900	115,300	109,400	5,900	115,300	105,600	32,300	137,900
Total or average	113,000	49,500	162,500	113,000	40,200	153,200	109,100	46,200	155,300
1909									
Jan.	97,400	76,200	173,600	97,400	87,100	184,500	94,100	89,700	183,800
Feb.	101,900	108,100	210,000	101,900	108,100	210,000	98,500	111,500	210,000
Mar.	104,200	105,800	210,000	104,200	81,700	185,900	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	100,100	209,100	105,300	52,500	157,800
May	117,500	91,500	209,000	117,500	91,500	209,000	113,300	96,700	210,000
June	124,200	74,900	199,100	124,200	74,900	199,100	119,700	90,300	210,000
July	125,400	51,700	177,100	125,400	51,700	177,100	121,100	70,800	191,900
Aug.	126,700	40,900	167,600	126,700	40,900	167,600	122,300	40,300	162,600
Sept.	120,000	37,800	157,800	120,000	37,800	157,800	115,800	36,800	152,600
Oct.	113,400	39,400	152,800	113,400	39,400	152,800	109,500	38,400	147,900
Nov.	110,300	72,500	182,800	110,300	72,500	182,800	106,500	73,600	180,100
Dec.	109,400	100,600	210,000	109,400	100,600	210,000	105,600	104,400	210,000
Total or average	113,400	74,800	188,200	113,400	73,600	187,000	109,400	76,100	185,500
1910									
Jan.	97,400	29,000	126,400	97,400	57,000	154,400	94,100	93,800	187,900
Feb.	101,900	108,100	210,000	101,900	62,900	164,800	98,500	111,500	210,000
Mar.	104,200	105,800	210,000	104,200	100,400	204,600	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	101,000	210,000	105,300	38,800	144,100
May	117,500	54,400	171,900	117,500	54,400	171,900	113,300	39,400	152,700
June	124,200	20,100	144,300	124,200	20,100	144,300	119,700	20,400	140,100
July	125,400	29,400	154,800	125,400	29,400	154,800	121,100	29,200	150,300
Aug.	126,700	29,200	155,900	126,700	29,200	155,900	122,300	28,800	151,100
Sept.	120,000	24,200	144,200	120,000	24,200	144,200	115,800	23,900	139,700
Oct.	113,400	17,900	131,300	113,400	17,900	131,300	109,500	17,700	127,200
Nov.	110,300	40,300	150,600	110,300	40,300	150,600	106,500	40,300	146,800
Dec.	109,400	73,400	182,800	109,400	73,000	182,400	105,600	98,500	204,100
Total or average	113,400	52,300	165,700	113,400	50,800	164,200	109,400	54,100	163,500
1911									
Jan.	97,400	0	97,400	97,400	7,300	104,700	94,100	3,800	97,900
Feb.	101,900	88,100	190,000	101,900	75,000	176,900	98,500	111,500	210,000
Mar.	104,200	104,400	208,600	104,200	100,900	205,100	100,500	107,700	208,200
April	109,000	101,000	210,000	109,000	101,000	210,000	105,300	70,000	175,300
May	117,500	92,500	210,000	117,500	92,500	210,000	113,300	96,700	210,000
June	124,200	79,600	203,800	124,200	79,600	203,800	119,700	90,300	210,000
July	125,400	42,900	168,300	125,400	42,900	168,300	121,100	88,900	210,000
Aug.	126,700	32,500	159,200	126,700	32,500	159,200	122,300	43,500	165,800
Sept.	120,000	30,700	150,700	120,000	30,700	150,700	115,800	30,600	146,400
Oct.	113,400	24,100	137,500	113,400	24,100	137,500	109,500	23,700	133,200
Nov.	110,300	26,900	137,200	110,300	26,900	137,200	106,500	26,700	133,200
Dec.	109,400	0	109,400	109,400	0	109,400	105,600	23,300	128,900
Total or average	113,400	51,500	164,900	113,400	50,800	164,200	109,400	59,300	168,700

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

BOTH WITH AND WITHOUT FLOOD CONTROL.

1a, 2a and 4a.

mary, see Table 5, page 116.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Operating primarily for irrigation with incidental power generation Seasonal irrigation yield 4,276,000 acre-feet. (Deficiency in supply one year in ten, no deduction for downstream prior rights). Average power yield in kilowatts (Load factor=1.00)						Year and month
Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			
Primary	Secondary	Total	Primary	Secondary	Total	
						1908
0	0	0	0	18,100	18,100	Jan.
0	213,100	213,100	0	232,200	232,200	Feb.
0	264,300	264,300	0	128,900	128,900	Mar.
0	227,900	227,900	0	207,800	207,800	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	258,500	258,500	0	258,500	258,500	Sept.
0	146,000	146,000	0	146,000	146,000	Oct.
0	44,800	44,800	0	44,800	44,800	Nov.
0	0	0	0	0	0	Dec.
0	0	0	0	0	0	Total or average
0	166,000	166,000	0	155,900	155,900	
						1909
0	117,100	117,100	0	128,600	128,600	Jan.
0	280,000	280,000	0	280,000	280,000	Feb.
0	280,000	280,000	0	225,800	225,800	Mar.
0	280,000	280,000	0	275,300	275,300	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	163,100	163,100	0	163,100	163,100	Sept.
0	51,700	51,700	0	51,700	51,700	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	0	0	0	0	0	Total or average
0	190,400	190,400	0	186,400	186,400	
						1910
0	0	0	0	63,200	63,200	Jan.
0	257,400	257,400	0	190,300	190,300	Feb.
0	280,000	280,000	0	265,700	265,700	Mar.
0	264,900	264,900	0	264,900	264,900	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	242,600	242,600	0	242,600	242,600	Sept.
0	135,400	135,400	0	135,400	135,400	Oct.
0	41,000	41,000	0	41,000	41,000	Nov.
0	0	0	0	0	0	Dec.
0	0	0	0	0	0	Total or average
0	171,100	171,100	0	170,100	170,100	
						1911
0	0	0	0	0	0	Jan.
0	0	0	0	75,600	75,600	Feb.
0	237,000	237,000	0	263,200	263,200	Mar.
0	280,000	280,000	0	278,300	278,300	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	165,600	165,600	0	165,600	165,600	Sept.
0	52,300	52,300	0	52,300	52,300	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	0	0	0	0	0	Total or average
0	155,500	155,500	0	163,400	163,400	

TABLE 5a (Continued). KENNETT
SUMMARY OF POWER YIELD BY MONTHS

Summary of Tables
(For corresponding yearly sum)

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Operating primarily for power generation with incidental irrigation Average power yield in kilowatts (Load factor=0.75)								
	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			With flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.		
	*Primary	Secondary	Total	*Primary	Secondary	Total	*Primary	Secondary	Total
1912									
Jan.	97,400	0	97,400	97,400	0	97,400	94,100	0	94,100
Feb.	98,400	0	98,400	98,400	0	98,400	95,100	17,700	112,800
Mar.	104,200	50,300	154,500	104,200	50,300	154,500	100,500	109,500	210,000
April	109,000	80,000	189,000	109,000	80,000	189,000	105,300	15,400	120,700
May	117,500	91,900	209,400	117,500	91,900	209,400	113,300	87,100	200,400
June	124,200	69,000	193,200	124,200	69,000	193,200	119,700	90,300	210,000
July	125,400	27,500	162,900	125,400	27,500	162,900	121,100	76,300	197,400
Aug.	126,700	30,000	156,700	126,700	30,000	156,700	122,300	29,600	151,900
Sept.	120,000	26,000	156,000	120,000	26,000	156,000	115,800	35,100	150,900
Oct.	113,400	15,900	129,300	113,400	15,900	129,300	101,500	15,600	125,100
Nov.	110,300	87,100	197,400	110,300	87,100	197,400	106,500	90,100	196,600
Dec.	109,400	64,500	173,900	109,400	64,500	173,900	105,600	85,800	191,400
Total or average	113,000	46,900	159,900	113,000	46,900	159,900	109,100	51,500	163,600
1913									
Jan.	97,400	0	97,400	97,400	45,000	142,400	94,100	39,800	133,900
Feb.	101,900	6,400	108,300	101,900	7,600	109,500	98,500	76,300	174,800
Mar.	104,200	76,200	180,400	104,200	0	104,200	100,500	80,100	180,600
April	109,000	101,000	210,000	109,000	87,600	196,600	105,300	41,100	146,400
May	117,500	85,500	203,000	117,500	85,500	203,000	113,300	89,000	202,300
June	124,200	36,800	161,000	124,200	36,800	161,000	119,700	36,800	156,500
July	125,400	32,800	158,200	125,400	32,800	158,200	121,100	32,900	154,000
Aug.	126,700	27,600	154,300	126,700	27,600	154,300	122,300	27,200	149,500
Sept.	120,000	14,000	134,000	120,000	14,000	134,000	115,800	13,900	129,700
Oct.	113,400	6,000	119,400	113,400	6,000	119,400	109,500	6,000	115,500
Nov.	110,300	43,600	153,900	110,300	43,600	153,900	106,500	43,800	150,300
Dec.	109,400	72,900	182,300	109,400	72,900	182,300	105,600	90,500	196,100
Total or average	113,400	42,100	155,500	113,400	38,500	151,900	109,400	48,000	157,400
1914									
Jan.	97,400	105,500	202,900	97,400	105,200	202,600	94,100	115,900	210,000
Feb.	101,900	108,100	210,000	101,900	108,100	210,000	98,500	111,500	210,000
Mar.	104,200	105,800	210,000	104,200	99,600	203,800	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	100,700	209,700	105,300	81,800	187,100
May	117,500	92,500	210,000	117,500	92,500	210,000	113,300	96,700	210,000
June	124,200	85,800	210,000	124,200	85,800	210,000	119,700	90,300	210,000
July	125,400	54,800	180,200	125,400	51,800	180,200	121,100	88,900	210,000
Aug.	126,700	24,100	160,800	126,700	34,100	160,800	122,300	68,400	190,700
Sept.	120,000	28,800	148,800	120,000	28,800	148,800	115,800	28,500	144,300
Oct.	113,400	33,200	146,600	113,400	33,200	146,600	109,500	32,900	142,400
Nov.	110,300	31,100	141,400	110,300	31,100	141,400	106,500	31,300	137,800
Dec.	109,400	37,900	147,300	109,400	37,900	147,300	105,600	63,700	169,300
Total or average	113,400	68,000	181,400	113,400	67,400	180,800	109,400	76,500	185,900
1915									
Jan.	97,400	0	97,400	97,400	40,900	138,300	94,100	14,000	108,100
Feb.	101,900	108,100	210,000	101,900	108,100	210,000	98,500	111,500	210,000
Mar.	104,200	105,800	210,000	104,200	105,800	210,000	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	101,000	210,000	105,300	76,800	182,100
May	117,500	92,500	210,000	117,500	92,500	210,000	113,300	96,700	210,000
June	124,200	85,800	210,000	124,200	85,800	210,000	119,700	90,300	210,000
July	125,400	83,800	209,200	125,400	83,800	209,200	121,100	88,900	210,000
Aug.	126,700	41,700	168,400	126,700	41,700	168,400	122,300	87,700	210,000
Sept.	120,000	24,700	144,700	120,000	24,700	144,700	115,800	44,900	160,700
Oct.	113,400	18,700	132,100	113,400	18,700	132,100	109,500	18,400	127,900
Nov.	110,300	32,400	142,700	110,300	32,400	142,700	106,500	32,100	138,600
Dec.	109,400	94,900	204,300	109,400	94,900	204,300	105,600	100,100	205,700
Total or average	113,400	65,500	178,900	113,400	69,000	182,400	109,400	72,400	181,800

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

BOTH WITH AND WITHOUT FLOOD CONTROL.

1a, 2a and 4a.

mary, see Table 5, page 116.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Operating primarily for irrigation with incidental power generation Seasonal irrigation yield 4,276,000 acre-feet. (Deficiency in supply one year in ten, no deduction for downstream prior rights). Average power yield in kilowatts (Load factor=1.00)						Year and month
Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			
Primary	Secondary	Total	Primary	Secondary	Total	
						1912
0	0	0	0	0	0	Jan.
0	0	0	0	0	0	Feb.
0	23,000	23,000	0	23,000	23,000	Mar.
0	199,900	199,900	0	199,900	199,900	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	163,600	163,600	0	163,600	163,600	Sept.
0	51,500	51,500	0	51,500	51,500	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	130,200	130,200	0	130,200	130,200	Total or average
						1913
0	0	0	0	0	0	Jan.
0	0	0	0	62,500	62,500	Feb.
0	150,400	150,400	0	91,500	91,500	Mar.
0	274,300	274,300	0	274,300	274,300	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	260,400	260,400	0	260,400	260,400	Aug.
0	146,500	146,500	0	146,500	146,500	Sept.
0	44,500	44,500	0	44,500	44,500	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	143,800	143,800	0	143,600	143,600	Total or average
						1914
0	144,100	144,100	0	171,100	171,100	Jan.
0	275,700	275,700	0	280,000	280,000	Feb.
0	280,000	280,000	0	255,800	255,800	Mar.
0	278,600	278,600	0	273,200	273,200	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	168,300	168,300	0	168,300	168,300	Sept.
0	53,400	53,400	0	53,400	53,400	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	192,800	192,800	0	192,900	192,900	Total or average
						1915
0	0	0	0	9,000	9,000	Jan.
0	269,200	269,200	0	278,100	278,100	Feb.
0	280,000	280,000	0	271,900	271,900	Mar.
0	280,000	280,000	0	280,000	280,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	280,000	280,000	0	280,000	280,000	Aug.
0	177,500	177,500	0	177,500	177,500	Sept.
0	56,000	56,000	0	56,000	56,000	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	181,100	181,100	0	181,900	181,900	Total or average

TABLE 5a (Continued). KENNETT
SUMMARY OF POWER YIELD BY MONTHS

Summary of Tables
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Operating primarily for power generation with incidental irrigation Average power yield in kilowatts (Load factor=0.75)								
	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			With flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.		
	*Primary	Secondary	Total	*Primary	Secondary	Total	*Primary	Secondary	Total
1916									
Jan.	97,400	32,700	130,100	97,400	90,700	188,100	94,100	85,900	180,000
Feb.	98,400	111,600	210,000	98,400	107,900	206,300	95,100	111,600	206,700
Mar.	104,200	105,800	210,000	104,200	97,000	201,200	100,500	109,500	210,000
April	109,000	100,300	209,300	109,000	92,400	201,400	105,300	41,900	147,200
May	117,500	73,500	191,000	117,500	73,500	191,000	113,300	73,400	186,700
June	124,200	50,800	175,000	124,200	50,800	175,000	119,700	50,700	170,400
July	125,400	55,200	180,600	125,400	55,200	180,600	121,100	54,600	175,700
Aug.	126,700	32,500	159,200	126,700	32,500	159,200	122,300	32,000	154,300
Sept.	120,000	23,800	143,800	120,000	23,800	143,800	115,800	23,500	139,300
Oct.	113,400	19,900	133,300	113,400	19,900	133,300	109,500	19,600	129,100
Nov.	110,300	27,500	137,800	110,300	27,500	137,800	106,500	27,100	133,600
Dec.	109,400	44,500	153,900	109,400	44,500	153,900	105,600	70,000	175,600
Total or average	113,000	56,300	169,300	113,000	59,500	172,500	109,100	58,300	167,400
1917									
Jan.	97,400	0	97,400	97,400	0	97,400	94,100	0	94,100
Feb.	101,900	0	101,900	101,900	11,600	113,500	98,500	11,900	110,400
Mar.	104,200	53,500	157,700	104,200	3,500	107,700	100,500	87,500	188,000
April	109,000	101,000	210,000	109,000	85,600	194,600	105,300	73,500	178,800
May	117,500	89,000	206,500	117,500	89,000	206,500	113,300	96,700	210,000
June	124,200	40,300	164,500	124,200	40,300	164,500	119,700	30,300	150,000
July	125,400	22,700	148,100	125,400	22,700	148,100	121,100	37,500	158,600
Aug.	126,700	20,400	147,100	126,700	20,400	147,100	122,300	19,800	142,100
Sept.	120,000	11,900	131,900	120,000	11,900	131,900	115,800	11,700	127,500
Oct.	113,400	5,400	118,800	113,400	5,400	118,800	109,500	5,200	114,700
Nov.	110,300	20,000	130,300	110,300	20,000	130,300	106,500	19,700	126,200
Dec.	109,400	18,400	127,800	109,400	18,400	127,800	105,600	44,400	150,000
Total or average	113,400	32,000	145,400	113,400	27,400	140,800	109,400	41,700	151,100
1918									
Jan.	97,400	0	97,400	97,400	0	97,400	94,100	0	94,100
Feb.	101,900	0	101,900	101,900	0	101,900	98,500	0	98,500
Mar.	104,200	3,400	107,600	104,200	3,400	107,600	100,500	42,500	143,000
April	109,000	91,100	200,100	109,000	91,100	200,100	105,300	24,400	129,700
May	117,500	12,000	129,500	117,500	12,000	129,500	113,300	0	113,300
June	124,200	0	124,200	124,200	0	124,200	119,700	0	119,700
July	125,400	5,100	130,500	125,400	5,100	130,500	121,100	0	121,100
Aug.	126,700	11,200	137,900	126,700	11,200	137,900	122,300	1,200	123,500
Sept.	120,000	12,400	132,400	120,000	12,400	132,400	115,800	12,200	128,000
Oct.	113,400	28,900	142,300	113,400	28,900	142,300	109,500	28,500	138,000
Nov.	110,300	29,000	139,300	110,300	29,000	139,300	106,500	28,800	135,300
Dec.	109,400	3,600	113,000	109,400	3,600	113,000	105,600	28,800	134,400
Total or average	113,400	16,300	129,700	113,400	16,300	129,700	109,400	14,000	123,400
1919									
Jan.	97,400	0	97,400	97,400	29,000	126,400	94,100	0	94,100
Feb.	101,900	69,300	171,200	101,900	99,600	201,500	98,500	83,800	182,300
Mar.	104,200	105,800	210,000	104,200	95,200	199,400	100,500	109,500	210,000
April	109,000	101,000	210,000	109,000	97,600	206,600	105,300	46,400	151,700
May	117,500	64,100	181,600	117,500	64,100	181,600	113,300	60,500	173,800
June	124,200	7,100	131,300	124,200	7,100	131,300	119,700	7,400	127,100
July	125,400	14,800	140,200	125,400	14,800	140,200	121,100	14,700	135,800
Aug.	126,700	14,200	140,900	126,700	14,200	140,900	122,300	14,400	136,700
Sept.	120,000	4,600	124,600	120,000	4,600	124,600	115,800	4,600	120,400
Oct.	113,400	6,500	119,900	113,400	6,500	119,900	109,500	6,500	116,000
Nov.	110,300	4,200	114,500	110,300	4,200	114,500	106,500	4,200	110,700
Dec.	109,400	0	109,400	109,400	0	109,400	105,600	0	105,600
Total or average	113,400	32,400	145,800	113,400	36,000	149,400	109,400	29,000	138,400

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

BOTH WITH AND WITHOUT FLOOD CONTROL.

1a, 2a and 4a.

mary, see Table 5, page 116.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Operating primarily for irrigation with incidental power generation Seasonal irrigation yield 4,276,000 acre-feet. (Deficiency in supply one year in ten, no deduction for downstream prior rights). Average power yield in kilowatts (Load factor=1.00)						Year and month
Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			
Primary	Secondary	Total	Primary	Secondary	Total	
0	72,000	72,000	0	160,900	160,900	1916
0	277,900	277,900	0	278,500	278,500	Jan.
0	280,000	280,000	0	254,300	254,300	Feb.
0	269,200	269,200	0	251,100	251,100	Mar.
0	280,000	280,000	0	280,000	280,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	266,900	266,900	0	266,900	266,900	July
0	151,800	151,800	0	151,800	151,800	Aug.
0	47,000	47,000	0	47,000	47,000	Sept.
0	0	0	0	0	0	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	183,300	183,300	0	187,200	187,200	Total or average
0	0	0	0	0	0	1917
0	0	0	0	0	0	Jan.
0	17,900	17,900	0	17,900	17,900	Feb.
0	234,400	234,400	0	234,400	234,400	Mar.
0	280,000	280,000	0	280,000	280,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	263,400	263,400	0	263,400	263,400	Aug.
0	147,600	147,600	0	147,600	147,600	Sept.
0	44,600	44,600	0	44,600	44,600	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	129,700	129,700	0	129,700	129,700	Total or average
0	0	0	0	0	0	1918
0	0	0	0	0	0	Jan.
0	16,900	16,900	0	16,900	16,900	Feb.
0	92,500	92,500	0	92,500	92,500	Mar.
0	280,000	280,000	0	280,000	280,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	197,400	197,400	0	197,400	197,400	July
0	0	0	0	0	0	Aug.
0	0	0	0	0	0	Sept.
0	0	0	0	0	0	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	96,400	96,400	0	96,400	96,400	Total or average
0	0	0	0	0	0	1919
0	0	0	0	0	0	Jan.
0	143,100	143,100	0	209,800	209,800	Feb.
0	274,300	274,300	0	258,600	258,600	Mar.
0	280,000	280,000	0	280,000	280,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	235,500	235,500	0	235,500	235,500	Aug.
0	124,600	124,600	0	124,600	124,600	Sept.
0	35,600	35,600	0	35,600	35,600	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	138,500	138,500	0	142,900	142,900	Total or average

TABLE 5a (Continued). KENNETT
SUMMARY OF POWER YIELD BY MONTHS

Summary of Tables
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Operating primarily for power generation with incidental irrigation Average power yield in kilowatts (Load factor=0.75)								
	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			With flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.		
	*Primary	Secondary	Total	*Primary	Secondary	Total	*Primary	Secondary	Total
1920									
Jan.	97,400	0	97,400	97,400	0	97,400	94,100	0	94,100
Feb.	98,400	0	98,400	98,400	0	98,400	95,100	0	95,100
Mar.	104,200	0	104,200	104,200	0	104,200	100,500	0	100,500
April	109,000	0	109,000	109,000	0	109,000	105,300	0	105,300
May	117,500	0	117,500	117,500	0	117,500	113,300	0	113,300
June	124,200	0	124,200	124,200	0	124,200	119,700	0	119,700
July	125,400	0	125,400	125,400	0	125,400	121,100	0	121,100
Aug.	126,700	0	126,700	126,700	0	126,700	122,300	0	122,300
Sept.	120,000	0	120,000	120,000	0	120,000	115,800	0	115,800
Oct.	113,400	0	113,400	113,400	0	113,400	109,500	0	109,500
Nov.	110,300	10,400	120,700	110,300	10,400	120,700	106,500	0	106,500
Dec.	109,400	100,600	210,000	109,400	100,600	210,000	105,600	77,300	182,900
Total or average	113,000	9,400	122,400	113,000	9,400	122,400	109,100	6,500	115,600
1921									
Jan.	97,400	112,600	210,000	97,400	112,600	210,000	94,100	115,900	210,000
Feb.	101,900	108,100	210,000	101,900	108,100	210,000	98,500	111,500	210,000
Mar.	104,200	105,800	210,000	104,200	100,900	205,100	100,500	109,500	210,000
April	109,000	99,000	208,000	109,000	71,900	180,900	105,300	24,400	129,700
May	117,500	83,200	200,700	117,500	83,200	200,700	113,300	51,100	164,400
June	124,200	34,600	158,800	124,200	34,600	158,800	119,700	34,700	154,400
July	125,400	15,200	140,600	125,400	15,200	140,600	121,100	15,100	136,200
Aug.	126,700	11,200	137,900	126,700	11,200	137,900	122,300	11,600	133,900
Sept.	120,000	7,800	127,800	120,000	7,800	127,800	115,800	7,500	123,300
Oct.	113,400	0	113,400	113,400	0	113,400	109,500	3,600	113,100
Nov.	110,300	16,300	126,600	110,300	16,300	126,600	106,500	11,900	118,400
Dec.	109,400	28,900	138,300	109,400	28,900	138,300	105,600	47,200	152,800
Total or average	113,400	51,600	165,000	113,400	48,900	162,300	109,400	45,100	154,500
1922									
Jan.	97,400	0	97,400	97,400	0	97,400	94,100	0	94,100
Feb.	101,900	0	101,900	101,900	19,000	121,800	98,500	28,000	126,500
Mar.	104,200	60,100	164,300	104,200	7,300	111,500	100,500	97,300	197,800
April	109,000	93,600	202,600	109,000	93,600	202,600	105,300	21,400	126,700
May	117,500	88,300	205,800	117,500	88,300	205,800	113,300	74,900	188,200
June	124,200	35,000	159,200	124,200	35,000	159,200	119,700	50,300	170,000
July	125,400	7,900	133,300	125,400	7,900	133,300	121,100	7,900	129,000
Aug.	126,700	7,100	133,800	126,700	7,100	133,800	122,300	7,400	129,700
Sept.	120,000	1,700	121,700	120,000	1,700	121,700	115,800	1,700	117,500
Oct.	113,400	8,600	122,000	113,400	8,600	122,000	109,500	8,500	118,000
Nov.	110,300	28,300	138,600	110,300	28,300	138,600	106,500	27,900	134,400
Dec.	109,400	55,100	164,500	109,400	55,100	164,500	105,600	76,900	182,500
Total or average	113,400	32,300	145,700	113,400	29,400	142,800	109,400	33,900	143,300
1923									
Jan.	97,400	52,400	149,800	97,400	52,400	149,800	94,100	0	94,100
Feb.	101,900	0	101,900	101,900	0	101,900	98,500	0	98,500
Mar.	104,200	0	104,200	104,200	0	104,200	100,500	9,000	109,500
April	109,000	0	109,000	109,000	0	109,000	105,300	20,600	125,900
May	117,500	1,300	118,800	117,500	1,300	118,800	113,300	0	113,300
June	124,200	0	124,200	124,200	0	124,200	119,700	0	119,700
July	125,400	0	125,400	125,400	0	125,400	121,100	0	121,100
Aug.	126,700	0	126,700	126,700	0	126,700	122,300	0	122,300
Sept.	120,000	0	120,000	120,000	0	120,000	115,800	0	115,800
Oct.	113,400	0	113,400	113,400	0	113,400	109,500	0	109,500
Nov.	110,300	0	110,300	110,300	0	110,300	106,500	0	106,500
Dec.	109,400	0	109,400	109,400	0	109,400	105,600	0	105,600
Total or average	113,400	4,600	118,000	113,400	4,600	118,000	109,400	2,500	111,900

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

BOTH WITH AND WITHOUT FLOOD CONTROL.

1a, 2a and 4a.

mary, see Table 5, page 116.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Operating primarily for irrigation with incidental power generation Seasonal irrigation yield 4,276,000 acre-feet. (Deficiency in supply one year in ten, no deduction for downstream prior rights). Average power yield in kilowatts (Load factor=1.00)						Year and month
Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			
Primary	Secondary	Total	Primary	Secondary	Total	
0	0	0	0	0	0	1920
0	0	0	0	0	0	Jan.
0	14,500	14,500	0	14,500	14,500	Feb.
0	80,100	80,100	0	80,100	80,100	Mar.
0	243,300	243,300	0	243,300	243,300	April
0	233,300	233,300	0	233,300	233,300	May
0	69,100	69,100	0	69,100	69,100	June
0	0	0	0	0	0	July
0	0	0	0	0	0	Aug.
0	0	0	0	0	0	Sept.
0	0	0	0	0	0	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	53,400	53,400	0	53,400	53,400	Total or average
0	67,700	67,700	0	134,700	134,700	1921
0	280,000	280,000	0	280,000	280,000	Jan.
0	280,000	280,000	0	280,000	280,000	Feb.
0	236,500	236,500	0	190,600	190,600	Mar.
0	280,000	280,000	0	280,000	280,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	249,200	249,200	0	249,200	249,200	Aug.
0	136,300	136,300	0	136,300	136,300	Sept.
0	40,100	40,100	0	40,100	40,100	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	176,800	176,800	0	178,700	178,700	Total or average
0	0	0	0	0	0	1922
0	0	0	0	0	0	Jan.
0	17,300	17,300	0	17,300	17,300	Feb.
0	95,600	95,600	0	95,600	95,600	Mar.
0	280,000	280,000	0	280,000	280,000	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	255,400	255,400	0	255,400	255,400	Aug.
0	140,400	140,400	0	140,400	140,400	Sept.
0	41,800	41,800	0	41,800	41,800	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	116,700	116,700	0	116,700	116,700	Total or average
0	0	0	0	0	0	1923
0	0	0	0	0	0	Jan.
0	16,900	16,900	0	16,900	16,900	Feb.
0	90,700	90,700	0	90,700	90,700	Mar.
0	278,600	278,600	0	278,600	278,600	April
0	280,000	280,000	0	280,000	280,000	May
0	264,300	264,300	0	264,300	264,300	June
0	154,200	154,200	0	154,200	154,200	July
0	0	0	0	0	0	Aug.
0	0	0	0	0	0	Sept.
0	0	0	0	0	0	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	91,100	91,100	0	91,100	91,100	Total or average

TABLE 5a (Concluded). KENNETT
SUMMARY OF POWER YIELD BY MONTHS

Summary of Tables
(For corresponding yearly sum

Height of dam 420 feet. Capacity of reservoir 2,940,000 acre-feet.

Year and month	Operating primarily for power generation with incidental irrigation Average power yield in kilowatts (Load factor=0.75)								
	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			With flood control, holding maximum reservoir space required (454,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Red Bluff 125,000 sec.-ft.		
	*Primary	Secondary	Total	*Primary	Secondary	Total	*Primary	Secondary	Total
1924									
Jan.	97,400	0	97,400	97,400	0	97,400	94,100	0	94,100
Feb.	98,400	0	98,400	98,400	0	98,400	95,100	0	95,100
Mar.	104,200	0	104,200	104,200	0	104,200	100,500	0	100,500
April	109,000	0	109,000	109,000	0	109,000	105,300	0	105,300
May	117,500	0	117,500	117,500	0	117,500	113,300	0	113,300
June	124,200	0	124,200	124,200	0	124,200	119,700	0	119,700
July	125,400	0	125,400	125,400	0	125,400	121,100	0	121,100
Aug.	126,700	0	126,700	126,700	0	126,700	122,300	0	122,300
Sept.	120,000	0	120,000	120,000	0	120,000	115,800	0	115,800
Oct.	113,400	0	113,400	113,400	0	113,400	109,500	0	109,500
Nov.	110,300	0	110,300	110,300	0	110,300	106,500	0	106,500
Dec.	109,400	0	109,400	109,400	0	109,400	105,600	0	105,600
Total or average	113,000	0	113,000	113,000	0	113,000	109,100	0	109,100
1925									
Jan.	97,400	0	97,400	97,400	0	97,400	94,100	0	94,100
Feb.	101,900	0	101,900	101,900	0	101,900	98,500	0	98,500
Mar.	104,200	0	104,200	104,200	0	104,200	100,500	21,900	122,400
April	109,000	53,800	162,800	109,000	53,800	162,800	105,300	66,500	171,800
May	117,500	70,800	188,300	117,500	70,800	188,300	113,300	96,700	210,000
June	124,200	17,500	141,700	124,200	17,500	141,700	119,700	42,900	162,600
July	125,400	0	125,400	125,400	0	125,400	121,100	0	121,100
Aug.	126,700	0	126,700	126,700	0	126,700	122,300	0	122,300
Sept.	120,000	0	120,000	120,000	0	120,000	115,800	0	115,800
Oct.	113,400	0	113,400	113,400	0	113,400	109,500	0	109,500
Nov.	110,300	2,500	112,800	110,300	2,500	112,800	106,500	2,100	108,600
Dec.	109,400	0	109,400	109,400	0	109,400	105,600	19,600	125,200
Total or average	113,400	12,100	125,500	113,400	12,100	125,500	109,400	20,900	130,300
Average for 30-year period, 1896-1926	113,400	44,800	158,200	113,400	43,400	156,800	109,400	47,300	156,700

*Total primary power production in February of leap years taken the same as in other years.

RESERVOIR ON SACRAMENTO RIVER.

BOTH WITH AND WITHOUT FLOOD CONTROL.

1a, 2a and 4a.

mary, see Table 5, page 116.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Red Bluff 125,000 sec.-ft. Maximum reservoir space required 454,000 acre-feet			Year and month
Primary	Secondary	Total	Primary	Secondary	Total	
						1924
0	0	0	0	0	0	Jan.
0	0	0	0	0	0	Feb.
0	13,400	13,400	0	13,400	13,400	Mar.
0	70,700	70,700	0	70,700	70,700	April
0	191,400	191,400	0	191,400	191,400	May
0	30,000	30,000	0	30,000	30,000	June
0	0	0	0	0	0	July
0	0	0	0	0	0	Aug.
0	0	0	0	0	0	Sept.
0	0	0	0	0	0	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	25,600	25,600	0	25,600	25,600	Total or average
						1925
0	0	0	0	0	0	Jan.
0	0	0	0	49,900	49,900	Feb.
0	143,800	143,800	0	98,800	98,800	Mar.
0	277,500	277,500	0	256,900	256,900	April
0	280,000	280,000	0	280,000	280,000	May
0	280,000	280,000	0	280,000	280,000	June
0	280,000	280,000	0	280,000	280,000	July
0	234,100	234,100	0	234,100	234,100	Aug.
0	122,400	122,400	0	122,400	122,400	Sept.
0	0	0	0	0	0	Oct.
0	0	0	0	0	0	Nov.
0	0	0	0	0	0	Dec.
0	135,500	135,500	0	133,900	133,900	Total or average
						Average for 30-year period, 1896-1926
0	145,300	145,300	0	145,600	145,600	

**ASSUMPTIONS EMPLOYED IN COMPUTING WATER AND POWER YIELD
OF PARDEE RESERVOIR ON MOKELUMNE RIVER ON DAILY BASIS.**

1. Water supply at dam site is the same as that measured at the Clements gaging station of the United States Geological Survey and published, or in preparation for publication, as mean daily discharges in the Water Supply Papers. A deduction of 140,000 acre-feet per year is made for downstream prior rights in estimating the reservoir yield for domestic purposes. This water is utilized in the generation of power.

2. The reservoir is full on July 1, 1904, the opening date of computations. The run-off index for the season 1903-1904 is 108. The reservoir fills in 1925 with a run-off index of 92.

3. The net evaporation from the reservoir surface equals 2.67 feet depth per annum divided among the months as follows: (Taken from Annual Report of East Bay Municipal Utility District for 1925, p. 42.)

Evaporation and Rainfall at Lancha Plana Reservoir.

Quantities in inches depth.

<i>Month</i>	<i>Evaporation</i>	<i>Rainfall</i>	<i>Net loss</i>
October -----	3.90	1.18	2.72
November -----	1.70	2.64	-.94
December -----	.90	3.72	-2.82
January -----	.81	4.39	-3.58
February -----	1.26	3.48	-2.22
March -----	2.37	4.66	-2.29
April -----	4.04	2.06	1.98
May -----	6.81	1.15	5.66
June -----	8.00	.29	7.71
July -----	10.19	.00	10.19
August -----	9.07	.00	9.07
September -----	6.95	.43	6.52
Year -----	56.00	24.00	32.00

4. The municipal supply is drawn from the reservoir at a uniformly constant rate of 200,000,000 gallons per day.

5. Power is generated in a plant at the base of the dam with water passing by the dam for downstream prior rights, reservoir spill, and some water drawn from reservoir in addition to the municipal draft in accord with schedule of operation dated August 3, 1927, submitted by East Bay Municipal Utility District. Maximum flow through turbines 750 second-feet. Power is not generated from the municipal draft from the reservoir.

6. Capacity of power plant is 15,000 kilowatts.

7. Overall efficiency of power plant is 72.6 per cent for all reservoir levels.

8. Load factor on power plant 1.00.

9. The elevation of water in the tail race is 242.5 feet, constant for all discharges.

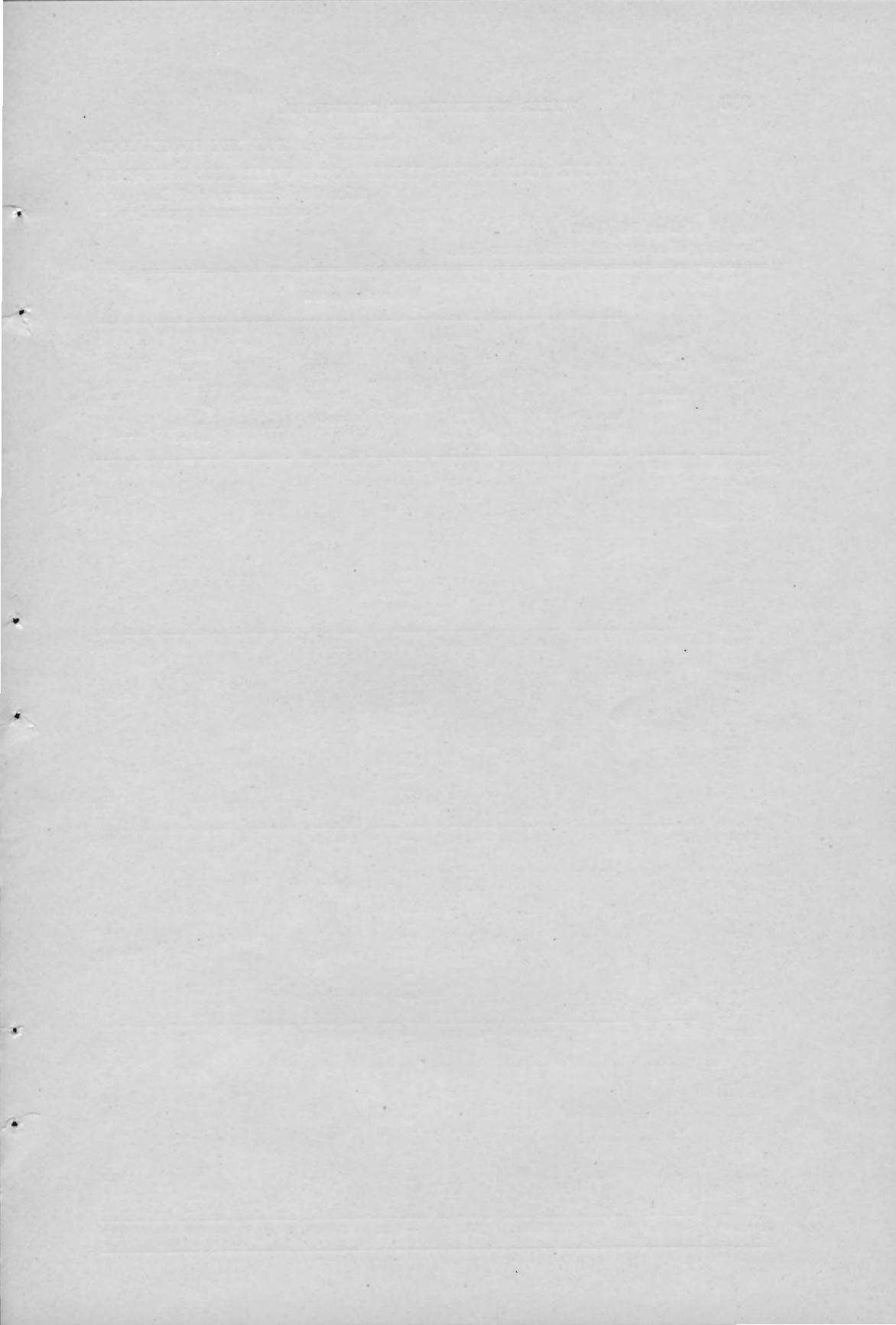


TABLE 6a. PARDEE RESERVOIR
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Without flood control						
		Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet
1905								
Jan.	26,320	145,860	19,030	10,500	+ 610	0	0	282
Feb.	47,370	143,260	17,190	22,500	+ 380	0	0	285
Mar.	86,700	151,320	19,030	46,120	+ 430	0	0	290
April	116,600	173,300	18,410	44,630	- 370	4,490	0	311
May	156,600	222,000	19,030	46,120	-1,070	90,380	0	325
June	99,070	222,000	18,410	40,910	-1,460	41,010	0	325
July	11,560	219,280	19,030	11,560	-1,930	0	0	319
Aug.	7,870	198,320	19,030	7,870	-1,550	0	0	308
Sept.	8,270	177,740	18,410	8,270	- 990	0	0	297
Oct.	7,010	158,340	19,030	3,000	- 390	0	0	287
Nov.	4,730	142,930	18,410	0	+ 120	0	0	...
Dec.	5,960	129,370	19,030	0	+ 360	0	0	...
Total or average	578,060		224,040	241,480	-5,860	135,880	0	303
1906								
Jan.	61,200	116,660	19,030	0	+ 420	0	0	...
Feb.	44,900	159,250	17,190	41,650	+ 320	0	0	283
Mar.	155,000	145,630	19,030	46,120	+ 370	13,850	0	296
April	175,000	222,000	18,410	44,630	- 370	111,590	0	325
May	289,000	222,000	19,030	46,120	-1,070	222,780	0	325
June	358,000	222,000	18,410	44,630	-1,460	233,500	0	325
July	218,000	222,000	19,030	44,610	-1,930	152,560	0	325
Aug.	21,900	221,870	19,030	31,900	-1,720	0	0	317
Sept.	12,000	191,120	18,410	11,600	-1,110	0	0	305
Oct.	11,700	172,000	19,030	6,500	- 410	0	0	296
Nov.	14,800	157,760	18,410	3,000	+ 140	0	0	289
Dec.	53,900	151,230	19,030	5,000	+ 420	0	0	292
Total or average	1,415,400		224,040	325,760	-6,400	794,280	0	307
1907								
Jan.	70,100	181,580	19,030	46,120	+ 630	0	0	304
Feb.	154,000	187,160	17,190	41,650	+ 420	60,740	0	323
Mar.	300,000	222,000	19,030	46,120	+ 430	235,280	0	325
April	264,000	222,000	18,410	44,630	- 370	200,590	0	325
May	259,000	222,000	19,030	46,120	-1,070	192,780	0	325
June	281,000	222,000	18,410	44,630	-1,460	216,500	0	325
July	205,000	222,000	19,030	46,120	-1,930	137,920	0	325
Aug.	43,200	222,000	19,030	31,290	-1,720	2,700	0	323
Sept.	15,300	210,460	18,410	30,500	-1,230	0	0	311
Oct.	17,000	175,620	19,030	9,500	- 490	0	0	299
Nov.	13,900	163,600	18,410	9,000	+ 160	0	0	290
Dec.	20,200	150,250	19,030	3,000	+ 480	0	0	286
Total or average	1,642,700		224,040	398,680	-6,150	1,046,510	0	313
1908								
Jan.	33,000	148,900	19,030	12,500	+ 610	0	0	286
Feb.	22,600	150,980	17,800	28,500	+ 400	0	0	279
Mar.	50,200	127,680	19,030	33,470	+ 430	0	0	302
April	105,000	125,810	18,410	44,630	- 370	0	0	277
May	117,000	165,400	19,030	46,120	-1,070	0	0	310
June	75,000	216,180	18,410	40,220	-1,460	10,770	0	325
July	14,100	220,320	19,030	14,100	-1,930	0	0	319
Aug.	6,400	199,360	19,030	6,400	-1,550	0	0	309
Sept.	8,030	178,780	18,410	8,030	- 990	0	0	297
Oct.	8,730	160,280	19,030	3,000	- 390	0	0	288
Nov.	7,380	143,600	18,410	0	+ 120	0	0	...
Dec.	9,990	134,790	19,030	0	+ 370	0	0	...
Total or average	853,340		224,040	236,970	-5,820	10,770	0	294

ON MOKELUMNE RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.
mary, see Table 6, page 124.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.									
Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
145,860	19,030	10,500	+ 610	0	0	0	282	2,960	1905
143,260	17,190	22,500	+ 380	0	0	0	285	7,100	Jan.
151,320	19,030	46,120	+ 430	0	0	0	290	13,370	Feb.
173,300	18,410	44,630	— 370	0	4,490	0	311	14,380	Mar.
222,000	19,030	46,200	—1,070	73,570	21,890	0	324	15,000	April
216,840	18,410	40,510	—1,460	38,270	0	0	323	13,540	May
217,260	19,030	11,560	—1,930	0	0	0	318	3,680	June
196,300	19,030	7,870	—1,550	0	0	0	307	2,420	July
175,720	18,410	8,270	— 990	0	0	0	296	2,530	Aug.
156,320	19,030	3,000	— 390	0	0	0	285	860	Sept.
140,910	18,410	0	+ 120	0	0	0	...	0	Oct.
127,350	19,030	0	+ 360	0	0	0	...	0	Nov.
									Dec.
	224,040	241,160	—5,860	111,840	26,380	0	302	6,300	Total or average
114,640	19,030	0	+ 420	0	0	0	...	0	1906
157,230	17,190	41,650	+ 320	0	0	0	282	13,020	Jan.
143,610	19,030	44,580	+ 370	63,140	0	0	289	12,880	Feb.
172,230	18,410	43,760	— 370	26,850	35,840	0	314	14,220	Mar.
222,000	19,030	46,430	—1,070	137,510	96,860	0	323	15,000	April
210,100	18,410	45,110	—1,460	285,980	0	0	322	15,000	May
217,140	19,030	44,620	—1,930	48,070	99,620	0	325	14,500	June
221,870	19,030	31,900	—1,720	0	0	0	317	10,130	July
191,120	18,410	11,600	—1,110	0	0	0	305	2,650	Aug.
172,000	19,030	6,500	— 410	0	0	0	296	1,920	Sept.
157,760	18,410	3,000	+ 140	0	0	0	289	900	Oct.
151,290	19,030	11,310	+ 420	9,600	0	0	292	3,370	Nov.
									Dec.
	224,040	330,460	—6,400	571,150	232,320	0	305	8,680	Total or average
165,670	19,030	49,580	+ 630	33,160	0	0	283	14,050	1907
134,630	17,190	49,240	+ 420	91,070	0	0	275	15,009	Jan.
131,550	19,030	51,000	+ 430	149,290	0	0	294	14,950	Feb.
212,660	18,410	45,470	— 370	128,450	61,960	0	319	15,000	Mar.
222,000	19,030	46,120	—1,070	11,670	181,110	0	325	15,000	April
222,000	18,410	44,630	—1,460	107,620	108,880	0	325	15,000	May
222,000	19,030	46,120	—1,930	0	137,920	0	325	15,000	June
222,000	19,030	31,290	—1,720	0	2,700	0	323	10,130	July
210,460	18,410	30,500	—1,230	0	0	0	311	9,810	Aug.
175,620	19,030	9,500	— 490	0	0	0	299	2,840	Sept.
163,600	18,410	9,000	+ 160	0	0	0	290	2,710	Oct.
150,250	19,030	3,000	+ 480	0	0	0	286	860	Nov.
									Dec.
	224,040	415,450	—6,150	521,260	492,570	0	305	10,820	Total or average
148,900	19,030	12,500	+ 610	0	0	0	286	3,580	1908
150,980	17,800	28,500	+ 400	0	0	0	279	8,510	Jan.
127,680	19,030	33,470	+ 430	0	0	0	302	10,090	Feb.
125,810	18,410	44,630	— 370	0	0	0	277	12,780	Mar.
165,400	19,030	46,120	—1,070	0	0	0	310	14,300	April
216,180	18,410	40,220	—1,460	0	10,770	0	325	13,500	May
220,320	19,030	14,100	—1,930	0	0	0	319	4,500	June
199,360	19,030	6,400	—1,550	0	0	0	309	1,980	July
178,780	18,410	8,030	— 990	0	0	0	297	2,470	Aug.
159,380	19,030	3,000	— 390	0	0	0	288	860	Sept.
145,690	18,410	0	+ 130	0	0	0	...	0	Oct.
134,790	19,030	0	+ 370	0	0	0	...	0	Nov.
									Dec.
	224,650	236,970	—5,820	0	10,770	0	299	6,020	Total or average

TABLE 6a (Continued). PARDEE RESER
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Without flood control							Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
		Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet			
1909										
Jan.	179,000	126,030	19,030	17,330	+ 440	47,110	0	300	5,590	
Feb.	126,000	222,000	17,190	41,650	+ 420	67,580	0	325	15,000	
Mar.	103,000	222,000	19,030	46,120	+ 430	38,280	0	325	15,000	
April	167,000	222,000	18,410	44,630	- 370	103,590	0	325	15,000	
May	228,000	222,000	19,030	46,120	-1,070	161,780	0	325	15,000	
June	256,000	222,000	18,410	44,630	-1,460	191,500	0	325	15,000	
July	50,700	222,000	19,030	31,080	-1,930	8,950	0	324	10,080	
Aug.	7,070	211,710	19,030	17,070	-1,720	0	0	313	5,350	
Sept.	4,600	180,960	18,410	7,600	-1,110	0	0	298	2,350	
Oct.	8,060	158,440	19,030	4,000	- 410	0	0	287	1,140	
Nov.	56,600	143,060	18,410	0	+ 140	0	0	...	0	
Dec.	92,200	181,390	19,030	46,120	+ 480	0	0	318	14,660	
Total or average	1,278,230		224,040	340,350	-6,160	618,790	0	315	9,480	
1910										
Jan.	82,400	208,920	19,030	46,120	+ 680	4,850	0	323	14,920	
Feb.	52,600	222,000	17,190	41,650	+ 420	310	0	324	14,930	
Mar.	147,000	215,870	19,030	46,120	+ 430	76,150	0	324	14,970	
April	193,000	222,000	18,410	44,630	- 370	129,590	0	325	15,000	
May	196,000	222,000	19,030	46,120	-1,070	129,780	0	325	15,000	
June	59,500	222,000	18,410	33,210	-1,460	14,760	0	324	11,140	
July	10,600	213,660	19,030	10,600	-1,930	0	0	316	3,360	
Aug.	3,960	192,700	19,030	3,960	-1,550	0	0	306	1,210	
Sept.	4,420	172,120	18,410	4,420	- 990	0	0	294	1,350	
Oct.	6,580	152,720	19,030	3,000	- 390	0	0	283	850	
Nov.	10,100	136,880	18,410	0	+ 120	0	0	...	0	
Dec.	21,900	128,690	19,030	0	+ 370	0	0	...	0	
Total or average	788,060		224,040	279,830	-5,740	355,440	0	314	7,670	
1911										
Jan.	148,000	131,930	19,030	8,120	+ 470	31,250	0	286	2,430	
Feb.	143,000	222,000	17,190	41,650	+ 420	84,580	0	325	15,000	
Mar.	204,000	222,000	19,030	46,120	+ 430	133,280	0	325	15,000	
April	256,000	222,000	18,410	44,630	- 370	192,590	0	325	15,000	
May	262,000	222,000	19,030	46,120	-1,070	195,780	0	325	15,000	
June	331,000	222,000	18,410	44,630	-1,460	266,500	0	325	15,000	
July	117,000	222,000	19,030	40,400	-1,930	60,270	0	325	13,130	
Aug.	16,500	217,370	19,030	26,500	-1,720	0	0	315	8,360	
Sept.	9,280	186,620	18,410	11,500	-1,110	0	0	302	3,580	
Oct.	8,790	164,880	19,030	4,000	- 410	0	0	290	1,170	
Nov.	11,900	150,230	18,410	0	+ 140	0	0	...	0	
Dec.	8,360	143,860	19,030	2,000	+ 400	0	0	278	550	
Total or average	1,515,830		224,040	315,670	-6,210	970,250	0	311	8,630	
1912										
Jan.	14,000	131,590	19,030	2,920	+ 490	0	0	272	790	
Feb.	10,800	124,130	17,800	8,000	+ 300	0	0	263	2,260	
Mar.	21,000	109,430	19,030	24,000	+ 290	0	0	249	5,980	
April	30,800	87,690	18,410	34,000	- 230	0	0	229	8,040	
May	140,000	65,850	19,030	31,000	- 600	0	0	247	7,650	
June	125,000	155,220	18,410	33,020	-1,250	10,360	0	319	10,920	
July	9,900	217,180	19,030	9,900	-1,930	0	0	318	3,150	
Aug.	5,580	196,220	19,030	5,580	-1,550	0	0	307	1,720	
Sept.	6,600	175,640	18,410	6,600	- 990	0	0	296	2,010	
Oct.	5,260	156,240	19,030	3,000	- 390	0	0	285	860	
Nov.	31,100	139,080	18,410	0	+ 120	0	0	...	0	
Dec.	10,500	151,890	19,030	11,000	+ 400	0	0	281	3,090	
Total or average	410,540		224,650	169,020	-5,340	10,360	0	279	3,870	

VOIR ON MOKELUMNE RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 6, page 124.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.									
Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1909									
126,030	19,030	20,990	+ 440	105,260	0	0	294	6,530	Jan.
160,190	17,190	48,870	+ 420	87,310	0	0	277	15,000	Feb.
133,240	19,030	42,020	+ 430	13,700	0	0	282	11,770	Mar.
161,920	18,410	35,940	- 370	12,220	39,980	0	313	11,750	April
222,000	19,030	46,430	-1,070	99,300	74,470	0	323	15,000	May
209,700	18,410	45,270	-1,460	184,310	0	0	321	15,000	June
216,250	19,030	30,130	-1,930	4,150	0	0	324	9,770	July
211,710	19,030	17,070	-1,720	0	0	0	313	5,350	Aug.
180,960	18,410	7,600	-1,110	0	0	0	298	2,350	Sept.
158,440	19,030	4,000	- 410	0	0	0	287	1,140	Oct.
143,060	18,410	0	+ 140	0	0	0	...	0	Nov.
181,390	19,030	47,500	+ 480	46,730	0	0	312	14,800	Dec.
	224,040	345,820	-6,160	552,980	114,450	0	304	9,010	Total or average
1910									
160,810	19,030	45,580	+ 680	44,650	0	0	286	13,170	Jan.
134,630	17,190	32,330	+ 420	3,400	0	0	275	9,850	Feb.
134,730	19,030	47,610	+ 430	47,070	0	0	287	13,640	Mar.
168,450	18,410	42,440	- 370	22,560	55,670	0	315	13,860	April
222,000	19,030	46,380	-1,070	92,040	47,990	0	323	15,000	May
211,490	18,410	33,310	-1,460	14,690	0	0	319	10,920	June
203,120	19,030	10,600	-1,930	0	0	0	310	3,290	July
182,160	19,030	2,960	-1,550	0	0	0	299	1,180	Aug.
161,580	18,410	4,420	- 990	0	0	0	287	1,310	Sept.
142,180	19,030	3,000	- 390	0	0	0	276	820	Oct.
126,340	18,410	0	+ 120	0	0	0	...	0	Nov.
118,150	19,030	0	+ 370	0	0	0	...	0	Dec.
	224,040	269,630	-5,740	224,410	103,660	0	298	6,900	Total or average
1911									
121,390	19,030	18,120	+ 470	52,820	0	0	275	5,090	Jan.
179,890	17,190	47,070	+ 420	125,410	0	0	286	14,910	Feb.
133,640	19,030	52,540	+ 430	102,620	0	0	286	15,000	Mar.
163,880	18,410	46,240	- 370	78,010	54,850	0	314	15,000	April
222,000	19,030	46,160	-1,070	97,820	103,280	0	325	15,000	May
216,640	18,410	44,870	-1,460	262,490	0	0	323	15,000	June
220,410	19,030	40,400	-1,930	11,260	47,420	0	325	13,130	July
217,370	19,030	26,500	-1,720	0	0	0	315	8,360	Aug.
186,620	18,410	11,500	-1,110	0	0	0	302	3,580	Sept.
164,880	19,030	4,000	- 410	0	0	0	290	1,170	Oct.
150,230	18,410	0	+ 140	0	0	0	...	0	Nov.
143,860	19,030	2,000	+ 400	0	0	0	278	550	Dec.
	224,040	339,400	-6,210	730,430	205,550	0	302	8,850	Total or average
1912									
131,530	19,030	2,920	+ 490	0	0	0	272	790	Jan.
124,130	17,800	8,000	+ 300	0	0	0	263	2,260	Feb.
109,430	19,030	24,000	+ 290	0	0	0	249	5,980	Mar.
87,690	18,410	34,000	- 230	0	0	0	229	8,040	April
65,850	19,030	31,000	- 600	0	0	0	247	7,650	May
155,220	18,410	33,020	-1,250	0	10,360	0	319	10,920	June
217,180	19,030	9,900	-1,930	0	0	0	318	3,150	July
196,220	19,030	5,580	-1,550	0	0	0	307	1,720	Aug.
175,640	18,410	6,800	- 990	0	0	0	296	2,010	Sept.
156,240	19,030	3,000	- 390	0	0	0	285	860	Oct.
139,080	18,410	0	+ 120	0	0	0	...	0	Nov.
151,890	19,030	11,000	+ 400	0	0	0	281	3,090	Dec.
	224,650	169,020	-5,340	0	10,360	0	279	3,870	Total or average

TABLE 6a (Continued). PARDEE RESER
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1913									
Jan.	22,600	132,760	19,030	2,500	+ 490	0	0	274	690
Feb.	19,800	134,320	17,190	18,500	+ 300	0	0	271	5,540
Mar.	21,600	118,730	19,030	34,770	+ 310	0	0	252	8,760
April	83,900	86,840	18,410	35,000	— 260	0	0	247	8,930
May	148,000	117,070	19,030	32,060	— 830	0	0	292	9,370
June	55,300	213,150	18,410	32,210	—1,460	3,280	0	324	10,790
July	10,500	213,090	19,030	10,500	—1,930	0	0	316	3,320
Aug.	8,360	192,130	19,030	8,360	—1,530	0	0	305	2,550
Sept.	6,370	171,550	18,410	6,370	— 990	0	0	293	1,930
Oct.	7,130	152,150	19,030	3,000	— 390	0	0	282	850
Nov.	8,090	136,860	18,410	0	+ 130	0	0	...	0
Dec.	14,300	126,670	19,030	0	+ 360	0	0	...	0
Total or average	405,950		224,040	183,270	—5,820	3,280	0	286	4,370
1914									
Jan.	169,000	122,300	19,030	10,140	+ 450	40,580	0	301	3,270
Feb.	102,000	222,000	17,190	41,650	+ 420	43,580	0	325	15,000
Mar.	105,000	222,000	19,030	46,120	+ 430	40,280	0	325	15,000
April	144,000	222,000	18,410	44,630	— 370	80,590	0	325	15,000
May	261,000	222,000	19,030	46,120	—1,070	194,780	0	325	15,000
June	198,000	222,000	18,410	44,630	—1,460	133,500	0	325	15,000
July	50,200	222,000	19,030	31,320	—1,930	8,010	0	324	10,160
Aug.	10,200	211,910	19,030	20,200	—1,720	0	0	313	6,330
Sept.	7,800	181,160	18,410	10,800	—1,110	0	0	298	3,330
Oct.	8,120	158,640	19,030	7,000	— 410	0	0	286	2,000
Nov.	7,970	140,320	18,410	0	+ 140	0	0	...	0
Dec.	12,600	130,020	19,030	0	+ 390	0	0	...	0
Total or average	1,075,890		224,040	302,610	—6,240	541,320	0	314	8,280
1915									
Jan.	19,600	123,980	19,030	1,500	+ 490	0	0	269	400
Feb.	75,000	123,540	17,190	13,500	+ 300	0	0	286	4,270
Mar.	61,400	168,150	19,030	46,120	+ 390	0	0	293	13,490
April	133,000	164,790	18,410	44,630	— 370	12,380	0	310	14,310
May	218,000	222,000	19,030	46,120	—1,070	151,780	0	325	15,000
June	231,000	222,000	18,410	44,630	—1,460	166,500	0	325	15,000
July	44,000	222,000	19,030	28,700	—1,930	5,800	0	324	9,300
Aug.	5,710	210,540	19,030	9,710	—1,630	0	0	314	3,050
Sept.	6,370	185,880	18,410	9,370	—1,050	0	0	300	2,920
Oct.	6,830	163,420	19,030	4,000	— 400	0	0	289	1,160
Nov.	8,690	146,820	18,410	0	+ 130	0	0	...	0
Dec.	19,800	137,230	19,030	0	+ 390	0	0	...	0
Total or average	829,400		224,040	248,280	—6,210	336,460	0	303	6,580
1916									
Jan.	79,300	138,390	19,030	6,500	+ 490	0	0	290	1,900
Feb.	97,800	192,650	17,800	43,140	+ 400	7,910	0	319	14,740
Mar.	175,000	222,000	19,030	46,120	+ 430	110,280	0	325	15,000
April	195,000	222,000	18,410	44,630	— 370	131,590	0	325	15,000
May	205,000	222,000	19,030	46,120	—1,070	138,780	0	325	15,000
June	181,000	222,000	18,410	44,630	—1,460	116,500	0	325	15,000
July	46,900	222,000	19,030	32,390	—1,930	3,800	0	324	10,500
Aug.	10,500	211,750	19,030	19,500	—1,720	0	0	313	6,100
Sept.	6,720	182,000	18,410	9,720	—1,110	0	0	299	3,000
Oct.	12,700	159,480	19,030	6,000	— 410	0	0	288	1,730
Nov.	11,800	146,740	18,410	4,000	+ 140	0	0	280	1,170
Dec.	27,600	136,270	19,030	1,000	+ 400	0	0	282	280
Total or average	1,049,320		224,650	303,750	—6,210	508,860	0	308	8,240

VOIR ON MOKELUMNE RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 6, page 124.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.									
Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evapora-tion in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1913									
132,760	19,030	2,500	+ 490	0	0	0	274	690	Jan.
134,320	17,190	18,500	+ 300	0	0	0	271	5,540	Feb.
118,730	19,030	34,770	+ 310	0	0	0	252	8,760	Mar.
80,840	18,410	35,000	— 260	0	0	0	247	8,930	April
117,070	19,030	32,060	— 830	0	0	0	292	9,370	May
213,150	18,410	32,210	— 1,460	0	3,280	0	324	10,790	June
213,090	19,030	10,500	— 1,930	0	0	0	316	3,320	July
192,130	19,030	8,360	— 1,550	0	0	0	305	2,550	Aug.
171,550	18,410	6,370	— 990	0	0	0	293	1,930	Sept.
152,150	19,030	3,000	— 390	0	0	0	282	850	Oct.
136,860	18,410	0	+ 130	0	0	0	...	0	Nov.
126,670	19,030	0	+ 360	0	0	0	...	0	Dec.
	224,040	183,270	—5,820	0	3,280	0	286	4,370	Total or average
1914									
122,300	19,030	39,510	+ 450	95,510	0	0	283	11,160	Jan.
137,700	17,190	42,430	+ 420	48,850	0	0	275	12,920	Feb.
131,650	19,030	45,680	+ 430	6,190	0	0	283	12,840	Mar.
166,180	18,410	39,980	— 370	17,370	12,050	0	314	13,060	April
222,000	19,030	46,430	— 1,070	152,780	53,790	0	323	15,000	May
209,900	18,410	45,270	— 1,460	126,510	0	0	320	15,000	June
216,250	19,030	30,790	— 1,930	1,900	890	0	324	10,130	July
211,910	19,030	20,200	— 1,720	0	0	0	313	6,330	Aug.
181,160	18,410	10,800	— 1,110	0	0	0	298	3,330	Sept.
158,640	19,030	7,000	— 410	0	0	0	286	2,000	Oct.
140,320	18,410	0	+ 140	0	0	0	...	0	Nov.
130,020	19,030	0	+ 390	0	0	0	...	0	Dec.
	224,040	328,090	—6,240	449,110	66,730	0	302	8,450	Total or average
1915									
123,980	19,030	1,500	+ 490	0	0	0	269	400	Jan.
123,540	17,190	22,210	+ 300	17,270	0	0	278	6,860	Feb.
142,170	19,030	18,950	+ 390	1,190	0	0	286	5,480	Mar.
164,790	18,410	44,630	— 370	12,380	0	0	310	14,310	April
222,000	19,030	46,410	— 1,070	142,010	20,690	0	323	15,000	May
210,790	18,410	45,230	— 1,460	159,450	0	0	321	15,000	June
217,240	19,030	28,130	— 1,930	1,270	340	0	323	9,130	July
210,540	19,030	9,710	— 1,630	0	0	0	314	3,050	Aug.
185,880	18,410	9,370	— 1,050	0	0	0	300	2,920	Sept.
163,420	19,030	4,000	— 400	0	0	0	289	1,160	Oct.
146,820	18,410	0	+ 130	0	0	0	...	0	Nov.
137,230	19,030	0	+ 390	0	0	0	...	0	Dec.
	224,040	230,140	—6,210	333,570	21,030	0	302	6,080	Total or average
1916									
138,390	19,030	30,450	+ 490	34,170	0	0	280	8,510	Jan.
134,530	17,890	49,270	+ 400	30,730	0	0	275	14,470	Feb.
134,930	19,030	52,940	+ 430	72,920	0	0	283	14,990	Mar.
165,470	18,410	44,740	— 370	21,790	53,160	0	314	14,510	April
222,000	19,030	46,420	— 1,070	77,790	72,090	0	323	15,000	May
210,600	18,410	45,170	— 1,460	109,520	0	0	321	14,970	June
217,040	19,030	30,370	— 1,930	0	860	0	324	9,850	July
211,756	19,030	19,500	— 1,720	0	0	0	313	6,100	Aug.
182,000	18,410	9,720	— 1,110	0	0	0	299	3,000	Sept.
159,480	19,030	6,000	— 410	0	0	0	288	1,730	Oct.
146,740	18,410	4,000	+ 140	0	0	0	280	1,170	Nov.
136,270	19,030	1,000	+ 400	0	0	0	282	280	Dec.
	224,650	339,580	—6,210	346,920	126,110	0	298	8,690	Total or average

TABLE 6a (Continued). PARDEE RESER
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1917									
Jan.	20,000	144,240	19,030	19,500	+ 530	0	0	276	5,390
Feb.	69,400	126,240	17,190	15,500	+ 330	0	0	270	4,640
Mar.	59,500	163,280	19,030	46,120	+ 430	0	0	291	13,430
April	134,000	158,060	18,410	44,630	- 370	6,650	0	306	14,100
May	207,000	222,000	19,030	46,120	-1,070	140,780	0	325	15,000
June	264,000	222,000	18,410	44,630	-1,460	199,500	0	325	15,000
July	47,000	222,000	19,030	29,530	-1,930	6,000	0	324	9,580
Aug.	9,350	212,510	19,030	16,350	-1,720	0	0	314	5,130
Sept.	5,680	184,760	18,410	8,680	-1,110	0	0	301	2,690
Oct.	4,590	162,240	19,030	x,000	- 410	0	0	288	1,160
Nov.	5,119	143,390	18,410	0	+ 130	0	0	...	0
Dec.	3,230	130,220	19,030	0	+ 390	0	0	...	0
Total or average	828,860		224,040	275,060	-6,260	352,930	0	302	7,190
1918									
Jan.	3,170	114,810	19,030	1,500	+ 450	0	0	255	380
Feb.	19,400	97,900	17,190	9,760	+ 250	0	0	242	2,620
Mar.	106,000	90,600	19,030	15,000	+ 250	0	0	266	3,990
April	122,000	162,820	18,410	44,630	- 300	0	0	306	14,100
May	148,000	221,480	19,030	46,120	-1,070	81,260	0	325	15,000
June	87,500	222,000	18,410	37,660	-1,460	35,420	0	325	12,640
July	7,930	216,550	19,030	7,930	-1,930	0	0	317	2,510
Aug.	4,860	195,590	19,030	4,860	-1,550	0	0	307	1,490
Sept.	8,810	175,010	18,410	8,810	- 990	0	0	295	2,690
Oct.	13,700	155,610	19,030	3,000	- 390	0	0	287	860
Nov.	12,300	146,890	18,410	0	+ 130	0	0	...	0
Dec.	12,500	140,910	19,030	0	+ 390	0	0	...	0
Total or average	546,170		224,040	179,270	-6,220	116,680	0	293	4,680
1919									
Jan.	10,300	134,770	19,030	6,000	+ 470	0	0	271	1,630
Feb.	47,100	120,510	17,190	10,500	+ 280	0	0	272	3,150
Mar.	51,500	140,200	19,030	46,120	+ 310	0	0	273	12,590
April	146,000	126,860	18,410	44,630	- 280	0	0	291	13,400
May	247,000	209,540	19,030	46,120	-1,070	168,320	0	325	15,000
June	33,860	222,000	18,410	21,270	-1,460	3,250	0	323	8,130
July	5,560	208,410	19,030	5,560	-1,740	0	0	313	1,750
Aug.	4,930	187,640	19,030	4,930	-1,380	0	0	303	1,490
Sept.	5,180	167,230	18,410	5,180	- 930	0	0	291	1,560
Oct.	4,690	147,890	19,030	3,000	- 360	0	0	279	830
Nov.	5,270	130,190	18,410	0	+ 120	0	0	...	0
Dec.	11,800	117,170	19,030	0	+ 320	0	0	...	0
Total or average	573,130		224,040	196,310	-5,720	171,570	0	294	4,970
1920									
Jan.	7,810	110,260	19,030	1,500	+ 390	0	0	254	380
Feb.	8,230	97,930	17,800	2,500	+ 230	0	0	243	650
Mar.	43,600	86,090	19,030	19,380	+ 220	0	0	241	4,680
April	88,700	91,500	18,410	35,000	- 190	0	0	252	9,110
May	191,000	126,600	19,030	35,880	- 720	39,970	0	304	10,990
June	78,500	222,000	18,410	38,240	-1,460	24,370	0	325	12,830
July	13,800	218,020	19,030	13,800	-1,930	0	0	318	4,400
Aug.	5,840	197,060	19,030	5,840	-1,550	0	0	308	1,800
Sept.	4,840	176,480	18,410	4,840	- 990	0	0	296	1,490
Oct.	9,590	157,080	19,030	3,000	- 390	0	0	286	860
Nov.	19,900	144,250	18,410	0	+ 130	0	0	...	0
Dec.	34,500	145,870	19,030	0	+ 390	0	0	...	0
Total or average	506,310		224,650	159,980	-5,870	64,340	0	283	3,930

VOIR ON MOKELUMNE RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 6, page 124.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.									
Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
144,240	19,030	19,500	+ 530	0	0	0	276	5,390	1917
126,240	17,190	17,750	+ 330	13,790	0	0	270	5,360	Jan.
147,240	19,030	28,180	+ 430	1,900	0	0	288	8,150	Feb.
158,060	18,410	44,630	- 370	0	6,650	0	306	14,100	Mar.
222,000	19,030	46,180	-1,070	59,840	85,440	0	325	15,000	Apr.
217,440	18,410	44,750	-1,460	187,820	7,000	0	324	15,000	May
222,000	19,030	29,530	-1,930	0	6,000	0	324	9,580	June
212,510	19,030	16,350	-1,720	0	0	0	314	5,130	July
184,760	18,410	8,680	-1,110	0	0	0	301	2,690	Aug.
162,240	19,030	4,000	- 410	0	0	0	288	1,160	Sept.
143,390	18,410	0	+ 130	0	0	0	...	0	Oct.
130,220	19,030	0	+ 390	0	0	0	...	0	Nov.
									Dec.
	224,040	259,550	-6,260	263,350	105,090	0	302	6,790	Total or average
114,810	19,030	1,500	+ 450	0	0	0	255	380	1918
97,900	17,190	9,760	+ 250	0	0	0	242	2,620	Jan.
90,600	19,030	15,000	+ 250	0	0	0	266	3,990	Feb.
162,820	18,410	44,630	- 300	0	0	0	306	14,100	Mar.
221,480	19,030	46,120	-1,070	0	81,260	0	325	15,000	Apr.
222,000	18,410	37,660	-1,460	0	35,420	0	325	12,640	May
216,550	19,030	7,930	-1,930	0	0	0	317	2,510	June
195,590	19,030	4,860	-1,550	0	0	0	307	1,490	July
175,010	18,410	8,810	- 990	0	0	0	295	2,690	Aug.
155,610	19,030	3,000	- 390	0	0	0	287	860	Sept.
146,890	18,410	0	+ 130	0	0	0	...	0	Oct.
140,910	19,030	0	+ 390	0	0	0	...	0	Nov.
									Dec.
	224,040	179,270	-6,220	0	116,680	0	293	4,680	Total or average
134,770	19,030	6,000	+ 470	0	0	0	271	1,630	1919
120,510	17,190	10,500	+ 280	0	0	0	272	3,150	Jan.
140,200	19,030	46,120	+ 310	0	0	0	273	12,590	Feb.
126,860	18,410	44,630	- 280	0	0	0	291	13,400	Mar.
209,540	19,030	46,120	-1,070	0	168,320	0	325	15,000	Apr.
222,000	18,410	24,270	-1,460	0	3,250	0	323	8,130	May
208,410	19,030	5,560	-1,740	0	0	0	313	1,750	June
187,640	19,030	4,930	-1,380	0	0	0	303	1,490	July
167,230	18,410	5,180	- 930	0	0	0	291	1,560	Aug.
147,890	19,030	3,000	- 360	0	0	0	279	830	Sept.
130,190	18,410	0	+ 120	0	0	0	...	0	Oct.
117,170	19,030	0	+ 320	0	0	0	...	0	Nov.
									Dec.
	224,040	196,310	-5,720	0	171,570	0	294	4,970	Total or average
110,260	19,030	1,500	+ 390	0	0	0	254	380	1920
97,930	17,800	2,500	+ 230	0	0	0	243	650	Jan.
86,090	19,030	19,380	+ 220	0	0	0	241	4,680	Feb.
91,500	18,410	35,000	- 190	0	0	0	252	9,110	Mar.
126,600	19,030	35,880	- 720	0	39,970	0	304	10,990	Apr.
222,000	18,410	38,240	-1,460	0	24,370	0	325	12,830	May
218,020	19,030	13,800	-1,930	0	0	0	318	4,400	June
197,060	19,030	5,840	-1,550	0	0	0	308	1,800	July
176,480	18,410	4,840	- 990	0	0	0	296	1,490	Aug.
157,080	19,030	3,000	- 390	0	0	0	286	860	Sept.
144,250	18,410	0	+ 130	0	0	0	...	0	Oct.
145,370	19,030	0	+ 390	0	0	0	...	0	Nov.
									Dec.
	224,650	159,980	-5,370	0	64,340	0	283	3,930	Total or average

TABLE 6a (Continued). PARDEE RESER
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Without flood control							Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
		Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet			
1921										
Jan.	78,700	161,730	19,030	25,500	+ 530	0	0	300	7,630	
Feb.	61,100	196,430	17,190	41,650	+ 420	0	0	312	14,420	
Mar.	108,000	199,110	19,030	46,120	+ 430	20,390	0	323	14,910	
April	123,000	222,000	18,410	44,630	- 370	59,590	0	325	15,000	
May	218,000	222,000	19,030	46,120	-1,070	151,780	0	325	15,000	
June	178,000	222,000	18,410	44,630	-1,460	113,500	0	325	15,000	
July	20,400	222,000	19,030	17,610	-1,930	280	0	321	5,690	
Aug.	7,750	203,550	19,030	7,750	-1,550	0	0	311	2,410	
Sept.	5,710	182,970	18,410	5,710	- 990	0	0	300	1,780	
Oct.	7,190	163,570	19,030	3,000	- 390	0	0	289	870	
Nov.	4,530	148,340	18,410	0	+ 130	0	0	...	0	
Dec.	10,900	134,590	19,030	0	+ 360	0	0	...	0	
Total or average	823,280		224,040	282,720	-5,890	345,540	0	313	7,660	
1922										
Jan.	19,200	126,820	19,030	1,500	+ 440	0	0	272	400	
Feb.	58,900	125,930	17,190	3,000	+ 270	0	0	280	940	
Mar.	56,500	164,910	19,030	46,120	+ 330	0	0	288	13,310	
April	107,000	156,590	18,410	44,630	- 320	0	0	297	13,690	
May	318,000	209,230	19,030	46,120	-1,070	230,010	0	325	14,970	
June	280,000	222,000	18,410	44,630	-1,460	215,500	0	325	15,000	
July	39,200	222,000	19,030	27,470	-1,930	5,030	0	323	8,900	
Aug.	10,100	207,740	19,030	15,100	-1,630	0	0	312	4,720	
Sept.	7,620	182,980	18,410	10,620	-1,050	0	0	299	3,280	
Oct.	7,990	159,620	19,030	4,000	- 400	0	0	287	1,140	
Nov.	10,700	144,180	18,410	0	+ 130	0	0	...	0	
Dec.	58,800	136,600	19,030	0	+ 390	0	0	...	0	
Total or average	974,010		224,040	243,190	-6,300	450,540	0	301	6,390	
1923										
Jan.	46,200	176,760	19,030	46,120	+ 580	0	0	294	13,560	
Feb.	33,300	158,390	17,190	41,650	+ 420	0	0	283	13,050	
Mar.	43,300	133,270	19,030	46,120	+ 430	0	0	268	12,340	
April	127,000	111,850	18,410	44,630	- 370	0	0	282	13,010	
May	225,000	175,440	19,030	46,120	-1,070	112,220	0	321	14,790	
June	104,000	222,000	18,410	44,630	-1,460	39,500	0	325	15,000	
July	28,500	222,000	19,030	22,660	-1,930	770	0	322	7,330	
Aug.	9,100	206,110	19,030	9,100	-1,550	0	0	312	2,850	
Sept.	9,040	185,530	18,410	9,040	- 990	0	0	302	2,820	
Oct.	9,410	166,130	19,030	3,000	- 390	0	0	292	870	
Nov.	7,080	153,120	18,410	0	+ 120	0	0	...	0	
Dec.	6,950	141,910	19,030	0	+ 350	0	0	...	0	
Total or average	648,880		224,040	313,070	-5,860	152,490	0	300	7,930	
1924										
Jan.	8,670	130,180	19,030	8,670	+ 390	0	0	267	2,310	
Feb.	15,900	111,540	17,800	15,900	+ 210	0	0	252	4,300	
Mar.	11,200	93,950	19,030	11,200	+ 200	0	0	237	2,650	
April	53,100	75,120	18,410	30,000	- 140	0	0	225	6,970	
May	60,900	79,670	19,030	31,000	- 420	0	0	245	7,580	
June	4,210	90,120	18,410	4,210	- 640	0	0	233	1,010	
July	1,220	71,070	19,030	1,220	- 690	0	0	213	260	
Aug.	330	51,350	19,030	330	- 450	0	0	186	70	
Sept.	2,980	31,870	6,770	2,980	- 270	0	11,640	161	500	
Oct.	5,340	24,830	0	5,340	- 110	0	19,030	159	850	
Nov.	18,200	24,720	0	18,200	+ 40	0	18,410	159	2,990	
Dec.	24,600	24,760	9,470	10,950	+ 120	0	8,560	159	1,750	
Total or average	206,650		166,010	140,000	-1,760	0	58,640	208	2,590	

VOIR ON MOKELUMNE RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 6, page 124.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.									
Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
161,730	19,030	46,650	+ 530	40,060	0	0	283	13,200	1921
135,220	17,190	38,130	+ 420	4,710	0	0	275	11,620	Jan.
136,710	19,030	39,360	+ 430	15,090	0	0	287	10,970	Feb.
171,660	18,410	32,610	— 370	21,270	0	0	314	10,400	Mar.
222,000	19,030	46,320	—1,070	105,650	55,850	0	324	15,090	April
212,080	18,410	44,630	—1,460	106,950	0	0	322	14,550	May
218,630	19,030	16,740	—1,930	0	0	0	320	5,420	June
201,330	19,030	7,750	—1,550	0	0	0	310	2,410	July
180,750	18,410	5,710	— 990	0	0	0	299	1,760	Aug.
161,350	19,030	3,000	— 390	0	0	0	288	866	Sept.
146,120	18,410	0	+ 130	0	0	0	...	0	Oct.
132,370	19,030	0	+ 360	0	0	0	...	0	Nov.
	224,040	280,900	—5,890	293,730	55,850	0	302	7,170	Dec.
									Total or average
124,600	19,030	1,500	+ 440	0	0	0	271	400	1922
123,710	17,190	8,450	+ 270	5,650	0	0	278	2,650	Jan.
151,590	19,030	32,800	+ 330	0	0	0	288	9,790	Feb.
156,590	18,410	44,630	— 320	0	0	0	297	13,690	Mar.
200,230	19,030	46,270	—1,070	178,710	57,990	0	323	12,970	April
215,160	18,410	44,940	—1,460	209,840	0	0	323	15,900	May
220,510	19,030	27,470	—1,930	530	3,010	0	323	8,900	June
207,740	19,030	15,100	—1,630	0	0	0	312	4,720	July
182,080	18,410	10,620	—1,050	0	0	0	299	3,280	Aug.
159,620	19,030	4,000	— 400	0	0	0	287	1,140	Sept.
144,180	18,410	0	+ 130	0	0	0	...	0	Oct.
136,600	19,030	0	+ 390	0	0	0	...	0	Nov.
	224,040	235,780	—6,300	394,730	61,000	0	300	6,220	Dec.
									Total or average
176,760	19,030	44,710	+ 580	23,440	0	0	285	12,770	1923
136,360	17,190	19,620	+ 420	0	0	0	275	5,080	Jan.
133,270	19,030	46,120	+ 430	0	0	0	268	12,340	Feb.
111,850	18,410	44,630	— 370	0	0	0	282	13,010	Mar.
175,440	19,030	46,420	—1,070	113,090	10,520	0	319	14,780	April
210,400	18,410	44,760	—1,460	32,930	0	0	321	14,830	May
216,840	19,030	20,600	—1,930	0	0	0	321	6,670	June
203,780	19,030	9,100	—1,550	0	0	0	311	2,840	July
183,200	18,410	9,040	— 990	0	0	0	301	2,810	Aug.
163,800	19,030	3,000	— 390	0	0	0	291	870	Sept.
150,790	18,410	0	+ 120	0	0	0	...	0	Oct.
139,580	19,030	0	+ 350	0	0	0	...	0	Nov.
	224,040	288,000	—5,860	169,370	10,520	0	297	7,250	Dec.
									Total or average
127,850	19,030	8,670	+ 390	0	0	0	265	2,300	1924
109,210	17,800	15,900	+ 210	0	0	0	250	4,250	Jan.
91,620	19,030	11,200	+ 200	0	0	0	235	2,620	Feb.
72,790	18,410	30,000	— 140	0	0	0	224	6,940	Mar.
77,340	19,030	31,000	— 420	0	0	0	243	7,530	April
87,790	18,410	4,210	— 640	0	0	0	231	1,000	May
68,740	19,030	1,220	— 690	0	0	0	210	290	June
49,020	19,030	330	— 450	0	0	0	183	59	July
29,540	4,480	2,980	— 270	0	0	13,930	169	480	Aug.
24,790	0	5,340	— 110	0	0	19,030	159	850	Sept.
24,680	0	18,200	+ 40	0	0	18,410	159	2,990	Oct.
24,720	9,430	10,950	+ 120	0	0	9,630	159	1,750	Nov.
	163,680	140,000	—1,760	0	0	60,970	206	2,570	Dec.
									Total or average

TABLE 6a (Concluded). PARDEE RESER
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor = 1.00)
1925									
Jan.	22,500	29,060	19,030	1,500	+ 160	0	0	172	260
Feb.	107,000	31,190	17,190	2,500	+ 100	0	0	231	640
Mar.	81,800	118,600	19,030	13,500	+ 260	0	0	280	3,780
April	164,000	168,130	18,410	44,630	- 290	46,800	0	315	14,530
May	237,000	222,000	19,030	46,120	-1,070	170,780	0	325	15,000
June	124,000	222,000	18,410	44,630	-1,460	59,500	0	325	15,000
July	21,000	222,000	19,030	16,690	-1,930	0	0	322	5,390
Aug.	10,200	205,350	19,030	10,200	-1,490	0	0	312	3,190
Sept.	7,910	184,830	18,410	7,910	- 990	0	0	301	2,470
Oct.	5,560	165,430	19,030	3,000	- 390	0	0	291	870
Nov.	7,620	148,570	18,410	0	+ 130	0	0	...	0
Dec.	14,400	137,910	19,030	0	+ 360	0	0	...	0
Total or average	802,900		224,040	190,680	-6,610	277,080	0	288	5,100
Total for 21-year period 1905-1926	17,355,000		4,649,250	5,331,950	122,650	7,263,370	58,640		
Average for 21-year period, 1905-1926	826,430		221,390	253,900	5,840	345,870	2,790	296	6,640

VOIR ON MOKELUMNE RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

tions Carried out on a Daily Basis.

mary, see Table 6, page 124.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.									
Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
29,060	19,030	1,500	+ 160	0	0	0	172	260	1925
31,190	17,190	2,500	+ 100	0	0	0	231	640	Jan.
118,600	19,030	13,500	+ 260	0	0	0	280	3,780	Feb.
168,130	18,410	44,680	— 290	19,410	27,340	0	315	14,530	Mar.
222,000	19,030	46,380	—1,070	108,600	72,430	0	323	15,000	April
211,490	18,410	43,870	—1,460	54,840	0	0	321	14,540	May
216,910	19,030	16,310	—1,930	0	0	0	320	5,230	June
200,640	19,030	10,200	—1,490	0	0	0	310	3,160	July
180,120	18,410	7,910	— 990	0	0	0	298	2,440	Aug.
160,720	19,030	3,000	— 390	0	0	0	288	860	Sept.
143,860	18,410	0	+ 130	0	0	0	...	0	Oct.
133,200	19,030	0	+ 360	0	0	0	...	0	Nov.
	224,040	189,850	—5,610	182,850	99,770	0	286	5,040	Dec.
									Total or average
	4,646,920	5,358,630	122,650	5,145,700	2,098,030	60,970			Total for 21-year period, 1905-1926
									Average for 21-year period, 1905-1926
	221,280	255,170	5,840	245,030	99,910	2,900	292	6,510	

TABLE 7a. PARDEE RESER
COMPARISON OF WATER AND POWER YIELD
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Flood control by reservoir operating diagram								
		Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.										
1905										
Jan.	26,320	145,860	19,030	10,500	+ 610	0	0	0	282	2,960
Feb.	47,370	143,260	17,190	22,500	+ 380	0	0	0	285	7,100
Mar.	86,700	151,320	19,030	46,120	+ 430	0	0	0	290	13,370
April	116,600	173,300	18,410	44,630	— 370	0	4,490	0	311	14,380
May	156,600	222,000	19,030	46,200	—1,070	73,570	21,890	0	324	15,000
June	99,070	216,840	18,410	40,510	—1,460	38,270	0	0	323	13,540
July	11,560	217,260	19,030	11,560	—1,930	0	0	0	318	3,680
Aug.	7,870	196,300	19,030	7,870	—1,550	0	0	0	307	2,420
Sept.	8,270	175,720	18,410	8,270	— 990	0	0	0	296	2,530
Oct.	7,010	156,320	19,030	3,000	— 390	0	0	0	285	860
Nov.	4,730	140,910	18,410	0	+ 120	0	0	0	...	0
Dec.	5,960	127,350	19,030	0	+ 360	0	0	0	...	0
Total or average	578,060		224,040	241,160	—5,860	111,840	26,380	0	302	6,300
1906										
Jan.	61,200	114,640	19,030	0	+ 420	0	0	0	...	0
Feb.	44,900	157,230	17,190	41,650	+ 320	0	0	0	282	13,020
Mar.	155,000	143,610	19,030	44,580	+ 370	63,140	0	0	289	12,880
April	175,000	172,230	18,410	43,760	— 370	26,850	35,840	0	314	14,220
May	289,000	222,000	19,030	46,430	—1,070	137,510	96,860	0	323	15,000
June	358,000	210,100	18,410	45,110	—1,460	285,980	0	0	322	15,000
July	218,000	217,140	19,030	44,620	—1,930	48,070	99,620	0	325	14,500
Aug.	21,900	221,870	19,030	31,900	—1,720	0	0	0	317	10,130
Sept.	12,000	191,120	18,410	11,600	—1,110	0	0	0	305	3,650
Oct.	11,700	172,000	19,030	6,500	— 410	0	0	0	296	1,820
Nov.	14,800	157,760	18,410	3,000	+ 140	0	0	0	289	900
Dec.	53,900	151,290	19,030	11,310	+ 420	9,600	0	0	292	3,370
Total or average	1,415,400		224,040	330,460	—6,400	571,150	232,320	0	305	8,680
1907										
Jan.	70,100	165,670	19,030	49,580	+ 630	33,160	0	0	283	14,050
Feb.	154,000	134,630	17,190	49,240	+ 420	91,070	0	0	275	15,000
Mar.	300,000	131,550	19,030	51,000	+ 430	149,290	0	0	294	14,950
April	264,000	212,660	18,410	45,470	— 370	128,450	61,960	0	319	15,000
May	259,000	222,000	19,030	46,120	—1,070	11,670	181,110	0	325	15,000
June	281,000	222,000	18,410	44,630	—1,460	107,620	108,880	0	325	15,000
July	205,000	222,000	19,030	46,120	—1,930	0	137,920	0	325	15,000
Aug.	43,200	222,000	19,030	31,290	—1,720	0	2,700	0	323	10,130
Sept.	15,300	210,460	18,410	30,500	—1,230	0	0	0	311	9,810
Oct.	17,000	175,620	19,030	9,500	— 490	0	0	0	299	2,840
Nov.	13,900	163,600	18,410	9,000	+ 160	0	0	0	290	2,710
Dec.	20,200	150,250	19,030	3,000	+ 480	0	0	0	286	860
Total or average	1,642,700		224,040	415,450	—6,150	521,260	492,570	0	305	10,820
1908										
Jan.	33,000	148,900	19,030	12,500	+ 610	0	0	0	286	3,580
Feb.	22,600	150,980	17,800	28,500	+ 400	0	0	0	279	8,510
Mar.	50,200	127,680	19,030	33,470	+ 430	0	0	0	302	10,090
April	103,000	125,810	18,410	44,630	— 370	0	0	0	277	12,780
May	117,000	165,400	19,030	46,120	—1,070	0	0	0	310	14,300
June	75,000	216,180	18,410	40,220	—1,460	0	10,770	0	325	13,500
July	14,100	220,320	19,030	14,100	—1,930	0	0	0	319	4,500
Aug.	6,400	199,360	19,030	6,400	—1,550	0	0	0	309	1,830
Sept.	8,030	178,780	18,410	8,030	— 990	0	0	0	297	2,470
Oct.	8,730	159,580	19,030	3,000	— 390	0	0	0	288	860
Nov.	7,380	145,690	18,410	0	+ 130	0	0	0	...	0
Dec.	9,900	134,790	19,030	0	+ 370	0	0	0	...	0
Total or average	455,340		224,650	236,970	—5,820	0	10,770	0	299	6,020

VOIR ON MOKELUMNE RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 7, page 126.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Flood control, holding maximum reservoir space required (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season									
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.									
Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1905									
101,560	19,030	10,500	+ 610	0	0	0	251	2,630	Jan.
98,960	17,190	22,500	+ 380	0	0	0	254	6,320	Feb.
107,020	19,030	46,120	+ 430	0	0	0	260	12,020	Mar.
129,000	18,410	45,140	— 370	21,270	0	0	275	12,810	April
160,410	19,030	38,010	—1,070	49,900	0	0	310	11,870	May
209,000	18,410	41,550	—1,460	40,370	0	0	319	13,720	June
206,280	19,030	11,560	—1,930	0	0	0	312	3,620	July
185,320	19,030	7,870	—1,550	0	0	0	301	2,370	Aug.
164,740	18,410	8,270	— 990	0	0	0	289	2,470	Sept.
145,340	19,030	3,000	— 390	0	0	0	278	830	Oct.
129,930	18,410	0	+ 120	0	0	0	...	0	Nov.
116,370	19,030	0	+ 360	0	0	0	...	0	Dec.
	224,040	234,520	—5,860	111,540	0	0	285	5,700	Total or average
1906									
103,660	19,030	10,200	+ 420	6,050	0	0	273	2,770	Jan.
130,000	17,190	41,650	+ 320	0	0	0	263	12,160	Feb.
116,380	19,030	50,920	+ 370	67,620	0	0	269	13,700	Mar.
134,180	18,410	41,080	— 370	68,360	0	0	279	11,720	April
180,960	19,030	41,780	—1,070	149,080	50,000	0	319	13,370	May
209,000	18,410	45,380	—1,460	292,750	0	0	320	15,000	June
209,000	19,030	44,140	—1,930	41,750	98,270	0	324	14,310	July
221,870	19,030	31,900	—1,720	0	0	0	317	10,130	Aug.
191,120	18,410	11,600	—1,110	0	0	0	305	3,650	Sept.
172,000	19,030	6,500	— 410	0	0	0	296	1,920	Oct.
157,760	18,410	7,870	+ 140	19,330	0	0	282	2,250	Nov.
127,090	19,030	19,950	+ 420	12,430	0	0	272	5,390	Dec.
	224,040	352,970	—6,400	657,380	148,270	0	295	8,850	Total or average
1907									
130,000	19,030	47,260	+ 630	4,440	0	0	271	12,820	Jan.
130,000	17,190	49,500	+ 420	87,730	0	0	274	15,000	Feb.
130,000	19,030	52,200	+ 430	166,630	0	0	288	15,000	Mar.
192,570	18,410	38,470	— 370	180,090	0	0	298	11,780	April
219,230	19,030	46,670	—1,070	155,220	47,240	0	321	15,000	May
209,000	18,410	45,460	—1,460	215,670	0	0	319	15,000	June
209,000	19,030	45,650	—1,930	31,150	94,240	0	324	14,810	July
222,000	19,030	31,290	—1,720	2,700	0	0	323	10,130	Aug.
210,460	18,410	30,500	—1,230	0	0	0	311	9,810	Sept.
175,620	19,030	9,500	— 490	0	0	0	290	2,840	Oct.
163,600	18,410	13,260	+ 160	21,130	0	0	283	3,900	Nov.
124,860	19,030	3,000	+ 480	0	0	0	268	810	Dec.
	224,040	412,760	—6,150	864,760	141,480	0	298	10,560	Total or average
1908									
123,510	19,030	12,500	+ 610	0	0	0	268	3,350	Jan.
125,590	17,800	28,500	+ 400	0	0	0	261	7,960	Feb.
102,290	19,030	33,470	+ 430	0	0	0	252	8,410	Mar.
100,420	18,410	39,750	— 370	0	0	0	260	10,670	April
144,890	19,030	31,510	—1,070	1,280	0	0	303	9,560	May
209,000	18,410	40,620	—1,460	16,180	0	0	319	13,420	June
207,330	19,030	14,100	—1,930	0	0	0	313	4,410	July
186,370	19,030	6,400	—1,550	0	0	0	302	1,940	Aug.
165,790	18,410	8,030	— 990	0	0	0	290	2,400	Sept.
146,390	19,030	3,000	— 390	0	0	0	280	830	Oct.
132,700	18,410	0	+ 130	0	0	0	...	0	Nov.
121,800	19,030	0	+ 370	0	0	0	...	0	Dec.
	224,650	217,880	—5,820	17,460	0	0	285	5,220	Total or average

TABLE 7a (Continued). PARDEE

COMPARISON OF WATER AND POWER YIELD

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Flood control by reservoir operating diagram								
		Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.										
Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.										
1909										
Jan.	179,000	126,030	19,030	20,990	+ 440	105,260	0	0	294	6,530
Feb.	126,000	160,190	17,190	48,870	+ 420	87,310	0	0	277	15,000
Mar.	103,000	133,240	19,030	42,020	+ 430	13,700	0	0	282	11,770
April	167,000	161,920	18,410	35,940	+ 370	12,220	39,980	0	313	11,750
May	228,000	222,000	19,030	46,430	+ 1,070	99,300	74,470	0	323	15,000
June	256,000	209,700	18,410	45,270	+ 1,460	184,310	0	0	321	13,000
July	50,700	216,250	19,030	30,130	+ 1,930	4,150	0	0	324	9,770
Aug.	7,070	211,710	19,030	17,070	+ 1,720	0	0	0	313	5,350
Sept.	4,600	180,960	18,410	7,600	+ 1,110	0	0	0	298	2,350
Oct.	8,060	158,440	19,030	4,000	+ 410	0	0	0	287	1,140
Nov.	56,600	143,080	18,410	0	+ 140	0	0	0	...	0
Dec.	92,200	181,390	19,030	47,500	+ 480	46,730	0	0	312	14,800
Total or average	1,278,230		224,040	345,820	+ 6,100	552,980	114,450	0	304	9,010
1910										
Jan.	82,400	160,810	19,030	45,580	+ 680	44,650	0	0	286	13,170
Feb.	52,600	134,630	17,190	32,330	+ 420	3,400	0	0	275	9,850
Mar.	147,000	134,730	19,030	47,610	+ 430	47,070	0	0	287	13,640
April	193,000	168,450	18,410	42,440	+ 370	22,560	55,670	0	315	13,860
May	196,000	222,000	19,030	46,380	+ 1,070	92,040	47,990	0	323	15,000
June	59,500	211,490	18,410	33,310	+ 1,460	14,690	0	0	319	10,920
July	10,600	203,120	19,030	10,660	+ 1,930	0	0	0	310	3,290
Aug.	3,960	182,160	19,030	3,960	+ 1,550	0	0	0	299	1,180
Sept.	4,420	161,580	18,410	4,420	+ 990	0	0	0	287	1,310
Oct.	6,580	142,180	19,030	3,000	+ 390	0	0	0	276	820
Nov.	10,100	126,340	18,410	0	+ 120	0	0	0	...	0
Dec.	21,900	118,150	19,030	0	+ 370	0	0	0	...	0
Total or average	788,060		224,040	269,630	+ 5,740	224,410	103,660	0	298	6,900
1911										
Jan.	148,000	121,390	19,030	18,120	+ 470	52,820	0	0	275	5,090
Feb.	143,000	179,890	17,190	47,070	+ 420	125,410	0	0	285	14,910
Mar.	204,000	133,640	19,030	52,540	+ 430	102,620	0	0	286	15,000
April	256,000	193,880	18,410	46,240	+ 370	78,010	54,850	0	314	15,000
May	262,000	222,000	19,030	46,160	+ 1,070	97,820	103,280	0	325	15,000
June	331,000	216,640	18,410	44,870	+ 1,460	262,490	0	0	323	15,000
July	117,000	220,410	19,030	40,400	+ 1,930	11,260	47,420	0	325	13,130
Aug.	16,500	217,370	19,030	26,500	+ 1,720	0	0	0	315	8,360
Sept.	9,280	186,620	18,410	11,500	+ 1,110	0	0	0	302	3,580
Oct.	8,790	164,880	19,030	4,000	+ 410	0	0	0	290	1,170
Nov.	11,900	150,230	18,410	0	+ 140	0	0	0	...	0
Dec.	8,360	143,890	19,030	2,000	+ 400	0	0	0	278	550
Total or average	1,515,830		224,040	339,400	+ 6,210	730,430	205,550	0	302	8,850
1912										
Jan.	14,000	131,590	19,030	2,920	+ 490	0	0	0	272	790
Feb.	10,800	124,130	17,800	8,000	+ 300	0	0	0	263	2,260
Mar.	21,000	109,430	19,030	24,000	+ 290	0	0	0	249	5,880
April	30,800	87,690	18,410	31,000	+ 230	0	0	0	229	8,040
May	140,000	65,850	19,030	31,000	+ 600	0	0	0	247	7,650
June	125,000	155,220	18,410	33,020	+ 1,250	0	10,360	0	319	10,920
July	9,900	217,180	19,030	9,900	+ 1,930	0	0	0	318	3,150
Aug.	5,580	196,220	19,030	5,580	+ 1,550	0	0	0	307	1,720
Sept.	6,600	175,640	18,410	6,600	+ 990	0	0	0	296	2,010
Oct.	5,260	156,240	19,030	3,000	+ 390	0	0	0	285	860
Nov.	31,100	139,080	18,410	0	+ 120	0	0	0	...	0
Dec.	10,500	151,890	19,030	11,000	+ 400	0	0	0	281	3,090
Total or average	410,540		224,650	169,020	+ 5,340	0	10,360	0	279	3,870

RESERVOIR ON MOKELUMNE RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 7, page 126.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Flood control, holding maximum reservoir space required (rain-water floods, 92,000 ac.-ft.;
snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1909									
113,040	19,030	32,070	+ 440	111,380	0	0	271	8,880	Jan.
130,000	17,190	49,590	+ 420	59,640	0	0	273	15,000	Feb.
130,000	19,030	54,910	+ 430	29,490	0	0	273	15,000	Mar.
130,000	18,410	42,370	- 370	53,940	0	0	278	12,060	April
181,910	19,030	44,230	-1,070	104,550	32,030	0	319	14,150	May
209,000	18,410	45,460	-1,460	190,670	0	0	319	15,000	June
209,000	19,030	28,190	-1,930	7,700	0	0	320	9,050	July
202,850	19,030	8,210	-1,720	0	0	0	310	2,550	Aug.
180,960	18,410	7,600	-1,110	0	0	0	298	2,350	Sept.
158,440	19,030	4,000	- 410	0	0	0	287	1,140	Oct.
143,060	18,410	19,400	+ 140	31,990	0	0	273	5,490	Nov.
130,000	19,030	50,140	+ 480	28,610	0	0	272	13,660	Dec.
	224,040	386,170	-6,160	617,970	32,030	0	292	9,490	Total or average
1910									
124,900	19,030	50,310	+ 680	8,640	0	0	273	13,710	Jan.
130,000	17,190	41,960	+ 420	0	0	0	271	12,600	Feb.
123,870	19,030	53,490	+ 430	68,780	0	0	273	14,600	Mar.
130,000	18,410	45,420	- 370	63,120	0	0	280	13,030	April
195,680	19,030	43,250	-1,070	100,960	18,370	0	320	13,840	May
209,000	18,410	33,660	-1,460	14,330	0	0	318	11,110	June
200,640	19,030	10,600	-1,930	0	0	0	310	3,280	July
179,680	19,030	3,960	-1,550	0	0	0	298	1,180	Aug.
159,100	18,410	4,420	- 990	0	0	0	286	1,310	Sept.
139,700	19,030	3,000	- 390	0	0	0	274	820	Oct.
123,860	18,410	0	+ 120	0	0	0	...	0	Nov.
115,670	19,030	0	+ 370	0	0	0	...	0	Dec.
	224,040	290,070	-5,740	255,830	18,370	0	290	7,090	Total or average
1911									
118,910	19,030	27,530	+ 470	47,150	0	0	270	7,470	Jan.
173,670	17,190	48,110	+ 420	121,790	0	0	281	14,960	Feb.
130,000	19,030	54,840	+ 430	130,560	0	0	273	15,000	Mar.
130,000	18,410	41,070	- 370	126,840	0	0	280	11,740	April
199,310	19,030	43,940	-1,070	149,710	38,560	0	320	14,090	May
209,000	18,410	45,450	-1,460	265,680	0	0	319	15,000	June
209,000	19,030	39,050	-1,930	22,400	26,220	0	324	12,620	July
217,370	19,030	26,500	-1,720	0	0	0	315	8,360	Aug.
186,620	18,410	11,500	-1,110	0	0	0	302	3,580	Sept.
164,880	19,030	4,000	- 410	0	0	0	290	1,170	Oct.
150,230	18,410	3,490	+ 140	12,900	0	0	278	1,000	Nov.
127,470	19,030	2,000	+ 400	0	0	0	266	540	Dec.
	224,040	347,480	-6,210	877,030	64,780	0	295	8,750	Total or average
1912									
115,200	19,030	2,920	+ 490	0	0	0	260	750	Jan.
107,740	17,800	8,000	+ 300	0	0	0	251	2,140	Feb.
93,040	19,030	24,000	+ 290	0	0	0	234	5,630	Mar.
71,300	18,410	32,670	- 230	0	0	0	212	7,170	April
50,790	19,030	31,000	- 600	0	0	0	232	7,190	May
140,160	18,410	32,740	-1,250	8,580	0	0	312	10,600	June
204,180	19,030	9,900	-1,930	0	0	0	312	3,080	July
183,220	19,030	5,580	-1,550	0	0	0	300	1,680	Aug.
162,640	18,410	6,600	- 990	0	0	0	288	1,960	Sept.
143,240	19,030	3,000	- 390	0	0	0	276	830	Oct.
126,080	18,410	1,810	+ 120	8,900	0	0	275	510	Nov.
128,180	19,030	11,000	+ 400	0	0	0	265	2,920	Dec.
	224,650	169,220	-5,340	17,480	0	0	267	3,700	Total or average

TABLE 7a (Continued). PARDEE

COMPARISON OF WATER AND POWER YIELD

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Flood control by reservoir operating diagram								
		Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.								
Year and month	Run-off at Clements in acre-feet	Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1913										
Jan.	22,600	132,760	19,030	2,500	+ 490	0	0	0	274	690
Feb.	19,800	134,320	17,190	18,500	+ 300	0	0	0	271	5,540
Mar.	21,600	118,730	19,030	34,770	+ 310	0	0	0	252	8,760
April	83,900	86,840	18,410	35,000	— 260	0	0	0	247	8,930
May	148,000	117,070	19,030	32,060	— 830	0	0	0	292	9,370
June	55,300	213,150	18,410	32,210	— 1,460	0	3,280	0	324	10,790
July	10,500	213,090	19,030	10,500	— 1,930	0	0	0	316	3,320
Aug.	8,360	192,130	19,030	8,360	— 1,550	0	0	0	305	2,650
Sept.	6,370	171,550	18,410	6,370	— 990	0	0	0	293	1,930
Oct.	7,130	152,150	19,030	3,000	— 390	0	0	0	282	850
Nov.	8,090	136,860	18,410	0	+ 130	0	0	0	...	0
Dec.	14,300	126,670	19,030	0	+ 360	0	0	0	...	0
Total or average	405,950		224,040	183,270	— 5,820	0	3,280	0	286	4,370
1914										
Jan.	169,000	122,300	19,030	39,510	+ 450	95,510	0	0	283	11,160
Feb.	102,000	137,700	17,190	42,430	+ 420	48,850	0	0	275	12,920
Mar.	105,000	131,650	19,030	45,680	+ 430	6,190	0	0	283	12,840
April	144,000	166,180	18,410	39,980	— 370	17,370	12,050	0	314	13,060
May	261,000	222,000	19,030	46,430	— 1,070	152,780	53,790	0	323	15,000
June	198,000	209,900	18,410	45,270	— 1,460	126,510	0	0	320	15,000
July	50,200	216,250	19,030	30,790	— 1,930	1,900	890	0	324	10,130
Aug.	10,200	211,910	19,030	20,200	— 1,720	0	0	0	313	6,330
Sept.	7,800	181,160	18,410	10,800	— 1,110	0	0	0	298	3,330
Oct.	8,120	158,640	19,030	7,000	— 410	0	0	0	286	2,000
Nov.	7,970	140,320	18,410	0	+ 140	0	0	0	...	0
Dec.	12,600	130,020	19,030	0	+ 390	0	0	0	...	0
Total or average	1,075,890		224,040	328,090	— 6,240	449,110	66,730	0	302	8,450
1915										
Jan.	19,600	123,980	19,030	1,500	+ 490	0	0	0	269	400
Feb.	75,000	123,540	17,190	22,210	+ 300	17,270	0	0	278	6,860
Mar.	61,400	142,170	19,030	18,950	+ 390	1,190	0	0	286	5,480
April	133,000	164,790	18,410	44,630	— 370	12,380	0	0	310	14,310
May	218,000	222,000	19,030	46,410	— 1,070	142,010	20,690	0	323	15,000
June	231,000	210,790	18,410	45,230	— 1,460	159,450	0	0	321	15,000
July	44,000	217,240	19,030	28,130	— 1,930	1,270	340	0	323	9,130
Aug.	5,710	210,540	19,030	9,710	— 1,630	0	0	0	314	3,050
Sept.	6,370	185,880	18,410	9,370	— 1,050	0	0	0	300	2,920
Oct.	6,830	163,420	19,030	4,000	— 400	0	0	0	289	1,160
Nov.	8,690	146,820	18,410	0	+ 130	0	0	0	...	0
Dec.	19,800	137,230	19,030	0	+ 390	0	0	0	...	0
Total or average	829,400		224,040	230,140	— 6,210	333,570	21,030	0	302	6,080
1916										
Jan.	79,300	138,390	19,030	30,450	+ 490	34,170	0	0	280	8,510
Feb.	97,800	134,530	17,800	49,270	+ 400	30,730	0	0	275	14,470
Mar.	175,000	134,930	19,030	52,940	+ 430	72,920	0	0	283	14,990
April	195,000	165,470	18,410	44,740	— 370	21,790	53,160	0	314	14,510
May	205,000	222,000	19,030	46,420	— 1,070	77,790	72,090	0	323	15,000
June	181,000	210,600	18,410	45,170	— 1,460	109,520	0	0	321	14,970
July	46,900	217,040	19,030	30,370	— 1,930	0	860	0	324	9,850
Aug.	10,500	211,750	19,030	19,500	— 1,720	0	0	0	313	6,100
Sept.	6,720	182,000	18,410	9,720	— 1,110	0	0	0	299	3,000
Oct.	12,700	159,480	19,030	6,000	— 410	0	0	0	288	1,730
Nov.	11,800	146,740	18,410	4,000	+ 140	0	0	0	280	1,170
Dec.	27,600	136,270	19,030	1,000	+ 400	0	0	0	282	280
Total or average	1,049,320		224,650	339,580	— 6,210	346,920	126,110	0	298	8,690

RESERVOIR ON MOKELUMNE RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 7, page 126.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Flood control, holding maximum reservoir space required (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season

Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Lead factor=1.00)	Year and month
1913									
109,050	19,030	2,500	+ 490	0	0	0	257	650	Jan.
110,610	17,190	18,500	+ 300	0	0	0	252	5,180	Feb.
95,020	19,030	34,770	+ 310	0	0	0	230	8,010	Mar.
63,130	18,410	33,320	- 260	0	0	0	225	7,750	April
95,040	19,030	31,000	- 830	0	0	0	278	8,600	May
192,180	18,410	27,540	-1,460	0	0	0	317	9,040	June
200,070	19,030	10,500	-1,930	0	0	0	310	3,250	July
179,110	19,030	8,360	-1,550	0	0	0	298	2,490	Aug.
158,530	18,410	6,370	- 990	0	0	0	285	1,880	Sept.
139,130	19,030	3,000	- 390	0	0	0	274	820	Oct.
123,840	18,410	0	+ 130	0	0	0	...	0	Nov.
113,650	19,030	0	+ 360	0	0	0	...	0	Dec.
	224,040	175,860	-5,820	0	0	0	273	3,950	Total or average
1914									
109,230	19,030	43,920	+ 450	85,780	0	0	273	12,030	Jan.
130,000	17,190	45,280	+ 420	39,950	0	0	273	13,660	Feb.
130,000	19,030	54,910	+ 430	31,490	0	0	273	15,000	Mar.
130,000	18,410	40,340	- 370	60,080	0	0	276	11,440	April
154,800	19,030	41,000	-1,070	145,700	0	0	313	12,930	May
209,000	18,410	45,460	-1,460	132,670	0	0	319	15,000	June
209,000	19,030	28,500	-1,930	5,910	0	0	320	9,150	July
203,830	19,030	12,120	-1,720	0	0	0	311	3,760	Aug.
181,160	18,410	10,800	-1,110	0	0	0	298	3,330	Sept.
158,640	19,030	7,000	- 410	0	0	0	286	2,000	Oct.
140,320	18,410	1,760	+ 140	3,360	0	0	275	500	Nov.
124,900	19,030	0	+ 390	0	0	0	...	0	Dec.
	224,040	331,090	-6,240	504,940	0	0	294	8,200	Total or average
1915									
118,860	19,030	1,500	+ 490	0	0	0	265	400	Jan.
118,420	17,190	35,890	+ 300	10,640	0	0	273	10,890	Feb.
130,000	19,030	46,120	+ 390	0	0	0	268	12,370	Mar.
126,640	18,410	41,390	- 370	32,520	0	0	277	11,780	April
166,950	19,030	40,800	-1,070	115,050	0	0	312	12,810	May
209,000	18,410	45,460	-1,460	165,670	0	0	319	15,000	June
209,000	19,030	25,810	-1,930	4,020	0	0	320	8,280	July
202,210	19,030	5,710	-1,630	0	0	0	310	1,770	Aug.
181,550	18,410	6,370	-1,050	0	0	0	300	1,970	Sept.
162,090	19,030	3,000	- 400	0	0	0	289	860	Oct.
146,490	18,410	1,750	+ 130	8,870	0	0	276	500	Nov.
126,280	19,030	0	+ 390	0	0	0	...	0	Dec.
	224,040	253,800	-6,210	336,770	0	0	293	6,340	Total or average
1916									
127,440	19,030	36,210	+ 490	21,990	0	0	273	9,890	Jan.
130,000	17,809	50,520	+ 400	29,880	0	0	273	14,740	Feb.
130,000	19,030	54,850	+ 430	101,550	0	0	273	15,000	Mar.
130,000	18,410	41,100	- 370	70,650	0	0	279	11,720	April
194,470	19,030	44,720	-1,070	83,920	41,730	0	320	14,330	May
209,000	18,410	45,460	-1,460	115,670	0	0	319	15,000	June
209,000	19,030	28,250	-1,930	1,690	0	0	320	9,090	July
205,000	19,030	12,750	-1,720	0	0	0	312	3,880	Aug.
182,000	18,410	9,720	-1,110	0	0	0	299	3,000	Sept.
159,480	19,030	6,000	- 410	0	0	0	288	1,730	Oct.
146,740	18,410	5,620	+ 140	8,880	0	0	277	1,710	Nov.
125,770	19,030	5,550	+ 400	0	0	0	272	1,510	Dec.
	224,650	340,750	-6,210	434,230	41,730	0	292	8,450	Total or average

TABLE 7a (Continued). PARDEE
COMPARISON OF WATER AND POWER YIELD
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Flood control by reservoir operating diagram								
		Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.								
		Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1917										
Jan.	20,000	144,240	19,030	19,500	+ 530	0	0	0	276	5,390
Feb.	69,400	126,240	17,190	17,750	+ 330	13,790	0	0	270	5,360
Mar.	59,500	147,240	19,030	28,180	+ 430	1,900	0	0	288	8,150
April	134,000	158,060	18,410	44,630	- 370	0	6,650	0	306	14,100
May	207,000	222,000	19,030	46,180	-1,070	59,840	85,440	0	325	15,000
June	264,000	217,440	18,410	44,750	-1,460	187,820	7,000	0	324	15,000
July	47,000	222,000	19,030	29,530	-1,930	0	6,000	0	324	9,580
Aug.	9,350	212,510	19,030	16,350	-1,720	0	0	0	314	5,130
Sept.	5,680	184,760	18,410	8,680	-1,110	0	0	0	301	2,690
Oct.	4,590	162,240	19,030	4,000	- 410	0	0	0	288	1,160
Nov.	5,110	143,390	18,410	0	+ 130	0	0	0	...	0
Dec.	3,230	130,220	19,030	0	+ 390	0	0	0	...	0
Total or average	828,860		224,040	259,550	-6,260	263,350	105,090	0	302	6,790
1918										
Jan.	3,170	114,810	19,030	1,500	+ 450	0	0	0	255	380
Feb.	19,400	97,900	17,190	9,760	+ 250	0	0	0	242	2,820
Mar.	106,000	90,600	19,030	15,000	+ 250	0	0	0	266	3,990
April	122,000	162,820	18,410	44,630	- 300	0	0	0	306	14,100
May	148,000	221,480	19,030	46,120	-1,070	0	81,260	0	325	15,000
June	87,500	222,000	18,410	37,660	-1,460	0	35,420	0	325	12,640
July	7,930	216,550	19,030	7,930	-1,930	0	0	0	317	2,510
Aug.	4,980	195,590	19,030	4,860	-1,550	0	0	0	307	1,490
Sept.	8,810	175,010	18,410	8,810	- 990	0	0	0	295	2,680
Oct.	13,700	155,610	19,030	3,000	- 390	0	0	0	287	860
Nov.	12,300	140,890	18,410	0	+ 130	0	0	0	...	0
Dec.	12,500	140,910	19,030	0	+ 390	0	0	0	...	0
Total or average	546,170		224,040	179,270	-6,220	0	116,680	0	293	4,680
1919										
Jan.	10,300	134,770	19,030	6,000	+ 470	0	0	0	271	1,630
Feb.	47,100	120,510	17,190	10,500	+ 280	0	0	0	272	3,150
Mar.	51,500	140,200	19,030	46,120	+ 310	0	0	0	273	12,590
April	146,000	126,860	18,410	44,630	- 280	0	0	0	291	13,400
May	247,000	209,540	19,030	46,120	-1,070	0	168,320	0	325	15,000
June	33,800	222,000	18,410	24,270	-1,460	0	3,250	0	323	8,130
July	5,560	208,410	19,030	5,560	-1,740	0	0	0	313	1,750
Aug.	4,930	187,640	19,030	4,930	-1,380	0	0	0	303	1,490
Sept.	5,180	167,230	18,410	5,180	- 990	0	0	0	291	1,560
Oct.	4,690	147,890	19,030	3,000	- 360	0	0	0	279	830
Nov.	5,270	130,190	18,410	0	+ 120	0	0	0	...	0
Dec.	11,800	117,170	19,030	0	+ 320	0	0	0	...	0
Total or average	573,130		224,040	196,310	-5,720	0	171,570	0	294	4,970
1920										
Jan.	7,810	110,260	19,030	1,500	+ 390	0	0	0	254	380
Feb.	8,230	97,930	17,800	2,500	+ 230	0	0	0	243	1,500
Mar.	43,600	86,090	19,030	19,380	+ 220	0	0	0	241	4,680
April	88,700	91,500	18,410	35,000	- 190	0	0	0	252	9,110
May	191,000	126,600	19,030	35,880	- 720	0	39,970	0	304	10,990
June	78,500	222,000	18,410	38,240	-1,460	0	24,370	0	325	12,830
July	13,800	218,020	19,030	13,800	-1,930	0	0	0	318	4,400
Aug.	5,840	197,060	19,030	5,840	-1,550	0	0	0	308	1,800
Sept.	4,840	176,480	18,410	4,840	- 990	0	0	0	296	1,490
Oct.	9,590	157,080	19,030	3,000	- 390	0	0	0	286	860
Nov.	19,900	144,250	18,410	0	+ 130	0	0	0	...	0
Dec.	34,500	145,870	19,030	0	+ 390	0	0	0	...	0
Total or average	506,310		224,650	159,980	-5,870	0	64,340	0	283	3,930

RESERVOIR ON MOKELUMNE RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 7, page 126.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Flood control, holding maximum reservoir space required (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season									
Maximum controlled flow at Clements--rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.									
Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1917									
129,190	19,030	19,500	+ 530	0	0	0	267	5,200	Jan.
111,190	17,190	20,380	+ 330	13,350	0	0	258	5,890	Feb.
130,000	19,030	46,440	+ 430	180	0	0	270	12,580	Mar.
124,280	18,410	38,110	- 370	19,860	0	0	278	10,880	April
181,450	19,030	42,770	-1,070	110,550	6,030	0	318	13,640	May
209,000	18,410	45,460	-1,460	198,670	0	0	319	15,000	June
209,000	19,030	26,260	-1,930	3,170	0	0	321	8,440	July
205,610	19,030	9,450	-1,720	0	0	0	312	2,960	Aug.
184,760	18,410	8,680	-1,110	0	0	0	301	2,690	Sept.
162,240	19,030	4,000	- 410	0	0	0	288	1,160	Oct.
143,390	18,410	1,760	+ 130	4,530	0	0	276	500	Nov.
123,930	19,030	0	+ 390	0	0	0	...	0	Dec.
Total or average									
	224,040	262,890	-6,260	350,310	6,030	0	293	6,580	
1918									
108,520	19,030	1,500	+ 450	0	0	0	250	380	Jan.
91,610	17,190	7,900	+ 250	0	0	0	238	2,080	Feb.
86,170	19,030	30,900	+ 250	12,490	0	0	258	8,240	Mar.
130,000	18,410	44,610	- 300	17,330	0	0	278	12,750	April
171,350	19,030	41,810	-1,070	48,440	0	0	317	13,290	May
209,000	18,410	38,060	-1,460	35,040	0	0	319	12,580	June
203,530	19,030	7,930	-1,930	0	0	0	310	2,460	July
182,570	19,030	4,860	-1,550	0	0	0	300	1,450	Aug.
161,990	18,410	8,810	- 990	0	0	0	288	2,610	Sept.
142,590	19,030	3,000	- 390	0	0	0	278	830	Oct.
133,870	18,410	260	+ 130	0	0	0	273	70	Nov.
127,630	19,030	0	+ 390	0	0	0	...	0	Dec.
Total or average									
	224,040	189,640	-6,220	113,300	0	0	284	4,730	
1919									
121,490	19,030	6,000	+ 470	0	0	0	262	1,570	Jan.
107,230	17,190	10,500	+ 280	0	0	0	263	3,050	Feb.
126,920	19,030	46,120	+ 310	0	0	0	264	12,180	Mar.
113,580	18,410	42,940	- 280	11,920	0	0	278	12,250	April
186,030	19,030	45,210	-1,070	119,760	38,960	0	320	14,490	May
209,000	18,410	24,430	-1,460	3,100	0	0	317	8,080	June
195,400	19,030	5,560	-1,740	0	0	0	306	1,710	July
174,630	19,030	4,930	-1,380	0	0	0	295	1,450	Aug.
154,220	18,410	5,180	- 930	0	0	0	282	1,510	Sept.
134,880	19,030	3,000	- 360	0	0	0	270	810	Oct.
117,180	18,410	0	+ 120	0	0	0	...	0	Nov.
104,160	19,030	0	+ 320	0	0	0	...	0	Dec.
Total or average									
	224,040	193,870	-5,720	134,780	38,960	0	286	4,760	
1920									
97,250	19,030	1,500	+ 390	0	0	0	242	360	Jan.
84,920	17,800	2,500	+ 230	0	0	0	232	620	Feb.
73,080	19,030	19,380	+ 220	0	0	0	224	4,440	Mar.
78,490	18,410	33,160	- 190	0	0	0	241	8,250	April
115,430	19,030	36,580	- 720	41,100	0	0	296	10,980	May
209,000	18,410	38,650	-1,460	23,650	0	0	319	12,760	June
205,330	19,030	13,800	-1,930	0	0	0	312	4,300	July
184,370	19,030	5,840	-1,550	0	0	0	300	1,700	Aug.
163,790	18,410	4,840	- 960	0	0	0	289	1,440	Sept.
144,390	19,030	3,000	- 390	0	0	0	278	830	Oct.
131,560	18,410	3,180	+ 130	0	0	0	273	920	Nov.
130,000	19,030	14,990	+ 390	870	0	0	273	4,090	Dec.
Total or average									
	224,650	177,420	-5,870	65,620	0	0	274	4,230	

TABLE 7a (Continued). PARDEE
COMPARISON OF WATER AND POWER YIELD
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Stage of reservoir at beginning of month in acre-feet	Flood control by reservoir operating diagram							
			Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.							
			Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1921										
Jan.	78,700	161,730	19,030	46,650	+ 530	40,060	0	0	283	13,200
Feb.	61,100	135,220	17,190	38,130	+ 420	4,710	0	0	275	11,620
Mar.	108,000	136,710	19,030	39,360	+ 430	15,090	0	0	287	10,970
April	123,000	171,660	18,410	32,610	— 370	21,270	0	0	314	10,400
May	218,000	222,000	19,030	46,320	— 1,070	105,650	55,850	0	324	15,000
June	178,000	212,080	18,410	44,630	— 1,460	106,950	0	0	322	14,850
July	20,400	218,630	19,030	16,740	— 1,930	0	0	0	320	5,420
Aug.	7,750	201,330	19,030	7,750	— 1,550	0	0	0	310	2,410
Sept.	5,710	180,750	18,410	5,710	— 990	0	0	0	299	1,760
Oct.	7,190	161,350	19,030	3,000	— 390	0	0	0	288	860
Nov.	4,530	146,120	18,410	0	+ 130	0	0	0	...	0
Dec.	10,900	132,370	19,030	0	+ 360	0	0	0	...	0
Total or average	823,280		224,040	280,900	—5,890	293,730	55,850	0	302	7,170
1922										
Jan.	19,200	124,600	19,030	1,500	+ 440	0	0	0	271	400
Feb.	58,900	123,710	17,190	8,450	+ 270	5,650	0	0	278	2,650
Mar.	56,500	151,590	19,030	32,800	+ 330	0	0	0	288	9,790
April	107,000	156,590	18,410	44,630	— 320	0	0	0	297	13,690
May	318,000	200,230	19,030	46,270	— 1,070	178,710	57,990	0	323	14,970
June	280,000	215,160	18,410	44,940	— 1,460	209,840	0	0	323	15,000
July	39,200	220,510	19,030	27,470	— 1,930	530	3,010	0	323	8,900
Aug.	10,100	207,740	19,030	15,100	— 1,630	0	0	0	312	4,720
Sept.	7,620	182,080	18,410	10,620	— 1,050	0	0	0	299	3,280
Oct.	7,990	159,620	19,030	4,000	— 400	0	0	0	287	1,140
Nov.	10,700	144,180	18,410	0	+ 130	0	0	0	...	0
Dec.	58,800	136,600	19,030	0	+ 390	0	0	0	...	0
Total or average	974,010		224,040	235,780	—6,300	394,730	61,000	0	300	6,220
1923										
Jan.	46,200	176,760	19,030	44,710	+ 580	23,440	0	0	285	12,770
Feb.	33,300	136,360	17,190	19,260	+ 420	0	0	0	275	5,980
Mar.	43,300	133,270	19,030	46,120	+ 430	0	0	0	268	12,340
April	127,000	111,850	18,410	44,630	— 370	0	0	0	282	13,010
May	225,000	175,440	19,030	46,420	— 1,070	113,000	10,520	0	319	14,790
June	104,000	210,400	18,410	44,760	— 1,460	32,930	0	0	321	14,830
July	28,500	216,840	19,030	20,600	— 1,930	0	0	0	321	6,670
Aug.	9,100	203,780	19,030	9,100	— 1,550	0	0	0	311	2,840
Sept.	9,040	183,200	18,410	9,040	— 990	0	0	0	301	2,810
Oct.	9,410	163,800	19,030	3,000	— 390	0	0	0	291	870
Nov.	7,080	150,790	18,410	0	+ 120	0	0	0	...	0
Dec.	6,950	139,580	19,030	0	+ 350	0	0	0	...	0
Total or average	648,580		224,040	288,000	—5,860	169,370	10,520	0	297	7,250
1924										
Jan.	8,670	127,850	19,030	8,670	+ 390	0	0	0	265	2,300
Feb.	15,900	109,210	17,800	15,900	+ 210	0	0	0	250	4,250
Mar.	11,200	91,620	19,030	11,200	+ 200	0	0	0	235	2,620
April	53,100	72,790	18,410	30,000	— 140	0	0	0	224	6,940
May	60,900	77,340	19,030	31,000	— 420	0	0	0	243	7,530
June	4,210	87,790	18,410	4,210	— 640	0	0	0	231	1,000
July	1,220	68,740	19,030	1,220	— 690	0	0	0	210	260
Aug.	330	49,020	19,030	330	— 450	0	0	0	183	50
Sept.	2,980	29,540	4,480	2,980	— 270	0	0	13,930	160	490
Oct.	5,340	24,790	0	5,340	— 110	0	0	19,030	159	850
Nov.	18,200	24,680	0	18,200	+ 40	0	0	18,410	159	2,900
Dec.	24,600	24,720	9,430	10,950	+ 120	0	0	9,600	159	1,750
Total or average	206,650		163,680	140,000	—1,760	0	0	60,970	206	2,570

RESERVOIR ON MOKELUMNE RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 7, page 126.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Flood control, holding maximum reservoir space required (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season									
Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.									
Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1921									
130,000	19,030	38,820	+ 530	21,380	0	0	272	10,650	Jan.
130,000	17,190	43,470	+ 420	860	0	0	272	13,100	Feb.
130,000	19,030	54,910	+ 430	34,490	0	0	273	15,000	Mar.
130,000	18,410	43,140	- 370	18,340	0	0	277	12,280	April
172,740	19,030	41,820	-1,070	119,820	0	0	316	13,270	May
209,000	18,410	45,460	-1,460	112,670	0	0	319	15,000	June
209,000	19,030	17,630	-1,930	250	0	0	315	5,560	July
190,560	19,030	7,750	-1,550	0	0	0	304	2,350	Aug.
169,980	18,410	5,710	- 990	0	0	0	292	1,720	Sept.
150,580	19,030	3,000	- 390	0	0	0	282	850	Oct.
135,350	18,410	0	+ 130	0	0	0	...	0	Nov.
121,600	19,030	0	+ 360	0	0	0	...	0	Dec.
	234,040	301,710	-5,890	307,810	0	0	292	7,440	Total or average
1922									
113,830	19,030	1,500	+ 440	0	0	0	263	400	Jan.
112,940	17,190	15,940	+ 270	8,980	0	0	268	4,790	Feb.
130,000	19,030	46,120	+ 330	0	0	0	266	12,230	Mar.
121,680	18,410	36,930	- 320	0	0	0	276	10,470	April
173,020	19,030	43,220	-1,070	192,240	25,820	0	318	13,800	May
209,640	18,410	45,450	-1,460	215,320	0	0	319	15,000	June
209,000	19,030	25,300	-1,930	2,870	0	0	319	8,080	July
199,070	19,030	10,100	-1,630	0	0	0	308	3,120	Aug.
178,410	18,410	7,620	-1,050	0	0	0	298	2,350	Sept.
158,950	19,030	3,330	- 400	0	0	0	286	950	Oct.
144,180	18,410	2,210	+ 130	8,860	0	0	275	630	Nov.
125,530	19,030	18,980	+ 390	16,710	0	0	273	5,160	Dec.
	224,040	256,700	-6,300	444,980	25,820	0	291	6,420	Total or average
1923									
130,000	19,030	46,120	+ 580	0	0	0	264	12,200	Jan.
111,630	17,190	41,650	+ 420	0	0	0	250	11,500	Feb.
86,510	19,030	46,120	+ 430	0	0	0	228	10,540	Mar.
65,090	18,410	34,500	- 370	0	0	0	248	8,610	April
138,810	19,030	40,790	-1,070	93,920	0	0	310	12,740	May
209,000	18,410	45,460	-1,460	38,670	0	0	319	15,000	June
209,000	19,030	22,210	-1,930	630	0	0	316	7,070	July
193,700	19,030	9,100	-1,550	0	0	0	306	2,780	Aug.
173,120	18,410	9,040	- 990	0	0	0	294	2,750	Sept.
153,720	19,030	3,000	- 390	0	0	0	284	850	Oct.
140,710	18,410	1,760	+ 120	2,820	0	0	274	500	Nov.
124,920	19,030	0	+ 350	0	0	0	...	0	Dec.
	224,040	299,750	-5,860	136,040	0	0	282	7,010	Total or average
1924									
113,190	19,030	8,670	+ 390	0	0	0	254	2,200	Jan.
94,550	17,800	15,900	+ 210	0	0	0	238	4,050	Feb.
76,960	19,030	11,200	+ 200	0	0	0	220	2,460	Mar.
58,130	18,410	30,000	- 140	0	0	0	207	6,400	April
62,680	19,030	31,000	- 420	0	0	0	229	7,030	May
73,130	18,410	4,210	- 640	0	0	0	216	940	June
54,080	19,030	1,220	- 690	0	0	0	190	230	July
34,360	9,150	330	- 450	0	0	9,880	159	30	Aug.
24,760	0	2,980	- 270	0	0	18,410	158	490	Sept.
24,490	0	5,340	- 110	0	0	19,030	158	850	Oct.
24,380	0	18,200	+ 40	0	0	18,410	158	2,970	Nov.
24,420	9,130	10,950	+ 120	0	0	9,900	159	1,850	Dec.
	149,020	140,000	-1,760	0	0	75,630	198	2,450	Total or average

TABLE 7a (Concluded). PARDEE
COMPARISON OF WATER AND POWER YIELD
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 345 feet.

Capacity of reservoir 222,000 acre-feet.

Year and month	Run-off at Clements in acre-feet	Flood control by reservoir operating diagram								
		Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.								
		Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor = 1.00)
1925										
Jan.	22,500	29,060	19,030	1,500	+ 160	0	0	0	172	260
Feb.	107,000	31,190	17,190	2,500	+ 100	0	0	0	231	640
Mar.	81,800	118,600	19,030	13,500	+ 260	0	0	0	280	3,780
April	164,000	108,130	18,410	44,680	— 290	19,410	27,340	0	315	14,530
May	237,000	222,000	19,030	46,380	—1,070	108,600	72,430	0	323	15,000
June	124,000	211,490	18,410	43,870	—1,460	54,840	0	0	321	14,540
July	21,000	216,910	19,030	16,310	—1,330	0	0	0	320	5,230
Aug.	10,200	200,640	19,030	10,200	—1,490	0	0	0	310	3,160
Sept.	7,910	181,120	18,410	7,910	— 990	0	0	0	298	2,440
Oct.	5,560	160,720	19,030	3,000	— 390	0	0	0	288	860
Nov.	7,620	143,860	18,410	0	+ 130	0	0	0	...	0
Dec.	14,400	133,200	19,030	0	+ 360	0	0	0	...	0
Total or average	802,990		224,040	189,850	—6,610	182,850	99,770	0	286	5,040
Total for 21-year period, 1905-1926	17,355,000		4,846,920	5,358,630	122,650	5,145,700	2,098,030	60,970		
Average for 21-year period, 1905-1926	826,430		221,280	255,170	5,840	245,030	99,910	2,900	292	6,510

RESERVOIR ON MOKELUMNE RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

tions Carried out on a Daily Basis.

mary, see Table 7, page 126.)

Yield in municipal supply 200 million gallons daily.

Installed capacity of power plant 15,000 k.w.

Flood control, holding maximum reservoir space required (rain-water floods, 92,000 ac.-ft.: snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.									
Stage of reservoir at beginning of month in acre-feet	Municipal draft in acre-feet	Power draft through turbines including water passed for prior rights in acre-feet	Evaporation in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in municipal supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
29,060	19,030	1,500	+ 160	0	0	0	172	260	1925 Jan.
31,190	17,190	2,500	+ 100	0	0	0	231	640	Feb.
118,600	19,030	41,070	+ 260	10,560	0	0	272	11,290	Mar.
130,000	18,410	42,570	— 290	65,210	0	0	278	12,140	April
167,520	19,030	43,750	—1,070	113,390	18,280	0	318	13,970	May
209,000	18,410	45,210	—1,460	58,920	0	0	319	14,920	June
209,000	19,030	16,620	—1,930	0	0	0	316	5,240	July
192,420	19,030	10,200	—1,490	0	0	0	306	3,120	Aug.
171,900	18,410	7,910	— 990	0	0	0	294	2,400	Sept.
152,500	19,030	3,000	— 390	0	0	0	282	850	Oct.
135,640	18,410	0	+ 130	0	0	0	...	0	Nov.
124,980	19,030	0	+ 360	0	0	0	...	0	Dec.
	224,040	214,330	—6,610	248,080	18,280	0	279	5,420	Total or average
	4,632,260	5,548,880	122,650	6,496,310	535,750	75,630			Total for 21-year period, 1905-1926
	220,580	264,230	5,840	309,350	25,510	3,600	283	6,450	Average for 21-year period, 1905-1926

TABLE 8a. PARDEE RESERVOIR ON MOKELUMNE RIVER.
SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 6a and 7a.

(For corresponding yearly summary, see Table 8, page 128.)

Height of dam 345 feet. Yield in municipal supply 200 million gallons daily.
Capacity of reservoir 222,000 ac.-ft. Installed capacity of power plant 15,000 k.w.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.			Flood control, holding maximum reservoir space (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.		
	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)
1905									
Jan.	19,030	0	2,960	19,030	0	2,960	19,030	0	2,630
Feb.	17,190	0	7,100	17,190	0	7,100	17,190	0	6,320
Mar.	19,030	0	13,370	19,030	0	13,370	19,030	0	12,020
April	18,410	0	14,380	18,410	0	14,380	18,410	0	12,810
May	19,030	0	15,000	19,030	0	15,000	19,030	0	11,870
June	18,410	0	13,700	18,410	0	13,540	18,410	0	13,720
July	19,030	0	3,680	19,030	0	3,680	19,030	0	3,620
Aug.	19,030	0	2,430	19,030	0	2,420	19,030	0	2,370
Sept.	18,410	0	2,540	18,410	0	2,530	18,410	0	2,470
Oct.	19,030	0	860	19,030	0	860	19,030	0	830
Nov.	18,410	0	0	18,410	0	0	18,410	0	0
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	6,320	224,040	0	6,300	224,040	0	5,700
1906									
Jan.	19,030	0	0	19,030	0	0	19,030	0	2,770
Feb.	17,190	0	13,050	17,190	0	13,020	17,190	0	12,160
Mar.	19,030	0	13,680	19,030	0	12,880	19,030	0	13,700
April	18,410	0	15,000	18,410	0	14,220	18,410	0	11,720
May	19,030	0	15,000	19,030	0	15,000	19,030	0	13,370
June	18,410	0	15,000	18,410	0	15,000	18,410	0	15,000
July	19,030	0	14,500	19,030	0	14,500	19,030	0	14,310
Aug.	19,030	0	10,130	19,030	0	10,130	19,030	0	10,130
Sept.	18,410	0	3,650	18,410	0	3,650	18,410	0	3,650
Oct.	19,030	0	1,920	19,030	0	1,920	19,030	0	1,920
Nov.	18,410	0	900	18,410	0	900	18,410	0	2,250
Dec.	19,030	0	1,470	19,030	0	3,370	19,030	0	5,390
Total or average	224,040	0	8,650	224,040	0	8,680	224,040	0	8,850
1907									
Jan.	19,030	0	14,010	19,030	0	14,050	19,030	0	12,820
Feb.	17,190	0	14,930	17,190	0	15,000	17,190	0	15,000
Mar.	19,030	0	15,000	19,030	0	14,950	19,030	0	15,000
April	18,410	0	15,000	18,410	0	15,000	18,410	0	11,780
May	19,030	0	15,000	19,030	0	15,000	19,030	0	15,000
June	18,410	0	15,000	18,410	0	15,000	18,410	0	15,000
July	19,030	0	15,000	19,030	0	15,000	19,030	0	14,810
Aug.	19,030	0	10,130	19,030	0	10,130	19,030	0	10,130
Sept.	18,410	0	9,810	18,410	0	9,810	18,410	0	9,810
Oct.	19,030	0	2,840	19,030	0	2,840	19,030	0	2,840
Nov.	18,410	0	2,710	18,410	0	2,710	18,410	0	3,900
Dec.	19,030	0	860	19,030	0	860	19,030	0	810
Total or average	224,040	0	10,820	224,040	0	10,820	224,040	0	10,560

TABLE 8a (Continued). PARDEE RESERVOIR ON MOKELUMNE RIVER.
SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 6a and 7a.

(For corresponding yearly summary, see Table 8, page 128.)

Height of dam 345 feet. Yield in municipal supply 200 million gallons daily.
Capacity of reservoir 222,000 ac.-ft. Installed capacity of power plant 15,000 k.w

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.			Flood control, holding maximum reservoir space (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.		
	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)
1908									
Jan.	19,030	0	3,580	19,030	0	3,580	19,030	0	3,350
Feb.	17,800	0	8,510	17,800	0	8,510	17,800	0	7,960
Mar.	19,030	0	10,090	19,030	0	10,090	19,030	0	8,410
April	18,410	0	12,780	18,410	0	12,780	18,410	0	10,670
May	19,030	0	14,300	19,030	0	14,300	19,030	0	9,560
June	18,410	0	13,500	18,410	0	13,500	18,410	0	13,420
July	19,030	0	4,500	19,030	0	4,500	19,030	0	4,410
Aug.	19,030	0	1,980	19,030	0	1,980	19,030	0	1,940
Sept.	18,410	0	2,470	18,410	0	2,470	18,410	0	2,400
Oct.	19,030	0	860	19,030	0	860	19,030	0	830
Nov.	18,410	0	0	18,410	0	0	18,410	0	0
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,650	0	6,020	224,650	0	6,020	224,650	0	5,220
1909									
Jan.	19,030	0	5,590	19,030	0	6,530	19,030	0	8,880
Feb.	17,190	0	15,000	17,190	0	15,000	17,190	0	15,000
Mar.	19,030	0	15,000	19,030	0	11,770	19,030	0	15,000
April	18,410	0	15,000	18,410	0	11,750	18,410	0	12,060
May	19,030	0	15,000	19,030	0	15,000	19,030	0	14,150
June	18,410	0	15,000	18,410	0	15,000	18,410	0	15,000
July	19,030	0	10,080	19,030	0	9,770	19,030	0	9,050
Aug.	19,030	0	5,350	19,030	0	5,350	19,030	0	2,550
Sept.	18,410	0	2,350	18,410	0	2,350	18,410	0	2,350
Oct.	19,030	0	1,140	19,030	0	1,140	19,030	0	1,140
Nov.	18,410	0	0	18,410	0	0	18,410	0	5,490
Dec.	19,030	0	14,660	19,030	0	14,800	19,030	0	13,660
Total or average	224,040	0	9,480	224,040	0	9,010	224,040	0	9,490
1910									
Jan.	19,030	0	14,920	19,030	0	13,170	19,030	0	13,710
Feb.	17,190	0	14,930	17,190	0	9,850	17,190	0	12,600
Mar.	19,030	0	14,970	19,030	0	13,640	19,030	0	14,600
April	18,410	0	15,000	18,410	0	13,860	18,410	0	13,030
May	19,030	0	15,000	19,030	0	15,000	19,030	0	13,840
June	18,410	0	11,140	18,410	0	10,920	18,410	0	11,110
July	19,030	0	3,360	19,030	0	3,290	19,030	0	3,280
Aug.	19,030	0	1,210	19,030	0	1,180	19,030	0	1,180
Sept.	18,410	0	1,350	18,410	0	1,310	18,410	0	1,310
Oct.	19,030	0	850	19,030	0	820	19,030	0	820
Nov.	18,410	0	0	18,410	0	0	18,410	0	0
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	7,670	224,040	0	6,900	224,040	0	7,090

TABLE 8a (Continued). PARDEE RESERVOIR ON MOKELUMNE RIVER.
SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 6a and 7a.

(For corresponding yearly summary, see Table 8, page 128.)

Height of dam 345 feet. Yield in municipal supply 200 million gallons daily.
Capacity of reservoir 222,000 ac.-ft. Installed capacity of power plant 15,000 k.w.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.			Flood control, holding maximum reservoir space (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.		
	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)
1911									
Jan.	19,030	0	2,430	19,030	0	5,090	19,030	0	7,470
Feb.	17,190	0	15,000	17,190	0	14,910	17,190	0	14,960
Mar.	19,030	0	15,000	19,030	0	15,000	19,030	0	15,000
April	18,410	0	15,000	18,410	0	15,000	18,410	0	11,740
May	19,030	0	15,000	19,030	0	15,000	19,030	0	14,090
June	18,410	0	15,000	18,410	0	15,000	18,410	0	15,000
July	19,030	0	13,130	19,030	0	13,130	19,030	0	12,620
Aug.	19,030	0	8,360	19,030	0	8,360	19,030	0	8,360
Sept.	18,410	0	3,580	18,410	0	3,580	18,410	0	3,580
Oct.	19,030	0	1,170	19,030	0	1,170	19,030	0	1,170
Nov.	18,410	0	0	18,410	0	0	18,410	0	1,000
Dec.	19,030	0	550	19,030	0	550	19,030	0	540
Total or average	224,040	0	8,630	224,040	0	8,850	224,040	0	8,750
1912									
Jan.	19,030	0	790	19,030	0	790	19,030	0	750
Feb.	17,800	0	2,260	17,800	0	2,260	17,800	0	2,140
Mar.	19,030	0	5,980	19,030	0	5,980	19,030	0	5,630
April	18,410	0	8,040	18,410	0	8,040	18,410	0	7,170
May	19,030	0	7,650	19,030	0	7,650	19,030	0	7,190
June	18,410	0	10,920	18,410	0	10,920	18,410	0	10,600
July	19,030	0	3,150	19,030	0	3,150	19,030	0	3,080
Aug.	19,030	0	1,720	19,030	0	1,720	19,030	0	1,680
Sept.	18,410	0	2,010	18,410	0	2,010	18,410	0	1,960
Oct.	19,030	0	860	19,030	0	860	19,030	0	830
Nov.	18,410	0	0	18,410	0	0	18,410	0	510
Dec.	19,030	0	3,090	19,030	0	3,090	19,030	0	2,920
Total or average	224,650	0	3,870	224,650	0	3,870	224,650	0	3,700
1913									
Jan.	19,030	0	690	19,030	0	690	19,030	0	650
Feb.	17,190	0	5,540	17,190	0	5,540	17,190	0	5,180
Mar.	19,030	0	8,760	19,030	0	8,760	19,030	0	8,010
April	18,410	0	8,930	18,410	0	8,930	18,410	0	7,750
May	19,030	0	9,370	19,030	0	9,370	19,030	0	8,600
June	18,410	0	10,790	18,410	0	10,790	18,410	0	9,040
July	19,030	0	3,320	19,030	0	3,320	19,030	0	3,250
Aug.	19,030	0	2,550	19,030	0	2,550	19,030	0	2,490
Sept.	18,410	0	1,930	18,410	0	1,930	18,410	0	1,880
Oct.	19,030	0	850	19,030	0	850	19,030	0	820
Nov.	18,410	0	0	18,410	0	0	18,410	0	0
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	4,370	224,040	0	4,370	224,040	0	3,950

TABLE 8a (Continued). PARDEE RESERVOIR ON MOKELUMNE RIVER.
SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 6a and 7a.

(For corresponding yearly summary, see Table 8, page 128.)

Height of dam 345 feet. Yield in municipal supply 200 million gallons daily.
Capacity of reservoir 222,000 ac.-ft. Installed capacity of power plant 15,000 k.w.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.			Flood control, holding maximum reservoir space (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.		
	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)
1914									
Jan.	19,030	0	3,270	19,030	0	11,160	19,030	0	12,030
Feb.	17,190	0	15,000	17,190	0	12,920	17,190	0	13,660
Mar.	19,030	0	15,000	19,030	0	12,840	19,030	0	15,000
April	18,410	0	15,000	18,410	0	13,060	18,410	0	11,440
May	19,030	0	15,000	19,030	0	15,000	19,030	0	12,930
June	18,410	0	15,000	18,410	0	15,000	18,410	0	15,000
July	19,030	0	10,160	19,030	0	10,130	19,030	0	9,150
Aug.	19,030	0	6,330	19,030	0	6,330	19,030	0	3,760
Sept.	18,410	0	3,330	18,410	0	3,330	18,410	0	3,330
Oct.	19,030	0	2,000	19,030	0	2,000	19,030	0	2,000
Nov.	18,410	0	0	18,410	0	0	18,410	0	500
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	8,280	224,040	0	8,450	224,040	0	8,200
1915									
Jan.	19,030	0	400	19,030	0	400	19,030	0	400
Feb.	17,190	0	4,270	17,190	0	6,860	17,190	0	10,890
Mar.	19,030	0	13,490	19,030	0	5,480	19,030	0	12,370
April	18,410	0	14,310	18,410	0	14,310	18,410	0	11,780
May	19,030	0	15,000	19,030	0	15,000	19,030	0	12,810
June	18,410	0	15,000	18,410	0	15,000	18,410	0	15,000
July	19,030	0	9,300	19,030	0	9,130	19,030	0	8,280
Aug.	19,030	0	3,050	19,030	0	3,050	19,030	0	1,770
Sept.	18,410	0	2,920	18,410	0	2,920	18,410	0	1,970
Oct.	19,030	0	1,160	19,030	0	1,160	19,030	0	860
Nov.	18,410	0	0	18,410	0	0	18,410	0	500
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	6,580	224,040	0	6,080	224,040	0	6,340
1916									
Jan.	19,030	0	1,900	19,030	0	8,510	19,030	0	9,890
Feb.	17,800	0	14,740	17,800	0	14,470	17,800	0	14,740
Mar.	19,030	0	15,000	19,030	0	14,990	19,030	0	15,000
April	18,410	0	15,000	18,410	0	14,510	18,410	0	11,720
May	19,030	0	15,000	19,030	0	15,000	19,030	0	14,330
June	18,410	0	15,000	18,410	0	14,970	18,410	0	15,000
July	19,030	0	10,500	19,030	0	9,850	19,030	0	9,090
Aug.	19,030	0	6,100	19,030	0	6,100	19,030	0	3,980
Sept.	18,410	0	3,000	18,410	0	3,000	18,410	0	3,000
Oct.	19,030	0	1,730	19,030	0	1,730	19,030	0	1,730
Nov.	18,410	0	1,170	18,410	0	1,170	18,410	0	1,710
Dec.	19,030	0	280	19,030	0	280	19,030	0	1,510
Total or average	224,650	0	8,240	224,650	0	8,690	224,650	0	8,450

TABLE 8a (Continued). PARDEE RESERVOIR ON MOKELUMNE RIVER.
SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 6a and 7a.

(For corresponding yearly summary, see Table 8, page 128.)

Height of dam 345 feet. Yield in municipal supply 200 million gallons daily.
Capacity of reservoir 222,000 ac.-ft. Installed capacity of power plant 15,000 k.w.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.			Flood control, holding maximum reservoir space (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.		
	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)
1917									
Jan.	19,030	0	5,390	19,030	0	5,390	19,030	0	5,200
Feb.	17,190	0	4,640	17,190	0	5,360	17,190	0	5,890
Mar.	19,030	0	13,430	19,030	0	8,150	19,030	0	12,580
April	18,410	0	14,100	18,410	0	14,100	18,410	0	10,880
May	19,030	0	15,000	19,030	0	15,000	19,030	0	13,640
June	18,410	0	15,000	18,410	0	15,000	18,410	0	15,000
July	19,030	0	9,580	19,030	0	9,580	19,030	0	8,440
Aug.	19,030	0	5,130	19,030	0	5,130	19,030	0	2,960
Sept.	18,410	0	2,690	18,410	0	2,690	18,410	0	2,690
Oct.	19,030	0	1,160	19,030	0	1,160	19,030	0	1,160
Nov.	18,410	0	0	18,410	0	0	18,410	0	500
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	7,190	224,040	0	6,790	224,040	0	6,580
1918									
Jan.	19,030	0	380	19,030	0	380	19,030	0	380
Feb.	17,190	0	2,620	17,190	0	2,620	17,190	0	2,080
Mar.	19,030	0	3,990	19,030	0	3,990	19,030	0	8,240
April	18,410	0	14,100	18,410	0	14,100	18,410	0	12,750
May	19,030	0	15,000	19,030	0	15,000	19,030	0	13,290
June	18,410	0	12,640	18,410	0	12,640	18,410	0	12,580
July	19,030	0	2,510	19,030	0	2,510	19,030	0	2,460
Aug.	19,030	0	1,490	19,030	0	1,490	19,030	0	1,450
Sept.	18,410	0	2,690	18,410	0	2,690	18,410	0	2,610
Oct.	19,030	0	860	19,030	0	860	19,030	0	830
Nov.	18,410	0	0	18,410	0	0	18,410	0	70
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	4,680	224,040	0	4,080	224,040	0	4,730
1919									
Jan.	19,030	0	1,630	19,030	0	1,630	19,030	0	1,570
Feb.	17,190	0	3,150	17,190	0	3,150	17,190	0	3,050
Mar.	19,030	0	12,590	19,030	0	12,590	19,030	0	12,180
April	18,410	0	13,400	18,410	0	13,400	18,410	0	12,250
May	19,030	0	15,000	19,030	0	15,000	19,030	0	14,490
June	18,410	0	8,130	18,410	0	8,130	18,410	0	8,080
July	19,030	0	1,750	19,030	0	1,750	19,030	0	1,710
Aug.	19,030	0	1,490	19,030	0	1,490	19,030	0	1,450
Sept.	18,410	0	1,560	18,410	0	1,560	18,410	0	1,510
Oct.	19,030	0	830	19,030	0	830	19,030	0	810
Nov.	18,410	0	0	18,410	0	0	18,410	0	0
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	4,970	224,040	0	4,970	224,040	0	4,760

TABLE 8a (Continued). PARDEE RESERVOIR ON MOKELUMNE RIVER.
SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 6a and 7a.

(For corresponding yearly summary, see Table 8, page 128.)

Height of dam 345 feet. Yield in municipal supply 200 million gallons daily.

Capacity of reservoir 222,000 ac.-ft. Installed capacity of power plant 15,000 k.w.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.			Flood control, holding maximum reservoir space (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.		
	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)
1920									
Jan.	19,030	0	380	19,030	0	380	19,030	0	360
Feb.	17,800	0	650	17,800	0	650	17,800	0	620
Mar.	19,030	0	4,680	19,030	0	4,680	19,030	0	4,440
April	18,410	0	9,110	18,410	0	9,110	18,410	0	8,250
May	19,030	0	10,990	19,030	0	10,990	19,030	0	10,980
June	18,410	0	12,830	18,410	0	12,830	18,410	0	12,760
July	19,030	0	4,400	19,030	0	4,400	19,030	0	4,300
Aug.	19,030	0	1,800	19,030	0	1,800	19,030	0	1,760
Sept.	18,410	0	1,430	18,410	0	1,430	18,410	0	1,440
Oct.	19,030	0	860	19,030	0	860	19,030	0	830
Nov.	18,410	0	0	18,410	0	0	18,410	0	920
Dec.	19,030	0	0	19,030	0	0	19,030	0	4,090
Total or average	224,650	0	3,930	224,650	0	3,930	224,650	0	4,230
1921									
Jan.	19,030	0	7,630	19,030	0	13,200	19,030	0	10,650
Feb.	17,190	0	14,420	17,190	0	11,620	17,190	0	13,100
Mar.	19,030	0	14,910	19,030	0	10,970	19,030	0	15,000
April	18,410	0	15,000	18,410	0	10,400	18,410	0	12,280
May	19,030	0	15,000	19,030	0	15,000	19,030	0	13,270
June	18,410	0	15,000	18,410	0	14,850	18,410	0	15,000
July	19,030	0	5,690	19,030	0	5,420	19,030	0	5,560
Aug.	19,030	0	2,410	19,030	0	2,410	19,030	0	2,350
Sept.	18,410	0	1,780	18,410	0	1,760	18,410	0	1,720
Oct.	19,030	0	870	19,030	0	860	19,030	0	850
Nov.	18,410	0	0	18,410	0	0	18,410	0	0
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	7,660	224,040	0	7,170	224,040	0	7,440
1922									
Jan.	19,030	0	400	19,030	0	400	19,030	0	400
Feb.	17,190	0	940	17,190	0	2,650	17,190	0	4,790
Mar.	19,030	0	13,310	19,030	0	9,790	19,030	0	12,230
April	18,410	0	13,690	18,410	0	13,690	18,410	0	10,470
May	19,030	0	14,970	19,030	0	14,970	19,030	0	13,800
June	18,410	0	15,000	18,410	0	15,000	18,410	0	15,000
July	19,030	0	8,900	19,030	0	8,900	19,030	0	8,080
Aug.	19,030	0	4,720	19,030	0	4,720	19,030	0	3,120
Sept.	18,410	0	3,280	18,410	0	3,280	18,410	0	2,350
Oct.	19,030	0	1,140	19,030	0	1,140	19,030	0	950
Nov.	18,410	0	0	18,410	0	0	18,410	0	630
Dec.	19,030	0	0	19,030	0	0	19,030	0	5,160
Total or average	224,040	0	6,390	224,040	0	6,220	224,040	0	6,420

TABLE 8a (Concluded). PARDEE RESERVOIR ON MOKELUMNE RIVER.
SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 6a and 7a.

(For corresponding yearly summary, see Table 8, page 128.)

Height of dam 345 feet. Yield in municipal supply 200 million gallons daily.
Capacity of reservoir 222,000 ac.-ft. Installed capacity of power plant 15,000 k.w.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft. Maximum reservoir space required—rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.			Flood control, holding maximum reservoir space (rain-water floods, 92,000 ac.-ft.; snow-water floods, 13,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Clements—rain-water floods, 5,300 sec.-ft.; snow-water floods, 7,100 sec.-ft.		
	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Municipal draft in acre-feet	Deficiency in municipal supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)
1923									
Jan.	19,030	0	13,560	19,030	0	12,770	19,030	0	12,200
Feb.	17,190	0	13,050	17,190	0	5,980	17,190	0	11,500
Mar.	19,030	0	12,340	19,030	0	12,340	19,030	0	10,540
April	18,410	0	13,010	18,410	0	13,010	18,410	0	8,610
May	19,030	0	14,790	19,030	0	14,790	19,030	0	12,740
June	18,410	0	15,000	18,410	0	14,830	18,410	0	15,000
July	19,030	0	7,330	19,030	0	6,670	19,030	0	7,070
Aug.	19,030	0	2,850	19,030	0	2,840	19,030	0	2,780
Sept.	18,410	0	2,820	18,410	0	2,810	18,410	0	2,750
Oct.	19,030	0	870	19,030	0	870	19,030	0	850
Nov.	18,410	0	0	18,410	0	0	18,410	0	500
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	7,930	224,040	0	7,250	224,040	0	7,010
1924									
Jan.	19,030	0	2,310	19,030	0	2,300	19,030	0	2,200
Feb.	17,800	0	4,300	17,800	0	4,250	17,800	0	4,050
Mar.	19,030	0	2,650	19,030	0	2,620	19,030	0	2,460
April	18,410	0	6,970	18,410	0	6,940	18,410	0	6,400
May	19,030	0	7,580	19,030	0	7,530	19,030	0	7,030
June	18,410	0	1,010	18,410	0	1,000	18,410	0	940
July	19,030	0	260	19,030	0	260	19,030	0	230
Aug.	19,030	0	70	19,030	0	50	9,150	9,880	30
Sept.	6,770	11,640	500	4,480	13,930	490	0	18,410	490
Oct.	0	19,030	850	0	19,030	850	0	19,030	850
Nov.	0	18,410	2,990	0	18,410	2,990	0	18,410	2,970
Dec.	9,470	9,560	1,750	9,430	9,600	1,750	9,130	9,900	1,850
Total or average	166,010	58,640	2,590	163,680	60,970	2,570	149,020	75,630	2,450
1925									
Jan.	19,030	0	260	19,030	0	260	19,030	0	260
Feb.	17,190	0	640	17,190	0	640	17,190	0	640
Mar.	19,030	0	3,780	19,030	0	3,780	19,030	0	11,290
April	18,410	0	14,530	18,410	0	14,530	18,410	0	12,140
May	19,030	0	15,000	19,030	0	15,000	19,030	0	13,970
June	18,410	0	15,000	18,410	0	14,540	18,410	0	14,920
July	19,030	0	5,390	19,030	0	5,230	19,030	0	5,240
Aug.	19,030	0	3,190	19,030	0	3,160	19,030	0	3,120
Sept.	18,410	0	2,470	18,410	0	2,440	18,410	0	2,400
Oct.	19,030	0	870	19,030	0	860	19,030	0	850
Nov.	18,410	0	0	18,410	0	0	18,410	0	0
Dec.	19,030	0	0	19,030	0	0	19,030	0	0
Total or average	224,040	0	5,100	224,040	0	5,040	224,040	0	5,420
Total for 21-year period, 1905-1926	4,649,250	58,640		4,646,920	60,970		4,632,260	75,630	
Average for 21-year period, 1905-1926	221,390	2,790	6,640	221,280	2,900	6,510	220,580	3,600	6,450

**ASSUMPTIONS EMPLOYED IN COMPUTING WATER AND POWER YIELD
OF TEMPERANCE FLAT RESERVOIR ON SAN JOAQUIN RIVER ON
A DAILY BASIS.**

1. The water supply at the dam site is the same as that measured at the Friant gaging station of the United States Geological Survey and published or in preparation for publication, as mean daily discharges in the Water Supply Papers. No deductions were made for downstream prior rights.

2. The reservoir is full on June 1, 1907, the opening date of the estimates. The run-off index for the season 1906-1907 is 156. The reservoir fills in 1917 with a run-off index of 94.

3. The net evaporation from the reservoir surface equals 4.0 feet depth per annum, divided among the months as follows:

<i>Month</i>	<i>Depth in feet</i>	<i>Per cent of seasonal total</i>
April -----	0.37	9.2
May -----	0.50	12.6
June -----	0.60	15.0
July -----	0.71	17.8
August -----	0.66	16.6
September -----	0.51	12.7
October -----	0.39	9.6
November -----	0.26	6.5
Totals -----	4.00	100.0

4. The total seasonal draft from the reservoir for irrigation is divided among the months as follows: (The summer peak of the irrigation demand is carried by pumping from wells.)

<i>Month</i>	<i>Demand in per cent of total seasonal use</i>
January -----	0.0
February -----	2.6
March -----	6.6
April -----	14.5
May -----	14.5
June -----	14.5
July -----	14.5
August -----	14.5
September -----	13.1
October -----	5.2
November -----	0.0
December -----	0.0
Total -----	100.0

5. The seasonal irrigation yield is that which can be obtained from the reservoir during the period 1872-1925 with a deficiency, when supplemented by pumping from ground water, not oftener on the average than one year in 18.

6. Power is generated in a plant at the base of the dam with water drawn from the reservoir for irrigation and with reservoir spill. The load factor is 1.00 and the power factor 0.80.

7. Secondary power is intermittent power.

8. The overall plant efficiency increases from 75.0 per cent at full reservoir to 78.7 per cent at 0.8 depth and then decreases to 73.5 per cent at 0.5 depth.

9. The elevation of the tail race rises 18 feet when 20,000 second-feet are passing the dam, 13 feet when 10,000 second-feet are passing, 8 feet when 5000 second-feet are passing, and corresponding amounts for other flows.

TABLE 9a TEMPERANCE FLAT RESER
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computations

(For corresponding yearly sum
Seasonal irrigation yield, 1,800,000 acre-feet. (Supplemented by ground water
Height of dam 595 feet. Capacity of reservoir 1,071,000 acre-feet.

Year and month	Run-off at Friant in acre-feet	Without flood control						
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet
1908								
Jan.	53,100	797,100	0	0	0	0	0	0
Feb.	58,100	850,200	47,000	0	47,000	0	0	548
Mar.	120,000	861,300	119,000	0	119,000	0	0	543
April	199,000	862,300	261,000	1,700	261,000	0	0	530
May	219,000	798,600	261,000	2,200	261,000	0	0	522
June	176,000	754,400	261,000	2,600	261,000	0	0	507
July	119,000	666,800	261,000	2,800	261,000	0	0	478
Aug.	73,200	522,000	261,000	2,300	261,000	0	0	429
Sept.	39,000	331,900	236,000	1,300	228,100	0	0	347
Oct.	23,900	133,600	93,000	600	0	0	0	...
Nov.	16,200	63,900	0	200	0	0	0	...
Dec.	18,500	79,900	0	0	0	0	0	...
Total or average	1,115,000		1,800,000	13,700	1,699,100	0	0	488
1909								
Jan.	277,000	98,400	0	0	0	0	0	0
Feb.	183,000	375,400	47,000	0	47,000	0	0	438
Mar.	133,000	511,400	119,000	0	119,000	0	0	460
April	352,000	525,400	261,000	1,300	261,000	0	0	459
May	646,000	615,100	261,000	1,900	261,000	0	0	531
June	827,000	908,200	261,000	3,100	265,400	485,700	0	574
July	309,000	1,071,000	261,000	3,800	268,000	82,900	0	578
Aug.	78,100	1,025,300	261,000	3,500	261,000	0	0	554
Sept.	37,000	838,900	236,000	2,400	236,000	0	0	512
Oct.	25,000	637,500	93,000	1,500	93,000	0	0	482
Nov.	49,600	568,000	0	900	0	0	0	...
Dec.	220,000	616,700	0	0	0	0	0	...
Total or average	3,136,700		1,800,000	18,400	1,811,400	568,600	0	510
1910								
Jan.	188,000	836,700	0	0	0	0	0	0
Feb.	86,600	1,024,700	47,000	0	47,000	0	0	586
Mar.	188,000	1,064,300	119,000	0	181,300	0	0	584
April	375,000	1,071,000	261,000	2,000	262,400	110,600	0	580
May	475,000	1,071,000	261,000	2,700	273,300	199,000	0	579
June	237,000	1,071,000	261,000	3,200	261,600	37,700	0	578
July	99,600	1,005,500	261,000	3,700	261,000	0	0	554
Aug.	39,600	840,400	261,000	3,100	261,000	0	0	509
Sept.	51,700	615,900	236,000	1,900	236,000	0	0	456
Oct.	29,600	429,700	93,000	1,200	93,000	0	0	419
Nov.	24,000	365,100	0	700	0	0	0	...
Dec.	31,400	388,400	0	0	0	0	0	...
Total or average	1,825,500		1,800,000	18,500	1,876,600	347,300	0	538
1911								
Jan.	239,000	419,800	0	0	0	0	0	0
Feb.	207,000	658,800	47,000	0	47,000	0	0	526
Mar.	336,000	818,800	119,000	0	119,000	0	0	558
April	425,000	1,035,800	261,000	1,900	264,000	123,900	0	578
May	571,000	1,071,000	261,000	2,700	273,400	294,900	0	578
June	946,000	1,071,000	261,000	3,200	265,600	677,200	0	575
July	593,000	1,071,000	261,000	3,800	272,700	320,500	0	576
Aug.	116,000	1,067,000	261,000	3,500	261,000	0	0	569
Sept.	45,500	918,500	236,000	2,400	236,000	0	0	532
Oct.	32,300	725,600	93,000	1,600	93,000	0	0	507
Nov.	28,000	663,300	0	1,000	0	0	0	...
Dec.	23,400	690,300	0	0	0	0	0	...
Total or average	3,562,200		1,800,000	20,100	1,831,700	1,416,500	0	556

VOIR ON SAN JOAQUIN RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

Carried out on a Daily Basis.

mary, see Table 9, page 134.)

supply in years of deficiency. No deduction for downstream prior rights.)

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.									
Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
797,100	0	0	0	0	0	0	...	0	1908
850,200	47,000	0	47,000	0	0	0	548	29,200	Jan.
861,300	119,000	0	119,000	0	0	0	543	68,400	Feb.
862,300	261,000	1,700	261,000	0	0	0	530	152,400	Mar.
798,600	261,000	2,200	261,000	0	0	0	522	145,800	April
754,400	261,000	2,600	261,000	0	0	0	507	146,900	May
666,800	261,000	2,800	261,000	0	0	0	478	135,100	June
522,000	261,000	2,300	261,000	0	0	0	429	121,100	July
331,900	236,000	1,300	228,100	0	0	0	347	86,900	Aug.
133,600	93,000	600	0	0	0	0	...	0	Sept.
63,900	0	200	0	0	0	0	...	0	Oct.
79,900	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	13,700	1,699,100	0	0	0	488	73,800	Total or average
98,400	0	0	0	0	0	0	...	0	1909
375,400	47,000	0	47,000	0	0	0	438	24,700	Jan.
511,400	119,000	0	119,000	0	0	0	460	59,300	Feb.
525,400	261,000	1,300	261,000	0	0	0	459	134,200	Mar.
615,100	261,000	1,900	266,400	86,700	0	0	529	150,300	April
906,100	261,000	2,900	273,000	484,800	0	0	553	164,400	May
972,400	261,000	3,600	263,900	34,400	0	0	568	155,600	June
979,500	261,000	3,400	261,000	0	0	0	543	150,300	July
793,200	236,000	2,300	236,000	0	0	0	500	131,400	Aug.
591,900	93,000	1,500	93,000	0	0	0	468	47,200	Sept.
522,400	0	900	0	0	0	0	...	0	Oct.
571,100	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	17,800	1,820,300	605,900	0	0	503	85,100	Total or average
791,100	0	0	0	0	0	0	...	0	1910
979,100	47,000	0	87,600	900	0	0	567	57,600	Jan.
977,200	119,000	0	123,200	0	0	0	574	73,800	Feb.
1,042,000	261,000	1,900	262,200	33,800	66,500	0	576	162,600	Mar.
1,052,600	261,000	2,700	280,900	328,800	0	0	556	164,400	April
915,200	261,000	2,900	263,300	37,800	0	0	547	157,400	May
848,200	261,000	3,300	261,000	0	0	0	520	145,200	June
683,500	261,000	2,700	261,000	0	0	0	469	132,700	July
459,400	236,000	1,600	236,000	0	0	0	338	104,900	Aug.
273,500	93,000	900	93,000	0	0	0	357	35,500	Sept.
209,200	0	500	0	0	0	0	...	0	Oct.
232,700	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	16,500	1,868,200	401,300	66,500	0	506	86,200	Total or average
264,100	0	0	0	0	0	0	...	0	1911
503,100	47,000	0	47,000	0	0	0	489	27,500	Jan.
663,100	119,000	0	119,000	0	0	0	525	69,700	Feb.
880,100	261,000	1,800	261,000	0	0	0	561	158,900	Mar.
1,042,300	261,000	2,600	280,000	430,500	0	0	557	164,000	April
900,200	261,000	2,900	272,300	541,900	0	0	555	164,400	May
1,029,100	261,000	3,700	273,100	203,700	74,600	0	574	163,300	June
1,067,000	261,000	3,500	261,000	0	0	0	569	155,200	July
918,500	236,000	2,400	236,000	0	0	0	532	138,200	Aug.
725,600	93,000	1,600	93,000	0	0	0	507	50,700	Sept.
663,300	0	1,000	0	0	0	0	...	0	Oct.
690,300	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	19,500	1,842,400	1,176,100	74,600	0	542	91,000	Total or average

TABLE 9a (Continued). TEMPERANCE FLAT
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computations
(For corresponding yearly sum

Seasonal irrigation yield, 1,800,000 acre-feet. (Supplemented by ground water
Height of dam 595 feet. Capacity of reservoir 1,071,000 acre-feet.

Year and month	Run-off at Friant in acre-feet	Without flood control							Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet			
1912										
Jan.	30,100	713,700	0	0	0	0	0	...	0	0
Feb.	26,600	743,800	47,000	0	47,000	0	0	521	28,000	0
Mar.	55,200	723,400	119,000	0	119,000	0	0	505	64,700	0
April	75,000	659,600	261,000	1,500	261,000	0	0	468	136,700	0
May	255,000	472,100	261,000	1,600	261,000	0	0	431	121,800	0
June	368,000	464,500	261,000	1,900	261,000	0	0	472	137,900	0
July	95,300	569,600	261,000	2,600	261,000	0	0	445	125,800	0
Aug.	38,000	401,300	261,000	1,900	261,000	0	0	367	102,700	0
Sept.	22,400	176,400	198,100	700	39,300	0	37,900	305	12,800	0
Oct.	17,800	0	17,800	0	0	0	75,200	...	0	0
Nov.	20,300	0	0	0	0	0	0	...	0	0
Dec.	20,000	20,300	0	0	0	0	0	...	0	0
Total or average	1,023,700		1,686,900	10,200	1,510,300	0	113,100	454	60,900	
1913										
Jan.	22,100	40,300	0	0	0	0	0	...	0	0
Feb.	25,700	62,400	47,000	0	0	0	0	...	0	0
Mar.	38,200	41,100	79,300	0	0	0	39,700	...	0	0
April	95,800	0	95,800	0	0	0	165,200	...	0	0
May	247,000	0	219,200	0	0	0	41,800	...	0	0
June	170,000	27,800	197,700	100	0	0	63,300	...	0	0
July	102,000	0	102,000	0	0	0	159,000	...	0	0
Aug.	68,900	0	68,900	0	0	0	192,100	...	0	0
Sept.	40,600	0	40,600	0	0	0	195,400	...	0	0
Oct.	12,800	0	12,800	0	0	0	80,200	...	0	0
Nov.	22,300	0	0	0	0	0	0	...	0	0
Dec.	28,700	22,300	0	0	0	0	0	...	0	0
Total or average	874,100		863,300	100	0	0	936,700	0	0	
1914										
Jan.	259,000	51,000	0	0	0	0	0	...	0	0
Feb.	145,000	310,000	47,000	0	47,000	0	0	404	22,800	0
Mar.	234,000	408,000	119,000	0	119,000	0	0	439	56,600	0
April	395,000	523,000	261,000	1,300	261,000	0	0	475	138,800	0
May	577,000	655,700	261,000	2,000	261,000	0	0	520	145,300	0
June	607,000	969,700	261,000	3,000	263,700	239,000	0	578	163,800	0
July	392,000	1,071,000	261,000	3,800	269,900	122,100	0	579	162,500	0
Aug.	145,000	1,067,200	261,000	3,500	261,000	0	0	573	156,100	0
Sept.	53,900	944,700	236,000	2,500	236,000	0	0	537	139,300	0
Oct.	40,300	760,100	93,000	1,700	93,000	0	0	514	51,300	0
Nov.	30,500	705,700	0	1,100	0	0	0	...	0	0
Dec.	29,600	735,100	0	0	0	0	0	...	0	0
Total or average	2,903,300		1,800,000	18,900	1,811,600	361,100	0	514	86,600	
1915										
Jan.	38,200	764,700	0	0	0	0	0	...	0	0
Feb.	90,000	802,900	47,000	0	47,000	0	0	538	29,800	0
Mar.	124,000	845,900	119,000	0	119,000	0	0	539	68,100	0
April	246,000	850,900	261,000	1,700	261,000	0	0	533	153,100	0
May	381,000	834,200	261,000	2,300	261,000	0	0	541	149,900	0
June	586,000	951,900	261,000	3,000	263,400	200,500	0	577	163,300	0
July	287,000	1,071,000	261,000	3,800	266,900	49,900	0	579	160,800	0
Aug.	70,100	1,037,400	261,000	3,500	261,000	0	0	557	153,000	0
Sept.	44,300	843,000	236,000	2,400	236,000	0	0	514	134,600	0
Oct.	26,700	648,900	93,000	1,500	93,000	0	0	485	48,800	0
Nov.	23,400	581,100	0	1,000	0	0	0	...	0	0
Dec.	37,900	603,500	0	0	0	0	0	...	0	0
Total or average	1,954,600		1,800,000	19,200	1,808,300	250,400	0	540	88,700	

RESERVOIR ON SAN JOAQUIN RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

Carried out on a Daily Basis.

mary, see Table 9, page 134.)

supply in years of deficiency. No deduction for downstream prior rights.)

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.									
Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac. ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
713,700	0	0	0	0	0	0	...	0	1912
743,800	47,000	0	47,000	0	0	0	521	28,000	Jan.
723,400	119,000	0	119,000	0	0	0	505	64,700	Feb.
659,600	261,000	1,500	261,000	0	0	0	468	136,700	Mar.
472,100	261,000	1,600	261,000	0	0	0	431	121,800	April
461,500	261,000	1,900	261,000	0	0	0	472	137,900	May
569,600	261,000	2,600	261,000	0	0	0	445	125,800	June
401,300	261,000	1,900	261,000	0	0	0	367	102,700	July
176,400	198,100	700	39,300	0	0	37,900	305	12,800	Aug.
0	17,800	0	0	0	0	75,200	...	0	Sept.
0	0	0	0	0	0	0	...	0	Oct.
20,300	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,686,900	10,200	1,510,300	0	0	113,100	454	60,900	Total or average
40,300	0	0	0	0	0	0	...	0	1913
62,400	47,000	0	0	0	0	0	...	0	Jan.
41,100	79,300	0	0	0	0	39,700	...	0	Feb.
0	95,800	0	0	0	0	165,200	...	0	Mar.
0	219,200	0	0	0	0	41,800	...	0	April
27,800	197,700	100	0	0	0	63,300	...	0	May
0	102,000	0	0	0	0	159,000	...	0	June
0	68,900	0	0	0	0	192,100	...	0	July
0	40,600	0	0	0	0	195,400	...	0	Aug.
0	12,800	0	0	0	0	80,200	...	0	Sept.
0	0	0	0	0	0	0	...	0	Oct.
22,300	0	0	0	0	0	0	...	0	Nov.
									Dec.
	863,300	100	0	0	0	936,700	0	0	Total or average
51,000	0	0	0	0	0	0	...	0	1914
310,000	47,000	0	47,000	0	0	0	404	22,800	Jan.
408,000	119,000	0	119,000	0	0	0	439	56,600	Feb.
523,000	261,000	1,300	261,000	0	0	0	475	138,800	Mar.
655,700	261,000	2,000	264,300	66,800	0	0	519	146,800	April
899,600	261,000	2,900	275,100	264,900	0	0	547	164,400	May
963,700	261,000	3,600	265,000	26,200	0	0	574	158,600	June
1,060,900	261,000	3,500	261,000	0	0	0	573	156,100	July
938,400	236,000	2,500	236,000	0	0	0	537	139,000	Aug.
753,800	93,000	1,700	93,000	0	0	0	513	51,200	Sept.
699,400	0	1,100	0	0	0	0	...	0	Oct.
728,800	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	18,600	1,821,400	357,900	0	0	510	86,400	Total or average
758,400	0	0	0	0	0	0	...	0	1915
796,600	47,000	0	47,000	0	0	0	537	29,600	Jan.
839,600	119,000	0	119,000	0	0	0	537	67,900	Feb.
844,600	261,000	1,700	261,000	0	0	0	532	152,800	Mar.
827,900	261,000	2,300	264,100	44,300	0	0	538	151,100	April
898,200	261,000	2,900	275,200	241,300	0	0	547	164,400	May
964,800	261,000	3,500	263,300	2,100	0	0	568	156,500	June
982,800	261,000	3,400	261,000	0	0	0	545	150,700	July
788,500	236,000	2,300	236,000	0	0	0	500	131,400	Aug.
594,500	93,000	1,500	93,000	0	0	0	466	47,000	Sept.
526,700	0	900	0	0	0	0	...	0	Oct.
549,200	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	18,600	1,819,600	287,700	0	0	530	87,800	Total or average

TABLE 9a (Continued). TEMPERANCE FLAT
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computations
(For corresponding yearly sum

Seasonal irrigation yield, 1,800,000 acre-feet. (Supplemented by ground water
Height of dam 595 feet. Capacity of reservoir 1,071,000 acre-feet.

Year and month	Run-off at Friant in acre-feet	Without flood control							Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet			
1916										
Jan.	173,000	641,400	0	0	0	0	0	...	0	0
Feb.	142,000	814,400	47,000	0	47,000	0	0	545	29,000	0
Mar.	338,000	909,400	119,000	0	162,100	14,300	0	571	97,000	0
April	477,000	1,071,000	261,000	2,000	264,000	211,000	0	580	164,400	0
May	552,000	1,071,000	261,000	2,700	273,300	276,000	0	578	164,400	0
June	572,000	1,071,000	261,000	3,200	264,800	304,000	0	578	164,400	0
July	289,000	1,071,000	261,000	3,800	267,600	44,300	0	580	161,300	0
Aug.	91,000	1,044,300	261,000	3,500	261,000	0	0	561	153,800	0
Sept.	44,900	870,800	236,000	2,400	236,000	0	0	520	135,800	0
Oct.	63,900	677,300	93,000	1,600	93,000	0	0	499	50,100	0
Nov.	38,900	646,600	0	1,000	0	0	0	...	0	0
Dec.	45,300	684,500	0	0	0	0	0	...	0	0
Total or average	2,827,000		1,800,000	20,200	1,868,800	849,600	0	557	93,500	
1917										
Jan.	47,500	729,800	0	0	0	0	0	...	0	0
Feb.	129,000	777,300	47,000	0	47,000	0	0	531	29,500	0
Mar.	108,000	859,300	119,000	0	119,000	0	0	542	68,400	0
April	226,000	848,300	261,000	1,700	261,000	0	0	530	152,500	0
May	373,000	811,600	261,000	2,300	261,000	0	0	540	149,600	0
June	579,000	921,300	261,000	3,000	262,500	163,800	0	575	162,600	0
July	222,000	1,071,000	261,000	3,800	264,200	13,100	0	579	159,100	0
Aug.	72,600	1,011,900	261,000	3,400	261,000	0	0	553	152,200	0
Sept.	36,100	820,100	236,000	2,300	236,000	0	0	507	133,200	0
Oct.	25,400	617,900	93,000	1,500	93,000	0	0	477	48,000	0
Nov.	21,900	548,800	0	900	0	0	0	...	0	0
Dec.	19,600	569,800	0	0	0	0	0	...	0	0
Total or average	1,860,100		1,800,000	18,900	1,804,700	176,900	0	537	88,100	
1918										
Jan.	20,500	589,400	0	0	0	0	0	...	0	0
Feb.	36,800	609,900	47,000	0	47,000	0	0	484	27,200	0
Mar.	149,000	599,700	119,000	0	119,000	0	0	483	62,200	0
April	179,000	629,700	261,000	1,400	261,000	0	0	477	139,300	0
May	307,000	546,300	261,000	1,800	261,000	0	0	470	132,900	0
June	494,000	590,500	261,000	2,200	261,000	0	0	510	147,800	0
July	121,000	821,300	261,000	3,400	261,000	0	0	517	144,600	0
Aug.	42,800	677,900	261,000	2,700	261,000	0	0	467	132,100	0
Sept.	48,700	457,000	236,000	1,600	236,000	0	0	403	106,100	0
Oct.	103,000	268,100	93,000	900	93,000	0	0	382	38,300	0
Nov.	44,000	277,200	0	600	0	0	0	...	0	0
Dec.	50,700	320,600	0	0	0	0	0	...	0	0
Total or average	1,596,500		1,800,000	14,600	1,800,000	0	0	466	77,700	
1919										
Jan.	38,400	371,300	0	0	0	0	0	...	0	0
Feb.	68,900	409,700	47,000	0	47,000	0	0	430	24,300	0
Mar.	94,100	431,600	119,000	0	119,000	0	0	427	55,000	0
April	209,000	406,700	261,000	1,100	261,000	0	0	407	118,600	0
May	441,000	353,600	261,000	1,300	261,000	0	0	430	121,500	0
June	154,000	532,300	261,000	2,100	261,000	0	0	447	130,600	0
July	61,500	423,200	261,000	2,100	261,000	0	0	389	109,500	0
Aug.	30,400	221,600	250,300	1,700	92,600	0	19,700	320	30,800	0
Sept.	23,000	0	23,000	0	0	0	213,000	...	0	0
Oct.	22,400	0	22,400	0	0	0	70,600	...	0	0
Nov.	18,600	0	0	0	0	0	0	...	0	0
Dec.	30,100	18,600	0	0	0	0	0	...	0	0
Total or average	1,191,400		1,505,700	8,300	1,302,600	0	294,300	416	49,200	

RESERVOIR ON SAN JOAQUIN RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

Carried out on a Daily Basis.

mary, see Table 9, page 134.)

supply in years of deficiency. No deduction for downstream prior rights.)

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.									
Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
587,100	0	0	0	0	0	0	...	0	1916
760,100	47,000	0	47,000	0	0	0	532	28,400	Jan.
855,100	119,000	0	122,100	0	0	0	562	72,000	Feb.
1,071,000	261,000	2,000	254,300	0	210,700	0	579	164,400	Mar.
1,071,000	261,000	2,700	280,100	417,600	21,500	0	558	164,400	April
901,100	261,000	2,900	274,000	226,600	0	0	549	164,300	May
969,600	261,000	3,600	261,000	0	0	0	569	155,400	June
994,000	261,000	3,400	261,000	0	0	0	551	151,700	July
820,600	236,000	2,300	236,000	0	0	0	509	133,300	Aug.
627,200	93,000	1,500	93,000	0	0	0	486	48,900	Sept.
596,600	0	1,000	0	0	0	0	...	0	Oct.
634,500	0	0	0	0	0	0	...	0	Nov.
	1,800,000	19,400	1,838,500	644,200	232,200	0	544	90,300	Dec.
									Total or average
679,800	0	0	0	0	0	0	...	0	1917
727,300	47,000	0	47,000	0	0	0	519	28,900	Jan.
809,300	119,000	0	119,000	0	0	0	531	67,300	Feb.
798,300	261,000	1,700	261,000	0	0	0	518	149,700	Mar.
761,600	261,000	2,200	261,000	0	0	0	530	147,400	April
871,400	261,000	2,800	262,900	57,600	56,100	0	569	161,400	May
1,071,000	261,000	3,800	264,200	0	13,100	0	579	159,100	June
1,011,900	261,000	3,400	261,000	0	0	0	553	152,200	July
820,100	236,000	2,300	236,000	0	0	0	507	133,200	Aug.
617,900	93,000	1,500	93,000	0	0	0	477	48,000	Sept.
548,800	0	900	0	0	0	0	...	0	Oct.
569,800	0	0	0	0	0	0	...	0	Nov.
	1,800,000	18,600	1,805,100	57,600	69,200	0	532	87,500	Dec.
									Total or average
589,400	0	0	0	0	0	0	...	0	1918
609,900	47,000	0	47,000	0	0	0	484	27,200	Jan.
599,700	119,000	0	119,000	0	0	0	483	62,200	Feb.
629,700	261,000	1,400	261,000	0	0	0	477	139,300	Mar.
546,300	261,000	1,800	261,000	0	0	0	470	132,900	April
590,500	261,000	2,200	261,000	0	0	0	510	147,800	May
821,300	261,000	3,400	261,000	0	0	0	517	144,600	June
677,900	261,000	2,700	261,000	0	0	0	467	132,100	July
457,000	236,000	1,600	236,000	0	0	0	403	106,100	Aug.
268,100	93,000	900	93,000	0	0	0	382	38,300	Sept.
277,200	0	600	0	0	0	0	...	0	Oct.
320,600	0	0	0	0	0	0	...	0	Nov.
	1,800,000	14,600	1,800,000	0	0	0	466	77,700	Dec.
									Total or average
371,300	0	0	0	0	0	0	...	0	1919
409,700	47,000	0	47,000	0	0	0	430	24,300	Jan.
431,600	119,000	0	119,000	0	0	0	427	55,000	Feb.
406,700	261,000	1,100	261,000	0	0	0	407	118,600	Mar.
353,600	261,000	1,300	261,000	0	0	0	430	121,500	April
532,300	261,000	2,100	261,000	0	0	0	447	130,600	May
423,200	261,000	2,100	261,000	0	0	0	389	109,500	June
221,600	250,300	1,700	92,600	0	0	10,700	320	30,800	July
0	23,000	0	0	0	0	213,000	...	0	Aug.
0	22,400	0	0	0	0	70,600	...	0	Sept.
0	0	0	0	0	0	...	...	0	Oct.
0	0	0	0	0	0	...	...	0	Nov.
18,600	0	0	0	0	0	...	...	0	Dec.
	1,505,700	8,300	1,302,600	0	0	294,300	416	49,200	Total or average

TABLE 9a (Continued). TEMPERANCE FLAT
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computations

(For corresponding yearly sum
Seasonal irrigation yield, 1,800,000 acre-feet. (Supplemented by ground water
Height of dam 595 feet. Capacity of reservoir 1,071,000 acre-feet.

Year and month	Run-off at Friant in acre-feet	Without flood control						
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet
1920								
Jan.	26,900	48,700	0	0	0	0	0	...
Feb.	28,900	75,600	47,000	0	0	0	0	...
Mar.	101,000	57,500	119,000	0	0	0	0	...
April	161,000	39,500	198,000	0	0	0	63,000	...
May	407,000	2,500	259,600	0	8,400	0	1,400	298
June	327,000	149,900	261,000	900	261,000	0	0	336
July	111,000	215,000	261,000	1,400	151,500	0	0	320
Aug.	45,400	63,600	108,900	100	0	0	152,100	...
Sept.	29,200	0	29,200	0	0	0	206,800	...
Oct.	37,000	0	37,000	0	0	0	56,000	...
Nov.	44,600	0	0	0	0	0	0	...
Dec.	43,000	44,600	0	0	0	0	0	...
Total or average	1,362,000		1,320,700	2,400	420,900	0	479,300	329
1921								
Jan.	67,600	87,600	0	0	0	0	0	...
Feb.	77,800	155,200	47,000	0	47,000	0	0	317
Mar.	162,000	186,000	119,000	0	119,000	0	0	340
April	189,000	229,000	261,000	700	261,000	0	0	322
May	323,000	156,300	261,000	800	261,000	0	0	324
June	407,000	217,500	261,000	1,200	261,000	0	0	379
July	155,000	362,300	261,000	1,400	261,000	0	0	390
Aug.	51,600	254,900	261,000	1,400	151,500	0	0	327
Sept.	34,700	44,100	78,700	100	0	0	157,300	...
Oct.	26,300	0	26,300	0	0	0	66,700	...
Nov.	23,000	0	0	0	0	0	0	...
Dec.	63,300	23,000	0	0	0	0	0	...
Total or average	1,580,300		1,576,000	5,600	1,361,500	0	224,000	344
1922								
Jan.	67,600	86,300	0	0	0	0	0	...
Feb.	96,100	153,900	47,000	0	47,000	0	0	321
Mar.	103,000	203,000	119,000	0	119,000	0	0	328
April	193,000	187,000	261,000	700	130,500	0	0	308
May	621,000	118,300	261,000	700	244,200	0	0	367
June	732,000	477,600	261,000	1,900	261,000	0	0	512
July	270,000	946,700	261,000	3,600	261,000	0	0	565
Aug.	84,800	952,100	261,000	3,600	261,000	0	0	542
Sept.	43,400	772,300	236,000	2,200	236,000	0	0	498
Oct.	31,900	577,500	93,000	1,400	93,000	0	0	466
Nov.	42,400	515,000	0	900	0	0	0	...
Dec.	91,600	556,500	0	0	0	0	0	...
Total or average	2,376,800		1,800,000	15,000	1,652,700	0	0	443
1923								
Jan.	69,500	648,100	0	0	0	0	0	...
Feb.	70,000	717,600	47,000	0	47,000	0	0	520
Mar.	95,900	740,600	119,000	0	119,000	0	0	513
April	199,000	717,500	261,000	1,600	261,000	0	0	500
May	450,000	653,900	261,000	2,000	261,000	0	0	513
June	287,000	840,900	261,000	2,800	261,000	0	0	538
July	201,000	864,100	261,000	3,300	261,000	0	0	539
Aug.	72,600	800,800	261,000	2,900	261,000	0	0	507
Sept.	50,900	609,500	236,000	1,900	236,000	0	0	453
Oct.	48,300	422,500	93,000	1,200	93,000	0	0	420
Nov.	33,000	376,600	0	700	0	0	0	...
Dec.	27,700	408,900	0	0	0	0	0	...
Total or average	1,604,900		1,800,000	16,400	1,800,000	0	0	500

RESERVOIR ON SAN JOAQUIN RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

Carried out on a Daily Basis.

mary, see Table 9, page 134.)

supply in years of deficiency. No deduction for downstream prior rights.)

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.									
Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1920									
48,700	0	0	0	0	0	0	...	0	Jan.
75,600	47,000	0	0	0	0	0	...	0	Feb.
57,500	119,000	0	0	0	0	0	...	0	Mar.
39,500	198,000	0	0	0	0	63,000	...	0	April
2,500	259,500	0	8,400	0	0	1,400	298	2,600	May
149,900	261,000	900	261,000	0	0	0	336	95,700	June
215,000	261,000	1,400	151,500	0	0	0	320	50,500	July
63,600	108,900	100	0	0	0	152,100	...	0	Aug.
0	29,200	0	0	0	0	206,800	...	0	Sept.
0	37,000	0	0	0	0	56,000	...	0	Oct.
0	0	0	0	0	0	0	...	0	Nov.
44,600	0	0	0	0	0	0	...	0	Dec.
	1,320,700	2,400	420,900	0	0	479,300	329	12,300	Total or average
1921									
87,600	0	0	0	0	0	0	...	0	Jan.
155,200	47,000	0	47,000	0	0	0	317	17,100	Feb.
186,000	119,000	0	119,000	0	0	0	340	42,900	Mar.
229,000	261,000	700	261,000	0	0	0	322	90,700	April
156,300	261,000	800	261,000	0	0	0	324	88,400	May
217,500	261,000	1,200	261,000	0	0	0	379	110,100	June
362,300	261,000	1,400	261,000	0	0	0	390	109,900	July
254,900	261,000	1,400	151,500	0	0	0	327	52,000	Aug.
44,100	78,700	100	0	0	0	157,300	...	0	Sept.
0	26,300	0	0	0	0	66,700	...	0	Oct.
0	0	0	0	0	0	0	...	0	Nov.
23,000	0	0	0	0	0	0	...	0	Dec.
	1,576,000	5,600	1,361,500	0	0	224,000	344	42,700	Total or average
1922									
86,300	0	0	0	0	0	0	...	0	Jan.
153,900	47,000	0	47,000	0	0	0	321	17,400	Feb.
203,000	119,000	0	119,000	0	0	0	328	41,000	Mar.
187,000	261,000	700	130,500	0	0	0	308	42,800	April
118,300	261,000	700	244,200	0	0	0	367	96,200	May
477,600	261,000	1,900	261,000	0	0	0	512	148,300	June
946,700	261,000	3,600	261,000	0	0	0	565	154,600	July
952,100	261,000	3,600	261,000	0	0	0	542	150,000	Aug.
772,300	236,000	2,200	236,000	0	0	0	498	131,000	Sept.
577,500	93,000	1,400	93,000	0	0	0	466	46,900	Oct.
515,000	0	900	0	0	0	0	...	0	Nov.
556,500	0	0	0	0	0	0	...	0	Dec.
	1,800,000	15,000	1,652,700	0	0	0	443	69,300	Total or average
1923									
648,100	0	0	0	0	0	0	...	0	Jan.
717,600	47,000	0	47,000	0	0	0	520	29,000	Feb.
740,600	119,000	0	119,000	0	0	0	513	65,600	Mar.
717,500	261,000	1,600	261,000	0	0	0	500	145,400	April
653,900	261,000	2,000	261,000	0	0	0	513	143,800	May
840,900	261,000	2,800	261,000	0	0	0	538	154,200	June
864,100	261,000	3,300	261,000	0	0	0	539	149,500	July
800,800	261,000	2,900	261,000	0	0	0	507	142,300	Aug.
609,500	236,000	1,900	236,000	0	0	0	453	119,900	Sept.
422,500	93,000	1,200	93,000	0	0	0	420	42,200	Oct.
376,600	0	700	0	0	0	0	...	0	Nov.
408,900	0	0	0	0	0	0	...	0	Dec.
	1,800,000	16,400	1,800,000	0	0	0	500	82,900	Total or average

TABLE 9a (Concluded). TEMPERANCE FLAT
WATER AND POWER YIELD BOTH WITH AND WITHOUT
Monthly Summary of Computations
(For corresponding yearly sum)

Seasonal irrigation yield 1,800,000 acre-feet. (Supplemented by ground water
Height of dam 595 feet. Capacity of reservoir 1,071,000 acre-feet.

Year and month	Run-off at Friant in acre-feet	Without flood control							
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1924									
Jan.	26,900	436,600	0	0	0	0	0	...	0
Feb.	22,600	463,500	47,000	0	47,000	0	0	445	24,100
Mar.	25,800	439,100	119,000	0	119,000	0	0	419	54,000
April	83,300	345,900	261,000	1,000	261,000	0	0	356	102,600
May	152,000	167,200	261,000	800	109,400	0	0	304	34,100
June	37,800	57,400	95,100	100	0	0	165,900	...	0
July	20,600	0	20,600	0	0	0	240,400	...	0
Aug.	16,200	0	16,200	0	0	0	244,800	...	0
Sept.	12,700	0	12,700	0	0	0	223,300	...	0
Oct.	17,700	0	11,700	0	0	0	81,300	...	0
Nov.	27,800	0	0	0	0	0	0	...	0
Dec.	28,700	27,800	0	0	0	0	0	...	0
Total or average	466,100		844,300	1,900	536,400	0	955,700	394	17,800
1925									
Jan.	27,100	56,500	0	0	0	0	0	...	0
Feb.	77,800	83,600	47,000	0	0	0	0	...	0
Mar.	94,700	114,400	119,000	0	0	0	0	...	0
April	196,000	90,100	261,000	400	0	0	0	...	0
May	364,000	24,700	261,000	200	0	0	0	...	0
June	281,000	127,500	261,000	800	60,900	0	0	298	19,000
July	151,000	146,700	261,000	1,100	50,500	0	0	298	15,300
Aug.	65,800	35,600	101,300	100	0	0	159,700	...	0
Sept.	37,100	0	37,100	0	0	0	198,900	...	0
Oct.	39,200	0	39,200	0	0	0	53,800	...	0
Nov.	32,900	0	0	0	0	0	0	...	0
Dec.	40,800	38,900	0	0	0	0	0	...	0
Total or average	1,413,400		1,387,600	2,600	111,400	0	412,400	298	2,900
Total for 18-year period, 1908-1926	32,675,600		28,984,500	225,000	25,008,000	3,970,400	3,415,500	...	
Average for 18-year period, 1908-1926	1,815,300		1,610,300	12,500	1,389,300	220,600	189,700	490	62,000

RESERVOIR ON SAN JOAQUIN RIVER.

FLOOD CONTROL BY RESERVOIR OPERATING DIAGRAM.

Carried out on a Daily Basis.

mary, see Table 9, page 134.)

supply in years of deficiency. No deduction for downstream prior rights.)

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Coordinated with flood control by reservoir operating diagram									
Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.									
Maximum reserv. ir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor = 1.00)	Year and month
436,600	0	0	0	0	0	0	...	0	1924
463,500	47,000	0	47,000	0	0	0	445	24,100	Jan.
439,100	119,000	0	119,000	0	0	0	419	54,000	Feb.
345,900	261,000	1,000	261,000	0	0	0	356	102,600	Mar.
167,200	261,000	800	109,400	0	0	0	304	34,100	April
57,400	95,100	100	0	0	0	165,900	...	0	May
0	20,600	0	0	0	0	240,400	...	0	June
0	16,200	0	0	0	0	244,800	...	0	July
0	12,700	0	0	0	0	233,300	...	0	Aug.
0	11,700	0	0	0	0	81,300	...	0	Sept.
0	0	0	0	0	0	0	...	0	Oct.
27,800	0	0	0	0	0	0	...	0	Nov.
									Dec.
	844,300	1,900	536,400	0	0	955,700	394	17,800	Total or average
56,500	0	0	0	0	0	0	...	0	1925
83,800	47,000	0	0	0	0	0	...	0	Jan.
114,400	119,000	0	0	0	0	0	...	0	Feb.
90,100	261,000	400	0	0	0	0	...	0	Mar.
24,700	261,000	200	0	0	0	0	...	0	April
127,500	261,000	800	60,900	0	0	0	298	19,000	May
146,700	261,000	1,100	50,500	0	0	0	298	15,300	June
35,600	101,300	100	0	0	0	159,700	...	0	July
0	37,100	0	0	0	0	198,900	...	0	Aug.
0	39,200	0	0	0	0	53,800	...	0	Sept.
0	0	0	0	0	0	0	...	0	Oct.
38,900	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,387,600	2,600	111,400	0	0	412,400	298	2,900	Total or average
28,984,500	219,800	25,010,400	3,530,700	442,500	3,415,500	...			Total for 18-year period, 1903-1926
1,610,300	12,200	1,389,500	196,100	24,600	189,700	434	61,400		Average for 18-year period, 1903-1926

TABLE 10a TEMPERANCE FLAT RESER
COMPARISON OF WATER AND POWER YIELD
Monthly Summary of Computations
(For corresponding yearly sum

Seasonal irrigation yield 1,800,000 acre-feet. (Supplemented by ground water
Height of dam 595 feet. Capacity of reservoir 1,071,000 acre-feet.

Year and month	Run-off at Friant in acre-feet	Flood control by reservoir operating diagram								
		Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.								
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1908										
Jan.	53,100	797,100	0	0	0	0	0	0	...	0
Feb.	58,100	850,200	47,000	0	47,000	0	0	0	548	29,200
Mar.	120,000	861,300	119,000	0	119,000	0	0	0	543	68,400
April	199,000	862,300	261,000	1,700	261,000	0	0	0	530	152,400
May	219,000	798,600	261,000	2,200	261,000	0	0	0	522	145,800
June	176,000	754,400	261,000	2,600	261,000	0	0	0	507	146,900
July	119,000	666,800	261,000	2,800	261,000	0	0	0	478	135,100
Aug.	73,200	522,000	261,000	2,300	261,000	0	0	0	429	121,100
Sept.	39,000	331,900	236,000	1,300	228,100	0	0	0	347	86,800
Oct.	23,900	133,600	93,000	600	0	0	0	0	...	0
Nov.	16,200	63,900	0	200	0	0	0	0	...	0
Dec.	18,500	79,900	0	0	0	0	0	0	...	0
Total or average	1,115,000		1,800,000	13,700	1,699,100	0	0	0	488	73,800
1909										
Jan.	277,000	98,400	0	0	0	0	0	0	...	0
Feb.	183,000	375,400	47,000	0	47,000	0	0	0	438	24,700
Mar.	133,000	511,400	119,000	0	119,000	0	0	0	460	59,500
April	352,000	525,400	261,000	1,300	261,000	0	0	0	459	134,200
May	646,000	615,100	261,000	1,900	266,400	86,700	0	0	529	150,300
June	827,000	906,100	261,000	2,900	273,000	484,800	0	0	553	164,400
July	309,000	972,400	261,000	3,600	263,900	34,400	0	0	568	156,600
Aug.	78,100	979,500	261,000	3,400	261,000	0	0	0	543	150,300
Sept.	37,000	793,200	236,000	2,300	236,000	0	0	0	500	131,400
Oct.	25,000	591,900	93,000	1,500	93,000	0	0	0	468	47,200
Nov.	49,600	522,400	0	900	0	0	0	0	...	0
Dec.	220,000	571,100	0	0	0	0	0	0	...	0
Total or average	3,136,700		1,800,000	17,800	1,820,300	605,900	0	0	503	85,100
1910										
Jan.	188,000	791,100	0	0	0	0	0	0	...	0
Feb.	86,600	979,100	47,000	0	87,600	900	0	0	567	57,600
Mar.	188,000	977,200	119,000	0	123,200	0	0	0	574	73,800
April	375,000	1,042,000	261,000	1,900	262,200	33,800	66,500	0	576	162,600
May	475,000	1,052,600	261,000	2,700	280,900	328,800	0	0	556	164,400
June	237,000	915,200	261,000	2,900	263,300	37,800	0	0	547	157,400
July	99,600	848,200	261,000	3,300	261,000	0	0	0	520	145,200
Aug.	39,600	683,500	261,000	2,700	261,000	0	0	0	469	132,700
Sept.	51,700	459,400	236,000	1,600	236,000	0	0	0	398	104,900
Oct.	29,600	273,500	93,000	900	93,000	0	0	0	357	35,500
Nov.	24,000	209,200	0	500	0	0	0	0	...	0
Dec.	31,400	232,700	0	0	0	0	0	0	...	0
Total or average	1,825,500		1,800,000	16,500	1,868,200	401,300	66,500	0	506	86,200
1911										
Jan.	239,000	264,100	0	0	0	0	0	0	...	0
Feb.	207,000	503,100	47,000	0	47,000	0	0	0	489	27,500
Mar.	336,000	663,100	119,000	0	119,000	0	0	0	525	66,700
April	425,000	880,100	261,000	1,800	261,000	0	0	0	561	158,900
May	571,000	1,042,300	261,000	2,600	280,000	430,500	0	0	557	164,000
June	946,000	900,200	261,000	2,900	272,300	541,900	0	0	555	164,400
July	593,000	1,029,100	261,000	3,700	273,100	203,700	74,600	0	574	163,300
Aug.	116,000	1,067,000	261,000	3,500	261,000	0	0	0	569	155,200
Sept.	45,500	918,500	236,000	2,400	236,000	0	0	0	532	138,200
Oct.	32,300	725,600	93,000	1,600	93,000	0	0	0	507	50,700
Nov.	28,000	663,300	0	1,000	0	0	0	0	...	0
Dec.	23,400	690,300	0	0	0	0	0	0	...	0
Total or average	3,562,200		1,800,000	19,500	1,842,400	1,176,100	74,600	0	542	91,000

VOIR ON SAN JOAQUIN RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

Carried out on a Daily Basis.

mary, see Table 10, page 136.)

supply in years of deficiency. No deduction for downstream prior rights.)

Installed capacity of power plant 400,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season									
Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
797,100	0	0	0	0	0	0	...	0	1908
850,200	47,000	0	47,000	0	0	0	548	29,200	Jan.
861,300	119,000	0	119,000	0	0	0	543	68,400	Feb.
862,300	261,000	1,700	261,000	0	0	0	530	152,400	Mar.
798,600	261,000	2,200	261,000	0	0	0	522	145,800	April
754,400	261,000	2,600	261,000	0	0	0	507	146,900	May
666,800	261,000	2,800	261,000	0	0	0	478	135,100	June
522,000	261,000	2,300	261,000	0	0	0	429	121,100	July
331,900	236,000	1,300	228,100	0	0	0	347	86,800	Aug.
133,600	93,000	600	0	0	0	0	...	0	Sept.
63,900	0	200	0	0	0	0	...	0	Oct.
79,900	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	13,700	1,699,100	0	0	0	488	73,800	Total or average
98,400	0	0	0	0	0	0	...	0	1909
375,400	47,000	0	47,000	0	0	0	438	24,700	Jan.
511,400	119,000	0	119,000	0	0	0	460	59,300	Feb.
525,400	261,000	1,300	261,000	0	0	0	459	134,200	Mar.
615,100	261,000	1,900	269,000	96,200	0	0	527	151,500	April
894,000	261,000	2,900	274,800	549,300	0	0	548	164,400	May
894,000	261,000	3,400	272,200	79,000	0	0	544	156,900	June
848,400	261,000	3,100	261,000	0	0	0	516	144,400	July
662,400	236,000	2,000	236,000	0	0	0	466	123,300	Aug.
461,400	93,000	1,200	93,000	0	0	0	430	43,300	Sept.
392,200	0	700	0	0	0	0	...	0	Oct.
441,100	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	16,500	1,833,000	624,500	0	0	488	83,700	Total or average
661,100	0	0	0	0	0	0	...	0	1910
849,100	47,000	0	47,000	0	0	0	552	30,400	Jan.
888,700	119,000	0	138,700	0	0	0	555	81,200	Feb.
938,000	261,000	1,800	262,400	76,500	0	0	558	159,000	Mar.
972,300	261,000	2,500	285,500	265,300	0	0	544	164,400	April
894,000	261,000	2,900	263,600	35,700	0	0	542	155,700	May
828,800	261,000	3,300	261,000	0	0	0	514	144,000	June
664,100	261,000	2,600	261,000	0	0	0	463	131,000	July
440,100	236,000	1,600	236,000	0	0	0	396	104,200	Aug.
254,200	93,000	800	93,000	0	0	0	344	34,000	Sept.
190,000	0	500	0	0	0	0	...	0	Oct.
213,500	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	16,000	1,848,200	377,500	0	0	496	83,900	Total or average
244,900	0	0	0	0	0	0	...	0	1911
483,900	47,000	0	47,000	0	0	0	484	27,200	Jan.
643,900	119,000	0	119,000	0	0	0	520	66,300	Feb.
860,900	261,000	1,700	262,400	76,500	0	0	555	158,500	Mar.
945,300	261,000	2,500	286,000	333,800	0	0	543	164,400	April
894,000	261,000	2,900	272,700	540,100	0	0	554	164,400	May
1,024,300	261,000	3,700	270,000	287,200	0	0	568	160,400	June
1,056,400	261,000	3,500	261,000	0	0	0	566	154,800	July
907,900	236,000	2,400	236,000	0	0	0	529	137,500	Aug.
715,000	93,000	1,600	93,000	0	0	0	504	50,400	Sept.
652,700	0	1,000	0	0	0	0	...	0	Oct.
679,700	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	19,300	1,847,100	1,237,600	0	0	536	90,000	Total or average

TABLE 10a (Continued). TEMPERANCE FLAT
COMPARISON OF WATER AND POWER YIELD
Monthly Summary of Computations
(For corresponding yearly sum

Seasonal irrigation yield 1,800,000 acre-feet. (Supplemented by ground water
Height of dam 595 feet. Capacity of reservoir 1,071,000 acre-feet.

Year and month	Run-off at Friant in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.								
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)
1912										
Jan.	30,100	713,700	0	0	0	0	0	0	...	0
Feb.	26,600	743,800	47,000	0	47,000	0	0	0	521	28,000
Mar.	55,200	723,400	119,000	0	119,000	0	0	0	505	64,700
April	75,000	659,600	261,000	1,500	261,000	0	0	0	468	136,700
May	255,000	472,100	261,000	1,600	261,000	0	0	0	431	121,800
June	368,000	464,500	261,000	1,900	261,000	0	0	0	472	137,900
July	95,300	569,600	261,000	2,600	261,000	0	0	0	445	125,800
Aug.	38,000	401,300	261,000	1,900	261,000	0	0	0	367	102,700
Sept.	22,400	176,400	198,100	700	39,300	0	0	37,900	305	12,800
Oct.	17,800	0	17,800	0	0	0	0	75,200	...	0
Nov.	20,300	0	0	0	0	0	0	0	...	0
Dec.	20,000	20,300	0	0	0	0	0	0	...	0
Total or average	1,023,700		1,686,900	10,200	1,510,300	0	0	113,100	454	60,900
1913										
Jan.	22,100	40,300	0	0	0	0	0	0	...	0
Feb.	25,700	62,400	47,000	0	0	0	0	0	...	0
Mar.	38,200	41,100	79,300	0	0	0	0	39,700	...	0
April	95,800	0	95,800	0	0	0	0	165,200	...	0
May	247,000	0	219,200	0	0	0	0	41,800	...	0
June	170,000	27,800	197,700	100	0	0	0	63,300	...	0
July	102,000	0	102,000	0	0	0	0	159,000	...	0
Aug.	68,900	0	68,900	0	0	0	0	192,100	...	0
Sept.	40,600	0	40,600	0	0	0	0	195,400	...	0
Oct.	12,800	0	12,800	0	0	0	0	862,000	...	0
Nov.	22,300	0	0	0	0	0	0	0	...	0
Dec.	28,700	22,300	0	0	0	0	0	0	...	0
Total or average	874,100		863,300	100	0	0	0	936,700	0	0
1914										
Jan.	259,000	51,000	0	0	0	0	0	0	...	0
Feb.	145,000	310,000	47,000	0	47,000	0	0	0	404	22,800
Mar.	234,000	408,000	119,000	0	119,000	0	0	0	439	56,600
April	395,000	523,000	261,000	1,300	261,000	0	0	0	475	138,800
May	577,000	655,700	261,000	2,000	264,300	66,800	0	0	519	146,800
June	607,000	899,600	261,000	2,900	275,100	264,900	0	0	547	164,400
July	392,000	963,700	261,000	3,600	265,000	26,200	0	0	574	158,600
Aug.	142,000	1,060,900	261,000	3,500	261,000	0	0	0	573	156,100
Sept.	53,900	938,400	236,000	2,500	236,000	0	0	0	537	139,000
Oct.	40,300	753,800	93,000	1,700	93,000	0	0	0	513	51,200
Nov.	30,500	699,400	0	1,100	0	0	0	0	...	0
Dec.	29,600	728,800	0	0	0	0	0	0	...	0
Total or average	2,905,300		1,800,000	18,600	1,821,400	357,900	0	0	510	86,400
1915										
Jan.	38,200	758,400	0	0	0	0	0	0	...	0
Feb.	90,000	796,600	47,000	0	47,000	0	0	0	537	29,600
Mar.	124,000	839,600	119,000	0	119,000	0	0	0	537	67,900
April	246,000	844,600	261,000	1,700	261,000	0	0	0	532	152,800
May	381,000	827,900	261,000	2,300	264,100	44,300	0	0	538	151,100
June	589,000	898,200	261,000	2,900	275,200	241,300	0	0	547	164,400
July	287,000	964,800	261,000	3,600	263,300	2,100	0	0	568	156,500
Aug.	70,100	982,800	261,000	3,400	261,000	0	0	0	545	150,700
Sept.	44,300	788,500	236,000	2,300	236,000	0	0	0	500	131,400
Oct.	26,700	594,500	93,000	1,500	93,000	0	0	0	466	47,000
Nov.	23,400	526,700	0	900	0	0	0	0	...	0
Dec.	37,900	549,200	0	0	0	0	0	0	...	0
Total or average	1,954,800		1,800,000	18,600	1,819,600	287,700	0	0	530	87,800

RESERVOIR ON SAN JOAQUIN RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

Carried out on a Daily Basis.

mary, see Table 10, page 136.)

supply in years of deficiency. No deduction for downstream prior rights.)

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (rain-water floods, 133,000 ac. ft.; snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.									Year and month
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for down- stream prior rights)	Evapora- tion in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor= 1.00)	
703,100	0	0	0	0	0	0	...	0	1912
733,200	47,000	0	47,000	0	0	0	518	27,900	Jan.
712,800	119,000	0	119,000	0	0	0	502	64,400	Feb.
649,000	261,000	1,500	261,000	0	0	0	464	135,600	Mar.
461,500	261,000	1,600	261,000	0	0	0	427	120,600	April
453,900	261,000	1,900	261,000	0	0	0	468	136,800	May
559,000	261,000	2,500	261,000	0	0	0	441	124,700	June
390,800	261,000	1,900	261,000	0	0	0	361	101,100	July
165,900	187,700	600	23,600	0	0	48,300	302	7,500	Aug.
0	17,800	0	0	0	0	75,200	...	0	Sept.
0	0	0	0	0	0	0	...	0	Oct.
20,300	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,676,500	10,000	1,494,600	0	0	123,500	454	59,900	Total or average
40,300	0	0	0	-0	0	0	...	0	1913
62,400	47,000	0	0	0	0	0	...	0	Jan.
41,100	79,300	0	0	0	0	39,700	...	0	Feb.
0	95,800	0	0	0	0	165,200	...	0	Mar.
0	219,200	0	0	0	0	41,800	...	0	April
27,800	197,700	100	0	0	0	63,300	...	0	May
0	102,000	0	0	0	0	159,000	...	0	June
0	68,900	0	0	0	0	192,100	...	0	July
0	40,600	0	0	0	0	195,400	...	0	Aug.
0	12,800	0	0	0	0	80,200	...	0	Sept.
0	0	0	0	0	0	0	...	0	Oct.
22,300	0	0	0	0	0	0	...	0	Nov.
									Dec.
	863,300	100	0	0	0	936,700	0	0	Total or average
51,000	0	0	0	0	0	0	...	0	1914
310,000	47,000	0	47,000	0	0	0	404	22,800	Jan.
408,000	119,000	0	119,000	0	0	0	439	56,600	Feb.
523,000	261,000	1,300	261,000	0	0	0	475	138,800	Mar.
655,700	261,000	2,000	265,100	71,600	0	0	519	147,200	April
894,000	261,000	2,900	277,100	327,000	0	0	542	164,400	May
894,000	261,000	3,400	272,900	98,800	0	0	547	157,900	June
910,900	261,000	3,200	261,000	0	0	0	541	149,700	July
788,700	236,000	2,300	236,000	0	0	0	502	131,900	Aug.
604,300	93,000	1,500	93,000	0	0	0	474	47,800	Sept.
550,100	0	900	0	0	0	0	...	0	Oct.
579,700	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	17,500	1,832,100	497,400	0	0	495	85,000	Total or average
609,300	0	0	0	0	0	0	...	0	1915
647,500	47,000	0	47,000	0	0	0	502	28,100	Jan.
690,500	119,000	0	119,000	0	0	0	503	64,400	Feb.
695,500	261,000	1,500	261,000	0	0	0	497	144,600	Mar.
679,000	261,000	2,000	261,000	0	0	0	506	142,100	April
707,000	261,000	2,700	273,200	213,100	0	0	541	161,900	May
894,000	261,000	3,400	271,800	45,300	0	0	545	156,900	June
860,500	261,000	3,100	261,000	0	0	0	529	147,200	July
666,500	236,000	2,000	236,000	0	0	0	468	123,800	Aug.
472,800	93,000	1,200	93,000	0	0	0	433	43,500	Sept.
405,300	0	800	0	0	0	0	...	0	Oct.
427,900	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	16,700	1,823,000	258,400	0	0	503	84,600	Total or average

TABLE 10a (Continued). TEMPERANCE FLAT
COMPARISON OF WATER AND POWER YIELD
Monthly Summary of Computations
(For corresponding yearly sum

Seasonal irrigation yield 1,800,000 acre-feet. (Supplemented by ground water
Height of dam 595 feet. Capacity of reservoir 1,071,000 acre-feet.

Year and month	Run-off at Friant in acre-feet	Flood control by reservoir operating diagram								
		Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.								
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power-draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor = 1.00)
1916										
Jan.	173,000	587,100	0	0	0	0	0	0	...	0
Feb.	142,000	760,100	47,000	0	47,000	0	0	0	532	28,400
Mar.	338,000	855,100	119,000	0	122,100	0	0	0	562	72,000
April	477,000	1,071,000	261,000	2,000	264,300	0	210,700	0	579	164,400
May	552,000	1,071,000	261,000	2,700	280,100	417,600	21,500	0	558	164,400
June	572,000	901,100	261,000	2,900	274,000	226,600	0	0	549	164,300
July	289,000	969,600	261,000	3,600	261,000	0	0	0	569	155,400
Aug.	91,000	994,000	261,000	3,400	261,000	0	0	0	551	151,700
Sept.	44,500	820,600	236,000	2,300	236,000	0	0	0	509	133,300
Oct.	63,900	627,200	93,000	1,500	93,000	0	0	0	486	48,900
Nov.	38,900	596,600	0	1,000	0	0	0	0	...	0
Dec.	45,300	634,500	0	0	0	0	0	0	...	0
Total or average	2,827,000		1,800,000	19,400	1,838,500	644,200	232,200	0	544	90,300
1917										
Jan.	47,500	670,800	0	0	0	0	0	0	...	0
Feb.	129,000	727,300	47,000	0	47,000	0	0	0	519	28,900
Mar.	108,000	809,300	119,000	0	119,000	0	0	0	531	67,300
April	226,000	798,300	261,000	1,700	261,000	0	0	0	518	149,700
May	373,000	761,600	261,000	2,200	261,000	0	0	0	530	147,400
June	579,000	871,400	261,000	2,800	262,900	57,600	56,100	0	569	161,400
July	222,000	1,071,000	261,000	3,800	264,200	0	13,100	0	579	159,100
Aug.	72,600	1,011,900	261,000	3,400	261,000	0	0	0	553	152,200
Sept.	36,100	820,100	236,000	2,300	236,000	0	0	0	507	133,200
Oct.	25,400	617,900	93,000	1,500	93,000	0	0	0	477	48,000
Nov.	21,900	548,800	0	900	0	0	0	0	...	0
Dec.	19,600	569,800	0	0	0	0	0	0	...	0
Total or average	1,860,100		1,800,000	18,600	1,805,100	57,600	69,200	0	532	87,500
1918										
Jan.	20,500	589,400	0	0	0	0	0	0	...	0
Feb.	36,800	609,900	47,000	0	47,000	0	0	0	484	27,200
Mar.	149,000	599,700	119,000	0	119,000	0	0	0	483	62,200
April	179,000	629,700	261,000	1,400	261,000	0	0	0	477	139,300
May	307,000	546,300	261,000	1,800	261,000	0	0	0	470	132,900
June	494,000	590,500	261,000	2,200	261,000	0	0	0	510	147,800
July	121,000	821,300	261,000	3,400	261,000	0	0	0	517	144,600
Aug.	42,800	677,900	261,000	2,700	261,000	0	0	0	467	132,100
Sept.	48,700	457,000	236,000	1,600	236,000	0	0	0	403	106,100
Oct.	103,000	268,100	93,000	900	93,000	0	0	0	382	38,300
Nov.	44,000	277,200	0	600	0	0	0	0	...	0
Dec.	50,700	320,600	0	0	0	0	0	0	...	0
Total or average	1,596,500		1,800,000	14,600	1,800,000	0	0	0	466	77,700
1919										
Jan.	38,400	371,300	0	0	0	0	0	0	...	0
Feb.	68,900	409,700	47,000	0	47,000	0	0	0	430	24,300
Mar.	94,100	431,600	119,000	0	119,000	0	0	0	427	55,000
April	209,000	406,700	261,000	1,100	261,000	0	0	0	407	118,600
May	441,000	353,600	261,000	1,300	261,000	0	0	0	430	121,500
June	154,000	532,300	261,000	2,100	261,000	0	0	0	447	130,600
July	61,500	423,200	261,000	2,100	261,000	0	0	0	389	109,500
Aug.	30,400	221,600	250,300	1,700	92,900	0	0	10,700	320	30,800
Sept.	23,000	0	23,000	0	0	0	0	213,000	...	0
Oct.	22,400	0	22,400	0	0	0	0	70,600	...	0
Nov.	18,600	0	0	0	0	0	0	...	...	0
Dec.	30,100	18,600	0	0	0	0	0	...	...	0
Total or average	1,191,400		1,505,700	8,300	1,302,600	0	0	294,300	416	49,200

RESERVOIR ON SAN JOAQUIN RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

Carried out on a Daily Basis.

mary, see Table 10, page 136.)

supply in years of deficiency. No deduction for downstream prior rights.)

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season
Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor = 1.00)	Year and month
465,800	0	0	0	0	0	0	...	0	1916
638,800	47,000	0	47,000	0	0	0	504	27,300	Jan.
733,800	119,000	0	129,400	4,400	0	0	536	73,800	Feb.
938,000	261,000	1,800	264,100	108,700	4,200	0	566	161,900	Mar.
1,036,200	261,000	2,600	282,900	408,700	0	0	551	164,400	April
894,000	261,000	2,900	276,900	292,200	0	0	542	164,400	May
894,000	261,000	3,400	272,600	38,100	0	0	546	157,400	June
868,900	261,000	3,100	261,000	0	0	0	524	146,100	July
695,800	236,000	2,100	236,000	0	0	0	476	125,800	Aug.
502,600	93,000	1,300	93,000	0	0	0	451	45,400	Sept.
472,200	0	800	0	0	0	0	...	0	Oct.
510,300	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,00	18,000	1,862,900	852,100	4,200	0	522	89,000	Total or average
555,600	0	0	0	0	0	0	...	0	1917
603,100	47,000	0	47,000	0	0	0	489	27,500	Jan.
685,100	119,000	0	119,000	0	0	0	502	64,400	Feb.
674,100	261,000	1,500	261,000	0	0	0	488	142,400	Mar.
637,600	261,000	2,000	261,000	0	0	0	501	140,900	April
747,600	261,000	2,600	270,500	159,500	0	0	537	159,400	May
894,000	261,000	3,400	267,400	10,000	0	0	544	154,000	June
835,200	261,000	3,100	261,000	0	0	0	536	148,900	July
643,700	236,000	2,000	236,000	0	0	0	461	121,800	Aug.
441,800	93,000	1,200	93,000	0	0	0	422	42,500	Sept.
373,000	0	700	0	0	0	0	...	0	Oct.
394,200	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	16,500	1,815,900	169,500	0	0	498	83,700	Total or average
413,800	0	0	0	0	0	0	...	0	1918
434,300	47,000	0	47,000	0	0	0	432	24,400	Jan.
424,100	119,000	0	119,000	0	0	0	431	55,500	Feb.
454,100	261,000	1,200	261,000	0	0	0	422	122,900	Mar.
370,900	261,000	1,400	261,000	0	0	0	415	117,100	April
415,500	261,000	1,800	261,000	0	0	0	464	135,600	May
646,700	261,000	2,800	261,000	0	0	0	473	133,600	June
503,900	261,000	2,200	261,000	0	0	0	411	116,000	July
283,500	236,000	1,200	173,100	0	0	0	334	63,100	Aug.
95,000	93,000	400	18,000	0	0	0	296	5,400	Sept.
104,600	0	300	0	0	0	0	...	0	Oct.
148,300	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	11,300	1,662,100	0	0	0	423	64,600	Total or average
199,000	0	0	0	0	0	0	...	0	1919
237,400	47,000	0	47,000	0	0	0	380	20,100	Jan.
259,300	119,000	0	119,000	0	0	0	357	45,400	Feb.
234,400	261,000	800	261,000	0	0	0	333	94,600	Mar.
181,600	261,000	900	261,000	0	0	0	363	101,600	April
380,700	261,000	1,600	261,000	0	0	0	386	112,400	May
252,100	261,000	1,500	151,500	0	0	0	328	52,200	June
51,100	81,400	100	0	0	0	179,600	...	0	July
0	23,000	0	0	0	0	213,000	...	0	Aug.
0	22,400	0	0	0	0	70,600	...	0	Sept.
0	0	0	0	0	0	...	...	0	Oct.
18,600	0	0	0	0	0	...	...	0	Nov.
									Dec.
	1,336,800	4,900	1,100,500	0	0	463,200	357	35,500	Total or average

TABLE 10a (Continued). TEMPERANCE FLAT
COMPARISON OF WATER AND POWER YIELD
Monthly Summary of Computations

(For corresponding yearly sum

Seasonal irrigation yield 1,800,000 acre-feet. (Supplemented by ground water
Height of dam 595 feet. Capacity of reservoir 1,071,000 acre-feet.

Year and month	Run-off at Friant in acre-feet	Flood control by reservoir operating diagram Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.								
		Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period or operation in feet	Average power yield in kilowatts (Load factor=1.00)
1920										
Jan.	26,900	48,700	0	0	0	0	0	0	...	0
Feb.	28,900	75,600	47,000	0	0	0	0	0	...	0
Mar.	101,000	57,500	119,000	0	0	0	0	0	...	0
April	161,000	39,500	198,000	0	0	0	0	63,000	...	0
May	407,000	2,500	253,600	0	8,400	0	0	1,400	298	2,600
June	327,000	149,900	261,000	900	261,000	0	0	0	336	95,700
July	111,000	215,000	261,000	1,400	151,500	0	0	0	320	50,500
Aug.	45,400	63,600	108,900	100	0	0	0	152,100	...	0
Sept.	29,200	0	29,200	0	0	0	0	206,800	...	0
Oct.	37,000	0	37,000	0	0	0	0	56,000	...	0
Nov.	44,600	0	0	0	0	0	0	0	...	0
Dec.	43,000	44,600	0	0	0	0	0	0	...	0
Total or average	1,362,000		1,320,700	2,400	420,900	0	0	479,300	329	12,300
1921										
Jan.	67,600	87,600	0	0	0	0	0	0	...	0
Feb.	77,800	155,200	47,000	0	47,000	0	0	0	317	17,100
Mar.	162,000	186,000	119,000	0	119,000	0	0	0	340	42,900
April	189,000	229,000	261,000	700	261,000	0	0	0	322	90,700
May	323,000	156,300	261,000	800	261,000	0	0	0	324	88,400
June	407,000	217,500	261,000	1,200	261,000	0	0	0	379	110,100
July	155,000	362,300	261,000	1,400	261,000	0	0	0	390	109,900
Aug.	51,600	254,900	261,000	1,400	151,500	0	0	0	327	52,000
Sept.	26,300	44,100	78,700	100	0	0	0	157,300	...	0
Oct.	23,000	0	26,300	0	0	0	0	66,700	...	0
Nov.	23,000	0	0	0	0	0	0	0	...	0
Dec.	63,300	23,000	0	0	0	0	0	0	...	0
Total or average	1,580,300		1,576,000	5,600	1,361,500	0	0	224,000	344	42,700
1922										
Jan.	67,600	86,300	0	0	0	0	0	0	...	0
Feb.	96,100	153,900	47,000	0	47,000	0	0	0	321	17,400
Mar.	103,000	203,000	119,000	0	119,000	0	0	0	328	41,000
April	192,000	187,000	261,000	700	130,500	0	0	0	308	42,800
May	621,000	118,300	261,000	700	244,200	0	0	0	367	96,200
June	732,000	477,600	261,000	1,900	261,000	0	0	0	512	148,300
July	270,000	946,700	261,000	3,600	261,000	0	0	0	565	154,600
Aug.	84,800	952,100	261,000	3,600	261,000	0	0	0	542	150,000
Sept.	43,400	772,300	236,000	2,200	236,000	0	0	0	498	131,000
Oct.	31,900	577,500	93,000	1,400	93,000	0	0	0	466	46,900
Nov.	42,400	515,000	0	900	0	0	0	0	...	0
Dec.	91,600	556,500	0	0	0	0	0	0	...	0
Total or average	2,376,800		1,800,000	15,000	1,652,700	0	0	0	443	69,300
1923										
Jan.	69,500	648,100	0	0	0	0	0	0	...	0
Feb.	70,000	717,600	47,000	0	47,000	0	0	0	320	29,000
Mar.	95,900	740,600	119,000	0	119,000	0	0	0	513	65,000
April	199,000	717,500	261,000	1,600	261,000	0	0	0	500	145,400
May	450,000	653,900	261,000	2,000	261,000	0	0	0	513	143,800
June	287,000	840,900	261,000	2,800	261,000	0	0	0	538	154,200
July	201,000	864,100	261,000	3,300	261,000	0	0	0	539	149,500
Aug.	72,600	800,800	261,000	2,900	261,000	0	0	0	507	142,300
Sept.	50,900	609,500	236,000	1,900	236,000	0	0	0	453	119,900
Oct.	48,300	422,500	93,000	1,200	93,000	0	0	0	420	42,200
Nov.	33,000	376,600	0	700	0	0	0	0	...	0
Dec.	27,700	408,900	0	0	0	0	0	0	...	0
Total or average	1,604,900		1,800,000	16,400	1,800,000	0	0	0	500	82,900

RESERVOIR ON SAN JOAQUIN RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

Carried out on a Daily Basis.

mary, see Table 10, page 136.)

supply in years of deficiency. No deduction for downstream prior rights.)

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season									
Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.									
Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
48,700	0	0	0	0	0	0	...	0	1920
75,600	47,000	0	0	0	0	0	...	0	Jan.
57,500	119,000	0	0	0	0	0	...	0	Feb.
39,500	198,000	0	0	0	0	63,000	...	0	Mar.
2,500	259,600	0	8,400	0	0	1,400	298	2,600	April
149,900	261,000	900	261,000	0	0	0	336	95,700	May
215,000	261,000	1,400	151,500	0	0	0	320	50,500	June
63,600	108,900	100	0	0	0	152,100	...	0	July
0	29,200	0	0	0	0	206,800	...	0	Aug.
0	37,000	0	0	0	0	56,000	...	0	Sept.
0	0	0	0	0	0	0	...	0	Oct.
44,600	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,320,700	2,400	420,900	0	0	479,300	329	12,300	Total or average
87,600	0	0	0	0	0	0	...	0	1921
155,200	47,000	0	47,000	0	0	0	317	17,100	Jan.
186,000	119,000	0	119,000	0	0	0	340	42,900	Feb.
229,000	261,000	700	261,000	0	0	0	322	90,700	Mar.
156,300	261,000	800	261,000	0	0	0	324	88,400	April
217,500	261,000	1,200	261,000	0	0	0	379	110,100	May
362,300	261,000	1,400	261,000	0	0	0	390	109,900	June
254,500	261,000	1,400	151,500	0	0	0	327	52,000	July
44,100	78,700	100	0	0	0	157,300	...	0	Aug.
0	26,300	0	0	0	0	66,700	...	0	Sept.
0	0	0	0	0	0	0	...	0	Oct.
23,000	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,576,600	5,600	1,361,500	0	0	224,000	344	42,700	Total or average
86,300	0	0	0	0	0	0	...	0	1922
153,900	47,000	0	47,000	0	0	0	321	17,400	Jan.
203,000	119,000	0	119,000	0	0	0	328	41,000	Feb.
187,000	261,000	700	130,500	0	0	0	308	42,800	Mar.
118,300	261,000	700	244,200	0	0	0	367	96,200	April
477,600	261,000	1,900	263,500	50,100	0	0	510	148,900	May
894,000	261,000	3,400	270,600	41,300	0	0	544	156,100	June
848,700	261,000	3,100	261,000	0	0	0	518	144,900	July
669,400	236,000	2,000	236,000	0	0	0	470	124,300	Aug.
474,800	93,000	1,200	93,000	0	0	0	435	43,800	Sept.
412,500	0	800	0	0	0	0	...	0	Oct.
454,100	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	13,800	1,664,900	91,400	0	0	431	68,200	Total or average
545,700	0	0	0	0	0	0	...	0	1923
615,200	47,000	0	47,000	0	0	0	494	27,800	Jan.
638,200	119,000	0	119,000	0	0	0	489	62,900	Feb.
615,100	261,000	1,400	261,000	0	0	0	474	138,500	Mar.
551,700	261,000	1,800	261,000	0	0	0	488	137,800	April
738,900	261,000	2,600	261,000	0	0	0	516	149,300	May
762,300	261,000	3,100	261,000	0	0	0	520	145,300	June
699,200	261,000	2,700	261,000	0	0	0	480	135,500	July
508,100	236,000	1,700	236,000	0	0	0	420	110,800	Aug.
321,300	93,000	1,000	93,000	0	0	0	381	38,200	Sept.
275,600	0	600	0	0	0	0	...	0	Oct.
308,000	0	0	0	0	0	0	...	0	Nov.
									Dec.
	1,800,000	14,900	1,800,000	0	0	0	473	79,000	Total or average

TABLE 10a (Concluded). TEMPERANCE FLAT
COMPARISON OF WATER AND POWER YIELD
Monthly Summary of Computations
(For corresponding yearly sum)

Seasonal irrigation yield 1,800,000 acre-feet. (Supplemented by ground water
Height of dam 595 feet. Capacity of reservoir 1,071,000 acre-feet.

Year and month	Run-off at Friant in acre-feet	Flood control by reservoir operating diagram								
		Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.								
	Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor = 1.00)	
1924										
Jan.	26,900	436,600	0	0	0	0	0	...	0	0
Feb.	22,600	463,500	47,000	0	47,000	0	0	445	24,100	0
Mar.	25,800	439,100	119,000	0	119,000	0	0	419	54,000	0
April	83,300	345,900	261,000	1,000	261,000	0	0	356	102,600	0
May	152,000	167,200	261,000	800	109,400	0	0	304	34,100	0
June	37,800	57,400	35,100	100	0	0	165,900	...	0	0
July	20,600	0	20,600	0	0	0	240,400	...	0	0
Aug.	16,200	0	16,200	0	0	0	244,800	...	0	0
Sept.	12,700	0	12,700	0	0	0	223,300	...	0	0
Oct.	11,700	0	11,700	0	0	0	81,300	...	0	0
Nov.	27,800	0	0	0	0	0	0	...	0	0
Dec.	28,700	27,800	0	0	0	0	0	...	0	0
Total or average	466,100	844,300	1,900	536,400	0	0	955,700	394	17,800	0
1925										
Jan.	27,100	56,500	0	0	0	0	0	...	0	0
Feb.	77,800	83,900	47,000	0	0	0	0	...	0	0
Mar.	94,700	114,400	119,000	0	0	0	0	...	0	0
April	196,000	90,100	261,000	400	0	0	0	...	0	0
May	364,000	24,700	261,000	200	0	0	0	...	0	0
June	281,000	127,500	261,000	800	60,900	0	0	298	19,000	0
July	151,000	146,700	261,000	1,100	50,500	0	0	298	15,300	0
Aug.	65,800	35,600	161,300	100	0	0	159,700	...	0	0
Sept.	37,100	0	37,100	0	0	0	198,900	...	0	0
Oct.	39,200	0	39,200	0	0	0	53,800	...	0	0
Nov.	38,900	0	0	0	0	0	0	...	0	0
Dec.	40,800	38,900	0	0	0	0	0	...	0	0
Total or average	1,413,400	1,387,600	2,600	111,400	0	0	412,400	298	2,900	0
Total for 18-year period, 1908-1926	32,675,600	28,984,500	219,800	25,010,400	3,530,700	442,500	3,415,500	...		
Average for 18-year period, 1908-1926	1,815,300	1,610,300	12,200	1,389,500	196,100	24,600	189,700	484	61,400	

RESERVOIR ON SAN JOAQUIN RIVER.

FOR TWO METHODS OF FLOOD CONTROL.

Carried out on a Daily Basis.

mary, see Table 10, page 136.)

supply in years of deficiency. No deduction for downstream prior rights.)

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Flood control, holding maximum space required (rain-water floods, 133,000 ac.-ft.;
snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season
Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.

Stage of reservoir at beginning of month in acre-feet	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Evaporation in acre-feet	Power draft through turbines in acre-feet	Release through flood control outlets in acre-feet	Waste over spillway in acre-feet	Deficiency in irrigation supply in acre-feet	Average power head through period of operation in feet	Average power yield in kilowatts (Load factor=1.00)	Year and month
1924									
335,700	0	0	0	0	0	0	...	0	Jan.
362,600	47,000	0	47,000	0	0	0	409	22,390	Feb.
338,200	119,000	0	119,000	0	0	0	380	48,700	Mar.
245,000	261,000	800	147,900	0	0	0	323	51,500	April
66,500	218,200	300	0	0	0	42,800	...	0	May
0	37,800	0	0	0	0	223,200	...	0	June
0	20,600	0	0	0	0	240,400	...	0	July
0	16,200	0	0	0	0	244,800	...	0	Aug.
0	12,700	0	0	0	0	223,300	...	0	Sept.
0	11,700	0	0	0	0	81,300	...	0	Oct.
0	0	0	0	0	0	0	...	0	Nov.
27,800	0	0	0	0	0	0	...	0	Dec.
	744,200	1,100	313,900	0	0	1,055,800	378	10,100	Total or average
1925									
56,500	0	0	0	0	0	0	...	0	Jan.
83,600	47,000	0	0	0	0	0	...	0	Feb.
114,400	119,000	0	0	0	0	0	...	0	Mar.
90,100	261,000	400	0	0	0	0	...	0	April
24,700	261,000	200	0	0	0	0	...	0	May
127,500	261,000	800	60,900	0	0	0	298	19,000	June
146,700	261,000	1,100	50,500	0	0	0	298	15,300	July
35,600	101,300	100	0	0	0	159,700	...	0	Aug.
0	37,100	0	0	0	0	198,900	...	0	Sept.
0	39,200	0	0	0	0	53,800	...	0	Oct.
0	0	0	0	0	0	0	...	0	Nov.
38,900	0	0	0	0	0	0	...	0	Dec.
	1,387,600	2,600	111,400	0	0	412,400	298	2,900	Total or average
	28,705,100	200,900	24,491,100	4,208,400	4,200	3,694,900			Total for 18-year period, 1908-1926
	1,594,700	11,200	1,360,600	233,800	200	205,300	467	58,300	Average for 18-year period, 1908-1926

TABLE 11a. TEMPERANCE FLAT RESERVOIR ON SAN JOAQUIN RIVER.
SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 9a and 10a.

(For corresponding yearly summary, see Table 11, page 138.)

Height of dam 595 feet.

Capacity of reservoir 1,071,000 acre-feet.

Seasonal irrigation yield, 1,800,000 acre-feet. (Supplemented by ground water supply in years of deficiency. No deduction for downstream prior rights).

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.			Flood control, holding maximum reservoir space required (rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.		
	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor = 1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor = 1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor = 1.00)
1908									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	29,200	47,000	0	29,200	47,000	0	29,200
Mar.	119,000	0	68,400	119,000	0	68,400	119,000	0	68,400
April	261,000	0	152,400	261,000	0	152,400	261,000	0	152,400
May	261,000	0	145,800	261,000	0	145,800	261,000	0	145,800
June	261,000	0	146,900	261,000	0	146,900	261,000	0	146,900
July	261,000	0	135,100	261,000	0	135,100	261,000	0	135,100
Aug.	261,000	0	121,100	261,000	0	121,100	261,000	0	121,100
Sept.	236,000	0	86,800	236,000	0	86,800	236,000	0	86,800
Oct.	93,000	0	0	93,000	0	0	93,000	0	0
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	73,800	1,800,000	0	73,800	1,800,000	0	73,800
1909									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	24,700	47,000	0	24,700	47,000	0	24,700
Mar.	119,000	0	59,300	119,000	0	59,300	119,000	0	59,300
April	261,000	0	134,200	261,000	0	134,200	261,000	0	134,200
May	261,000	0	147,700	261,000	0	150,300	261,000	0	151,500
June	261,000	0	164,200	261,000	0	164,400	261,000	0	164,400
July	261,000	0	161,000	261,000	0	156,600	261,000	0	156,900
Aug.	261,000	0	152,400	261,000	0	150,300	261,000	0	144,400
Sept.	236,000	0	134,200	236,000	0	131,400	236,000	0	123,300
Oct.	93,000	0	48,500	93,000	0	47,200	93,000	0	43,300
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	85,800	1,800,000	0	85,100	1,800,000	0	83,700
1910									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	31,500	47,000	0	57,600	47,000	0	30,400
Mar.	119,000	0	109,700	119,000	0	73,800	119,000	0	81,200
April	261,000	0	163,500	261,000	0	162,600	261,000	0	159,000
May	261,000	0	164,400	261,000	0	164,400	261,000	0	164,400
June	261,000	0	162,600	261,000	0	157,400	261,000	0	156,700
July	261,000	0	152,300	261,000	0	145,200	261,000	0	144,000
Aug.	261,000	0	142,900	261,000	0	132,700	261,000	0	131,000
Sept.	236,000	0	120,400	236,000	0	104,900	236,000	0	104,200
Oct.	93,000	0	42,200	93,000	0	35,500	93,000	0	34,000
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	91,100	1,800,000	0	86,200	1,800,000	0	83,900

TABLE 11a (Continued). TEMPERANCE FLAT RESERVOIR ON SAN JOAQUIN RIVER.

SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 9a and 10a.

(For corresponding yearly summary, see Table 11, page 138.)

Height of dam 595 feet.

Capacity of reservoir 1,071,000 acre-feet.

Seasonal irrigation yield, 1,800,000 acre-feet. (Supplemented by ground water supply in years of deficiency. No deduction for downstream prior rights).

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.			Flood control, holding maximum reservoir space required (rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.		
	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor = 1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor = 1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor = 1.00)
1911									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	29,200	47,000	0	27,500	47,000	0	27,200
Mar.	119,000	0	69,900	119,000	0	66,700	119,000	0	66,300
April	261,000	0	164,300	261,000	0	158,900	261,000	0	158,500
May	261,000	0	164,400	261,000	0	164,000	261,000	0	164,400
June	261,000	0	164,400	261,000	0	164,400	261,000	0	164,400
July	261,000	0	163,400	261,000	0	163,300	261,000	0	160,400
Aug.	261,000	0	155,200	261,000	0	155,200	261,000	0	154,800
Sept.	236,000	0	138,200	236,000	0	138,200	236,000	0	137,500
Oct.	93,000	0	50,700	93,000	0	50,700	93,000	0	50,400
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	91,900	1,800,000	0	91,000	1,800,000	0	90,600
1912									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	28,000	47,000	0	28,000	47,000	0	27,900
Mar.	119,000	0	64,700	119,000	0	64,700	119,000	0	64,400
April	261,000	0	136,700	261,000	0	136,700	261,000	0	135,600
May	261,000	0	121,800	261,000	0	121,800	261,000	0	120,600
June	261,000	0	137,900	261,000	0	137,900	261,000	0	130,800
July	261,000	0	125,800	261,000	0	125,800	261,000	0	124,700
Aug.	261,000	0	102,700	261,000	0	102,700	261,000	0	101,100
Sept.	198,100	37,900	12,800	198,100	37,900	12,800	187,700	48,300	7,500
Oct.	17,800	75,200	0	17,800	75,200	0	17,800	75,200	0
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,686,900	113,100	60,900	1,686,900	113,100	60,900	1,676,500	123,500	59,900
1913									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	0	47,000	0	0	47,000	0	0
Mar.	79,300	39,700	0	79,300	39,700	0	79,300	39,700	0
April	95,800	165,200	0	95,800	165,200	0	95,800	165,200	0
May	219,200	41,800	0	219,200	41,800	0	219,200	41,800	0
June	197,700	63,300	0	197,700	63,300	0	197,700	63,300	0
July	102,000	159,000	0	102,000	159,000	0	102,000	159,000	0
Aug.	68,900	192,100	0	68,900	192,100	0	68,900	192,100	0
Sept.	40,600	195,400	0	40,600	195,400	0	40,600	195,400	0
Oct.	12,800	80,200	0	12,800	80,200	0	12,800	80,200	0
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	863,300	936,700	0	863,300	936,700	0	863,300	936,700	0

TABLE 11a (Continued). TEMPERANCE FLAT RESERVOIR ON
SAN JOAQUIN RIVER.SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 9a and 10a.

(For corresponding yearly summary, see Table 11, page 138.)

Height of dam 595 feet.

Capacity of reservoir 1,071,000 acre-feet.

Seasonal irrigation yield, 1,800,000 acre-feet. (Supplemented by ground water supply in years of deficiency. No deduction for downstream prior rights).

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.			Flood control, holding maximum reservoir space requiree (rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.		
	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)
1914									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	22,800	47,000	0	22,800	47,000	0	22,800
Mar.	119,000	0	56,600	119,000	0	56,600	119,000	0	56,600
April	261,000	0	138,800	261,000	0	138,800	261,000	0	138,800
May	261,000	0	145,300	261,000	0	146,800	261,000	0	147,200
June	261,000	0	163,800	261,000	0	164,400	261,000	0	164,400
July	261,000	0	162,500	261,000	0	158,600	261,000	0	157,900
Aug.	261,000	0	156,100	261,000	0	156,100	261,000	0	149,700
Sept.	236,000	0	139,300	236,000	0	139,000	236,000	0	131,900
Oct.	93,000	0	51,300	93,000	0	51,200	93,000	0	47,800
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	86,600	1,800,000	0	86,400	1,800,000	0	85,000
1915									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	29,800	47,000	0	29,600	47,000	0	28,100
Mar.	119,000	0	68,100	119,000	0	67,900	119,000	0	64,400
April	261,000	0	153,100	261,000	0	152,800	261,000	0	144,600
May	261,000	0	149,900	261,000	0	151,100	261,000	0	142,100
June	261,000	0	163,300	261,000	0	164,400	261,000	0	161,900
July	261,000	0	160,800	261,000	0	156,500	261,000	0	156,900
Aug.	261,000	0	153,000	261,000	0	150,700	261,000	0	147,200
Sept.	236,000	0	134,600	236,000	0	131,400	236,000	0	123,800
Oct.	93,000	0	48,800	93,000	0	47,000	93,000	0	43,500
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	88,700	1,800,000	0	87,800	1,800,000	0	84,600
1916									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	29,000	47,000	0	28,400	47,000	0	27,300
Mar.	119,000	0	97,000	119,000	0	72,000	119,000	0	73,800
April	261,000	0	164,400	261,000	0	164,400	261,000	0	161,900
May	261,000	0	164,400	261,000	0	164,400	261,000	0	164,400
June	261,000	0	164,400	261,000	0	164,300	261,000	0	164,400
July	261,000	0	161,300	261,000	0	155,400	261,000	0	157,400
Aug.	261,000	0	153,800	261,000	0	151,700	261,000	0	146,100
Sept.	236,000	0	135,800	236,000	0	133,300	236,000	0	125,800
Oct.	93,000	0	50,100	93,000	0	48,900	93,000	0	45,400
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	93,500	1,800,000	0	90,300	1,800,000	0	89,000

TABLE 11a (Continued). TEMPERANCE FLAT RESERVOIR ON
SAN JOAQUIN RIVER.SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH
WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 9a and 10a.

(For corresponding yearly summary, see Table 11, page 138.)

Height of dam 595 feet.

Capacity of reservoir 1,071,000 acre-feet.

Seasonal irrigation yield, 1,800,000 acre-feet. (Supplemented by ground water supply in years of deficiency. No deduction for downstream prior rights).

Installed capacity of power plant 220,000 k.v.a. P.F.=0.80.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.			Flood control, holding maximum reservoir space required (rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.		
	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)
1917									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	29,500	47,000	0	28,900	47,000	0	27,500
Mar.	119,000	0	68,400	119,000	0	67,300	119,000	0	64,400
April	261,000	0	152,500	261,000	0	149,700	261,000	0	142,400
May	261,000	0	149,600	261,000	0	147,400	261,000	0	140,900
June	261,000	0	162,600	261,000	0	161,400	261,000	0	159,400
July	261,000	0	159,100	261,000	0	159,100	261,000	0	154,000
Aug.	261,000	0	152,200	261,000	0	152,200	261,000	0	148,900
Sept.	236,000	0	133,200	236,000	0	133,200	236,000	0	121,800
Oct.	93,000	0	48,000	93,000	0	48,000	93,000	0	42,500
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	88,100	1,800,000	0	87,500	1,800,000	0	83,700
1918									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	27,200	47,000	0	27,200	47,000	0	24,400
Mar.	119,000	0	62,200	119,000	0	62,200	119,000	0	55,500
April	261,000	0	139,300	261,000	0	139,300	261,000	0	122,900
May	261,000	0	132,900	261,000	0	132,900	261,000	0	117,100
June	261,000	0	147,800	261,000	0	147,800	261,000	0	135,600
July	261,000	0	144,600	261,000	0	144,600	261,000	0	133,600
Aug.	261,000	0	132,100	261,000	0	132,100	261,000	0	116,000
Sept.	236,000	0	106,100	236,000	0	106,100	236,000	0	63,100
Oct.	93,000	0	38,300	93,000	0	38,300	93,000	0	5,400
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	77,700	1,800,000	0	77,700	1,800,000	0	64,600
1919									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	24,300	47,000	0	24,300	47,000	0	20,100
Mar.	119,000	0	55,000	119,000	0	55,000	119,000	0	45,400
April	261,000	0	118,600	261,000	0	118,600	261,000	0	94,600
May	261,000	0	121,500	261,000	0	121,500	261,000	0	101,600
June	261,000	0	130,600	261,000	0	130,600	261,000	0	112,400
July	261,000	0	109,500	261,000	0	109,500	261,000	0	52,200
Aug.	250,300	10,700	30,800	250,300	10,700	30,800	81,400	179,600	0
Sept.	23,000	213,000	0	23,000	213,000	0	23,000	213,000	0
Oct.	22,400	70,600	0	22,400	70,600	0	22,400	70,600	0
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,505,700	294,300	49,200	1,505,700	294,300	49,200	1,336,800	463,200	35,500

TABLE 11a (Continued). TEMPERANCE FLAT RESERVOIR ON
SAN JOAQUIN RIVER.SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH

WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 9a and 10a.

(For corresponding yearly summary, see Table 11, page 138.)

Height of dam 595 feet.

Capacity of reservoir 1,071,000 acre-feet.

Seasonal irrigation yield, 1,800,000 acre-feet. (Supplemented by ground water supply in years of deficiency. No deduction for downstream prior rights).

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.			Flood control, holding maximum reservoir space required (rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.		
	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor=1.00)
1920									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	0	47,000	0	0	47,000	0	0
Mar.	119,000	0	0	119,000	0	0	119,000	0	0
April	198,000	63,000	0	198,000	63,000	0	198,000	63,000	0
May	259,600	1,400	2,600	259,600	1,400	2,600	259,600	1,400	2,600
June	261,000	0	95,700	261,000	0	95,700	261,000	0	95,700
July	261,000	0	50,500	261,000	0	50,500	261,000	0	50,500
Aug.	108,900	152,100	0	108,900	152,100	0	108,900	152,100	0
Sept.	29,200	206,800	0	29,200	206,800	0	29,200	206,800	0
Oct.	37,000	56,000	0	37,000	56,000	0	37,000	56,000	0
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,320,700	479,300	12,300	1,320,700	479,300	12,300	1,320,700	479,300	12,300
1921									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	17,100	47,000	0	17,100	47,000	0	17,100
Mar.	119,000	0	42,900	119,000	0	42,900	119,000	0	42,900
April	261,000	0	90,700	261,000	0	90,700	261,000	0	90,700
May	261,000	0	88,400	261,000	0	88,400	261,000	0	88,400
June	261,000	0	110,100	261,000	0	110,100	261,000	0	110,100
July	261,000	0	109,900	261,000	0	109,900	261,000	0	109,900
Aug.	261,000	0	52,000	261,000	0	52,000	261,000	0	52,000
Sept.	78,700	157,300	0	78,700	157,300	0	78,700	157,300	0
Oct.	26,300	66,700	0	26,300	66,700	0	26,300	66,700	0
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,576,000	224,000	42,700	1,576,000	224,000	42,700	1,576,000	224,000	42,700
1922									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	17,400	47,000	0	17,400	47,000	0	17,400
Mar.	119,000	0	41,000	119,000	0	41,000	119,000	0	41,000
April	261,000	0	42,800	261,000	0	42,800	261,000	0	42,800
May	261,000	0	96,200	261,000	0	96,200	261,000	0	96,200
June	261,000	0	148,300	261,000	0	148,300	261,000	0	148,900
July	261,000	0	154,600	261,000	0	154,600	261,000	0	156,100
Aug.	261,000	0	150,000	261,000	0	150,000	261,000	0	144,900
Sept.	236,000	0	131,000	236,000	0	131,000	236,000	0	124,300
Oct.	93,000	0	46,900	93,000	0	46,900	93,000	0	43,800
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	69,300	1,800,000	0	69,300	1,800,000	0	68,200

TABLE 11a (Concluded). TEMPERANCE FLAT RESERVOIR ON
SAN JOAQUIN RIVER.SUMMARY OF WATER AND POWER YIELD BY MONTHS
BOTH WITH AND WITHOUT FLOOD CONTROL.

Summary of Tables 9a and 10a.

(For corresponding yearly summary, see Table 11, page 138.)

Height of dam 595 feet.

Capacity of reservoir 1,071,000 acre-feet.

Seasonal irrigation yield, 1,800,000 acre-feet. (Supplemented by ground water supply in years of deficiency. No deduction for downstream prior rights).

Installed capacity of power plant 220,000 k.v.a. P.F. = 0.80.

Year and month	Without flood control			Coordinated with flood control by reservoir operating diagram Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft. Maximum reservoir space required—rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.			Flood control, holding maximum reservoir space required (rain-water floods, 133,000 ac.-ft.; snow-water floods, 177,000 ac.-ft.) in reserve throughout flood season Maximum controlled flow at Friant—rain-water floods, 10,700 sec.-ft.; snow-water floods, 14,200 sec.-ft.		
	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor = 1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor = 1.00)	Irrigation draft in acre-feet (no deduction for downstream prior rights)	Deficiency in irrigation supply in acre-feet	Average power yield in kilowatts (Load factor = 1.00)
1923									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	29,000	47,000	0	29,000	47,000	0	27,800
Mar.	119,000	0	65,600	119,000	0	65,600	119,000	0	62,900
April	261,000	0	145,400	261,000	0	145,400	261,000	0	138,500
May	261,000	0	143,800	261,000	0	143,800	261,000	0	137,800
June	261,000	0	154,200	261,000	0	154,200	261,000	0	149,300
July	261,000	0	149,500	261,000	0	149,500	261,000	0	145,300
Aug.	261,000	0	142,300	261,000	0	142,300	261,000	0	135,500
Sept.	236,000	0	119,900	236,000	0	119,900	236,000	0	110,800
Oct.	93,000	0	42,200	93,000	0	42,200	93,000	0	38,200
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,800,000	0	82,900	1,800,000	0	82,900	1,800,000	0	79,000
1924									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	24,100	47,000	0	24,100	47,000	0	22,300
Mar.	119,000	0	54,000	119,000	0	54,000	119,000	0	48,700
April	261,000	0	102,600	261,000	0	102,600	261,000	0	51,500
May	261,000	0	34,100	261,000	0	34,100	218,200	42,800	0
June	95,100	165,900	0	95,100	165,900	0	37,800	223,200	0
July	20,600	240,400	0	20,600	240,400	0	20,600	240,400	0
Aug.	16,200	244,800	0	16,200	244,800	0	16,200	244,800	0
Sept.	12,700	223,300	0	12,700	223,300	0	12,700	223,300	0
Oct.	11,700	81,300	0	11,700	81,300	0	11,700	81,300	0
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	844,300	955,700	17,800	844,300	955,700	17,800	744,200	1,055,800	10,100
1925									
Jan.	0	0	0	0	0	0	0	0	0
Feb.	47,000	0	0	47,000	0	0	47,000	0	0
Mar.	119,000	0	0	119,000	0	0	119,000	0	0
April	261,000	0	0	261,000	0	0	261,000	0	0
May	261,000	0	0	261,000	0	0	261,000	0	0
June	261,000	0	19,000	261,000	0	19,000	261,000	0	19,000
July	261,000	0	15,300	261,000	0	15,300	261,000	0	15,300
Aug.	101,300	159,700	0	101,300	159,700	0	101,300	159,700	0
Sept.	37,100	198,900	0	37,100	198,900	0	37,100	198,900	0
Oct.	39,200	53,800	0	39,200	53,800	0	39,200	53,800	0
Nov.	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0
Total or average	1,387,600	412,400	2,900	1,387,600	412,400	2,900	1,387,600	412,400	2,900
Total for 18-year period, 1908-1926	28,984,500	3,415,500		28,984,500	3,415,500		28,705,100	3,694,900	
Average for 18-year period, 1908-1926	1,610,300	189,700	62,000	1,610,300	189,700	61,400	1,594,700	205,300	58,300

ASSUMPTIONS EMPLOYED IN COMPUTING WATER YIELD OF SAN GABRIEL RESERVOIR ON SAN GABRIEL RIVER ON A DAILY BASIS

1. Water supply at dam site is the same as that measured at the Azusa gaging station of the United States Geological Survey and published, or in preparation for publication, as mean daily discharges in the Water Supply Papers, except that the first 152 second-feet of natural flow is deducted for downstream prior rights.

2. The reservoir is assumed to have all space filled below the 117,350 acre-feet flood control reserve of January 1, 1897. This was later found to be an improbable condition for 240,000 acre-feet of capacity employed for flood control, seasonal and over-year storage coordinated, but quite probable for 180,000 acre-feet of capacity or less. Tables 13 and 13a show a yield of 41 second-feet continuous flow on this assumption for 240,000 acre-feet of capacity, but the period ends with 61,300 acre-feet less water in storage than at the beginning. The exact yield in continuous flow for the period analyzed is 32 second-feet. The exact yield in flood control and seasonally stored water for the period is 22,300 and 25,900 acre-feet per season, respectively. It is given as 30,000 and 13,800 acre-feet per season, respectively, in Tables 13 and 13a. The yield in continuous flow of 240,000 acre-feet of capacity with such water in storage on January 1, 1897, as probably could have accumulated during the seasons immediately preceding 1897, is closer to the 41 second-feet of Tables 13 and 13a than to 32 second-feet, the exact yield for the period of analysis. The exact yields of the period of analysis are used in the text for comparative purposes in order to place the information compared on the same basis.

3. The net evaporation from the reservoir surface equals 4.0 feet depth per annum, divided among the months as follows:

Month	Depth in feet	Per cent of seasonal total
April	0.37	9.2
May	0.50	12.6
June	0.60	15.0
July	0.71	17.8
August	0.66	16.6
September	0.51	12.7
October	0.39	9.6
November	0.26	6.5
Totals	4.00	100.0

RECEIVED BY AIR MAIL

DEPT. OF AGRICULTURE

WASHINGTON, D. C.

NOV. 10, 1917

TO THE DIRECTOR, BUREAU OF PLANT INDUSTRY

FROM THE DIRECTOR, BUREAU OF ENTOMOLOGY

RE: [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

TABLE 12a. SAN GABRIEL RESER

WATER YIELD UNDER

FLOOD CONTROL AND SEAS

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1897										
Jan.	3,617	0	3,617	0	0	0	0	0	3,617	0
Feb.	19,146	0	7,262	4,913	0	0	0	0	7,262	0
Mar.	28,623	6,971	9,344	0	0	0	0	11,884	9,344	0
April	17,519	26,250	9,042	0	4,164	131	0	31,163	9,042	0
May	8,851	30,432	8,126	0	5,963	194	0	34,535	8,126	0
June	4,033	25,000	4,033	0	5,985	206	0	28,236	4,033	0
July	2,343	18,809	2,343	0	6,185	212	0	21,244	2,343	0
Aug.	1,613	12,412	1,613	0	6,185	149	0	14,020	1,613	0
Sept.	1,226	6,078	1,226	0	6,006	72	0	6,855	1,226	0
Oct.	5,564	0	2,622	0	0	0	0	0	2,622	0
Nov.	1,860	2,942	1,860	0	0	20	0	2,942	1,860	0
Dec.	1,875	2,922	1,875	0	0	0	0	2,922	1,875	0
Total or average	96,270		52,963	4,913	34,488	984	0		52,963	0
1898										
Jan.	2,453	2,922	2,453	0	0	0	0	2,922	2,453	0
Feb.	2,241	2,922	2,241	0	0	0	0	2,922	2,241	0
Mar.	2,131	2,922	2,131	0	0	0	0	2,922	2,131	0
April	1,950	2,922	1,950	0	448	34	0	2,922	1,950	0
May	2,213	2,440	2,213	0	462	39	0	2,440	2,213	0
June	1,159	1,939	1,159	0	448	39	0	1,939	1,159	0
July	672	1,452	672	0	464	40	0	1,452	672	0
Aug.	456	948	456	0	462	26	0	948	456	0
Sept.	467	460	467	0	445	12	0	460	467	0
Oct.	533	0	533	0	0	0	0	0	533	0
Nov.	580	0	580	0	0	0	0	0	580	0
Dec.	832	0	832	0	0	0	0	0	832	0
Total or average	15,687		15,687	0	2,732	190	0		15,687	0
1899										
Jan.	1,414	0	1,414	0	0	0	0	0	1,414	0
Feb.	1,244	0	1,244	0	0	0	0	0	1,244	0
Mar.	1,623	0	1,623	0	0	0	0	0	1,623	0
April	1,262	0	1,262	0	0	0	0	0	1,262	0
May	842	0	842	0	0	0	0	0	842	0
June	565	0	565	0	0	0	0	0	565	0
July	221	0	221	0	0	0	0	0	221	0
Aug.	295	0	295	0	0	0	0	0	295	0
Sept.	220	0	220	0	0	0	0	0	220	0
Oct.	683	0	683	0	0	0	0	0	683	0
Nov.	847	0	847	0	0	0	0	0	847	0
Dec.	1,247	0	1,247	0	0	0	0	0	1,247	0
Total or average	10,463		10,463	0	0	0	0		10,463	0

VOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-foot capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,000 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
0	0	0	0	3,617	0	0	0	0	1897
0	0	0	0	7,262	0	0	0	0	Jan.
0	0	0	11,884	9,344	0	0	0	0	Feb.
4,958	147	0	31,163	9,042	0	4,958	147	0	Mar.
6,814	210	0	34,535	8,126	0	6,814	210	0	April
6,770	222	0	28,236	4,033	0	6,770	222	0	May
6,996	228	0	21,244	2,343	0	6,996	228	0	June
6,996	169	0	14,026	1,613	0	6,996	169	0	July
6,770	85	0	6,855	1,226	0	6,770	85	0	Aug.
0	0	0	0	2,622	0	0	0	0	Sept.
0	20	0	2,942	1,860	0	0	20	0	Oct.
0	0	0	2,922	1,875	0	0	0	0	Nov.
									Dec.
39,304	1,081	0		52,963	0	39,304	1,081	0	Total or average
0	0	0	2,922	2,153	0	0	0	0	1898
0	0	0	2,922	2,241	0	0	0	0	Jan.
0	0	0	2,922	2,131	0	0	0	0	Feb.
448	34	0	2,922	1,950	0	448	34	0	Mar.
462	39	0	2,440	2,213	0	462	39	0	April
448	39	0	1,939	1,159	0	448	39	0	May
464	40	0	1,452	672	0	464	40	0	June
462	26	0	948	456	0	462	26	0	July
448	12	0	460	467	0	448	12	0	Aug.
0	0	0	0	533	0	0	0	0	Sept.
0	0	0	0	580	0	0	0	0	Oct.
0	0	0	0	832	0	0	0	0	Nov.
									Dec.
2,732	190	0		15,687	0	2,732	190	0	Total or average
0	0	0	0	1,414	0	0	0	0	1899
0	0	0	0	1,244	0	0	0	0	Jan.
0	0	0	0	1,623	0	0	0	0	Feb.
0	0	0	0	1,262	0	0	0	0	Mar.
0	0	0	0	842	0	0	0	0	April
0	0	0	0	565	0	0	0	0	May
0	0	0	0	221	0	0	0	0	June
0	0	0	0	295	0	0	0	0	July
0	0	0	0	220	0	0	0	0	Aug.
0	0	0	0	683	0	0	0	0	Sept.
0	0	0	0	847	0	0	0	0	Oct.
0	0	0	0	1,247	0	0	0	0	Nov.
									Dec.
0	0	0		10,463	0	0	0	0	Total or average

TABLE 12a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL AND SEAS

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1900										
Jan.	1,968	0	1,968	0	0	0	0	0	1,968	0
Feb.	1,111	0	1,111	0	0	0	0	0	1,111	0
Mar.	1,230	0	1,230	0	0	0	0	0	1,230	0
April	1,012	0	1,012	0	0	0	0	0	1,012	0
May	2,275	0	2,275	0	0	0	0	0	2,275	0
June	893	0	893	0	0	0	0	0	893	0
July	369	0	369	0	0	0	0	0	369	0
Aug.	246	0	246	0	0	0	0	0	246	0
Sept.	238	0	238	0	0	0	0	0	238	0
Oct.	307	0	307	0	0	0	0	0	307	0
Nov.	11,068	0	1,058	0	0	0	0	0	1,058	0
Dec.	1,269	10,010	1,269	0	0	0	0	10,010	1,269	0
Total or average	21,986		11,976	0	0	0	0		11,976	0
1901										
Jan.	10,391	10,010	6,661	12,810	0	0	0	10,010	6,661	0
Feb.	38,709	930	8,350	19,884	0	0	0	13,740	8,350	0
Mar.	13,589	11,405	9,138	0	0	0	0	44,099	9,138	0
April	6,545	15,856	6,545	0	2,499	99	0	48,550	6,545	0
May	7,440	13,258	6,990	0	2,582	117	0	40,600	6,990	0
June	3,749	11,009	3,749	0	2,618	129	0	32,799	3,749	0
July	1,845	8,262	1,845	0	2,704	125	0	24,679	1,845	0
Aug.	1,240	5,433	1,240	0	2,704	79	0	16,295	1,240	0
Sept.	1,012	2,650	1,012	0	2,610	40	0	7,971	1,012	0
Oct.	1,476	0	1,476	0	0	0	0	0	1,476	0
Nov.	1,904	0	1,904	0	0	0	0	0	1,904	0
Dec.	1,660	0	1,660	0	0	0	0	0	1,660	0
Total or average	89,560		50,570	32,694	15,717	589	0		50,570	0
1902										
Jan.	1,722	0	1,722	0	0	0	0	0	1,722	0
Feb.	2,055	0	2,055	0	0	0	0	0	2,055	0
Mar.	6,088	0	5,590	0	0	0	0	0	5,590	0
April	3,928	498	3,928	0	72	8	0	498	3,928	0
May	2,398	418	2,398	0	73	11	0	418	2,398	0
June	1,190	334	1,190	0	72	12	0	334	1,190	0
July	676	250	676	0	74	12	0	250	676	0
Aug.	430	164	430	0	74	12	0	164	430	0
Sept.	298	78	298	0	72	6	0	78	298	0
Oct.	430	0	430	0	0	0	0	0	430	0
Nov.	1,131	0	1,131	0	0	0	0	0	1,131	0
Dec.	1,968	0	1,968	0	0	0	0	0	1,968	0
Total or average	22,314		21,816	0	437	61	0		21,816	0

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-feet capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
0	0	0	0	1,968	0	0	0	0	1900
0	0	0	0	1,111	0	0	0	0	Jan.
0	0	0	0	1,230	0	0	0	0	Feb.
0	0	0	0	1,012	0	0	0	0	Mar.
0	0	0	0	2,275	0	0	0	0	April
0	0	0	0	893	0	0	0	0	May
0	0	0	0	369	0	0	0	0	June
0	0	0	0	246	0	0	0	0	July
0	0	0	0	238	0	0	0	0	Aug.
0	0	0	0	307	0	0	0	0	Sept.
0	0	0	0	1,058	0	0	0	0	Oct.
0	0	0	10,010	1,269	0	0	0	0	Nov.
0	0	0			0	0	0	0	Dec.
0	0	0		11,976	0	0	0	0	Total or average
0	0	0							1901
0	0	0	10,010	6,861	0	0	0	0	Jan.
0	0	0	13,740	8,350	0	0	0	0	Feb.
0	0	0	44,099	9,138	0	0	0	0	Mar.
7,763	187	0	48,550	6,545	0	7,763	187	0	April
8,023	228	0	40,600	6,990	0	8,023	228	0	May
7,878	242	0	32,799	3,749	0	7,878	242	0	June
8,140	244	0	24,679	1,845	0	8,140	244	0	July
8,140	184	0	16,295	1,240	0	8,140	184	0	Aug.
7,878	93	0	7,971	1,012	0	7,878	93	0	Sept.
0	0	0	0	1,476	0	0	0	0	Oct.
0	0	0	0	1,904	0	0	0	0	Nov.
0	0	0	0	1,660	0	0	0	0	Dec.
47,822	1,178	0		50,570	0	47,822	1,178	0	Total or average
0	0	0							1902
0	0	0	0	1,722	0	0	0	0	Jan.
0	0	0	0	2,055	0	0	0	0	Feb.
0	0	0	0	5,590	0	0	0	0	Mar.
72	8	0	498	3,928	0	72	8	0	April
73	11	0	418	2,398	0	73	11	0	May
72	12	0	334	1,190	0	72	12	0	June
74	12	0	250	676	0	74	12	0	July
74	12	0	164	430	0	74	12	0	Aug.
72	6	0	78	298	0	72	6	0	Sept.
0	0	0	0	430	0	0	0	0	Oct.
0	0	0	0	1,131	0	0	0	0	Nov.
0	0	0	0	1,968	0	0	0	0	Dec.
437	61	0		21,816	0	437	61	0	Total or average

TABLE 12a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL AND SEAS

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1903										
Jan.	9,100	0	2,536	4,856	0	0	0	0	2,536	0
Feb.	5,665	1,708	5,497	1,189	0	0	0	6,554	5,497	0
Mar.	15,832	687	7,898	0	0	0	0	6,732	7,898	0
April	47,127	8,591	9,042	0	1,344	67	0	14,636	9,042	0
May	13,343	45,265	9,116	0	8,963	244	0	59,322	9,116	0
June	5,653	40,285	5,653	0	9,703	272	0	44,322	5,653	0
July	2,644	30,310	2,644	0	10,026	279	0	33,358	2,644	0
Aug.	1,783	20,014	1,783	0	10,026	202	0	22,039	1,783	0
Sept.	1,488	9,786	1,488	0	9,085	101	0	10,789	1,488	0
Oct.	1,476	0	1,476	0	0	0	0	0	1,476	0
Nov.	1,428	0	1,428	0	0	0	0	0	1,428	0
Dec.	1,476	0	1,476	0	0	0	0	0	1,476	0
Total or average	106,985		50,037	6,045	49,747	1,155	0		50,037	0
1904										
Jan.	1,500	0	1,500	0	0	0	0	0	1,500	0
Feb.	2,744	0	2,177	0	0	0	0	0	2,177	0
Mar.	6,813	567	4,724	0	0	0	0	537	4,724	0
April	5,337	2,653	5,337	0	407	29	0	2,656	5,337	0
May	4,089	2,220	4,089	0	420	37	0	2,220	4,089	0
June	1,517	1,763	1,517	0	407	36	0	1,763	1,517	0
July	851	1,320	861	0	420	36	0	1,320	861	0
Aug.	793	864	793	0	420	24	0	864	793	0
Sept.	643	420	643	0	408	12	0	420	643	0
Oct.	738	0	738	0	0	0	0	0	738	0
Nov.	762	0	762	0	0	0	0	0	762	0
Dec.	1,039	0	1,039	0	0	0	0	0	1,039	0
Total or average	26,836		24,180	0	2,482	174	0		24,180	0
1905										
Jan.	2,251	0	2,251	0	0	0	0	0	2,251	0
Feb.	25,880	0	8,206	11,798	0	0	0	0	8,206	0
Mar.	75,140	5,876	9,281	18,198	0	0	0	17,874	9,281	0
April	19,580	53,537	9,042	0	8,727	197	0	83,533	9,042	0
May	17,090	55,151	9,344	0	10,942	274	0	80,378	9,344	0
June	8,271	51,681	7,960	0	12,475	313	0	71,790	7,960	0
July	5,103	39,204	5,103	0	12,989	313	0	54,358	5,103	0
Aug.	2,631	25,902	2,631	0	12,989	232	0	35,935	2,631	0
Sept.	1,869	12,681	1,869	0	12,560	121	0	17,612	1,839	0
Oct.	1,770	0	1,770	0	0	0	0	0	1,770	0
Nov.	2,660	0	2,660	0	0	0	0	0	2,660	0
Dec.	2,470	0	2,470	0	0	0	0	0	2,470	0
Total or average	164,715		62,587	29,996	70,682	1,450	0		62,587	0

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-feet capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
1903									
0	0	0	0	2,536	0	0	0	0	Jan.
0	0	0	6,564	5,497	0	0	0	0	Feb.
0	0	0	6,732	7,898	0	0	0	0	Mar.
2,304	95	0	14,636	9,042	0	2,304	95	0	April
9,969	258	0	50,322	9,116	0	9,969	258	0	May
10,676	288	0	44,322	5,653	0	10,676	288	0	June
11,030	289	0	33,358	2,644	0	11,030	289	0	July
11,030	220	0	22,039	1,783	0	11,030	220	0	Aug.
10,676	113	0	10,789	1,488	0	10,676	113	0	Sept.
0	0	0	0	1,476	0	0	0	0	Oct.
0	0	0	0	1,428	0	0	0	0	Nov.
0	0	0	0	1,476	0	0	0	0	Dec.
55,685	1,263	0		50,037	0	55,685	1,263	0	Total or average
1904									
0	0	0	0	1,500	0	0	0	0	Jan.
0	0	0	0	2,177	0	0	0	0	Feb.
0	0	0	567	4,724	0	0	0	0	Mar.
407	29	0	2,656	5,337	0	407	29	0	April
420	37	0	2,220	4,089	0	420	37	0	May
407	36	0	1,763	1,517	0	407	36	0	June
420	36	0	1,320	861	0	420	36	0	July
420	24	0	864	793	0	420	24	0	Aug.
408	12	0	420	643	0	408	12	0	Sept.
0	0	0	0	738	0	0	0	0	Oct.
0	0	0	0	762	0	0	0	0	Nov.
0	0	0	0	1,039	0	0	0	0	Dec.
2,482	174	0		24,180	0	2,482	174	0	Total or average
1905									
0	0	0	0	2,251	0	0	0	0	Jan.
0	0	0	0	8,206	0	0	0	0	Feb.
0	0	0	17,674	9,281	0	0	0	0	Mar.
13,429	264	0	83,533	9,042	0	13,429	264	0	April
15,987	347	0	80,378	9,344	0	15,987	347	0	May
17,357	386	0	71,790	7,960	0	17,357	386	0	June
18,039	384	0	54,358	5,103	0	18,039	384	0	July
18,039	284	0	35,935	2,631	0	18,039	284	0	Aug.
17,459	153	0	17,612	1,869	0	17,459	153	0	Sept.
0	0	0	0	1,770	0	0	0	0	Oct.
0	0	0	0	2,660	0	0	0	0	Nov.
0	0	0	0	2,470	0	0	0	0	Dec.
100,310	1,818	0		62,587	0	100,310	1,818	0	Total or average

TABLE 12a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL AND SEAS

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1906										
Jan.	4,240	0	3,633	0	0	0	0	0	3,633	0
Feb.	3,960	607	3,960	0	0	0	0	607	3,960	0
Mar.	129,000	607	7,551	24,303	0	0	0	607	7,551	2,864
April	34,600	97,743	9,042	19,634	11,660	274	0	119,182	9,042	0
May	21,000	91,733	9,344	0	18,263	375	0	125,198	9,344	0
June	15,500	84,751	9,042	0	20,518	426	0	111,414	9,042	0
July	9,350	70,265	8,664	0	22,606	452	0	90,348	8,664	0
Aug.	4,490	47,893	4,490	0	24,086	329	0	60,436	4,490	0
Sept.	2,840	23,478	2,450	0	23,305	173	0	29,637	2,840	0
Oct.	2,450	0	2,450	0	0	0	0	0	2,450	0
Nov.	2,400	0	2,400	0	0	0	0	0	2,400	0
Dec.	11,600	0	4,030	0	0	0	0	0	4,030	0
Total or average	241,430		67,456	43,937	120,438	2,029	0		67,456	2,864
1907										
Jan.	58,400	7,570	9,217	50,881	0	0	0	7,570	9,217	1,881
Feb.	47,100	5,872	8,439	31,125	0	0	0	54,872	8,439	31,125
Mar.	116,000	13,408	9,344	47,166	0	0	0	62,408	9,344	47,166
April	58,400	72,898	9,042	0	11,708	238	0	121,898	9,042	0
May	21,500	110,310	9,344	0	21,989	426	0	151,269	9,344	0
June	15,100	100,051	9,042	0	24,242	478	0	132,686	9,042	0
July	8,360	81,389	7,920	0	27,072	493	0	105,969	7,920	0
Aug.	5,390	54,264	5,390	0	27,300	359	0	70,528	5,390	0
Sept.	3,580	26,605	3,580	0	26,421	184	0	34,589	3,580	0
Oct.	4,090	0	4,090	0	0	0	0	0	4,090	0
Nov.	3,800	0	3,800	0	0	0	0	0	3,800	0
Dec.	3,600	0	3,600	0	0	0	0	0	3,600	0
Total or average	345,320		82,808	129,172	138,732	2,178	0		82,808	80,172
1908										
Jan.	11,100	0	4,973	4,617	0	0	0	0	4,973	0
Feb.	15,000	1,510	8,741	5,141	0	0	0	6,127	8,741	0
Mar.	12,700	2,628	9,255	0	0	0	0	12,386	9,255	0
April	9,280	6,073	8,656	0	952	52	0	15,831	8,656	0
May	7,190	5,693	7,139	0	1,106	69	0	12,860	7,139	0
June	4,190	4,569	4,190	0	1,071	61	0	11,067	4,190	0
July	2,560	3,437	2,560	0	1,106	57	0	8,309	2,560	0
Aug.	2,210	2,274	2,210	0	1,106	36	0	5,465	2,210	0
Sept.	1,820	1,132	1,820	0	1,120	12	0	2,665	1,820	0
Oct.	2,070	0	2,070	0	0	0	0	0	2,070	0
Nov.	1,960	0	1,960	0	0	0	0	0	1,960	0
Dec.	2,870	0	2,870	0	0	0	0	0	2,870	0
Total or average	72,950		56,444	9,758	6,461	287	0		56,444	0

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-feet capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
0	0	0	0	3,633	0	0	0	0	1905
0	0	0	607	3,980	0	0	0	0	Jan.
0	0	0	607	7,561	0	0	0	0	Feb.
19,209	333	0	122,046	9,042	0	19,673	339	0	Mar.
24,974	466	0	127,592	9,344	0	25,454	472	0	April
27,008	516	0	113,322	9,042	0	27,481	492	0	May
30,069	529	0	91,807	8,664	0	30,557	535	0	June
30,416	383	0	61,401	4,490	0	30,906	385	0	July
29,437	200	0	30,110	2,840	0	29,910	200	0	Aug.
0	0	0	0	2,450	0	0	0	0	Sept.
0	0	0	0	2,400	0	0	0	0	Oct.
0	0	0	0	4,030	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
161,113	2,427	0	67,456	67,456	0	163,981	2,423	0	Total or average
0	0	0	7,570	9,217	0	0	0	0	1907
0	0	0	56,753	8,439	0	0	0	0	Jan.
0	0	0	95,414	9,344	20,172	0	0	0	Feb.
19,650	337	0	181,898	9,042	0	20,388	446	0	Mar.
30,209	530	0	201,422	9,344	0	40,265	650	0	April
32,194	581	0	172,663	9,042	0	41,941	700	0	May
35,292	589	0	136,080	7,920	0	45,367	698	0	June
35,517	422	0	90,455	5,390	0	45,589	496	0	July
34,371	218	0	44,370	3,580	0	44,122	248	0	Aug.
0	0	0	0	4,090	0	0	0	0	Sept.
0	0	0	0	3,800	0	0	0	0	Oct.
0	0	0	0	3,600	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
187,233	2,677	0	82,808	82,808	20,172	246,672	3,238	0	Total or average
0	0	0	0	4,973	0	0	0	0	1908
0	0	0	6,127	8,741	0	0	0	0	Jan.
0	0	0	12,386	9,255	0	0	0	0	Feb.
2,496	99	0	15,831	8,656	0	2,496	99	0	Mar.
2,721	123	0	13,860	7,139	0	2,721	123	0	April
2,623	135	0	11,067	4,190	0	2,623	135	0	May
2,711	133	0	8,309	2,560	0	2,711	133	0	June
2,711	89	0	5,465	2,210	0	2,711	89	0	July
2,625	40	0	2,665	1,820	0	2,625	40	0	Aug.
0	0	0	0	2,070	0	0	0	0	Sept.
0	0	0	0	1,960	0	0	0	0	Oct.
0	0	0	0	2,870	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
15,887	619	0	56,444	56,444	0	15,887	619	0	Total or average

TABLE 12a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL AND SEAS

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1909										
Jan.	25,500	0	5,596	19,385	0	0	0	0	5,596	0
Feb.	59,400	519	8,440	42,858	0	0	0	19,904	8,440	13,243
Mar.	26,300	8,621	9,344	0	0	0	0	57,621	9,344	0
April	28,000	25,577	9,042	0	4,063	131	0	74,577	9,042	0
May	15,200	40,341	9,344	0	7,980	228	0	81,312	9,344	0
June	8,570	37,989	8,319	0	9,144	260	0	70,645	8,319	0
July	5,040	28,836	5,040	0	9,528	264	0	53,434	5,040	0
Aug.	3,120	19,044	3,120	0	9,528	196	0	35,323	3,120	0
Sept.	2,320	9,320	2,320	0	9,225	85	0	17,314	2,320	0
Oct.	2,310	0	2,310	0	0	0	0	0	2,310	0
Nov.	2,880	0	2,880	0	0	0	0	0	2,880	0
Dec.	20,900	0	6,346	0	0	0	0	0	6,346	0
Total or average	199,540		72,101	62,243	49,468	1,174	0		72,101	13,243
1910										
Jan.	69,500	14,554	9,344	73,583	0	0	0	14,554	9,344	24,583
Feb.	11,500	1,127	8,435	2,689	0	0	0	59,127	8,435	2,689
Mar.	9,590	1,503	9,029	0	0	0	0	59,503	9,029	0
April	8,270	2,064	8,120	0	321	22	0	51,064	8,120	0
May	5,050	1,871	5,050	0	363	29	0	42,847	5,050	0
June	3,560	1,479	3,560	0	352	14	0	34,134	3,560	0
July	2,450	1,113	2,450	0	363	16	0	25,684	2,450	0
Aug.	1,710	734	1,710	0	363	16	0	16,937	1,710	0
Sept.	1,370	355	1,370	0	355	0	0	8,294	1,370	0
Oct.	1,560	0	1,560	0	0	0	0	0	1,560	0
Nov.	1,870	0	1,870	0	0	0	0	0	1,870	0
Dec.	2,020	0	2,020	0	0	0	0	0	2,020	0
Total or average	118,450		54,518	76,272	2,117	97	0		54,518	27,272
1911										
Jan.	37,200	0	6,441	7,031	0	0	0	0	6,441	0
Feb.	44,300	23,728	8,440	53,874	0	0	0	30,759	8,440	11,905
Mar.	122,000	5,714	9,344	57,434	0	0	0	54,714	9,344	57,434
April	28,200	60,936	9,042	0	9,774	212	0	109,936	9,042	0
May	16,900	70,108	9,344	0	13,936	317	0	111,071	9,344	0
June	7,500	63,111	7,322	0	15,247	357	0	95,757	7,322	0
July	5,230	47,685	5,230	0	15,816	355	0	72,274	5,230	0
Aug.	3,610	31,514	3,610	0	15,816	230	0	47,786	3,610	0
Sept.	2,830	15,438	2,830	0	15,303	135	0	23,427	2,830	0
Oct.	3,140	0	3,140	0	0	0	0	0	3,140	0
Nov.	2,800	0	2,800	0	0	0	0	0	2,800	0
Dec.	2,870	0	2,870	0	0	0	0	0	2,870	0
Total or average	276,280		70,413	118,339	85,892	1,636	0		70,413	69,339

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-feet capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
0	0	0	0	5,596	0	0	0	0	1909
0	0	0	19,904	8,440	0	0	0	0	Jan.
0	0	0	70,864	9,344	0	0	0	0	Feb.
11,979	244	0	87,820	9,042	0	14,127	272	0	Mar.
16,174	349	0	92,379	9,344	0	18,392	381	0	April
17,079	383	0	79,462	8,319	0	19,225	414	0	May
17,731	380	0	60,074	5,040	0	19,949	410	0	June
17,731	278	0	39,715	3,120	0	19,949	295	0	July
17,165	149	0	19,471	2,320	0	19,314	157	0	Aug.
0	0	0	0	2,310	0	0	0	0	Sept.
0	0	0	0	2,880	0	0	0	0	Oct.
0	0	0	0	6,346	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
97,859	1,783	0	72,101	0	0	110,956	1,929	0	Total or average
0	0	0	14,554	9,344	0	0	0	0	1910
0	0	0	74,710	8,435	0	0	0	0	Jan.
0	0	0	77,775	9,029	0	0	0	0	Feb.
8,174	193	0	78,336	8,120	0	12,588	250	0	Mar.
8,475	238	0	65,648	5,050	0	13,036	306	0	April
8,202	248	0	52,306	3,560	0	12,616	317	0	May
8,475	252	0	39,373	2,450	0	13,036	317	0	June
8,475	188	0	26,020	1,710	0	13,036	238	0	July
8,199	95	0	12,746	1,370	0	12,625	121	0	Aug.
0	0	0	0	1,560	0	0	0	0	Sept.
0	0	0	0	1,870	0	0	0	0	Oct.
0	0	0	0	2,020	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
50,000	1,214	0	54,518	0	0	76,937	1,549	0	Total or average
0	0	0	0	6,441	0	0	0	0	1911
0	0	0	30,759	8,440	0	0	0	0	Jan.
0	0	0	66,619	9,344	10,977	0	0	0	Feb.
17,708	315	0	168,298	9,042	0	27,179	423	0	Mar.
22,142	428	0	159,854	9,344	0	31,928	551	0	April
23,195	466	0	134,631	7,322	0	32,670	585	0	May
24,026	462	0	101,554	5,230	0	33,815	573	0	June
24,026	333	0	67,166	3,610	0	33,815	408	0	July
23,250	177	0	32,943	2,830	0	32,733	210	0	Aug.
0	0	0	0	3,140	0	0	0	0	Sept.
0	0	0	0	2,800	0	0	0	0	Oct.
0	0	0	0	2,870	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
134,267	2,181	0	70,413	10,977	0	192,140	2,750	0	Total or average

ALEXANDER

TABLE 12a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL AND SEAS

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1912										
Jan.	2,710	0	2,710	0	0	0	0	0	2,710	0
Feb.	2,230	0	2,230	0	0	0	0	0	2,230	0
Mar.	22,900	0	8,199	0	0	0	0	0	8,199	0
April	18,000	14,701	8,515	0	2,314	95	0	14,701	8,515	0
May	10,900	21,777	8,828	0	4,273	163	0	21,777	8,828	0
June	4,900	19,413	4,900	0	4,634	182	0	19,413	4,900	0
July	3,060	14,597	3,060	0	4,790	184	0	14,597	3,060	0
Aug.	1,960	9,623	1,960	0	4,790	135	0	9,623	1,960	0
Sept.	1,550	4,698	1,550	0	4,634	64	0	4,698	1,550	0
Oct.	1,830	0	1,830	0	0	0	0	0	1,830	0
Nov.	1,730	0	1,730	0	0	0	0	0	1,730	0
Dec.	1,760	0	1,760	0	0	0	0	0	1,760	0
Total or average	73,620		47,362	0	25,435	823	0		47,362	0
1913										
Jan.	2,910	0	2,910	0	0	0	0	0	2,910	0
Feb.	13,200	0	4,753	0	0	0	0	0	4,753	0
Mar.	10,200	8,447	8,759	0	0	0	0	8,447	8,759	0
April	7,140	9,888	7,091	0	1,547	75	0	9,888	7,091	0
May	4,970	8,315	4,970	0	1,608	93	0	8,315	4,970	0
June	2,890	6,614	2,890	0	1,557	95	0	6,614	2,890	0
July	1,690	4,962	1,690	0	1,607	93	0	4,962	1,690	0
Aug.	1,070	3,262	1,070	0	1,607	68	0	3,262	1,070	0
Sept.	893	1,587	893	0	1,555	32	0	1,587	893	0
Oct.	910	0	910	0	0	0	0	0	910	0
Nov.	2,280	0	2,280	0	0	0	0	0	2,280	0
Dec.	2,170	0	2,170	0	0	0	0	0	2,170	0
Total or average	50,323		40,386	0	9,481	456	0		40,386	0
1914										
Jan.	61,400	0	6,271	41,989	0	0	0	0	6,271	1,248
Feb.	121,000	13,140	8,440	59,505	0	0	0	53,881	8,440	51,246
Mar.	48,000	66,195	9,344	53,083	0	0	0	115,195	9,344	53,083
April	21,400	51,768	9,042	0	8,291	193	0	100,768	9,042	0
May	16,900	55,642	9,344	0	11,077	274	0	96,603	9,344	0
June	9,580	51,847	8,585	0	12,509	313	0	84,529	8,585	0
July	5,570	40,020	5,570	0	13,258	317	0	64,634	5,570	0
Aug.	3,630	26,445	3,630	0	13,258	238	0	42,731	3,630	0
Sept.	2,730	12,949	2,730	0	12,826	123	0	20,945	2,730	0
Oct.	2,770	0	2,770	0	0	0	0	0	2,770	0
Nov.	2,440	0	2,440	0	0	0	0	0	2,440	0
Dec.	4,290	0	4,290	0	0	0	0	0	4,290	0
Total or average	299,710		72,456	154,577	71,219	1,458	0		72,456	105,577

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-feet capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
0	0	0	0	2,710	0	0	0	0	1912
0	0	0	0	2,230	0	0	0	0	Jan.
0	0	0	0	8,199	0	0	0	0	Feb.
2,314	95	0	14,701	8,515	0	2,314	95	0	Mar.
4,273	163	0	21,777	8,828	0	4,273	163	0	April
4,634	182	0	19,413	4,990	0	4,634	182	0	May
4,790	184	0	14,597	3,060	0	4,790	184	0	June
4,790	135	0	9,623	1,960	0	4,790	135	0	July
4,634	64	0	4,698	1,550	0	4,634	64	0	Aug.
0	0	0	0	1,830	0	0	0	0	Sept.
0	0	0	0	1,730	0	0	0	0	Oct.
0	0	0	0	1,760	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
25,435	823	0		47,362	0	25,435	823	0	Total or average
0	0	0	0	2,910	0	0	0	0	1913
0	0	0	0	4,753	0	0	0	0	Jan.
0	0	0	8,447	8,759	0	0	0	0	Feb.
1,547	75	0	9,888	7,091	0	1,547	75	0	Mar.
1,608	93	0	8,315	4,970	0	1,608	93	0	April
1,557	95	0	6,614	2,890	0	1,557	95	0	May
1,607	93	0	4,962	1,690	0	1,607	93	0	June
1,607	68	0	3,262	1,070	0	1,607	68	0	July
1,555	32	0	1,587	893	0	1,555	32	0	Aug.
0	0	0	0	910	0	0	0	0	Sept.
0	0	0	0	2,280	0	0	0	0	Oct.
0	0	0	0	2,170	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
9,481	456	0		40,386	0	9,481	456	0	Total or average
0	0	0	0	6,271	0	0	0	0	1914
0	0	0	55,129	8,440	18,017	0	0	0	Jan.
0	0	0	149,672	9,344	30,254	0	0	0	Feb.
16,225	298	0	158,074	9,042	0	25,519	405	0	Mar.
19,239	391	0	144,508	9,344	0	28,847	514	0	April
20,460	430	0	122,703	8,585	0	29,763	549	0	May
21,473	430	0	93,386	5,570	0	31,083	543	0	June
21,473	313	0	61,760	3,630	0	31,083	389	0	July
20,790	165	0	30,288	2,730	0	30,088	200	0	Aug.
0	0	0	0	2,770	0	0	0	0	Sept.
0	0	0	0	2,440	0	0	0	0	Oct.
0	0	0	0	4,290	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
119,650	2,027	0		72,456	48,271	176,383	2,600	0	Total or average

TABLE 12a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL AND SEAS

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1915										
Jan.	7,380	0	4,428	2,632	0	0	0	0	4,428	0
Feb.	30,200	320	8,412	13,196	0	0	0	2,952	8,412	0
Mar.	21,500	8,912	9,344	0	0	0	0	24,740	9,344	0
April	17,300	21,068	9,042	0	3,339	117	0	36,896	9,042	0
May	20,400	25,870	9,344	0	4,256	177	0	39,109	9,344	0
June	11,400	32,493	8,967	0	7,807	238	0	42,213	8,967	0
July	7,010	26,881	7,010	0	8,875	254	0	34,201	7,010	0
Aug.	3,980	11,752	3,980	0	8,875	190	0	22,595	3,980	0
Sept.	3,270	8,687	3,270	0	8,592	95	0	11,062	3,270	0
Oct.	2,770	0	2,770	0	0	0	0	0	2,770	0
Nov.	3,010	0	3,010	0	0	0	0	0	3,010	0
Dec.	3,580	0	3,580	0	0	0	0	0	3,580	0
Total or average	131,800		73,157	15,828	41,744	1,071	0		73,157	0
1916										
Jan.	148,000	0	8,759	52,702	0	0	0	0	8,759	49,196
Feb.	39,400	86,539	8,741	99,427	0	0	0	90,045	8,741	54,508
Mar.	34,800	17,771	9,344	18	0	0	0	66,196	9,344	0
April	19,900	43,209	9,042	0	6,913	174	0	91,652	9,042	0
May	10,400	46,980	9,130	0	9,304	248	0	87,483	9,130	0
June	5,830	38,698	5,830	0	9,314	264	0	70,993	5,830	0
July	4,770	29,120	4,770	0	9,624	264	0	53,444	4,770	0
Aug.	3,570	19,232	3,570	0	9,624	198	0	35,328	3,570	0
Sept.	2,810	9,410	2,810	0	9,314	96	0	17,314	2,810	0
Oct.	7,010	0	6,473	0	0	0	0	0	6,473	0
Nov.	4,130	537	4,130	0	0	7	0	537	4,130	0
Dec.	13,600	530	5,253	0	0	0	0	530	5,253	0
Total or average	294,220		77,852	152,147	54,093	1,251	0		77,852	103,704
1917										
Jan.	9,280	8,877	8,172	9,467	0	0	0	8,877	8,172	0
Feb.	13,200	518	7,551	0	0	0	0	9,985	7,551	0
Mar.	13,600	6,167	9,344	0	0	0	0	15,634	9,344	0
April	10,500	10,423	9,042	0	1,640	73	0	19,890	9,042	0
May	8,610	10,168	8,531	0	1,979	99	0	18,086	8,531	0
June	5,270	8,169	5,270	0	1,635	105	0	14,482	5,270	0
July	3,140	6,129	3,140	0	1,999	99	0	10,882	3,140	0
Aug.	2,200	4,031	2,200	0	1,999	67	0	7,169	2,200	0
Sept.	1,510	1,965	1,510	0	1,935	30	0	3,497	1,510	0
Oct.	1,560	0	1,560	0	0	0	0	0	1,560	0
Nov.	1,840	0	1,840	0	0	0	0	0	1,840	0
Dec.	2,000	0	2,000	0	0	0	0	0	2,000	0
Total or average	72,710		60,160	9,467	11,487	473	0		60,160	0

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-feet capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
0	0	0	0	4,428	0	0	0	0	1915
0	0	0	2,952	8,412	0	0	0	0	Jan.
0	0	0	24,740	9,344	0	0	0	0	Feb.
5,884	161	0	36,896	9,042	0	5,884	161	0	Mar.
7,728	224	0	39,109	9,344	0	7,728	224	0	April
10,165	280	0	42,213	8,967	0	10,165	280	0	May
11,313	293	0	34,201	7,010	0	11,313	293	0	June
11,313	220	0	22,595	3,980	0	11,313	220	0	July
10,947	115	0	11,062	3,270	0	10,947	115	0	Aug.
0	0	0	0	2,770	0	0	0	0	Sept.
0	0	0	0	3,010	0	0	0	0	Oct.
0	0	0	0	3,580	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
57,350	1,293	0		73,157	0	57,350	1,293	0	Total or average
0	0	0	0	8,759	0	0	0	0	1916
0	0	0	139,241	8,741	43,704	0	0	0	Jan.
0	0	0	126,196	9,344	0	0	0	0	Feb.
14,747	280	0	151,652	9,042	0	24,473	393	0	Mar.
17,393	367	0	137,644	9,130	0	27,472	496	0	April
17,165	384	0	110,946	5,830	0	26,895	513	0	May
17,736	380	0	83,538	4,770	0	27,793	498	0	June
17,736	278	0	55,247	3,570	0	27,793	363	0	July
17,168	146	0	27,091	2,810	0	26,904	187	0	Aug.
0	0	0	0	6,473	0	0	0	0	Sept.
0	7	0	537	4,130	0	0	7	0	Oct.
0	0	0	530	5,253	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
101,945	1,842	0		77,852	43,704	161,330	2,457	0	Total or average
0	0	0	8,877	8,172	0	0	0	0	1917
0	0	0	9,985	7,551	0	0	0	0	Jan.
0	0	0	15,634	9,344	0	0	0	0	Feb.
3,149	113	0	19,890	9,042	0	3,149	113	0	Mar.
3,536	147	0	18,086	8,551	0	3,536	147	0	April
3,446	154	0	14,482	5,270	0	3,446	154	0	May
3,561	152	0	10,882	3,140	0	3,561	152	0	June
3,561	111	0	7,169	2,200	0	3,561	111	0	July
3,445	52	0	3,497	1,510	0	3,445	52	0	Aug.
0	0	0	0	1,560	0	0	0	0	Sept.
0	0	0	0	1,840	0	0	0	0	Oct.
0	0	0	0	2,000	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
20,698	729	0		60,160	0	20,698	729	0	Total or average

TABLE 12a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL AND SEAS

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1918										
Jan.	2,020	0	2,020	0	0	0	0	0	2,020	0
Feb.	9,330	0	3,847	0	0	0	0	0	3,847	0
Mar.	73,200	5,483	9,249	11,341	0	0	0	5,483	9,249	0
April	17,000	58,093	9,042	0	9,314	206	0	69,434	9,042	0
May	10,000	56,531	8,993	0	11,216	276	0	66,012	8,993	0
June	6,010	46,046	6,010	0	11,097	292	0	53,603	6,010	0
July	3,976	34,657	3,970	0	11,467	293	0	40,347	3,970	0
Aug.	2,840	22,897	2,840	0	11,467	218	0	26,663	2,840	0
Sept.	2,330	11,212	2,330	0	11,099	113	0	13,060	2,330	0
Oct.	2,930	0	2,930	0	0	0	0	0	2,930	0
Nov.	3,140	0	3,140	0	0	0	0	0	3,140	0
Dec.	4,370	0	4,370	0	0	0	0	0	4,370	0
Total or average	137,140		58,741	11,341	65,660	1,398	0		58,741	0
1919										
Jan.	3,300	0	3,300	0	0	0	0	0	3,300	0
Feb.	4,110	0	4,110	0	0	0	0	0	4,110	0
Mar.	6,110	0	6,110	0	0	0	0	0	6,110	0
April	6,010	0	6,010	0	0	0	0	0	6,010	0
May	3,810	0	3,810	0	0	0	0	0	3,810	0
June	1,890	0	1,890	0	0	0	0	0	1,890	0
July	1,320	0	1,320	0	0	0	0	0	1,320	0
Aug.	935	0	935	0	0	0	0	0	935	0
Sept.	1,010	0	1,010	0	0	0	0	0	1,010	0
Oct.	2,040	0	2,040	0	0	0	0	0	2,040	0
Nov.	2,130	0	2,130	0	0	0	0	0	2,130	0
Dec.	5,209	0	5,209	0	0	0	0	0	5,209	0
Total or average	38,005		37,874	0	0	0	0		37,874	0
1920										
Jan.	3,260	131	3,260	0	0	0	0	131	3,260	0
Feb.	12,700	131	5,854	0	0	0	0	131	5,854	0
Mar.	36,200	6,977	9,344	0	0	0	0	6,977	9,344	0
April	25,100	33,833	9,042	0	5,389	153	0	33,833	9,042	0
May	12,609	44,349	9,344	0	8,776	240	0	44,349	9,344	0
June	7,380	38,589	7,349	0	9,286	264	0	38,589	7,349	0
July	4,670	29,070	4,670	0	9,603	270	0	29,070	4,670	0
Aug.	3,200	19,197	3,200	0	9,603	200	0	19,197	3,200	0
Sept.	2,030	9,394	2,030	0	9,292	102	0	9,394	2,030	0
Oct.	2,000	0	2,000	0	0	0	0	0	2,000	0
Nov.	2,380	0	2,380	0	0	0	0	0	2,380	0
Dec.	2,210	0	2,210	0	0	0	0	0	2,210	0
Total or average	113,730		60,683	0	51,949	1,229	0		60,683	0

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-feet capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
0	0	0	0	2,020	0	0	0	0	1918
0	0	0	0	3,847	0	0	0	0	Jan.
0	0	0	5,483	9,249	0	0	0	0	Feb.
11,146	234	0	69,434	9,042	0	11,146	234	0	Mar.
13,110	306	0	66,012	8,993	0	13,110	306	0	April
12,933	323	0	53,603	6,010	0	12,933	323	0	May
13,363	321	0	40,347	3,970	0	13,363	321	0	June
13,363	240	0	26,663	2,840	0	13,363	240	0	July
12,933	127	0	13,060	2,330	0	12,933	127	0	Aug.
0	0	0	0	2,930	0	0	0	0	Sept.
0	0	0	0	3,140	0	0	0	0	Oct.
0	0	0	0	4,370	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
76,848	1,551	0		58,741	0	76,848	1,551	0	Total or average
0	0	0	0	3,300	0	0	0	0	1919
0	0	0	0	4,110	0	0	0	0	Jan.
0	0	0	0	6,110	0	0	0	0	Feb.
0	0	0	0	6,010	0	0	0	0	Mar.
0	0	0	0	3,810	0	0	0	0	April
0	0	0	0	1,890	0	0	0	0	May
0	0	0	0	1,320	0	0	0	0	June
0	0	0	0	935	0	0	0	0	July
0	0	0	0	1,010	0	0	0	0	Aug.
0	0	0	0	2,040	0	0	0	0	Sept.
0	0	0	0	2,130	0	0	0	0	Oct.
0	0	0	0	5,209	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
0	0	0		37,874	0	0	0	0	Total or average
0	0	0	131	3,260	0	0	0	0	1920
0	0	0	131	5,854	0	0	0	0	Jan.
0	0	0	6,977	9,344	0	0	0	0	Feb.
5,389	153	0	33,833	9,042	0	5,389	153	0	Mar.
8,776	240	0	44,349	9,344	0	8,776	240	0	April
9,286	264	0	38,589	7,349	0	9,286	264	0	May
9,603	270	0	29,070	4,670	0	9,603	270	0	June
9,603	200	0	19,197	3,200	0	9,603	200	0	July
9,292	102	0	9,394	2,030	0	9,292	102	0	Aug.
0	0	0	0	2,000	0	0	0	0	Sept.
0	0	0	0	2,380	0	0	0	0	Oct.
0	0	0	0	2,210	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
51,949	1,229	0		60,683	0	51,949	1,229	0	Total or average

TABLE 12a (Continued). SAN GABRIEL

WATER YIELD UNDER
FLOOD CONTROL AND SEAS
Monthly Summary of Computa
(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1921										
Jan.	5,160	0	4,405	0	0	0	0	0	4,405	0
Feb.	4,490	755	4,490	0	0	0	0	755	4,490	0
Mar.	15,400	755	7,288	0	0	0	0	755	7,288	0
April	6,070	8,867	6,070	0	1,386	67	0	8,867	6,070	0
May	15,700	7,414	6,835	0	1,432	85	0	7,414	6,835	0
June	8,980	14,762	7,920	0	3,510	155	0	14,762	7,920	0
July	3,830	12,157	3,830	0	3,978	169	0	12,157	3,830	0
Aug.	2,450	8,010	2,450	0	3,978	121	0	8,010	2,450	0
Sept.	1,840	3,911	1,840	0	3,859	52	0	3,911	1,840	0
Oct.	2,040	0	2,040	0	0	0	0	0	2,040	0
Nov.	1,800	0	1,800	0	0	0	0	0	1,800	0
Dec.	119,000	0	5,045	38,907	0	0	0	0	5,045	6,295
Total or average	186,760		54,013	38,907	18,143	649	0		54,013	6,295
1922										
Jan.	62,100	75,048	9,344	108,425	0	0	0	107,660	9,344	100,784
Feb.	88,900	19,379	8,440	83,060	0	0	0	59,632	8,440	74,313
Mar.	47,800	16,779	9,344	3,196	0	0	0	65,779	9,344	3,353
April	31,400	52,039	9,042	0	8,334	192	0	100,882	9,042	0
May	24,700	65,871	9,344	0	13,084	303	0	106,702	9,344	0
June	14,400	67,840	9,042	0	16,400	373	0	100,363	9,042	0
July	9,100	56,425	8,576	0	18,735	392	0	80,924	8,576	0
Aug.	5,080	37,822	5,080	0	18,997	287	0	54,037	5,080	0
Sept.	3,290	18,538	3,290	0	18,385	153	0	26,493	3,290	0
Oct.	3,110	0	3,110	0	0	0	0	0	3,110	0
Nov.	5,310	0	4,519	0	0	0	0	0	4,519	0
Dec.	21,500	791	8,456	0	0	0	0	791	8,456	0
Total or average	316,690		87,587	194,681	93,935	1,700	0		87,587	178,450
1923										
Jan.	7,130	13,835	6,968	13,042	0	0	0	13,835	6,968	0
Feb.	7,830	955	7,791	0	0	0	0	13,997	7,791	0
Mar.	7,320	994	7,320	0	0	0	0	14,036	7,320	0
April	8,330	994	8,079	0	157	8	0	14,036	8,079	0
May	5,480	1,080	5,480	0	210	12	0	11,983	5,480	0
June	3,700	858	3,700	0	204	12	0	9,537	3,700	0
July	2,420	642	2,420	0	212	8	0	7,159	2,420	0
Aug.	1,990	422	1,990	0	212	6	0	4,707	1,990	0
Sept.	1,750	204	1,750	0	204	0	0	2,293	1,750	0
Oct.	1,710	0	1,710	0	0	0	0	0	1,710	0
Nov.	1,960	0	1,960	0	0	0	0	0	1,960	0
Dec.	2,130	0	2,130	0	0	0	0	0	2,130	0
Total or average	51,750		51,298	13,042	1,199	46	0		51,298	0

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-feet capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
0	0	0	0	4,405	0	0	0	0	1921
0	0	0	755	4,490	0	0	0	0	Jan.
0	0	0	755	7,288	0	0	0	0	Feb.
1,386	67	0	8,867	6,070	0	1,386	67	0	Mar.
1,432	85	0	7,414	6,835	0	1,432	85	0	April
3,510	155	0	14,762	7,920	0	3,510	155	0	May
3,978	169	0	12,157	3,830	0	3,978	169	0	June
3,978	121	0	8,010	2,450	0	3,978	121	0	July
3,859	52	0	3,911	1,840	0	3,859	52	0	Aug.
0	0	0	0	2,040	0	0	0	0	Sept.
0	0	0	0	1,800	0	0	0	0	Oct.
0	0	0	0	5,045	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
18,143	649	0		54,013	0	18,143	649	0	Total or average
0	0	0	113,955	9,344	52,703	0	0	0	1922
0	0	0	114,008	8,440	68,689	0	0	0	Jan.
0	0	0	125,779	9,344	3,196	0	0	0	Feb.
16,241	297	0	161,039	9,042	0	25,999	411	0	Mar.
21,277	418	0	156,987	9,344	0	31,353	545	0	April
24,317	480	0	140,445	9,042	0	34,086	603	0	May
26,917	494	0	111,114	8,576	0	37,012	611	0	June
27,185	359	0	74,015	5,080	0	37,280	434	0	July
26,306	187	0	36,301	3,290	0	36,081	220	0	Aug.
0	0	0	0	3,110	0	0	0	0	Sept.
0	0	0	0	4,519	0	0	0	0	Oct.
0	0	0	791	8,456	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
142,243	2,235	0		87,587	124,588	201,811	2,824	0	Total or average
0	0	0	13,835	6,968	0	0	0	0	1923
0	0	0	13,997	7,791	0	0	0	0	Jan.
0	0	0	14,036	7,320	0	0	0	0	Feb.
2,211	93	0	14,036	8,079	0	2,211	93	0	Mar.
2,331	115	0	11,983	5,480	0	2,331	115	0	April
2,257	121	0	9,537	3,700	0	2,257	121	0	May
2,331	121	0	7,159	2,420	0	2,331	121	0	June
2,331	83	0	4,707	1,990	0	2,331	83	0	July
2,253	40	0	2,293	1,750	0	2,253	40	0	Aug.
0	0	0	0	1,710	0	0	0	0	Sept.
0	0	0	0	1,960	0	0	0	0	Oct.
0	0	0	0	2,130	0	0	0	0	Nov.
0	0	0	0	0	0	0	0	0	Dec.
13,714	573	0		51,298	0	13,714	573	0	Total or average

TABLE 12a (Continued). SAN GABRIEL

WATER YIELD UNDER
FLOOD CONTROL AND SEAS
Monthly Summary of Computa
(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1924										
Jan.	2,170	0	2,170	0	0	0	0	0	2,170	0
Feb.	1,790	0	1,790	0	0	0	0	0	1,790	0
Mar.	4,130	0	3,714	0	0	0	0	0	3,714	0
April	6,190	416	6,190	0	59	8	0	416	6,190	0
May	3,650	349	3,650	0	61	10	0	349	3,650	0
June	1,660	278	1,660	0	59	10	0	278	1,660	0
July	1,000	209	1,000	0	61	12	0	209	1,000	0
Aug.	756	136	756	0	61	10	0	136	756	0
Sept.	744	65	744	0	59	6	0	65	744	0
Oct.	873	0	873	0	0	0	0	0	873	0
Nov.	1,190	0	1,190	0	0	0	0	0	1,190	0
Dec.	1,780	0	1,780	0	0	0	0	0	1,780	0
Total or average	25,933		25,517	0	360	56	0		25,517	0
1925										
Jan.	1,710	0	1,710	0	0	0	0	0	1,710	0
Feb.	1,620	0	1,620	0	0	0	0	0	1,620	0
Mar.	2,510	0	2,423	0	0	0	0	0	2,423	0
April	7,200	87	5,765	0	0	4	0	87	5,765	0
May	3,050	1,518	3,050	0	285	29	0	1,518	3,050	0
June	1,840	1,204	1,840	0	278	28	0	1,204	1,840	0
July	824	898	824	0	285	24	0	898	824	0
Aug.	621	589	621	0	285	16	0	589	621	0
Sept.	492	288	492	0	278	10	0	288	492	0
Oct.	873	0	873	0	0	0	0	0	873	0
Nov.	1,010	0	1,010	0	0	0	0	0	1,010	0
Dec.	1,650	0	1,650	0	0	0	0	0	1,650	0
Total or average	23,400		21,878	0	1,411	111	0		21,878	0

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-foot capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
0	0	0	0	2,170	0	0	0	0	1921
0	0	0	0	1,790	0	0	0	0	Jan.
0	0	0	0	3,714	0	0	0	0	Feb.
59	8	0	416	6,190	0	59	8	0	Mar.
61	10	0	349	3,650	0	61	10	0	April
59	10	0	278	1,660	0	59	10	0	May
61	12	0	209	1,000	0	61	12	0	June
61	10	0	136	756	0	61	10	0	July
59	6	0	65	744	0	59	6	0	Aug.
0	0	0	0	873	0	0	0	0	Sept.
0	0	0	0	1,190	0	0	0	0	Oct.
0	0	0	0	1,780	0	0	0	0	Nov.
									Dec.
360	56	0		25,517	0	360	56	0	Total or average
0	0	0	0	1,710	0	0	0	0	1925
0	0	0	0	1,620	0	0	0	0	Jan.
0	0	0	0	2,423	0	0	0	0	Feb.
0	4	0	87	5,765	0	0	4	0	Mar.
285	29	0	1,518	3,050	0	285	29	0	April
278	28	0	1,204	1,840	0	278	28	0	May
285	24	0	898	824	0	285	24	0	June
285	16	0	589	621	0	285	16	0	July
278	10	0	288	492	0	278	10	0	Aug.
0	0	0	0	873	0	0	0	0	Sept.
0	0	0	0	1,010	0	0	0	0	Oct.
0	0	0	0	1,650	0	0	0	0	Nov.
									Dec.
1,411	111	0		21,878	0	1,411	111	0	Total or average

TABLE 12a (Concluded). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL AND SEAS

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1921										
Jan.	1,540	0	1,540	0	0	0	0	0	1,540	0
Feb.	7,940	0	5,485	0	0	0	0	0	5,485	0
Mar.	3,650	2,455	3,650	0	0	0	0	2,455	3,650	0
April	69,000	2,455	8,233	0	383	32	0	2,455	8,233	0
May	13,000	62,807	9,142	0	12,471	294	0	62,807	9,142	0
June	5,500	53,900	5,500	0	13,006	323	0	53,900	5,500	0
July	3,120	40,571	3,120	0	13,441	321	0	40,571	3,120	0
Aug.	2,070	26,809	2,070	0	13,441	239	0	26,809	2,070	0
Sept.	1,580	13,129	1,580	0	13,001	128	0	13,129	1,580	0
Oct.	0							0		
Nov.										
Dec.										
Total or average	107,400		40,320	0	65,743	1,337	0		40,320	0
Total for period, Jan. 1, 1897, to Oct. 1, 1926	3,731,977		1,513,303	1,103,359	1,091,252	24,063	0		1,513,303	586,916
Average for period, Jan. 1, 1897, to Oct. 1, 1926	125,445		50,867	37,088	36,681	809	0		50,867	19,723

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

ONAL STORAGE COORDINATED.

tions Carried Out on a Daily Basis.
mary, see Table 12, page 158.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity			240,000 acre-feet capacity						Year and month
Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
0	0	0	0	1,540	0	0	0	0	1926
0	0	0	0	5,485	0	0	0	0	Jan.
0	0	0	2,455	3,650	0	0	0	0	Feb.
383	32	0	2,455	8,233	0	383	32	0	Mar.
12,471	294	0	62,807	9,142	0	12,471	294	0	April
13,006	323	0	53,900	5,500	0	13,006	323	0	May
13,441	321	0	40,571	3,120	0	13,441	321	0	June
13,441	239	0	26,809	2,070	0	13,441	239	0	July
13,001	128	0	13,129	1,580	0	13,001	128	0	Aug.
			0						Sept.
									Oct.
									Nov.
									Dec.
65,743	1,337	0		40,320	0	65,743	1,337	0	Total or average
1,600,161	31,577	0		1,513,303	247,712	1,936,001	34,961	0	Total for period, Jan. 1, 1897, to Oct. 1, 1926
53,788	1,061	0		50,867	8,327	65,076	1,175	0	Average for period, Jan. 1, 1897, to Oct. 1, 1926

TABLE 13a. SAN GABRIEL RESER

WATER YIELD UNDER

FLOOD CONTROL, SEASONAL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre feet	Maximum flood control reserve or first 131,000 acre-feet of capacity							180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1897											
Jan.	3,617	0	3,617	0	0	0	0	0	62,650	3,617	11,779
Feb.	19,146	0	7,262	4,913	0	0	0	0	49,519	7,262	4,628
Mar.	28,623	6,971	9,344	0	0	0	0	0	55,553	9,344	0
April	17,519	26,250	9,042	0	4,164	0	131	0	73,480	9,042	0
May	8,851	30,432	8,126	0	5,963	0	194	0	79,165	8,126	0
June	4,033	25,000	4,033	0	5,985	0	206	0	75,183	4,033	0
July	2,343	18,809	2,343	0	6,185	0	212	0	70,385	2,343	0
Aug.	1,613	12,412	1,613	0	6,185	0	149	0	65,389	1,613	0
Sept.	1,226	6,078	1,226	0	6,006	0	72	0	60,447	1,226	0
Oct.	5,564	0	2,622	0	0	0	0	0	55,695	2,622	0
Nov.	1,860	2,942	1,860	0	0	0	20	0	57,065	1,860	0
Dec.	1,875	2,922	1,875	0	0	0	0	0	55,613	1,875	0
Total or average	96,270		52,963	4,913	34,488	0	984	0		52,963	16,407
1898											
Jan.	2,453	2,922	2,453	0	0	0	0	0	54,261	2,453	0
Feb.	2,241	2,922	2,241	0	0	0	0	0	52,909	2,241	0
Mar.	2,131	2,922	2,131	0	0	0	0	0	51,687	2,131	0
April	1,950	2,922	1,950	0	448	0	34	0	50,335	1,950	0
May	2,213	2,440	2,213	0	462	0	39	0	48,836	2,213	0
June	1,159	1,939	1,159	0	448	0	39	0	47,232	1,159	0
July	672	1,452	672	0	464	0	40	0	45,627	672	0
Aug.	456	948	456	0	462	0	26	0	43,932	456	0
Sept.	467	460	467	0	448	0	12	0	42,267	467	0
Oct.	533	0	533	0	0	0	0	0	40,720	533	0
Nov.	580	0	580	0	0	0	0	0	39,189	580	0
Dec.	832	0	832	0	0	0	0	0	37,765	832	0
Total or average	15,687		15,687	0	2,732	0	190	0		15,687	0
1899											
Jan.	1,414	0	1,414	0	0	0	0	0	36,413	1,414	0
Feb.	1,244	0	1,244	0	0	0	0	0	35,061	1,244	0
Mar.	1,623	0	1,623	0	0	0	0	0	33,839	1,623	0
April	1,262	0	1,262	0	0	0	0	0	32,487	1,262	0
May	842	0	842	0	0	0	0	0	31,029	842	0
June	565	0	565	0	0	0	0	0	29,483	565	0
July	221	0	221	0	0	0	0	0	27,950	221	0
Aug.	295	0	295	0	0	0	0	0	26,338	295	0
Sept.	220	0	220	0	0	0	0	0	24,752	220	0
Oct.	683	0	683	0	0	0	0	0	23,268	683	0
Nov.	847	0	847	0	0	0	0	0	21,787	847	0
Dec.	1,247	0	1,247	0	0	0	0	0	20,395	1,247	0
Total or average	10,463		10,463	0	0	0	0	0		10,463	0

VOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

OVER-YEAR STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 13, page 160.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity				240,000 acre-feet capacity							Year and month
Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	
											1897
0	1,352	0	0	122,650	3,617	10,611	0	2,520	0	0	Jan.
0	1,222	0	0	109,519	7,262	4,478	0	2,276	0	0	Feb.
0	1,352	0	0	114,649	9,344	0	0	2,520	0	0	Mar.
1,249	1,309	234	0	131,408	9,042	0	0	2,439	363	0	April
3,012	1,352	343	0	137,083	8,126	0	0	2,520	494	0	May
3,093	1,309	396	0	134,794	4,033	0	0	2,439	583	0	June
3,197	1,352	447	0	131,772	2,343	0	0	2,520	674	0	July
3,197	1,352	393	0	128,578	1,613	0	0	2,520	621	0	Aug.
3,153	1,309	290	0	125,437	1,226	0	0	2,439	472	0	Sept.
0	1,352	220	0	122,526	2,622	0	0	2,520	357	0	Oct.
0	1,309	143	0	122,591	1,860	0	0	2,439	238	0	Nov.
0	1,352	0	0	119,914	1,875	0	0	2,520	0	0	Dec.
16,901	15,922	2,466	0		52,963	15,089	0	29,672	3,802	0	Total or average
											1898
0	1,352	0	0	117,394	2,453	0	0	2,520	0	0	Jan.
0	1,222	0	0	114,874	2,241	0	0	2,276	0	0	Feb.
0	1,352	0	0	112,598	2,131	0	0	2,520	0	0	Mar.
0	1,309	190	0	110,078	1,950	0	0	2,439	313	0	April
0	1,352	252	0	107,326	2,213	0	0	2,520	410	0	May
0	1,309	296	0	104,396	1,159	0	0	2,439	490	0	June
0	1,352	343	0	101,467	672	0	0	2,520	565	0	July
0	1,352	313	0	98,382	456	0	0	2,520	516	0	Aug.
0	1,309	238	0	95,346	467	0	0	2,439	391	0	Sept.
0	1,352	179	0	92,516	533	0	0	2,520	293	0	Oct.
0	1,309	115	0	89,703	580	0	0	2,439	192	0	Nov.
0	1,352	0	0	87,072	832	0	0	2,520	0	0	Dec.
0	15,922	1,926	0		15,687	0	0	29,672	3,170	0	Total or average
											1899
0	1,352	0	0	84,552	1,414	0	0	2,520	0	0	Jan.
0	1,222	0	0	82,032	1,244	0	0	2,276	0	0	Feb.
0	1,352	0	0	79,756	1,623	0	0	2,520	0	0	Mar.
0	1,309	149	0	77,236	1,262	0	0	2,439	246	0	April
0	1,352	194	0	74,551	842	0	0	2,520	325	0	May
0	1,309	224	0	71,706	565	0	0	2,439	383	0	June
0	1,352	260	0	68,884	221	0	0	2,520	440	0	July
0	1,352	234	0	65,924	295	0	0	2,520	399	0	Aug.
0	1,309	175	0	63,005	220	0	0	2,439	301	0	Sept.
0	1,352	129	0	60,265	683	0	0	2,520	224	0	Oct.
0	1,309	83	0	57,521	847	0	0	2,439	143	0	Nov.
0	1,352	0	0	54,939	1,247	0	0	2,520	0	0	Dec.
0	15,922	1,448	0		10,463	0	0	29,672	2,461	0	Total or average

TABLE 13a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL, SEASONAL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity							180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1900											
Jan.	1,968	0	1,968	0	0	0	0	0	19,043	1,968	0
Feb.	1,111	0	1,111	0	0	0	0	0	17,691	1,111	0
Mar.	1,230	0	1,230	0	0	0	0	0	16,469	1,230	0
April	1,012	0	1,012	0	0	0	0	0	15,117	1,012	0
May	2,275	0	2,275	0	0	0	0	0	13,713	2,275	0
June	893	0	893	0	0	0	0	0	12,240	893	0
July	369	0	369	0	0	0	0	0	10,796	369	0
Aug.	246	0	246	0	0	0	0	0	9,295	246	0
Sept.	238	0	238	0	0	0	0	0	7,820	238	0
Oct.	307	0	307	0	0	0	0	0	6,426	307	0
Nov.	11,068	0	1,058	0	0	0	0	0	5,018	1,058	0
Dec.	1,266	10,010	1,260	0	0	0	0	0	13,687	1,260	0
Total or average	21,986		11,976	0	0	0	0	0		11,976	0
1901											
Jan.	10,391	10,010	6,661	12,810	0	0	0	0	12,335	6,661	0
Feb.	38,709	930	8,350	19,884	0	0	0	0	14,713	8,350	0
Mar.	13,589	11,405	9,138	0	0	0	0	0	43,850	9,138	0
April	6,545	15,856	6,545	0	2,499	0	99	0	46,949	6,545	0
May	7,440	13,258	6,990	0	2,582	0	117	0	45,459	6,990	0
June	3,749	11,009	3,749	0	2,618	0	129	0	44,317	3,749	0
July	1,845	8,262	1,845	0	2,704	0	125	0	42,722	1,845	0
Aug.	1,240	5,433	1,240	0	2,704	0	79	0	41,041	1,240	0
Sept.	1,012	2,650	1,012	0	2,610	0	40	0	39,389	1,012	0
Oct.	1,476	0	1,476	0	0	0	0	0	37,850	1,476	0
Nov.	1,904	0	1,904	0	0	0	0	0	36,327	1,904	0
Dec.	1,660	0	1,660	0	0	0	0	0	34,909	1,660	0
Total or average	89,560		50,570	32,694	15,717	0	589	0		50,570	0
1902											
Jan.	1,722	0	1,722	0	0	0	0	0	33,557	1,722	0
Feb.	2,055	0	2,055	0	0	0	0	0	32,205	2,055	0
Mar.	6,088	0	5,590	0	0	0	0	0	30,983	5,590	0
April	3,928	498	3,928	0	72	0	8	0	30,129	3,928	0
May	2,398	418	2,398	0	73	0	11	0	28,679	2,398	0
June	1,190	334	1,190	0	72	0	12	0	27,143	1,190	0
July	676	250	676	0	74	0	12	0	25,620	676	0
Aug.	430	164	430	0	74	0	12	0	24,022	430	0
Sept.	298	78	298	0	72	0	6	0	22,448	298	0
Oct.	430	0	430	0	0	0	0	0	20,972	430	0
Nov.	1,131	0	1,131	0	0	0	0	0	19,497	1,131	0
Dec.	1,968	0	1,968	0	0	0	0	0	18,111	1,968	0
Total or average	22,314		21,816	0	437	0	61	0		21,816	0

"COORDINATED PLAN."

tions Carried Out on a Daily Basis.

mary, see Table 13, page 160.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity				240,000 acre-feet capacity							Year and month
Seasonally stored water in acre-feet	Yield in a uni- formly con- tinuous supply from over- year storage in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at be- ginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uni- formly con- tinuous supply from over- year storage in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spill-way in acre-feet	
0	1,352	0	0	52,419	1,968	0	0	2,520	0	0	1900
0	1,222	0	0	49,899	1,111	0	0	2,276	0	0	Jan.
0	1,352	0	0	47,623	1,230	0	0	2,520	0	0	Feb.
0	1,309	95	0	45,103	1,012	0	0	2,439	176	0	Mar.
0	1,352	121	0	42,488	2,275	0	0	2,520	230	0	April
0	1,309	135	0	39,738	893	0	0	2,439	264	0	May
0	1,352	149	0	37,035	369	0	0	2,520	299	0	June
0	1,352	123	0	34,216	246	0	0	2,520	268	0	July
0	1,309	85	0	31,428	238	0	0	2,439	200	0	Aug.
0	1,352	56	0	28,789	307	0	0	2,520	145	0	Sept.
0	1,309	32	0	26,124	1,058	0	0	2,439	95	0	Oct.
0	1,352	0	0	33,600	1,269	0	0	2,520	0	0	Nov.
0	15,922	796	0		11,976	0	0	29,672	1,677	0	Dec.
0											Total or average
0	1,352	0	0	31,080	6,661	0	0	2,520	0	0	1901
0	1,222	0	0	32,290	8,350	0	0	2,276	0	0	Jan.
0	1,352	0	0	60,373	9,138	0	0	2,520	0	0	Feb.
0	1,309	181	0	62,304	6,545	0	0	2,439	214	0	Mar.
0	1,352	240	0	59,651	6,990	0	0	2,520	284	0	April
0	1,309	286	0	57,297	3,749	0	0	2,439	331	0	May
0	1,352	329	0	54,527	1,845	0	0	2,520	381	0	June
0	1,352	300	0	51,626	1,240	0	0	2,520	341	0	July
0	1,309	230	0	48,765	1,012	0	0	2,439	256	0	Aug.
0	1,352	171	0	46,070	1,476	0	0	2,520	188	0	Sept.
0	1,309	109	0	43,362	1,904	0	0	2,439	121	0	Oct.
0	1,352	0	0	40,802	1,660	0	0	2,520	0	0	Nov.
0	15,922	1,846	0		50,570	0	0	29,672	2,116	0	Dec.
0											Total or average
0	1,352	0	0	38,282	1,722	0	0	2,520	0	0	1902
0	1,222	0	0	35,762	2,055	0	0	2,276	0	0	Jan.
0	1,352	0	0	33,486	5,500	0	0	2,520	0	0	Feb.
0	1,309	141	0	31,464	3,928	0	0	2,439	143	0	Mar.
0	1,352	184	0	28,882	2,308	0	0	2,520	182	0	April
0	1,309	214	0	26,180	1,190	0	0	2,439	208	0	May
0	1,352	246	0	23,533	676	0	0	2,520	232	0	June
0	1,352	222	0	20,781	430	0	0	2,520	202	0	July
0	1,309	167	0	18,059	298	0	0	2,439	145	0	Aug.
0	1,352	123	0	15,475	430	0	0	2,520	99	0	Sept.
0	1,309	77	0	12,856	1,131	0	0	2,439	58	0	Oct.
0	1,352	0	0	10,359	1,968	0	0	2,520	0	0	Nov.
0	15,922	1,374	0		21,816	0	0	29,672	1,269	0	Dec.
0											Total or average

TABLE 13a (Continued). SAN GABRIEL

**WATER YIELD UNDER
FLOOD CONTROL, SEASONAL AND
Monthly Summary of Computa
(For corresponding yearly sum**

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity							180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1903											
Jan.	9,100	0	2,536	4,856	0	0	0	0	16,759	2,536	0
Feb.	5,665	1,708	5,497	1,189	0	0	0	0	21,971	5,497	0
Mar.	15,802	687	7,898	0	0	0	0	0	20,917	7,898	0
April	47,127	8,591	9,042	0	1,344	0	67	0	27,469	9,042	0
May	13,343	45,265	9,116	0	8,963	0	244	0	64,965	9,116	0
June	5,653	40,285	5,653	0	9,703	0	272	0	66,633	5,653	0
July	2,644	30,310	2,644	0	10,026	0	270	0	63,947	2,644	0
Aug.	1,783	20,014	1,783	0	10,026	0	202	0	61,067	1,783	0
Sept.	1,488	9,786	1,488	0	9,685	0	101	0	58,291	1,488	0
Oct.	1,476	0	1,476	0	0	0	0	0	55,623	1,476	0
Nov.	1,428	0	1,428	0	0	0	0	0	54,057	1,428	0
Dec.	1,476	0	1,476	0	0	0	0	0	52,609	1,476	0
Total or average	106,980		50,037	6,045	49,747	0	1,156	0		50,037	0
1904											
Jan.	1,500	0	1,500	0	0	0	0	0	51,257	1,500	0
Feb.	2,744	0	2,177	0	0	0	0	0	49,905	2,177	0
Mar.	6,813	567	4,724	0	0	0	0	0	49,207	4,724	0
April	5,337	2,656	5,337	0	407	0	29	0	49,944	5,337	0
May	4,089	2,220	4,089	0	420	0	37	0	48,447	4,089	0
June	1,517	1,763	1,517	0	407	0	38	0	46,845	1,517	0
July	861	1,320	861	0	420	0	36	0	45,240	861	0
Aug.	793	864	793	0	420	0	24	0	43,545	793	0
Sept.	643	420	643	0	408	0	12	0	41,880	643	0
Oct.	738	0	738	0	0	0	0	0	40,333	738	0
Nov.	762	0	762	0	0	0	0	0	38,802	762	0
Dec.	1,039	0	1,039	0	0	0	0	0	37,378	1,039	0
Total or average	26,836		24,180	0	2,482	0	174	0		24,180	0
1905											
Jan.	2,251	0	2,251	0	0	0	0	0	36,026	2,251	0
Feb.	25,880	0	8,206	11,798	0	0	0	0	34,674	8,206	0
Mar.	75,140	5,876	9,281	18,198	0	0	0	0	51,126	9,281	13,658
April	19,580	53,537	9,042	0	8,727	0	197	0	101,975	9,042	0
May	17,090	55,151	9,344	0	10,942	0	274	0	104,952	9,344	0
June	8,271	51,681	7,960	0	12,475	0	313	0	102,698	7,960	0
July	5,103	39,204	5,103	0	12,989	0	313	0	91,355	5,103	0
Aug.	2,631	25,902	2,631	0	12,989	0	232	0	79,225	2,631	0
Sept.	1,869	12,681	1,869	0	12,560	0	121	0	67,175	1,869	0
Oct.	1,770	0	1,770	0	0	0	0	0	55,631	1,770	0
Nov.	2,660	0	2,660	0	0	0	0	0	54,065	2,660	0
Dec.	2,470	0	2,470	0	0	0	0	0	52,617	2,470	0
Total or average	164,715		62,587	29,996	70,682	0	1,450	0		62,587	13,658

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

OVER-YEAR STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 13, page 160.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity				240,000 acre-feet capacity							Year and month
Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	
1903											
0	1,352	0	0	7,839	2,536	0	0	2,520	0	0	Jan.
0	1,222	0	0	11,883	5,497	0	0	2,276	0	0	Feb.
0	1,352	0	0	9,775	7,898	0	0	2,520	0	0	Mar.
0	1,309	180	0	15,159	9,042	0	0	2,439	171	0	April
0	1,352	307	0	50,634	9,116	0	0	2,520	268	0	May
1,012	1,309	365	0	52,073	5,653	0	0	2,439	311	0	June
1,107	1,352	421	0	49,323	2,644	0	0	2,520	359	0	July
1,045	1,352	379	0	46,444	1,783	0	0	2,520	321	0	Aug.
1,071	1,309	288	0	43,603	1,488	0	0	2,439	240	0	Sept.
0	1,352	214	0	40,924	1,476	0	0	2,520	176	0	Oct.
0	1,309	139	0	38,228	1,428	0	0	2,439	113	0	Nov.
0	1,352	0	0	35,676	1,476	0	0	2,520	0	0	Dec.
4,235	15,922	2,293	0		50,037	0	0	29,672	1,959	0	Total or average
1904											
0	1,352	0	0	33,156	1,500	0	0	2,520	0	0	Jan.
0	1,265	0	0	30,636	2,177	0	0	2,358	0	0	Feb.
0	1,352	0	0	28,845	4,724	0	0	2,520	0	0	Mar.
0	1,309	188	0	28,414	5,337	0	0	2,439	135	0	April
0	1,352	250	0	25,840	4,089	0	0	2,520	173	0	May
0	1,309	296	0	23,147	1,517	0	0	2,439	194	0	June
0	1,352	343	0	20,514	861	0	0	2,520	216	0	July
0	1,352	313	0	17,778	793	0	0	2,520	184	0	Aug.
0	1,309	238	0	15,074	643	0	0	2,439	129	0	Sept.
0	1,352	179	0	12,506	738	0	0	2,520	87	0	Oct.
0	1,309	115	0	9,899	762	0	0	2,439	50	0	Nov.
0	1,352	0	0	7,410	1,039	0	0	2,520	0	0	Dec.
0	15,965	1,922	0		24,180	0	0	29,754	1,168	0	Total or average
1905											
0	1,352	0	0	4,890	2,251	0	0	2,520	0	0	Jan.
0	1,222	0	0	2,370	8,206	0	0	2,276	0	0	Feb.
0	1,352	0	0	17,768	9,281	0	0	2,520	0	0	Mar.
5,949	1,309	303	0	81,107	9,042	0	0	2,439	268	0	April
8,237	1,352	411	0	88,938	9,344	0	0	2,520	377	0	May
9,875	1,309	470	0	93,787	7,960	0	0	2,439	464	0	June
10,266	1,352	512	0	91,195	5,103	0	0	2,520	527	0	July
10,266	1,352	432	0	88,148	2,631	0	0	2,520	482	0	Aug.
9,935	1,309	300	0	85,146	1,869	0	0	2,439	365	0	Sept.
0	1,352	214	0	82,342	1,770	0	0	2,520	272	0	Oct.
0	1,309	139	0	79,550	2,660	0	0	2,439	176	0	Nov.
0	1,352	0	0	76,935	2,470	0	0	2,520	0	0	Dec.
54,528	15,922	2,781	0		62,587	0	0	29,672	2,931	0	Total or average

TABLE 13a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL, SEASONAL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity						180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1906										
Jan.	4,240	0	3,633	0	0	0	0	0	51,265	3,633
Feb.	3,960	607	3,960	0	0	0	0	0	50,520	3,960
Mar.	129,000	607	7,561	24,303	0	0	0	0	49,298	7,561
April	34,600	97,743	9,042	19,634	11,660	0	274	0	145,420	9,042
May	21,000	91,733	9,344	0	18,263	0	375	0	140,852	9,344
June	15,500	84,751	9,042	0	20,518	0	426	0	135,105	9,042
July	9,350	70,265	8,664	0	22,606	0	452	0	121,842	8,664
Aug.	4,490	47,893	4,490	0	24,086	0	329	0	100,040	4,490
Sept.	2,840	23,478	2,840	0	23,305	0	173	0	77,426	2,840
Oct.	2,450	0	2,450	0	0	0	0	0	55,759	2,450
Nov.	2,400	0	2,400	0	0	0	0	0	54,193	2,400
Dec.	11,600	0	4,030	0	0	0	0	0	52,745	4,030
Total or average	241,430		67,456	43,937	120,438	0	2,029	0	67,456	39,397
1907										
Jan.	58,400	7,570	9,217	50,881	0	0	0	0	58,963	9,217
Feb.	47,100	5,872	8,439	31,125	0	0	0	0	54,873	8,439
Mar.	116,000	13,408	9,344	47,166	0	0	0	0	62,408	9,344
April	58,400	72,898	9,042	0	11,708	0	238	0	121,898	9,042
May	21,500	110,310	9,344	0	21,989	0	426	0	160,351	9,344
June	15,100	100,051	9,042	0	24,242	0	478	0	151,129	9,042
July	8,360	81,389	7,920	0	27,072	0	493	0	133,496	7,920
Aug.	5,390	54,264	5,390	0	27,300	0	359	0	107,476	5,390
Sept.	3,580	26,605	3,580	0	26,421	0	184	0	81,011	3,580
Oct.	4,090	0	4,090	0	0	0	0	0	55,644	4,090
Nov.	3,800	0	3,800	0	0	0	0	0	54,078	3,800
Dec.	3,600	0	3,600	0	0	0	0	0	52,630	3,600
Total or average	345,320		82,808	129,172	138,732	0	2,178	0	82,808	127,639
1908										
Jan.	11,100	0	4,973	4,617	0	0	0	0	51,278	4,973
Feb.	15,000	1,510	8,741	5,141	0	0	0	0	50,510	8,741
Mar.	12,700	2,628	9,255	0	0	0	0	0	58,888	9,255
April	9,280	6,073	8,656	0	952	0	52	0	52,981	8,656
May	7,190	5,693	7,139	0	1,106	0	69	0	52,100	7,139
June	4,190	4,569	4,190	0	1,071	0	61	0	50,537	4,190
July	2,560	3,437	2,560	0	1,106	0	57	0	48,919	2,560
Aug.	2,210	2,274	2,210	0	1,106	0	36	0	47,208	2,210
Sept.	1,820	1,132	1,820	0	1,120	0	12	0	45,531	1,820
Oct.	2,070	0	2,070	0	0	0	0	0	43,970	2,070
Nov.	1,960	0	1,960	0	0	0	0	0	42,432	1,960
Dec.	2,870	0	2,870	0	0	0	0	0	41,000	2,870
Total or average	72,950		56,444	9,758	6,461	0	287	0	56,444	10,159

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

OVER-YEAR STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 13, page 160.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.
onal storage each year.

feet capacity				240,000 acre-feet capacity							Year and month
Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	
0	1,352	0	0	74,415	3,633	0	0	2,520	0	0	1906 Jan.
0	1,222	0	0	72,502	3,960	0	0	2,276	0	0	Feb.
0	1,352	0	0	70,226	7,561	9,428	0	2,520	0	0	Mar.
13,028	1,309	357	0	179,711	9,042	0	6,365	2,439	444	0	April
15,553	1,352	498	0	196,027	9,344	0	11,680	2,520	636	0	May
17,843	1,309	569	0	192,847	9,042	0	14,159	2,439	755	0	June
20,527	1,352	609	0	181,952	8,664	0	16,782	2,520	857	0	July
20,774	1,352	488	0	162,479	4,490	0	17,151	2,520	734	0	Aug.
20,043	1,309	315	0	142,074	2,840	0	16,587	2,439	518	0	Sept.
0	1,352	214	0	122,530	2,450	0	0	2,520	357	0	Oct.
0	1,309	139	0	119,653	2,400	0	0	2,439	235	0	Nov.
0	1,352	0	0	116,979	4,030	0	0	2,520	0	0	Dec.
107,768	15,922	3,189	0		67,456	9,428	82,724	29,672	4,536	0	Total or average
0	1,352	0	0	122,029	9,217	53,819	0	2,520	0	0	1907 Jan.
0	1,222	0	0	114,873	8,439	28,878	0	2,276	0	0	Feb.
0	1,352	0	0	122,380	9,344	44,618	0	2,520	0	0	Mar.
9,221	1,309	375	0	181,898	9,042	290	6,475	2,439	446	0	April
19,487	1,352	539	0	221,606	9,344	0	16,826	2,520	698	0	May
21,773	1,309	609	0	213,718	9,042	0	19,251	2,439	815	0	June
24,466	1,352	642	0	197,271	7,920	0	21,922	2,520	906	0	July
24,651	1,352	462	0	172,363	5,390	0	22,149	2,520	766	0	Aug.
23,737	1,309	321	0	146,928	3,580	0	21,428	2,439	531	0	Sept.
0	1,352	214	0	122,530	4,090	0	0	2,520	357	0	Oct.
0	1,309	139	0	119,653	3,800	0	0	2,439	236	0	Nov.
0	1,352	0	0	116,978	3,600	0	0	2,520	0	0	Dec.
123,335	15,922	3,301	0		82,808	127,605	108,051	29,672	4,755	0	Total or average
0	1,352	0	0	114,458	4,973	7,555	0	2,520	0	0	1908 Jan.
0	1,265	0	0	110,510	8,741	4,224	0	2,358	0	0	Feb.
0	1,352	0	0	110,187	9,255	0	0	2,520	0	0	Mar.
0	1,309	196	0	111,112	8,656	0	0	2,439	317	0	April
0	1,352	262	0	108,980	7,139	0	0	2,520	420	0	May
0	1,309	309	0	106,091	4,190	0	0	2,439	494	0	June
0	1,352	359	0	103,158	2,560	0	0	2,520	573	0	July
0	1,352	325	0	100,065	2,210	0	0	2,520	524	0	Aug.
0	1,309	252	0	97,021	1,820	0	0	2,439	397	0	Sept.
0	1,352	185	0	94,185	2,070	0	0	2,520	297	0	Oct.
0	1,309	123	0	91,368	1,960	0	0	2,439	194	0	Nov.
0	1,352	0	0	88,735	2,870	0	0	2,520	0	0	Dec.
0	15,965	2,012	0		56,444	11,779	0	29,754	3,216	0	Total or average

TABLE 13a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL, SEASONAL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity							180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1909											
Jan.	25,500	0	5,596	19,385	0	0	0	0	39,648	5,596	8,681
Feb.	59,400	519	8,440	42,858	0	0	0	0	49,519	8,440	41,897
Mar.	26,300	8,621	9,344	0	0	0	0	0	57,360	9,344	0
April	28,000	25,577	9,042	0	4,063	0	131	0	72,964	9,042	0
May	15,200	40,341	9,344	0	7,980	0	228	0	89,165	9,344	0
June	8,570	37,989	8,319	0	9,144	0	260	0	88,259	8,319	0
July	5,040	28,836	5,040	0	9,528	0	264	0	80,467	5,040	0
Aug.	3,120	19,044	3,120	0	9,528	0	196	0	71,998	3,120	0
Sept.	2,320	9,320	2,320	0	9,225	0	95	0	63,656	2,320	0
Oct.	2,310	0	2,310	0	0	0	0	0	55,687	2,310	0
Nov.	2,880	0	2,880	0	0	0	0	0	54,121	2,880	0
Dec.	20,900	0	6,346	0	0	0	0	0	52,673	6,346	1,682
Total or average	199,540		72,101	62,243	49,468	0	1,174	0		72,101	52,260
1910											
Jan.	69,500	14,554	9,344	73,583	0	0	0	0	64,193	9,344	72,870
Feb.	11,500	1,127	8,435	2,689	0	0	0	0	50,127	8,435	2,292
Mar.	9,590	1,503	9,029	0	0	0	0	0	49,678	9,029	0
April	8,270	2,064	8,120	0	321	0	22	0	48,887	8,120	0
May	5,050	1,871	5,050	0	363	0	29	0	47,542	5,050	0
June	3,560	1,479	3,560	0	352	0	14	0	45,940	3,560	0
July	2,450	1,113	2,450	0	363	0	16	0	44,340	2,450	0
Aug.	1,710	734	1,710	0	363	0	16	0	42,651	1,710	0
Sept.	1,370	355	1,370	0	355	0	0	0	40,992	1,370	0
Oct.	1,560	0	1,560	0	0	0	0	0	39,449	1,560	0
Nov.	1,870	0	1,870	0	0	0	0	0	37,923	1,870	0
Dec.	2,020	0	2,020	0	0	0	0	0	36,501	2,020	0
Total or average	118,450		54,518	76,272	2,117	0	97	0		54,518	75,162
1911											
Jan.	37,200	0	6,441	7,031	0	0	0	0	35,149	6,441	6,949
Feb.	44,300	23,728	8,440	53,874	0	0	0	0	57,607	8,440	38,010
Mar.	122,000	5,714	9,344	57,434	0	0	0	0	54,235	9,344	55,857
April	28,200	60,936	9,042	0	9,774	0	212	0	109,682	9,042	0
May	16,600	70,108	9,344	0	13,936	0	317	0	120,008	9,344	0
June	7,500	63,111	7,322	0	15,247	0	357	0	114,155	7,322	0
July	5,230	47,685	5,230	0	15,816	0	355	0	99,851	5,230	0
Aug.	3,610	31,514	3,610	0	15,816	0	260	0	84,807	3,610	0
Sept.	2,830	15,438	2,830	0	15,303	0	135	0	69,915	2,830	0
Oct.	3,140	0	3,140	0	0	0	0	0	55,688	3,140	0
Nov.	2,800	0	2,800	0	0	0	0	0	54,121	2,800	0
Dec.	2,870	0	2,870	0	0	0	0	0	52,673	2,870	0
Total or average	276,280		70,413	118,339	85,892	0	1,636	0		70,413	100,816

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

OVER-YEAR STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 13, page 160.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity				240,000 acre-feet capacity							Year and month
Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	
											1909
0	1,352	0	0	86,215	5,596	0	0	2,520	0	0	Jan.
0	1,222	0	0	103,599	8,440	35,296	0	2,276	0	0	Feb.
0	1,352	0	0	116,987	9,344	0	0	2,520	0	0	Mar.
1,190	1,309	258	0	131,423	9,042	0	0	2,439	375	0	April
5,041	1,352	369	0	147,567	9,344	0	1,955	2,520	520	0	May
6,306	1,309	428	0	148,428	8,319	0	3,318	2,439	629	0	June
6,639	1,352	478	0	142,293	5,040	0	3,515	2,520	720	0	July
6,578	1,352	412	0	135,538	3,120	0	3,515	2,520	646	0	Aug.
6,365	1,309	295	0	128,857	2,320	0	3,403	2,439	485	0	Sept.
0	1,352	214	0	122,530	2,310	0	0	2,520	357	0	Oct.
0	1,309	139	0	119,653	2,880	0	0	2,439	236	0	Nov.
0	1,352	0	0	116,978	6,346	3,425	0	2,520	0	0	Dec.
32,119	15,922	2,593	0		72,101	38,721	15,706	29,672	3,968	0	Total or average
											1910
0	1,352	0	0	125,587	9,344	73,110	0	2,520	0	0	Jan.
0	1,222	0	0	110,113	8,435	1,945	0	2,276	0	0	Feb.
0	1,352	0	0	108,957	9,029	0	0	2,520	0	0	Mar.
0	1,309	186	0	106,998	8,120	0	0	2,439	307	0	April
0	1,352	250	0	104,402	5,050	0	0	2,520	407	0	May
0	1,309	291	0	101,475	3,560	0	0	2,439	478	0	June
0	1,352	337	0	98,558	2,450	0	0	2,520	555	0	July
0	1,352	307	0	95,483	1,710	0	0	2,520	506	0	Aug.
0	1,309	234	0	92,457	1,370	0	0	2,439	385	0	Sept.
0	1,352	174	0	89,633	1,560	0	0	2,520	288	0	Oct.
0	1,309	113	0	86,825	1,870	0	0	2,439	188	0	Nov.
0	1,352	0	0	84,198	2,020	0	0	2,520	0	0	Dec.
0	15,922	1,892	0		54,518	75,055	0	29,672	3,114	0	Total or average
											1911
0	1,352	0	0	81,678	6,441	0	0	2,520	0	0	Jan.
0	1,222	0	0	109,917	8,440	29,679	0	2,276	0	0	Feb.
0	1,352	0	0	113,822	9,344	55,275	0	2,520	0	0	Mar.
7,198	1,309	325	0	168,683	9,042	0	4,557	2,439	424	0	April
11,311	1,352	446	0	180,421	9,344	0	8,550	2,520	599	0	May
12,671	1,309	502	0	176,008	7,322	0	10,048	2,439	708	0	June
13,155	1,352	537	0	162,991	5,230	0	10,444	2,520	793	0	July
13,094	1,352	446	0	149,234	3,610	0	10,444	2,520	692	0	Aug.
12,612	1,309	306	0	135,578	2,830	0	10,109	2,439	500	0	Sept.
0	1,352	215	0	122,530	3,140	0	0	2,520	357	0	Oct.
0	1,309	139	0	119,653	2,800	0	0	2,439	236	0	Nov.
0	1,352	0	0	116,978	2,870	0	0	2,520	0	0	Dec.
70,041	15,922	2,916	0		70,413	84,954	54,152	29,672	4,309	0	Total or average

TABLE 13a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL, SEASONAL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity							180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1912											
Jan.	2,710	0	2,710	0	0	0	0	0	51,321	2,710	0
Feb.	2,230	0	2,230	0	0	0	0	0	49,969	2,230	0
Mar.	22,900	0	8,199	0	0	0	0	0	48,704	8,199	0
April	18,000	14,701	8,515	0	2,314	0	95	0	62,053	8,515	0
May	10,900	21,777	8,828	0	4,273	0	163	0	69,991	8,828	0
June	4,990	19,413	4,990	0	4,634	0	182	0	69,228	4,990	0
July	3,060	14,597	3,060	0	4,790	0	184	0	65,940	3,060	0
Aug.	1,960	9,623	1,960	0	4,790	0	135	0	62,502	1,960	0
Sept.	1,550	4,698	1,550	0	4,634	0	64	0	59,131	1,550	0
Oct.	1,830	0	1,830	0	0	0	0	0	55,864	1,830	0
Nov.	1,730	0	1,730	0	0	0	0	0	54,297	1,730	0
Dec.	1,760	0	1,760	0	0	0	0	0	52,849	1,706	0
Total or average	73,620		47,362	0	25,435	0	823	0		47,362	0
1913											
Jan.	2,910	0	2,910	0	0	0	0	0	51,497	2,910	0
Feb.	13,200	0	4,753	0	0	0	0	0	50,145	4,753	0
Mar.	10,200	8,447	8,759	0	0	0	0	0	57,370	8,759	0
April	7,140	9,888	7,091	0	1,547	0	75	0	57,459	7,091	0
May	4,970	8,315	4,970	0	1,608	0	93	0	55,993	4,970	0
June	2,890	6,614	2,890	0	1,557	0	95	0	54,367	2,890	0
July	1,690	4,962	1,690	0	1,607	0	93	0	52,737	1,690	0
Aug.	1,070	3,262	1,070	0	1,607	0	68	0	51,010	1,070	0
Sept.	893	1,587	893	0	1,555	0	32	0	49,318	893	0
Oct.	910	0	910	0	0	0	0	0	47,749	910	0
Nov.	2,280	0	2,280	0	0	0	0	0	46,201	2,280	0
Dec.	2,170	0	2,170	0	0	0	0	0	44,765	2,170	0
Total or average	50,323		40,386	0	9,481	0	456	0		40,386	0
1914											
Jan.	61,400	0	6,271	41,989	0	0	0	0	43,413	6,271	35,050
Feb.	121,000	13,140	8,440	59,505	0	0	0	0	62,140	8,440	58,284
Mar.	48,000	66,195	9,344	53,083	0	0	0	0	115,194	9,344	52,388
April	21,400	51,768	9,042	0	8,291	0	193	0	100,110	9,042	0
May	16,900	55,642	9,344	0	11,077	0	274	0	105,206	9,344	0
June	9,580	51,847	8,585	0	12,509	0	313	0	102,701	8,585	0
July	5,570	40,020	5,570	0	13,258	0	317	0	92,040	5,570	0
Aug.	3,630	26,445	3,630	0	13,258	0	238	0	79,660	3,630	0
Sept.	2,730	12,949	2,730	0	12,826	0	123	0	67,426	2,730	0
Oct.	2,770	0	2,770	0	0	0	0	0	55,703	2,770	0
Nov.	2,440	0	2,440	0	0	0	0	0	54,137	2,440	0
Dec.	4,290	0	4,290	0	0	0	0	0	52,689	4,290	0
Total or average	299,710		72,456	154,577	71,219	0	1,458	0		72,456	145,722

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

OVER-YEAR STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 13, page 160.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity				240,000 acre-feet capacity							Year and month
Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	
0	1,352	0	0	114,458	2,710	0	0	2,520	0	0	1912
0	1,265	0	0	111,938	2,230	0	0	2,358	0	0	Jan.
0	1,352	0	0	109,580	8,199	0	0	2,520	0	0	Feb.
0	1,309	238	0	121,761	8,515	0	0	2,439	337	0	Mar.
1,168	1,352	315	0	128,470	8,828	0	0	2,520	473	0	April
1,608	1,309	373	0	127,549	4,990	0	0	2,439	565	0	May
1,660	1,352	426	0	124,545	3,060	0	0	2,520	656	0	June
1,660	1,352	359	0	121,369	1,960	0	0	2,520	602	0	July
1,667	1,309	291	0	118,247	1,550	0	0	2,439	456	0	Aug.
0	1,352	215	0	115,352	1,830	0	0	2,520	343	0	Sept.
0	1,309	139	0	112,489	1,730	0	0	2,439	226	0	Oct.
0	1,352	0	0	109,824	1,760	0	0	2,520	0	0	Nov.
7,761	15,965	2,356	0		47,362	0	0	29,754	3,658	0	Dec.
											Total or average
0	1,352	0	0	107,304	2,910	0	0	2,520	0	0	1913
0	1,222	0	0	104,784	4,753	0	0	2,276	0	0	Jan.
0	1,352	0	0	110,955	8,759	0	0	2,520	0	0	Feb.
0	1,309	206	0	109,876	7,091	0	0	2,439	315	0	Mar.
0	1,352	274	0	107,171	4,970	0	0	2,520	420	0	April
0	1,309	321	0	104,231	2,890	0	0	2,439	493	0	May
0	1,352	375	0	101,299	1,690	0	0	2,520	573	0	June
0	1,352	340	0	98,206	1,070	0	0	2,520	523	0	July
0	1,309	260	0	95,163	893	0	0	2,439	394	0	Aug.
0	1,352	196	0	92,330	910	0	0	2,520	297	0	Sept.
0	1,309	127	0	89,513	2,280	0	0	2,439	194	0	Oct.
0	1,352	0	0	86,880	2,170	0	0	2,520	0	0	Nov.
0	15,922	2,099	0		40,386	0	0	23,672	3,209	0	Dec.
											Total or average
0	1,352	0	0	84,360	6,271	20,557	0	2,520	0	0	1914
0	1,222	0	0	116,412	8,440	51,500	0	2,276	0	0	Jan.
0	1,352	0	0	175,196	9,344	51,782	0	2,520	0	0	Feb.
5,652	1,309	301	0	159,550	9,042	0	3,070	2,439	407	0	Mar.
8,299	1,352	410	0	165,992	9,344	0	5,656	2,520	565	0	April
9,875	1,309	472	0	164,807	8,585	0	7,317	2,439	676	0	May
10,512	1,352	516	0	155,370	5,570	0	7,893	2,520	765	0	June
10,450	1,352	432	0	144,192	3,630	0	7,892	2,520	676	0	July
10,113	1,309	301	0	133,104	2,730	0	7,639	2,439	496	0	Aug.
0	1,352	214	0	122,530	2,770	0	0	2,520	357	0	Sept.
0	1,309	139	0	119,653	2,440	0	0	2,439	236	0	Oct.
0	1,352	0	0	116,978	4,290	0	0	2,520	0	0	Nov.
54,901	15,922	2,785	0		72,456	123,839	39,467	29,672	4,178	0	Dec.
											Total or average

TABLE 13a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL, SEASONAL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity							180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1915											
Jan.	7,380	0	4,428	2,632	0	0	0	0	51,337	4,428	3,629
Feb.	30,200	320	8,412	13,196	0	0	0	0	49,308	8,412	12,355
Mar.	21,500	8,912	9,344	0	0	0	0	0	57,519	9,344	0
April	17,300	21,068	9,042	0	3,339	0	117	0	68,323	9,042	0
May	20,400	25,870	9,344	0	4,256	0	177	0	74,618	9,344	0
June	11,400	32,493	8,967	0	7,807	0	238	0	81,891	8,967	0
July	7,010	26,881	7,010	0	8,875	0	254	0	77,842	7,010	0
Aug.	3,980	17,752	3,980	0	8,875	0	190	0	70,305	3,980	0
Sept.	3,270	8,687	3,270	0	8,592	0	95	0	62,829	3,270	0
Oct.	2,770	0	2,770	0	0	0	0	0	55,694	2,770	0
Nov.	3,010	0	3,010	0	0	0	0	0	54,128	3,010	0
Dec.	3,580	0	3,580	0	9	0	0	0	52,680	3,580	0
Total or average	131,800		73,157	15,828	41,744	0	1,071	0		73,157	15,984
1916											
Jan.	148,000	0	8,759	52,702	0	0	0	0	51,328	8,759	51,935
Feb.	39,400	86,539	8,741	99,427	0	0	0	0	137,282	8,741	99,779
Mar.	34,800	17,771	9,344	18	0	0	0	0	66,897	9,344	603
April	19,900	43,209	9,042	0	6,013	0	174	0	90,398	9,042	0
May	10,400	46,980	9,130	0	9,304	0	248	0	95,618	9,130	0
June	5,830	38,668	5,830	0	9,314	0	264	0	88,764	5,830	0
July	4,770	29,120	4,770	0	9,624	0	264	0	80,541	4,770	0
Aug.	3,570	19,232	3,570	0	9,624	0	198	0	72,070	3,570	0
Sept.	2,810	9,410	2,810	0	9,314	0	96	0	63,667	2,810	0
Oct.	7,010	0	6,473	0	0	0	0	0	55,638	6,473	0
Nov.	4,130	537	4,130	0	0	0	7	0	54,609	4,130	0
Dec.	13,600	530	5,253	0	0	0	0	0	53,169	5,253	0
Total or average	294,220		77,852	152,147	54,093	0	1,251	0		77,852	152,317
1917											
Jan.	9,280	8,877	8,172	9,467	0	0	0	0	60,164	8,172	10,464
Feb.	13,200	518	7,551	0	0	0	0	0	49,456	7,551	0
Mar.	13,600	6,167	9,344	0	0	0	0	0	53,883	9,344	0
April	10,500	10,423	9,042	0	1,640	0	73	0	56,787	9,042	0
May	8,610	10,168	8,531	0	1,979	0	99	0	56,728	8,531	0
June	5,270	8,169	5,270	0	1,935	0	105	0	55,179	5,270	0
July	3,140	6,129	3,140	0	1,999	0	99	0	53,543	3,140	0
Aug.	2,200	4,031	2,200	0	1,999	0	67	0	51,812	2,200	0
Sept.	1,510	1,965	1,510	0	1,935	0	30	0	50,115	1,510	0
Oct.	1,560	0	1,560	0	0	0	0	0	48,544	1,560	0
Nov.	1,840	0	1,840	0	0	0	0	0	46,994	1,840	0
Dec.	2,000	0	2,000	0	0	0	0	0	45,558	2,000	0
Total or average	72,710		60,160	9,467	11,487	0	473	0		60,160	10,464

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

OVER-YEAR STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 13, page 160.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity				240,000 acre-feet capacity							Year and month
Seasonally stored water in acre-feet	Yield in a uni- formly con- tinuous supply from over- year storage in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at be- ginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uni- formly con- tinuous supply from over- year storage in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spill-way in acre-feet	
0	1,352	0	0	114,458	4,428	5,570	0	2,520	0	0	1915
0	1,222	0	0	109,320	8,412	11,720	0	2,276	0	0	Jan.
0	1,352	0	0	117,112	9,344	0	0	2,520	0	0	Feb.
416	1,309	238	0	126,748	9,042	0	0	2,439	353	0	Mar.
2,090	1,352	341	0	132,214	9,344	0	0	2,520	494	0	April
4,759	1,309	414	0	140,256	8,967	0	1,326	2,439	603	0	May
5,717	1,352	468	0	138,321	7,010	0	2,189	2,520	706	0	June
5,717	1,352	407	0	132,906	3,980	0	2,188	2,520	640	0	July
5,533	1,309	293	0	127,558	3,270	0	2,109	2,439	480	0	Aug.
0	1,352	214	0	122,530	2,770	0	0	2,520	357	0	Sept.
0	1,309	139	0	119,653	3,010	0	0	2,439	236	0	Oct.
0	1,352	0	0	116,978	3,580	0	0	2,520	0	0	Nov.
24,232	15,922	2,514	0		73,157	17,290	7,812	29,672	3,869	0	Dec.
											Total or average
0	1,352	0	0	114,458	8,759	51,481	0	2,520	0	0	1916
0	1,265	0	0	199,698	8,741	99,327	0	2,358	0	0	Jan.
0	1,352	0	0	128,672	9,344	2,340	0	2,520	0	0	Feb.
4,045	1,309	284	0	149,268	9,042	0	1,398	2,439	389	0	Mar.
6,393	1,352	379	0	155,900	9,130	0	3,626	2,520	541	0	April
6,484	1,309	430	0	150,483	5,830	0	3,819	2,439	633	0	May
6,639	1,352	480	0	143,592	4,770	0	3,946	2,520	724	0	June
6,639	1,352	412	0	136,402	3,570	0	3,945	2,520	650	0	July
6,425	1,309	295	0	129,287	2,810	0	3,832	2,439	486	0	Aug.
0	1,352	214	0	122,530	6,473	0	0	2,520	357	0	Sept.
0	1,309	131	0	120,190	4,130	0	0	2,439	236	0	Oct.
0	1,352	0	0	117,515	5,253	141	0	2,520	0	0	Nov.
36,625	15,965	2,625	0		77,852	153,289	20,566	29,754	4,016	0	Dec.
											Total or average
0	1,352	0	0	123,201	8,172	12,270	0	2,520	0	0	1917
0	1,222	0	0	109,519	7,551	0	0	2,276	0	0	Jan.
0	1,352	0	0	112,892	9,344	0	0	2,520	0	0	Feb.
0	1,309	208	0	114,628	9,042	0	0	2,439	325	0	Mar.
0	1,352	276	0	113,322	8,531	0	0	2,520	432	0	April
0	1,309	327	0	110,449	5,270	0	0	2,439	508	0	May
0	1,352	379	0	107,502	3,140	0	0	2,520	589	0	June
0	1,352	345	0	104,393	2,200	0	0	2,520	539	0	July
0	1,309	262	0	101,334	1,510	0	0	2,439	408	0	Aug.
0	1,352	198	0	98,487	1,560	0	0	2,520	305	0	Sept.
0	1,309	127	0	95,662	1,809	0	0	2,439	202	0	Oct.
0	1,352	0	0	93,021	2,000	0	0	2,520	0	0	Nov.
0	15,922	2,122	0		60,160	12,270	0	29,672	3,308	0	Dec.
											Total or average

TABLE 13a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL, SEASONAL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity							180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1918											
Jan.	2,020	0	2,020	0	0	0	0	0	44,206	2,020	0
Feb.	9,330	0	3,847	0	0	0	0	0	42,854	3,847	0
Mar.	73,200	5,483	9,249	11,341	0	0	0	0	47,115	9,249	3,595
April	17,000	58,093	9,642	0	9,314	0	206	0	106,119	9,642	0
May	10,000	56,531	8,993	0	11,216	0	276	0	105,858	8,993	0
June	6,010	46,046	6,010	0	11,097	0	292	0	96,679	6,010	0
July	3,970	34,657	3,970	0	11,467	0	293	0	86,528	3,970	0
Aug.	2,840	22,897	2,840	0	11,467	0	218	0	76,012	2,840	0
Sept.	2,330	11,212	2,330	0	11,099	0	113	0	65,632	2,330	0
Oct.	2,930	0	2,930	0	0	0	0	0	55,697	2,930	0
Nov.	3,140	0	3,140	0	0	0	0	0	54,131	3,140	0
Dec.	4,370	0	4,370	0	0	0	0	0	52,683	4,370	0
Total or average	137,140		58,741	11,341	65,660	0	1,398	0		58,741	3,595
1919											
Jan.	3,300	0	3,300	0	0	0	0	0	51,331	3,300	0
Feb.	4,110	0	4,110	0	0	0	0	0	49,979	4,110	0
Mar.	6,110	0	6,110	0	0	0	0	0	48,757	6,110	0
April	6,010	0	6,010	0	0	0	0	0	47,405	6,010	0
May	3,810	0	3,810	0	0	0	0	0	45,914	3,810	0
June	1,890	0	1,890	0	0	0	0	0	44,318	1,890	0
July	1,320	0	1,320	0	0	0	0	0	42,725	1,320	0
Aug.	935	0	935	0	0	0	0	0	41,044	935	0
Sept.	1,010	0	1,010	0	0	0	0	0	39,393	1,010	0
Oct.	2,040	0	2,040	0	0	0	0	0	37,854	2,040	0
Nov.	2,130	0	2,130	0	0	0	0	0	36,331	2,130	0
Dec.	5,340	0	5,209	0	0	0	0	0	34,913	5,209	0
Total or average	38,005		37,874	0	0	0	0	0		37,874	0
1920											
Jan.	3,260	131	3,260	0	0	0	0	0	33,692	3,260	0
Feb.	12,700	131	5,854	0	0	0	0	0	32,340	5,854	0
Mar.	36,200	6,977	9,344	0	0	0	0	0	37,921	9,344	0
April	25,100	33,833	9,042	0	5,389	0	153	0	63,425	9,042	0
May	12,600	44,349	9,344	0	8,776	0	240	0	77,938	9,344	0
June	7,380	38,589	7,349	0	9,286	0	264	0	76,737	7,349	0
July	4,670	29,070	4,670	0	9,603	0	270	0	71,554	4,670	0
Aug.	3,200	19,197	3,200	0	9,603	0	200	0	66,191	3,200	0
Sept.	2,030	9,394	2,030	0	9,292	0	102	0	60,817	2,030	0
Oct.	2,000	0	2,000	0	0	0	0	0	55,708	2,000	0
Nov.	2,380	0	2,380	0	0	0	0	0	54,142	2,380	0
Dec.	2,210	0	2,210	0	0	0	0	0	52,694	2,210	0
Total or average	113,730		60,683	0	51,949	0	1,229	0		60,683	0

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

OVER-YEAR STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 13, page 160.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity				240,000 acre-feet capacity							Year and month
Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	
0	1,352	0	0	90,501	2,020	0	0	2,520	0	0	1918
0	1,222	0	0	87,981	3,847	0	0	2,276	0	0	Jan.
0	1,352	0	0	91,188	9,249	0	0	2,520	0	0	Feb.
6,603	1,309	307	0	152,619	9,042	0	1,981	2,439	395	0	Mar.
8,422	1,352	412	0	155,762	8,993	0	3,603	2,520	541	0	April
8,388	1,309	454	0	150,105	6,010	0	3,729	2,439	633	0	May
8,668	1,352	496	0	143,304	3,970	0	3,854	2,520	724	0	June
8,606	1,352	422	0	136,206	2,840	0	3,854	2,520	650	0	July
8,329	1,309	297	0	129,182	2,330	0	3,727	2,439	486	0	Aug.
0	1,352	214	0	122,530	2,930	6	0	2,520	357	0	Sept.
0	1,309	139	0	119,653	3,140	0	0	2,439	236	0	Oct.
0	1,352	0	0	116,978	4,370	0	0	2,520	0	0	Nov.
											Dec.
49,016	15,922	2,741	0		58,741	0	20,748	29,072	4,022	0	Total or average
0	1,352	0	0	114,458	3,300	0	0	2,520	0	0	1919
0	1,222	0	0	111,938	4,110	0	0	2,276	0	0	Jan.
0	1,352	0	0	109,662	6,110	0	0	2,520	0	0	Feb.
0	1,309	182	0	107,142	6,010	0	0	2,439	310	0	Mar.
0	1,352	244	0	104,393	3,810	0	0	2,520	412	0	April
0	1,309	284	0	101,461	1,890	0	0	2,439	485	0	May
0	1,352	329	0	98,537	1,320	0	0	2,520	561	0	June
0	1,352	239	0	95,456	935	0	0	2,520	514	0	July
0	1,309	230	0	92,422	1,010	0	0	2,439	387	0	Aug.
0	1,352	171	0	89,596	2,040	0	0	2,520	291	0	Sept.
0	1,309	109	0	86,785	2,130	0	0	2,439	190	0	Oct.
0	1,352	0	0	84,156	5,209	0	0	2,520	0	0	Nov.
											Dec.
0	15,922	1,848	0		37,874	0	0	29,612	3,150	0	Total or average
0	1,352	0	0	81,767	3,260	0	0	2,520	0	0	1920
0	1,265	0	0	79,247	5,854	0	0	2,358	0	0	Jan.
0	1,352	0	0	83,735	9,344	0	0	2,520	0	0	Feb.
0	1,309	236	0	108,071	9,042	0	0	2,439	311	0	Mar.
2,766	1,352	339	0	121,379	9,344	0	0	2,520	462	0	April
3,510	1,309	395	0	121,653	7,349	0	0	2,439	547	0	May
3,565	1,352	446	0	118,098	4,670	0	0	2,520	635	0	June
3,627	1,352	395	0	115,543	3,200	0	0	2,520	581	0	July
3,510	1,309	290	0	112,442	2,030	0	0	2,439	442	0	Aug.
0	1,352	214	0	109,561	2,000	0	0	2,520	331	0	Sept.
0	1,309	139	0	106,710	2,380	0	0	2,439	218	0	Oct.
0	1,352	0	0	104,053	2,210	0	0	2,520	0	0	Nov.
											Dec.
16,978	15,965	2,454	0		60,683	0	0	29,754	3,527	0	Total or average

TABLE 13a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL, SEASONAL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity							180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1921											
Jan.	5,160	0	4,405	0	0	0	0	0	51,342	4,405	0
Feb.	4,490	755	4,490	0	0	0	0	0	50,745	4,490	0
Mar.	15,400	755	7,288	0	0	0	0	0	49,523	7,288	0
April	6,070	8,867	6,070	0	1,386	0	67	0	56,283	6,070	0
May	15,700	7,414	6,835	0	1,432	0	85	0	54,770	6,835	0
June	8,980	14,762	7,920	0	3,510	0	155	0	62,002	7,920	0
July	3,830	12,157	3,830	0	3,978	0	169	0	61,399	3,830	0
Aug.	2,450	8,010	2,450	0	3,978	0	121	0	59,450	2,450	0
Sept.	1,840	3,911	1,840	0	3,859	0	52	0	57,536	1,840	0
Oct.	2,040	0	2,040	0	0	0	0	0	55,703	2,040	0
Nov.	1,800	0	1,800	0	0	0	0	0	54,137	1,800	0
Dec.	119,000	0	5,045	38,907	0	0	0	0	52,689	5,045	39,506
Total or average	186,760		54,013	38,907	18,143	0	649	0		54,013	39,506
1922											
Jan.	62,100	75,048	9,344	108,425	0	0	0	0	125,786	9,344	107,332
Feb.	88,900	19,379	8,440	83,060	0	0	0	0	69,858	8,440	83,316
Mar.	47,800	16,779	9,344	3,196	0	0	0	0	65,780	9,344	2,882
April	31,400	52,039	9,042	0	8,334	0	192	0	100,002	9,042	0
May	24,700	65,871	9,344	0	13,084	0	303	0	115,088	9,344	0
June	14,400	67,840	9,042	0	16,400	0	373	0	118,319	9,042	0
July	9,100	56,425	8,576	0	18,735	0	392	0	108,104	8,576	0
Aug.	5,080	37,822	5,080	0	18,997	0	287	0	90,789	5,080	0
Sept.	3,290	18,538	3,290	0	18,385	0	153	0	72,867	3,290	0
Oct.	3,110	0	3,110	0	0	0	0	0	55,724	3,110	0
Nov.	5,310	0	4,519	0	0	0	0	0	54,158	4,519	0
Dec.	21,500	791	8,456	0	0	0	0	0	53,499	8,456	1,990
Total or average	316,690		87,587	194,681	93,935	0	1,700	0		87,587	195,520
1923											
Jan.	7,130	13,835	6,968	13,042	0	0	0	0	63,201	6,968	12,056
Feb.	7,830	955	7,791	0	0	0	0	0	49,955	7,791	0
Mar.	7,320	994	7,320	0	0	0	0	0	48,772	7,320	0
April	8,330	994	8,079	0	157	0	8	0	47,420	8,079	0
May	5,480	1,080	5,480	0	210	0	12	0	46,180	5,480	0
June	3,700	858	3,700	0	204	0	12	0	44,584	3,700	0
July	2,420	642	2,420	0	212	0	8	0	42,987	2,420	0
Aug.	1,990	422	1,990	0	212	0	6	0	41,204	1,990	0
Sept.	1,750	204	1,750	0	204	0	0	0	39,653	1,750	0
Oct.	1,710	0	1,710	0	0	0	0	0	38,112	1,710	0
Nov.	1,960	0	1,960	0	0	0	0	0	36,589	1,960	0
Dec.	2,130	0	2,130	0	0	0	0	0	35,169	2,130	0
Total or average	51,750		51,298	13,042	1,199	0	46	0		51,298	12,056

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

OVER-YEAR STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 13, page 160.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity				240,000 acre-feet capacity							Year and month
Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	
1921											Jan.
0	1,352	0	0	101,533	4,405	0	0	2,520	0	0	
0	1,222	0	0	99,768	4,490	0	0	2,276	0	0	Feb.
0	1,352	0	0	97,492	7,288	0	0	2,520	0	0	Mar.
0	1,309	204	0	103,084	6,070	0	0	2,439	301	0	April
0	1,352	281	0	100,344	6,835	0	0	2,520	403	0	May
0	1,309	354	0	106,286	7,920	0	0	2,439	500	0	June
184	1,352	413	0	104,407	3,830	0	0	2,520	583	0	July
184	1,352	378	0	101,304	2,450	0	0	2,520	533	0	Aug.
238	1,309	286	0	98,251	1,840	0	0	2,439	404	0	Sept.
0	1,352	214	0	95,408	2,040	0	0	2,520	303	0	Oct.
0	1,309	139	0	92,585	1,800	0	0	2,439	198	0	Nov.
0	1,352	0	0	89,948	5,045	20,952	0	2,520	0	0	Dec.
606	15,922	2,269	0	54,013	20,952	0	29,672	3,225	0	0	Total or average
1922											Jan.
0	1,352	0	0	180,431	9,344	103,406	0	2,520	0	0	
0	1,222	0	0	127,261	8,440	79,666	0	2,276	0	0	Feb.
0	1,352	0	0	125,779	9,344	2,562	0	2,520	0	0	Mar.
5,652	1,309	311	0	159,153	9,042	0	2,974	2,439	406	0	April
10,327	1,352	446	0	175,692	9,344	0	7,605	2,520	589	0	May
13,742	1,309	522	0	180,334	9,042	0	11,108	2,439	720	0	June
15,922	1,352	565	0	171,425	8,576	0	13,268	2,520	821	0	July
16,106	1,352	404	0	155,340	5,080	0	13,533	2,520	712	0	Aug.
15,527	1,309	307	0	138,575	3,290	0	13,098	2,439	508	0	Sept.
0	1,352	214	0	122,530	3,110	0	0	2,520	357	0	Oct.
0	1,309	141	0	119,653	4,519	0	0	2,439	236	0	Nov.
0	1,352	0	0	117,769	8,456	5,092	0	2,520	0	0	Dec.
77,276	15,922	2,970	0	87,587	190,726	61,586	29,672	4,349	0	0	Total or average
1923											Jan.
0	1,352	0	0	123,201	6,968	10,928	0	2,520	0	0	
0	1,222	0	0	109,915	7,791	0	0	2,276	0	0	Feb.
0	1,352	0	0	107,678	7,320	0	0	2,520	0	0	Mar.
0	1,309	182	0	105,158	8,079	0	0	2,439	305	0	April
0	1,352	244	0	102,665	5,480	0	0	2,520	403	0	May
0	1,309	288	0	99,742	3,700	0	0	2,439	474	0	June
0	1,352	331	0	96,829	2,420	0	0	2,520	549	0	July
0	1,352	299	0	93,760	1,990	0	0	2,520	500	0	Aug.
0	1,309	232	0	90,740	1,750	0	0	2,439	379	0	Sept.
0	1,352	171	0	87,922	1,710	0	0	2,520	288	0	Oct.
0	1,309	111	0	85,114	1,960	0	0	2,439	186	0	Nov.
0	1,352	0	0	82,489	2,130	0	0	2,520	0	0	Dec.
0	15,922	1,858	0	51,298	10,928	0	29,672	3,084	0	0	Total or average

TABLE 13a (Continued). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL, SEASONAL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-
Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity							180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1924											
Jan.	2,170	0	2,170	0	0	0	0	0	33,817	2,170	0
Feb.	1,790	0	1,790	0	0	0	0	0	32,465	1,790	0
Mar.	4,130	0	3,714	0	0	0	0	0	31,200	3,714	0
April	6,190	416	6,190	0	59	0	8	0	30,264	6,190	0
May	3,650	349	3,650	0	61	0	10	0	28,814	3,650	0
June	1,660	278	1,660	0	59	0	10	0	27,276	1,660	0
July	1,000	209	1,000	0	61	0	12	0	25,753	1,000	0
Aug.	756	136	756	0	61	0	10	0	24,153	756	0
Sept.	744	65	744	0	59	0	6	0	22,579	744	0
Oct.	873	0	873	0	0	0	0	0	21,103	873	0
Nov.	1,190	0	1,190	0	0	0	0	0	19,628	1,190	0
Dec.	1,780	0	1,780	0	0	0	0	0	18,240	1,780	0
Total or average	25,933		25,517	0	360	0	56	0		25,517	0
1925											
Jan.	1,710	0	1,710	0	0	0	0	0	16,888	1,710	0
Feb.	1,620	0	1,620	0	0	0	0	0	15,536	1,620	0
Mar.	2,510	0	2,423	0	0	0	0	0	14,314	2,423	0
April	7,200	87	5,765	0	0	0	4	0	13,049	5,765	0
May	3,050	1,518	3,050	0	285	0	29	0	13,086	3,050	0
June	1,840	1,204	1,840	0	278	0	28	0	11,629	1,840	0
July	824	898	824	0	285	0	24	0	10,189	824	0
Aug.	621	589	621	0	285	0	16	0	8,696	621	0
Sept.	492	288	492	0	278	0	10	0	7,227	492	0
Oct.	873	0	873	0	0	0	0	0	5,837	873	0
Nov.	1,010	0	1,010	0	0	0	0	0	4,433	1,010	0
Dec.	1,650	0	1,650	0	0	0	0	0	3,096	1,650	0
Total or average	23,400		21,878	0	1,411	0	111	0		21,878	0

TABLE 13a (Concluded). SAN GABRIEL

WATER YIELD UNDER

FLOOD CONTROL, SEASONAL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Reservoir emptied of seas

Year and month	Run-off at Azusa in acre-feet	Maximum flood control reserve or first 131,000 acre-feet of capacity							180,000 acre-		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1926											
Jan.	1,540	0	1,540	0	0	0	0	0	1,744	1,540	0
Feb.	7,940	0	5,485	0	0	0	0	0	392	5,485	0
Mar.	3,650	2,455	3,650	0	0	0	0	0	1,625	3,650	0
April	69,000	2,455	8,233	0	383	0	32	0	273	8,233	0
May	13,000	62,807	9,142	0	12,471	0	294	0	59,572	9,142	0
June	5,500	53,900	5,500	0	13,006	0	323	0	61,785	5,500	0
July	3,120	40,571	3,120	0	13,441	0	321	0	60,127	3,120	0
Aug.	2,070	26,809	2,070	0	13,441	0	239	0	58,367	2,070	0
Sept.	1,580	13,129	1,580	0	13,001	0	128	0	56,642	1,580	0
Oct.	0							0	55,049		0
Nov.											
Dec.											
Totals or average	107,400		40,320	0	65,743	0	1,337	0		40,320	0
Total for period, Jan. 1, 1897, to Oct. 1, 1926	3,731,977		1,513,303	1,103,359	1,091,252	0	24,063	0		1,513,303	*1,010,662
Average for period, Jan. 1, 1897, to Oct. 1, 1926	125,445		50,867	37,088	36,681	0	809	0		50,867	*33,972

* These figures contain 7601 acre-feet total or an average of 256 acre-feet per season of water contributed from outside the exact period of analysis. In the computations from which this table is prepared, the water in storage on October 1, 1926, the end of the period, is less by this amount than on January 1, 1897, the beginning of the period. Since in the computations, this water was released as flood control water during the first flood season of the period, the exact yield of flood control water for the period is less than here shown by this amount.

RESERVOIR ON SAN GABRIEL RIVER.

"COORDINATED PLAN."

OVER-YEAR STORAGE COORDINATED.

tions Carried Out on a Daily Basis.

mary, see Table 13, page 160.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

onal storage each year.

feet capacity				240,000 acre-feet capacity							Year and month
Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights (first 152 second-feet of natural flow) in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Seasonally stored water in acre-feet	Yield in a uniformly continuous supply from over-year storage in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spill-way in acre-feet	
0	1,352	0	0	18,504	1,540	0	0	2,520	0	0	1926
0	1,222	0	0	15,984	5,485	0	0	2,276	0	0	Jan.
0	1,352	0	0	16,163	3,650	0	0	2,520	0	0	Feb.
0	1,309	159	0	13,643	8,233	0	0	2,439	196	0	Mar.
0	1,352	293	0	71,775	9,142	0	0	2,520	325	0	April
0	1,309	349	0	72,788	5,500	0	0	2,439	385	0	May
0	1,352	408	0	69,964	3,120	0	0	2,520	442	0	June
0	1,352	373	0	67,002	2,070	0	0	2,520	403	0	July
0	1,309	284	0	64,079	1,580	0	0	2,439	303	0	Aug.
0				61,337		0	0			0	Sept.
											Oct.
											Nov.
											Dec.
0	11,909	1,866	0		40,320	0	0	22,193	2,054	0	Total or average
676,322	473,905	65,386	0		1,513,303	891,925	410,812	883,173	94,077	0	Total for period, Jan. 1, 1897, to Oct. 1, 1926
22,734	15,930	2,198	0		50,867	^b 29,981	^b 13,809	^b 29,686	3,162	0	Average for period, Jan. 1, 1897, to Oct. 1, 1926

^b These figures contain 61,313 acre-feet total or an average of 2060 acre-feet per season of water contributed from outside the exact period of analysis. In the computations from which this table is prepared, the water in storage on October 1, 1926, the end of the period, is less by this amount than on January 1, 1897, the beginning of the period. A supplementary analysis, having the same amount of water in storage at the beginning and at the end of the period, was made to obtain the exact yield for the period. This gave 22,200, 25,900 and 23,300 acre-feet per season, respectively, for the flood control water seasonally stored water, and uniformly continuous flow instead of 29,981, 13,809, and 29,686 acre-feet, respectively, that are shown herein.

TABLE 15a. SAN GABRIEL RESER
COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1897								
Jan.	3,617	62,650	3,617	11,779	1,352	0	0	0
Feb.	19,146	49,519	7,262	4,628	1,222	0	0	0
Mar.	28,623	55,553	9,344	0	1,352	0	0	0
April	17,519	73,480	9,042	0	1,309	1,249	234	0
May	8,851	79,165	8,126	0	1,352	3,012	343	0
June	4,033	75,183	4,033	0	1,309	3,093	396	0
July	2,343	70,385	2,343	0	1,352	3,197	447	0
Aug.	1,613	65,389	1,613	0	1,352	3,197	393	0
Sept.	1,226	60,447	1,226	0	1,309	3,153	290	0
Oct.	5,564	55,695	2,622	0	1,352	0	220	0
Nov.	1,860	57,035	1,860	0	1,309	0	143	0
Dec.	1,875	55,613	1,875	0	1,352	0	0	0
Total or average	96,270		52,963	16,407	15,922	16,901	2,466	0
1898								
Jan.	2,453	54,261	2,453	0	1,352	0	0	0
Feb.	2,241	52,909	2,241	0	1,222	0	0	0
Mar.	2,131	51,687	2,131	0	1,352	0	0	0
April	1,950	50,335	1,950	0	1,309	0	190	0
May	2,213	48,836	2,213	0	1,352	0	252	0
June	1,159	47,232	1,159	0	1,309	0	296	0
July	672	45,627	672	0	1,352	0	343	0
Aug.	456	43,932	456	0	1,352	0	313	0
Sept.	467	42,267	467	0	1,309	0	238	0
Oct.	533	40,720	533	0	1,352	0	179	0
Nov.	580	39,189	580	0	1,309	0	115	0
Dec.	832	37,765	832	0	1,352	0	0	0
Total or average	15,687		15,687	0	15,922	0	1,926	
1899								
Jan.	1,414	36,413	1,414	0	1,352	0	0	0
Feb.	1,244	35,061	1,244	0	1,222	0	0	0
Mar.	1,623	33,839	1,623	0	1,352	0	0	0
April	1,262	32,487	1,262	0	1,309	0	149	0
May	842	31,029	842	0	1,352	0	194	0
June	565	29,483	565	0	1,309	0	224	0
July	221	27,950	221	0	1,352	0	260	0
Aug.	295	26,338	295	0	1,352	0	234	0
Sept.	220	24,752	220	0	1,309	0	175	0
Oct.	683	23,268	683	0	1,352	0	129	0
Nov.	847	21,787	847	0	1,309	0	83	0
Dec.	1,247	20,395	1,247	0	1,352	0	0	0
Total or average	10,463		10,463	0	15,922	0	1,448	0

VOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE.

tions Carried out on a Daily Basis.
mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
49,122	3,617	0	1,107	0	0	0	1897
48,015	7,262	9,778	999	0	0	0	Jan.
49,122	9,344	18,172	1,107	0	0	0	Feb.
49,122	9,042	5,983	1,071	0	188	0	Mar.
50,357	8,126	0	1,107	0	260	0	April
49,715	4,033	0	1,071	0	305	0	May
48,339	2,343	0	1,107	0	357	0	June
46,875	1,613	0	1,107	0	329	0	July
45,439	1,226	0	1,071	0	250	0	Aug.
44,118	2,622	0	1,107	0	190	0	Sept.
45,763	1,860	0	1,071	0	127	0	Oct.
44,565	1,875	0	1,107	0	0	0	Nov.
							Dec.
	52,903	33,933	13,032	0	2,006	0	Total or average
43,458	2,453	0	1,107	0	0	0	1898
42,351	2,241	0	999	0	0	0	Jan.
41,352	2,131	0	1,107	0	0	0	Feb.
40,245	1,950	0	1,071	0	165	0	Mar.
39,009	2,213	0	1,107	0	222	0	April
37,680	1,159	0	1,071	0	260	0	May
36,349	672	0	1,107	0	299	0	June
34,943	456	0	1,107	0	274	0	July
33,562	467	0	1,071	0	210	0	Aug.
32,281	533	0	1,107	0	157	0	Sept.
31,017	580	0	1,071	0	101	0	Oct.
29,845	832	0	1,107	0	0	0	Nov.
							Dec.
	15,687	0	13,032	0	1,688	0	Total or average
28,738	1,414	0	1,107	0	0	0	1899
27,631	1,244	0	999	0	0	0	Jan.
26,632	1,623	0	1,107	0	0	0	Feb.
25,525	1,262	0	1,071	0	129	0	Mar.
24,325	842	0	1,107	0	171	0	April
23,047	565	0	1,071	0	196	0	May
21,780	221	0	1,107	0	226	0	June
20,447	295	0	1,107	0	204	0	July
19,136	220	0	1,071	0	153	0	Aug.
17,912	683	0	1,107	0	113	0	Sept.
16,692	847	0	1,071	0	71	0	Oct.
15,550	1,247	0	1,107	0	0	0	Nov.
							Dec.
	10,463	0	13,032	0	1,263	0	Total or average

TABLE 15a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram Reservoir emptied each summer to a level that would maintain constant draft through critica period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1900								
Jan.	1,968	19,043	1,968	0	1,352	0	0	0
Feb.	1,111	17,691	1,111	0	1,222	0	0	0
Mar.	1,230	16,469	1,230	0	1,352	0	0	0
April	1,012	15,117	1,012	0	1,309	0	95	0
May	2,275	13,713	2,275	0	1,352	0	121	0
June	893	12,240	893	0	1,309	0	135	0
July	369	10,796	369	0	1,352	0	149	0
Aug.	246	9,295	246	0	1,352	0	123	0
Sept.	238	7,820	238	0	1,309	0	85	0
Oct.	307	6,426	307	0	1,352	0	56	0
Nov.	11,068	5,018	1,058	0	1,309	0	32	0
Dec.	1,269	13,687	1,269	0	1,352	0	0	0
Total or average	21,986		11,976	0	15,922	0	796	0
1901								
Jan.	10,391	12,335	6,661	0	1,352	0	0	0
Feb.	38,709	14,713	8,350	0	1,222	0	0	0
Mar.	13,589	43,850	9,138	0	1,352	0	0	0
April	6,545	46,949	6,545	0	1,309	0	181	0
May	7,440	45,459	6,990	0	1,352	0	240	0
June	3,749	44,317	3,749	0	1,309	0	286	0
July	1,845	42,722	1,845	0	1,352	0	329	0
Aug.	1,240	41,041	1,240	0	1,352	0	300	0
Sept.	1,012	39,389	1,012	0	1,309	0	230	0
Oct.	1,476	37,850	1,476	0	1,352	0	171	0
Nov.	1,904	36,327	1,904	0	1,309	0	109	0
Dec.	1,660	34,909	1,660	0	1,352	0	0	0
Total or average	89,560		50,570	0	15,922	0	1,846	0
1902								
Jan.	1,722	33,557	1,722	0	1,352	0	0	0
Feb.	2,055	32,205	2,055	0	1,222	0	0	0
Mar.	6,088	30,983	5,590	0	1,352	0	0	0
April	3,928	30,129	3,928	0	1,309	0	141	0
May	2,398	28,679	2,398	0	1,352	0	184	0
June	1,190	27,143	1,190	0	1,309	0	214	0
July	676	25,620	676	0	1,352	0	246	0
Aug.	430	24,022	430	0	1,352	0	222	0
Sept.	298	22,448	298	0	1,309	0	167	0
Oct.	430	20,972	430	0	1,352	0	123	0
Nov.	1,131	19,497	1,131	0	1,309	0	77	0
Dec.	1,968	18,111	1,968	0	1,352	0	0	0
Total or average	22,314		21,816	0	15,922	0	1,374	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE

tions Carried out on a Daily Basis.

mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season							Year and month
Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
14,443	1,968	0	1,107	0	0	0	1900
13,336	1,111	0	999	0	0	0	Jan.
12,337	1,230	0	1,107	0	0	0	Feb.
11,230	1,012	0	1,071	0	77	0	Mar.
10,082	2,275	0	1,107	0	99	0	April
8,876	893	0	1,071	0	113	0	May
7,692	369	0	1,107	0	121	0	June
6,464	246	0	1,107	0	95	0	July
5,262	238	0	1,071	0	63	0	Aug.
4,128	307	0	1,107	0	40	0	Sept.
2,981	1,058	0	1,071	0	36	0	Oct.
11,884	1,269	0	1,107	0	0	0	Nov.
							Dec.
	11,976	0	13,032	0	644	0	Total or average
10,777	6,661	0	1,107	0	0	0	1901
13,400	8,350	0	999	0	0	0	Jan.
42,760	9,138	0	1,107	0	0	0	Feb.
46,104	6,545	0	1,071	0	178	0	Mar.
44,855	6,990	0	1,107	0	246	0	April
43,952	3,749	0	1,071	0	284	0	May
42,597	1,845	0	1,107	0	329	0	June
41,161	1,240	0	1,107	0	301	0	July
39,753	1,012	0	1,071	0	232	0	Aug.
38,450	1,476	0	1,107	0	173	0	Sept.
37,170	1,904	0	1,071	0	111	0	Oct.
35,988	1,660	0	1,107	0	0	0	Nov.
							Dec.
	50,570	0	13,032	0	1,854	0	Total or average
34,881	1,722	0	1,107	0	0	0	1902
33,774	2,055	0	999	0	0	0	Jan.
32,775	5,590	0	1,107	0	0	0	Feb.
32,166	3,928	0	1,071	0	147	0	Mar.
30,948	2,398	0	1,107	0	194	0	April
29,647	1,190	0	1,071	0	226	0	May
28,350	676	0	1,107	0	262	0	June
26,981	430	0	1,107	0	238	0	July
25,636	298	0	1,071	0	178	0	Aug.
24,387	430	0	1,107	0	133	0	Sept.
23,147	1,131	0	1,071	0	85	0	Oct.
21,991	1,968	0	1,107	0	0	0	Nov.
							Dec.
	21,816	0	13,032	0	1,463	0	Total or average

TABLE 15a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1903								
Jan.	9,100	16,759	2,536	0	1,352	0	0	0
Feb.	5,665	21,971	5,497	0	1,222	0	0	0
Mar.	15,802	20,917	7,898	0	1,352	0	0	0
April	47,127	27,469	9,042	0	1,309	0	180	0
May	13,343	64,065	9,116	0	1,352	0	307	0
June	5,653	66,633	5,653	0	1,309	1,012	365	0
July	2,644	63,947	2,644	0	1,352	1,107	421	0
Aug.	1,783	61,067	1,783	0	1,352	1,045	379	0
Sept.	1,488	58,291	1,488	0	1,309	1,071	288	0
Oct.	1,476	55,623	1,476	0	1,352	0	214	0
Nov.	1,428	54,037	1,428	0	1,309	0	139	0
Dec.	1,476	52,609	1,476	0	1,352	0	0	0
Total or average	106,985		50,037	0	15,922	4,235	2,293	0
1904								
Jan.	1,500	51,257	1,500	0	1,352	0	0	0
Feb.	2,744	49,905	2,177	0	1,265	0	0	0
Mar.	6,813	49,207	4,724	0	1,352	0	0	0
April	5,337	49,944	5,337	0	1,309	0	188	0
May	4,089	48,447	4,089	0	1,352	0	250	0
June	1,517	46,845	1,517	0	1,309	0	296	0
July	861	45,210	861	0	1,352	0	343	0
Aug.	793	43,545	793	0	1,352	0	313	0
Sept.	643	41,880	643	0	1,309	0	238	0
Oct.	738	40,333	738	0	1,352	0	179	0
Nov.	762	38,802	762	0	1,309	0	115	0
Dec.	1,039	37,378	1,039	0	1,352	0	0	0
Total or average	26,836		24,180	0	15,965	0	1,922	0
1905								
Jan.	2,251	36,026	2,251	0	1,352	0	0	0
Feb.	25,880	34,674	8,206	0	1,222	0	0	0
Mar.	75,140	51,126	9,281	13,658	1,352	0	0	0
April	19,580	101,875	9,042	0	1,309	5,949	303	0
May	17,090	104,952	9,344	0	1,352	8,237	411	0
June	8,271	102,698	7,960	0	1,309	9,875	470	0
July	5,103	91,355	5,103	0	1,352	10,266	512	0
Aug.	2,631	79,225	2,631	0	1,352	10,266	432	0
Sept.	1,869	67,175	1,869	0	1,309	9,935	300	0
Oct.	1,770	55,631	1,770	0	1,352	0	214	0
Nov.	2,660	54,065	2,660	0	1,309	0	139	0
Dec.	2,470	52,617	2,470	0	1,352	0	0	0
Total or average	164,715		62,587	13,658	15,922	54,528	2,781	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE.

tions Carried out on a Daily Basis.

mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
20,884	2,536	0	1,107	0	0	0	1903
26,341	5,497	0	999	0	0	0	Jan.
25,510	7,898	0	1,107	0	0	0	Feb.
32,307	9,042	11,429	1,071	0	192	0	Mar.
57,700	9,116	0	1,107	61	286	0	April
60,473	5,653	0	1,071	892	345	0	May
58,165	2,644	0	1,107	922	397	0	June
55,739	1,783	0	1,107	922	361	0	July
53,349	1,488	0	1,071	952	272	0	Aug.
51,054	1,476	0	1,107	839	202	0	Sept.
48,906	1,428	0	1,071	0	131	0	Oct.
47,704	1,476	0	1,107	0	0	0	Nov.
							Dec.
	50,037	11,429	13,032	4,588	2,186	0	Total or average
46,597	1,500	0	1,107	0	0	0	1904
45,490	2,177	0	1,035	0	0	0	Jan.
45,022	4,724	0	1,107	0	0	0	Feb.
46,004	5,337	0	1,071	0	178	0	Mar.
44,755	4,089	0	1,107	0	240	0	April
43,408	1,517	0	1,071	0	282	0	May
42,055	861	0	1,107	0	327	0	June
40,621	793	0	1,107	0	297	0	July
39,217	643	0	1,071	0	230	0	Aug.
37,916	738	0	1,107	0	171	0	Sept.
36,638	762	0	1,071	0	111	0	Oct.
35,456	1,039	0	1,107	0	0	0	Nov.
							Dec.
	24,180	0	13,068	0	1,836	0	Total or average
34,349	2,251	0	1,107	0	0	0	1905
33,242	8,206	795	999	0	0	0	Jan.
49,122	9,281	64,752	1,107	0	0	0	Feb.
49,122	9,042	7,463	1,071	0	188	0	Mar.
50,938	9,344	0	1,107	0	270	0	April
57,307	7,960	0	1,071	238	333	0	May
55,976	5,103	0	1,107	369	389	0	June
54,111	2,631	0	1,107	369	357	0	July
52,278	1,869	0	1,071	357	270	0	Aug.
50,580	1,770	0	1,107	401	202	0	Sept.
48,870	2,660	0	1,071	0	131	0	Oct.
47,668	2,470	0	1,107	0	0	0	Nov.
							Dec.
	62,587	73,010	13,032	1,734	2,140	0	Total or average

TABLE 15a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1906								
Jan.	4,240	51,265	3,633	0	1,352	0	0	0
Feb.	3,960	50,520	3,960	0	1,222	0	0	0
Mar.	129,000	49,298	7,561	23,965	1,352	0	0	0
April	34,600	145,420	9,042	15,432	1,309	13,028	357	0
May	21,000	140,852	9,344	0	1,352	15,553	498	0
June	15,500	135,105	9,042	0	1,309	17,843	569	0
July	9,350	121,842	8,664	0	1,352	20,527	609	0
Aug.	4,490	100,040	4,990	0	1,352	20,774	488	0
Sept.	2,840	77,426	2,840	0	1,309	20,043	315	0
Oct.	2,450	55,759	2,450	0	1,352	0	214	0
Nov.	2,400	54,193	2,400	0	1,309	0	139	0
Dec.	11,600	52,745	4,030	0	1,352	0	0	0
Total or average	241,430		67,456	39,397	15,922	107,768	3,189	0
1907								
Jan.	58,400	58,963	9,217	51,921	1,352	0	0	0
Feb.	47,100	54,873	8,439	29,904	1,222	0	0	0
Mar.	116,000	62,408	9,344	45,814	1,352	0	0	0
April	58,400	121,898	9,042	0	1,309	9,221	375	0
May	21,500	160,351	9,344	0	1,352	19,487	538	0
June	15,100	151,129	9,042	0	1,309	21,773	609	0
July	8,360	133,496	7,920	0	1,352	24,466	642	0
Aug.	5,390	107,476	5,390	0	1,352	24,651	462	0
Sept.	3,580	81,011	3,580	0	1,309	23,737	321	0
Oct.	4,090	55,644	4,090	0	1,352	0	214	0
Nov.	3,800	54,078	3,800	0	1,309	0	139	0
Dec.	3,600	52,630	3,600	0	1,352	0	0	0
Total or average	345,320		82,808	127,639	15,922	123,335	3,301	0
1908								
Jan.	11,100	51,278	4,973	5,543	1,352	0	0	0
Feb.	15,000	50,510	8,741	4,616	1,265	0	0	0
Mar.	12,700	50,888	9,255	0	1,352	0	0	0
April	9,280	52,981	8,656	0	1,309	0	196	0
May	7,190	52,100	7,139	0	1,352	0	262	0
June	4,190	50,537	4,190	0	1,309	0	309	0
July	2,560	48,919	2,560	0	1,352	0	359	0
Aug.	2,210	47,208	2,210	0	1,352	0	325	0
Sept.	1,820	45,531	1,820	0	1,309	0	252	0
Oct.	2,070	43,970	2,070	0	1,352	0	186	0
Nov.	1,960	42,432	1,960	0	1,309	0	123	0
Dec.	2,870	41,000	2,870	0	1,352	0	0	0
Total or average	72,950		56,444	10,159	15,965	0	2,012	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE

tions Carried out on a Daily Basis.

mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
46,561	3,633	0	1,107	0	0	0	1906
46,061	3,960	0	999	0	0	0	Jan.
45,062	7,561	69,126	1,107	0	0	0	Feb.
96,268	9,042	62,426	1,071	0	224	0	Mar.
58,105	9,344	0	1,107	123	295	0	April
68,236	9,042	0	1,071	2,439	377	0	May
70,807	8,684	0	1,107	4,242	442	0	June
65,702	4,490	0	1,107	4,488	391	0	July
59,716	2,840	0	1,071	4,283	286	0	Aug.
54,076	2,450	0	1,107	3,801	204	0	Sept.
48,964	2,400	0	1,071	0	131	0	Oct.
47,762	4,030	5,103	1,107	0	0	0	Nov.
							Dec.
	67,456	136,655	13,032	19,376	2,350	0	Total or average
49,122	9,217	48,076	1,107	0	0	0	1907
49,122	8,439	37,662	999	0	0	0	Jan.
49,122	9,344	98,043	1,107	0	0	0	Feb.
56,628	9,042	44,649	1,071	0	196	0	Mar.
60,070	9,344	0	1,107	430	303	0	April
70,356	9,042	0	1,071	2,915	385	0	May
72,073	7,920	0	1,107	4,610	448	0	June
66,348	5,390	0	1,107	4,733	395	0	July
60,113	3,580	0	1,071	4,581	290	0	Aug.
54,171	4,090	0	1,107	3,960	204	0	Sept.
48,900	3,800	0	1,071	0	131	0	Oct.
47,698	3,600	0	1,107	0	0	0	Nov.
							Dec.
	82,808	228,430	13,032	21,229	2,352	0	Total or average
46,591	4,973	2,489	1,107	0	0	0	1908
49,122	8,741	5,224	1,035	0	0	0	Jan.
49,122	9,255	2,338	1,107	0	0	0	Feb.
49,122	8,656	305	1,071	0	190	0	Mar.
48,180	7,139	0	1,107	0	250	0	April
46,874	4,190	0	1,071	0	295	0	May
45,508	2,560	0	1,107	0	343	0	June
44,058	2,210	0	1,107	0	313	0	July
42,638	1,820	0	1,071	0	240	0	Aug.
41,327	2,070	0	1,107	0	180	0	Sept.
40,040	1,960	0	1,071	0	117	0	Oct.
38,852	2,870	0	1,107	0	0	0	Nov.
							Dec.
	56,444	10,356	13,068	0	1,928	0	Total or average

TABLE 15a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1909								
Jan.	25,500	39,648	5,596	8,681	1,352	0	0	0
Feb.	59,400	49,519	8,440	41,897	1,222	0	0	0
Mar.	26,300	57,360	9,344	0	1,352	0	0	0
April	28,000	72,964	9,042	0	1,309	1,190	258	0
May	15,200	89,165	9,344	0	1,352	5,041	369	0
June	8,570	88,259	8,319	0	1,309	6,306	428	0
July	5,040	80,467	5,040	0	1,352	6,639	478	0
Aug.	3,120	71,998	3,120	0	1,352	6,578	412	0
Sept.	2,320	63,656	2,320	0	1,309	6,365	295	0
Oct.	2,310	55,687	2,310	0	1,352	0	214	0
Nov.	2,880	54,121	2,880	0	1,309	0	139	0
Dec.	20,900	52,673	6,346	1,682	1,352	0	0	0
Total or average	199,540		72,101	52,260	15,922	32,119	2,593	0
1910								
Jan.	69,500	64,193	9,344	72,870	1,352	0	0	0
Feb.	11,500	50,127	8,435	2,292	1,222	0	0	0
Mar.	9,590	49,678	9,029	0	1,352	0	0	0
April	8,270	48,887	8,120	0	1,309	0	186	0
May	5,050	47,542	5,050	0	1,352	0	250	0
June	3,560	45,940	3,560	0	1,309	0	291	0
July	2,450	44,340	2,450	0	1,352	0	337	0
Aug.	1,710	42,651	1,710	0	1,352	0	307	0
Sept.	1,370	40,992	1,370	0	1,309	0	234	0
Oct.	1,560	39,449	1,560	0	1,352	0	174	0
Nov.	1,870	37,923	1,870	0	1,309	0	113	0
Dec.	2,020	36,501	2,020	0	1,352	0	0	0
Total or average	118,450		54,518	75,162	15,922	0	1,892	0
1911								
Jan.	37,200	35,149	6,441	6,949	1,352	0	0	0
Feb.	44,300	57,607	8,440	38,010	1,222	0	0	0
Mar.	122,000	54,235	9,344	55,857	1,352	0	0	0
April	28,200	109,682	9,042	0	1,309	7,198	325	0
May	16,600	120,008	9,344	0	1,352	11,311	446	0
June	7,500	114,155	7,322	0	1,309	12,671	502	0
July	5,230	99,851	5,230	0	1,352	13,155	537	0
Aug.	3,610	84,807	3,610	0	1,352	13,094	446	0
Sept.	2,830	69,915	2,830	0	1,309	12,612	306	0
Oct.	3,140	55,688	3,140	0	1,352	0	215	0
Nov.	2,800	54,121	2,800	0	1,309	0	139	0
Dec.	2,870	52,673	2,870	0	1,352	0	0	0
Total or average	276,280		70,413	100,816	15,922	70,041	2,916	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE.

tions Carried out on a Daily Basis.

mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
							1909
37,745	5,596	7,420	1,107	0	0	0	Jan.
49,122	8,440	49,961	999	0	0	0	Feb.
49,122	9,344	15,849	1,107	0	0	0	Mar.
49,122	9,042	12,977	1,071	0	192	0	April
53,840	9,344	0	1,107	0	276	0	May
58,313	8,319	0	1,071	476	337	0	June
56,680	5,040	0	1,107	553	393	0	July
54,627	3,120	0	1,107	553	357	0	Aug.
52,610	2,320	0	1,071	535	272	0	Sept.
50,732	2,310	0	1,107	527	205	0	Oct.
48,893	2,880	0	1,071	0	133	0	Nov.
47,689	6,346	5,208	1,107	0	0	0	Dec.
						Total or average	
	72,101	91,415	13,032	2,644	2,165	0	
							1910
55,928	9,344	65,855	1,107	0	0	0	Jan.
49,122	8,435	2,147	999	0	0	0	Feb.
49,041	9,029	0	1,107	0	0	0	Mar.
48,495	8,120	0	1,071	0	186	0	April
47,388	5,050	0	1,107	0	248	0	May
46,033	3,560	0	1,071	0	292	0	June
44,670	2,450	0	1,107	0	341	0	July
43,222	1,710	0	1,107	0	311	0	Aug.
41,804	1,370	0	1,071	0	238	0	Sept.
40,495	1,560	0	1,107	0	178	0	Oct.
39,210	1,870	0	1,071	0	117	0	Nov.
38,022	2,020	0	1,107	0	0	0	Dec.
						Total or average	
	54,518	68,002	13,032	0	1,911	0	
							1911
36,915	6,441	10,419	1,107	0	0	0	Jan.
56,148	8,440	41,887	999	0	0	0	Feb.
49,122	9,344	99,133	1,107	0	0	0	Mar.
61,538	9,042	24,943	1,071	0	194	0	April
54,488	9,344	0	1,107	0	280	0	May
60,357	7,322	0	1,071	892	345	0	June
58,227	5,230	0	1,107	984	397	0	July
55,739	3,610	0	1,107	922	361	0	Aug.
53,349	2,830	0	1,071	952	272	0	Sept.
51,054	3,140	0	1,107	867	204	0	Oct.
48,876	2,800	0	1,071	0	141	0	Nov.
47,664	2,870	0	1,107	0	0	0	Dec.
						Total or average	
	70,413	176,382	13,032	4,617	2,194	0	

TABLE 15a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1912								
Jan.	2,710	51,321	2,710	0	1,352	0	0	0
Feb.	2,230	49,969	2,230	0	1,265	0	0	0
Mar.	22,900	48,704	8,199	0	1,352	0	0	0
April	18,000	62,053	8,515	0	1,309	0	238	0
May	10,900	69,991	8,828	0	1,352	1,168	315	0
June	4,990	69,228	4,990	0	1,309	1,606	373	0
July	3,060	65,940	3,060	0	1,352	1,660	426	0
Aug.	1,960	62,502	1,960	0	1,352	1,660	359	0
Sept.	1,550	59,131	1,550	0	1,309	1,667	291	0
Oct.	1,830	55,864	1,830	0	1,352	0	215	0
Nov.	1,730	54,297	1,730	0	1,309	0	139	0
Dec.	1,760	52,849	1,760	0	1,352	0	0	0
Total or average	73,620		47,362	0	15,965	7,761	2,356	0
1913								
Jan.	2,910	51,497	2,910	0	1,352	0	0	0
Feb.	13,200	50,145	4,753	0	1,222	0	0	0
Mar.	10,200	57,370	8,759	0	1,352	0	0	0
April	7,140	57,459	7,091	0	1,309	0	206	0
May	4,970	55,993	4,970	0	1,352	0	274	0
June	2,890	54,367	2,890	0	1,309	0	321	0
July	1,690	52,737	1,690	0	1,352	0	375	0
Aug.	1,070	51,010	1,070	0	1,352	0	340	0
Sept.	893	49,318	893	0	1,309	0	260	0
Oct.	910	47,749	910	0	1,352	0	196	0
Nov.	2,280	46,201	2,280	0	1,309	0	127	0
Dec.	2,170	44,765	2,170	0	1,352	0	0	0
Total or average	50,323		40,386	0	15,922	0	2,099	0
1914								
Jan.	61,400	43,413	6,271	35,050	1,352	0	0	0
Feb.	121,000	62,140	8,440	58,284	1,222	0	0	0
Mar.	48,000	115,194	9,344	52,388	1,352	0	0	0
April	21,400	100,110	9,042	0	1,309	5,652	301	0
May	16,900	105,206	9,344	0	1,352	8,299	410	0
June	9,580	102,701	8,585	0	1,309	9,875	472	0
July	5,570	92,040	5,570	0	1,352	10,512	516	0
Aug.	3,630	79,660	3,630	0	1,352	10,450	432	0
Sept.	2,730	67,426	2,730	0	1,309	10,113	301	0
Oct.	2,770	55,703	2,770	0	1,352	0	214	0
Nov.	2,440	54,137	2,440	0	1,309	0	139	0
Dec.	4,290	52,689	4,290	0	1,352	0	0	0
Total or average	299,710		72,456	145,722	15,922	54,901	2,785	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE.

tions Carried out on a Daily Basis.

mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season							Year and month
Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
							1912
46,557	2,710	0	1,107	0	0	0	Jan.
45,450	2,230	0	1,035	0	0	0	Feb.
44,415	8,199	9,208	1,107	0	0	0	Mar.
48,801	8,515	3,852	1,071	0	192	0	April
53,171	8,828	0	1,107	0	268	0	May
53,868	4,990	0	1,071	0	321	0	June
52,476	3,060	0	1,107	0	375	0	July
50,994	1,960	0	1,107	0	341	0	Aug.
49,546	1,550	0	1,071	0	262	0	Sept.
48,213	1,830	0	1,107	0	196	0	Oct.
46,910	1,730	0	1,071	0	127	0	Nov.
45,712	1,760	0	1,107	0	0	0	Dec.
						Total or average	
	47,362	13,060	13,068	0	2,082	0	1913
44,605	2,910	0	1,107	0	0	0	Jan.
43,498	4,753	1,824	999	0	0	0	Feb.
49,122	8,759	863	1,107	0	0	0	Mar.
48,593	7,091	0	1,071	0	186	0	April
47,385	4,970	0	1,107	0	248	0	May
46,030	2,890	0	1,071	0	292	0	June
44,667	1,690	0	1,107	0	341	0	July
43,219	1,070	0	1,107	0	311	0	Aug.
41,801	893	0	1,071	0	238	0	Sept.
40,492	910	0	1,107	0	178	0	Oct.
39,207	2,280	0	1,071	0	115	0	Nov.
38,021	2,170	0	1,107	0	0	0	Dec.
						Total or average	
	40,386	2,687	13,032	0	1,909	0	1914
36,914	6,271	30,155	1,107	0	0	0	Jan.
60,781	8,440	60,518	999	0	0	0	Feb.
111,824	9,344	100,251	1,107	0	0	0	Mar.
49,122	9,042	6,877	1,071	0	190	0	April
53,342	9,344	0	1,107	0	278	0	May
59,513	8,585	0	1,071	714	343	0	June
58,380	5,570	0	1,107	984	397	0	July
55,892	3,630	0	1,107	984	361	0	Aug.
53,440	2,730	0	1,071	952	272	0	Sept.
51,145	2,770	0	1,107	920	204	0	Oct.
48,914	2,440	0	1,071	0	131	0	Nov.
47,712	4,290	0	1,107	0	0	0	Dec.
						Total or average	
	72,456	197,801	13,032	4,554	2,176	0	

TABLE 15a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram						
		Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1915								
Jan.	7,380	51,337	4,428	3,629	1,352	0	0	0
Feb.	30,200	49,308	8,412	12,355	1,222	0	0	0
Mar.	21,509	57,519	9,344	0	1,352	0	0	0
April	17,300	68,323	9,042	0	1,309	416	238	0
May	20,400	74,618	9,344	0	1,352	2,090	341	0
June	11,400	81,891	8,967	0	1,309	4,759	414	0
July	7,010	77,842	7,010	0	1,352	5,717	468	0
Aug.	3,980	70,305	3,980	0	1,352	5,717	407	0
Sept.	3,270	62,829	3,270	0	1,309	5,533	293	0
Oct.	2,770	55,694	2,770	0	1,352	0	214	0
Nov.	3,010	54,128	3,010	0	1,309	0	139	0
Dec.	3,580	52,680	3,580	0	1,352	0	0	0
Total or average	131,800		73,157	15,984	15,922	24,232	2,514	0
1916								
Jan.	148,000	51,328	8,759	51,935	1,352	0	0	0
Feb.	39,400	137,282	8,741	99,779	1,265	0	0	0
Mar.	34,800	66,897	9,344	603	1,352	0	0	0
April	19,900	90,398	9,042	0	1,309	4,045	284	0
May	10,400	95,618	9,130	0	1,352	6,393	379	0
June	5,830	88,764	5,830	0	1,309	6,484	430	0
July	4,770	80,541	4,770	0	1,352	6,639	480	0
Aug.	3,570	72,070	3,570	0	1,352	6,639	412	0
Sept.	2,810	63,667	2,810	0	1,309	6,425	295	0
Oct.	7,010	55,638	6,473	0	1,352	0	214	0
Nov.	4,130	54,609	4,130	0	1,309	0	131	0
Dec.	13,600	53,169	5,253	0	1,352	0	0	0
Total or average	294,220		77,852	152,317	15,965	36,625	2,625	0
1917								
Jan.	9,280	60,164	8,172	10,464	1,352	0	0	0
Feb.	13,200	49,456	7,551	0	1,222	0	0	0
Mar.	13,600	53,883	9,344	0	1,352	0	0	0
April	10,500	56,787	9,042	0	1,309	0	208	0
May	8,610	56,728	8,531	0	1,352	0	276	0
June	5,270	55,179	5,270	0	1,309	0	327	0
July	3,140	53,543	3,140	0	1,352	0	379	0
Aug.	2,200	51,812	2,200	0	1,352	0	345	0
Sept.	1,510	50,115	1,510	0	1,309	0	262	0
Oct.	1,560	48,544	1,560	0	1,352	0	198	0
Nov.	1,840	46,994	1,840	0	1,309	0	127	0
Dec.	2,000	45,558	2,000	0	1,352	0	0	0
Total or average	72,710		60,160	10,464	15,922	0	2,122	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE.

tions Carried out on a Daily Basis.

mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
							1915
46,605	4,428	0	1,107	0	0	0	Jan.
48,450	8,412	20,117	999	0	0	0	Feb.
49,122	9,344	11,049	1,107	0	0	0	Mar.
49,122	9,042	4,689	1,071	0	188	0	April
51,432	9,344	0	1,107	0	276	0	May
61,105	8,967	0	1,071	1,011	349	0	June
61,107	7,010	0	1,107	1,721	408	0	July
57,871	3,980	0	1,107	1,721	369	0	Aug.
54,674	3,270	0	1,071	1,665	276	0	Sept.
51,661	2,770	0	1,107	1,499	204	0	Oct.
48,851	3,010	0	1,071	0	131	0	Nov.
47,649	3,580	0	1,107	0	0	0	Dec.
	73,157	35,855	13,032	7,618	2,201	0	Total or average
							1916
46,542	8,759	52,105	1,107	0	0	0	Jan.
132,571	8,741	100,650	1,035	0	0	0	Feb.
61,545	9,344	36,772	1,107	0	0	0	Mar.
49,122	9,042	7,311	1,071	0	190	0	April
51,408	9,130	0	1,107	0	262	0	May
51,309	5,830	0	1,071	0	311	0	June
49,927	4,770	0	1,107	0	363	0	July
48,457	3,570	0	1,107	0	331	0	Aug.
47,019	2,810	0	1,071	0	254	0	Sept.
45,694	6,473	0	1,107	0	190	0	Oct.
44,934	4,130	0	1,071	0	127	0	Nov.
43,736	5,253	1,997	1,107	0	0	0	Dec.
	77,852	198,835	13,068	0	2,028	0	Total or average
							1917
48,979	8,172	98	1,107	0	0	0	Jan.
48,882	7,551	4,410	999	0	0	0	Feb.
49,122	9,344	3,149	1,107	0	0	0	Mar.
49,122	9,042	370	1,071	0	190	0	April
48,949	8,531	0	1,107	0	252	0	May
47,669	5,270	0	1,071	0	299	0	June
46,299	3,140	0	1,107	0	347	0	July
44,845	2,200	0	1,107	0	317	0	Aug.
43,421	1,510	0	1,071	0	242	0	Sept.
42,108	1,560	0	1,107	0	182	0	Oct.
40,819	1,840	0	1,071	0	117	0	Nov.
39,631	2,000	0	1,107	0	0	0	Dec.
	60,160	8,027	13,032	0	1,946	0	Total or average

TABLE 15a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram						
		Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1918								
Jan.	2,020	44,206	2,020	0	1,352	0	0	0
Feb.	9,330	42,854	3,847	0	1,222	0	0	0
Mar.	73,200	47,115	9,249	3,595	1,352	0	0	0
April	17,000	106,119	9,042	0	1,309	6,603	307	0
May	10,000	105,858	8,993	0	1,352	8,422	412	0
June	6,010	96,679	6,010	0	1,309	8,388	454	0
July	3,970	86,528	3,970	0	1,352	8,668	496	0
Aug.	2,840	76,012	2,840	0	1,352	8,606	422	0
Sept.	2,330	65,632	2,330	0	1,309	8,329	297	0
Oct.	2,930	55,697	2,930	0	1,352	0	214	0
Nov.	3,140	54,131	3,140	0	1,309	0	139	0
Dec.	4,370	52,683	4,370	0	1,352	0	0	0
Total or average	137,140		58,741	3,595	15,922	49,016	2,741	0
1919								
Jan.	3,300	51,331	3,300	0	1,352	0	0	0
Feb.	4,110	49,979	4,110	0	1,222	0	0	0
Mar.	6,110	48,757	6,110	0	1,352	0	0	0
April	6,010	47,405	6,010	0	1,309	0	182	0
May	3,810	45,914	3,810	0	1,352	0	244	0
June	1,890	44,318	1,890	0	1,309	0	384	0
July	1,320	42,725	1,320	0	1,352	0	299	0
Aug.	935	41,044	935	0	1,309	0	230	0
Sept.	1,010	39,393	1,010	0	1,352	0	171	0
Oct.	2,040	37,854	2,040	0	1,309	0	109	0
Nov.	2,130	36,331	2,130	0	1,352	0	0	0
Dec.	5,340	34,913	5,209	0	1,352	0	0	0
Total or average	38,005		37,874	0	15,922	0	1,848	0
1920								
Jan.	3,260	33,692	3,260	0	1,352	0	0	0
Feb.	12,700	32,340	5,854	0	1,265	0	0	0
Mar.	36,200	37,921	9,344	0	1,352	0	0	0
April	25,100	63,425	9,042	0	1,309	0	236	0
May	12,600	77,938	9,344	0	1,352	2,766	339	0
June	7,380	76,737	7,349	0	1,309	3,510	395	0
July	4,670	71,554	4,670	0	1,352	3,565	446	0
Aug.	3,200	66,191	3,200	0	1,352	3,627	395	0
Sept.	2,030	60,817	2,030	0	1,309	3,510	290	0
Oct.	2,000	55,708	2,000	0	1,352	0	214	0
Nov.	2,380	54,142	2,380	0	1,309	0	139	0
Dec.	2,210	52,694	2,210	0	1,352	0	0	0
Total or average	113,730		60,683	0	15,965	16,978	2,454	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE.

tions Carried out on a Daily Basis.
mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
38,524	2,020	0	1,107	0	0	0	1918
37,417	3,847	0	999	0	0	0	Jan.
41,901	9,249	55,623	1,107	0	0	0	Feb.
49,122	9,042	5,345	1,071	0	190	0	Mar.
50,474	8,993	0	1,107	0	258	0	April
50,116	6,010	0	1,071	0	359	0	May
48,740	3,970	0	1,107	0	305	0	June
47,274	2,840	0	1,107	0	359	0	July
45,840	2,330	0	1,071	0	327	0	Aug.
44,517	2,930	0	1,107	0	252	0	Sept.
43,222	3,140	0	1,107	0	188	0	Oct.
42,030	4,370	0	1,071	0	121	0	Nov.
			1,107	0	0	0	Dec.
	58,741	60,968	13,032	0	2,000	0	Total or average
40,923	3,300	0	1,107	0	0	0	1919
39,816	4,110	0	999	0	0	0	Jan.
38,817	6,110	0	1,107	0	0	0	Feb.
37,710	6,010	0	1,071	0	161	0	Mar.
36,478	3,810	0	1,107	0	214	0	April
35,157	1,890	0	1,071	0	250	0	May
33,836	1,320	0	1,107	0	290	0	June
32,439	935	0	1,107	0	262	0	July
31,070	1,010	0	1,071	0	200	0	Aug.
29,799	2,040	0	1,107	0	149	0	Sept.
28,543	2,130	0	1,071	0	97	0	Oct.
27,375	5,209	0	1,107	0	0	0	Nov.
							Dec.
	37,874	0	13,032	0	1,623	0	Total or average
26,399	3,260	0	1,107	0	0	0	1920
25,292	5,854	0	1,035	0	0	0	Jan.
31,103	9,344	7,730	1,107	0	0	0	Feb.
49,122	9,042	12,388	1,071	0	0	0	Mar.
51,531	9,344	0	1,107	0	190	0	April
53,414	7,349	0	1,107	0	266	0	May
52,055	4,670	0	1,071	0	319	0	June
50,577	3,200	0	1,107	0	371	0	July
49,131	2,030	0	1,107	0	339	0	Aug.
47,800	2,000	0	1,071	0	260	0	Sept.
46,497	2,380	0	1,107	0	196	0	Oct.
45,299	2,210	0	1,071	0	127	0	Nov.
			1,107	0	0	0	Dec.
	60,683	20,118	13,068	0	2,068	0	Total or average

TABLE 15a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram						
		Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1921								
Jan.	5,160	51,342	4,405	0	1,352	0	0	0
Feb.	4,490	50,745	4,490	0	1,222	0	0	0
Mar.	15,400	49,523	7,288	0	1,352	0	0	0
April	6,070	56,283	6,070	0	1,309	0	204	0
May	15,700	54,770	6,835	0	1,352	0	281	0
June	8,980	62,002	7,920	0	1,309	0	354	0
July	3,830	61,399	3,830	0	1,352	184	413	0
Aug.	2,450	59,450	2,450	0	1,352	184	378	0
Sept.	1,840	57,536	1,840	0	1,309	238	286	0
Oct.	2,040	55,703	2,040	0	1,352	0	214	0
Nov.	1,800	54,137	1,800	0	1,309	0	139	0
Dec.	119,000	52,689	5,045	39,506	1,352	0	0	0
Total or average	186,760		54,013	39,506	15,922	606	2,269	0
1922								
Jan.	62,100	125,786	9,344	107,332	1,352	0	0	0
Feb.	88,900	69,858	8,440	83,316	1,222	0	0	0
Mar.	47,800	65,780	9,344	2,882	1,352	0	0	0
April	31,400	100,002	9,042	0	1,309	5,652	311	0
May	24,700	115,088	9,344	0	1,352	10,327	446	0
June	14,400	118,319	9,042	0	1,309	13,742	522	0
July	9,100	108,104	8,576	0	1,352	15,922	565	0
Aug.	5,080	90,789	5,080	0	1,352	16,106	464	0
Sept.	3,290	72,867	3,290	0	1,309	15,527	307	0
Oct.	3,110	55,724	3,110	0	1,352	0	214	0
Nov.	5,310	54,158	4,519	0	1,309	0	141	0
Dec.	21,500	53,499	8,456	1,990	1,352	0	0	0
Total or average	316,690		87,587	195,520	15,922	77,276	2,970	0
1923								
Jan.	7,130	63,201	6,968	12,056	1,352	0	0	0
Feb.	7,830	49,955	7,791	0	1,222	0	0	0
Mar.	7,320	48,772	7,320	0	1,352	0	0	0
April	8,330	47,420	8,079	0	1,309	0	182	0
May	5,480	46,180	5,480	0	1,352	0	244	0
June	3,700	44,584	3,700	0	1,309	0	288	0
July	2,420	42,987	2,420	0	1,352	0	331	0
Aug.	1,990	41,304	1,990	0	1,352	0	299	0
Sept.	1,750	39,653	1,750	0	1,309	0	232	0
Oct.	1,710	38,112	1,710	0	1,352	0	171	0
Nov.	1,960	36,589	1,960	0	1,309	0	111	0
Dec.	2,130	35,160	2,130	0	1,352	0	0	0
Total or average	51,750		51,298	12,056	15,922	0	1,858	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE.

tions Carried out on a Daily Basis.

mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
44,192	4,405	0	1,107	0	0	0	1921
43,840	4,430	0	999	0	0	0	Jan.
42,841	7,288	899	1,107	0	0	0	Feb.
48,947	6,070	0	1,071	0	186	0	Mar.
47,690	6,835	0	1,107	0	250	0	April
55,198	7,920	0	1,071	0	329	0	May
54,858	3,830	0	1,107	61	385	0	June
53,305	2,450	0	1,107	61	353	0	July
51,784	1,840	0	1,071	119	270	0	Aug.
50,324	2,040	0	1,107	111	204	0	Sept.
48,902	1,800	0	1,071	0	131	0	Oct.
47,700	5,045	45,446	1,107	0	0	0	Nov.
							Dec.
	54,013	46,345	13,032	352	2,108	0	Total or average
115,102	9,344	107,317	1,107	0	0	0	1922
59,434	8,440	86,263	999	0	0	0	Jan.
52,632	9,344	40,859	1,107	0	0	0	Feb.
49,122	9,042	13,915	1,071	0	0	0	Mar.
56,302	9,344	0	1,107	0	192	0	April
70,254	9,042	0	1,071	0	297	0	May
71,300	8,576	0	1,107	2,859	385	0	June
65,908	5,080	0	1,107	4,365	444	0	July
59,859	3,290	0	1,107	4,549	393	0	Aug.
54,104	3,110	0	1,071	4,402	282	0	Sept.
48,994	4,519	260	1,107	3,801	202	0	Oct.
48,321	8,456	11,295	1,071	0	133	0	Nov.
			1,107	0	0	0	Dec.
	87,587	259,909	13,032	19,973	2,328	0	Total or average
48,963	6,968	0	1,107	0	0	0	1923
48,018	7,791	0	999	0	0	0	Jan.
47,058	7,320	0	1,107	0	0	0	Feb.
44,951	8,079	0	1,071	0	0	0	Mar.
44,953	5,480	0	1,107	0	178	0	April
43,606	3,700	0	1,107	0	240	0	May
42,251	2,420	0	1,071	0	284	0	June
40,815	1,990	0	1,107	0	329	0	July
39,409	1,750	0	1,107	0	299	0	Aug.
38,102	1,710	0	1,071	0	236	0	Sept.
36,822	1,960	0	1,107	0	173	0	Oct.
35,640	2,130	0	1,071	0	111	0	Nov.
			1,107	0	0	0	Dec.
	51,298	0	13,032	0	1,850	0	Total or average

TABLE 15a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1924								
Jan.	2,170	33,817	2,170	0	1,352	0	0	0
Feb.	1,790	32,465	1,790	0	1,265	0	0	0
Mar.	4,130	31,200	3,714	0	1,352	0	0	0
April	6,190	30,264	6,190	0	1,309	0	141	0
May	3,650	28,814	3,650	0	1,352	0	186	0
June	1,660	27,276	1,660	0	1,309	0	214	0
July	1,000	25,753	1,000	0	1,352	0	248	0
Aug.	756	24,153	756	0	1,352	0	222	0
Sept.	744	22,579	744	0	1,309	0	167	0
Oct.	873	21,103	873	0	1,352	0	123	0
Nov.	1,190	19,628	1,190	0	1,309	0	79	0
Dec.	1,780	18,240	1,780	0	1,352	0	0	0
Total or average	25,933		25,517	0	15,965	0	1,380	0
1925								
Jan.	1,710	16,888	1,710	0	1,352	0	0	0
Feb.	1,620	15,536	1,620	0	1,222	0	0	0
Mar.	2,510	14,314	2,423	0	1,352	0	0	0
April	7,200	13,049	5,765	0	1,309	0	89	0
May	3,050	13,086	3,050	0	1,352	0	105	0
June	1,840	11,629	1,840	0	1,309	0	131	0
July	824	10,189	824	0	1,352	0	141	0
Aug.	621	8,696	621	0	1,352	0	117	0
Sept.	492	7,227	492	0	1,309	0	81	0
Oct.	873	5,837	873	0	1,352	0	52	0
Nov.	1,010	4,433	1,010	0	1,309	0	28	0
Dec.	1,650	3,096	1,650	0	1,352	0	0	0
Total or average	23,400		21,878	0	15,922	0	744	0
1926								
Jan.	1,540	1,744	1,540	0	1,352	0	0	0
Feb.	7,940	392	5,485	0	1,222	0	0	0
Mar.	3,650	1,625	3,650	0	1,352	0	0	0
April	69,000	273	8,233	0	1,309	0	159	0
May	13,000	59,572	9,142	0	1,352	0	293	0
June	5,500	61,785	5,500	0	1,309	0	349	0
July	3,120	60,127	3,120	0	1,352	0	408	0
Aug.	2,070	58,367	2,070	0	1,352	0	373	0
Sept.	1,580	56,642	1,580	0	1,309	0	284	0
Oct.		55,049						
Nov.								
Dec.								
Total or average	107,400		40,320	0	11,909	0	1,866	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE.

tions Carried out on a Daily Basis.

mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
34,533	2,170	0	1,107	0	0	0	1924
33,426	1,790	0	1,035	0	0	0	Jan.
32,391	3,714	0	1,107	0	0	0	Feb.
31,700	6,190	0	1,071	0	0	0	Mar.
30,482	3,650	0	1,107	0	147	0	April
29,183	1,660	0	1,071	0	192	0	May
27,888	1,000	0	1,107	0	224	0	June
26,521	756	0	1,107	0	260	0	July
25,178	744	0	1,071	0	236	0	Aug.
23,929	873	0	1,107	0	178	0	Sept.
22,691	1,190	0	1,071	0	131	0	Oct.
21,535	1,780	0	1,071	0	85	0	Nov.
					0	0	Dec.
	25,517	0	13,068	0	1,453	0	Total or average
20,428	1,710	0	1,107	0	0	0	1925
19,321	1,620	0	999	0	0	0	Jan.
18,322	2,423	0	1,107	0	0	0	Feb.
17,302	5,765	0	1,071	0	0	0	Mar.
17,561	3,050	0	1,107	0	105	0	April
16,313	1,840	0	1,071	0	141	0	May
15,079	824	0	1,107	0	163	0	June
13,788	621	0	1,107	0	184	0	July
12,518	492	0	1,071	0	163	0	Aug.
11,330	873	0	1,107	0	117	0	Sept.
10,138	1,010	0	1,071	0	85	0	Oct.
9,015	1,650	0	1,107	0	52	0	Nov.
					0	0	Dec.
	21,878	0	13,032	0	1,010	0	Total or average
7,908	1,540	0	1,107	0	0	0	1926
6,801	5,485	0	999	0	0	0	Jan.
8,257	3,650	0	1,107	0	0	0	Feb.
7,150	8,233	11,836	1,071	0	0	0	Mar.
54,845	9,142	0	1,107	0	165	0	April
57,320	5,500	0	1,071	238	276	0	May
55,692	3,120	0	1,107	246	319	0	June
53,952	2,070	0	1,107	307	387	0	July
52,183	1,580	0	1,071	297	355	0	Aug.
50,545					270	0	Sept.
							Oct.
							Nov.
							Dec.
	40,320	11,836	9,747	1,088	1,772	0	Total or average

TABLE 15a (Concluded). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
COORDINATED WITH SEASONAL

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-feet passed for prior rights.

Year and month	Run-off at Azusa in acre-feet	Flood control by reservoir operating diagram Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram						
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
Total for period, Jan. 1, 1897, to Oct. 1, 1926	3,731,977		1,513,303	^a 1,010,662	473,905	676,322	65,386	
Average for period, Jan. 1, 1897, to Oct. 1, 1926	125,445		50,867	^a 33,972	15,930	22,734	2,198	0

^a These figures contain 7601 acre-feet total or an average of 256 acre-feet per season of water contributed from outside the exact period of analysis. In the computations from which this table is prepared, the water in storage on October 1, 1926, the end of the period, is less by this amount than on January 1, 1897, the beginning of the period. Since in the computations this water was released as flood control water during the first flood season of the period, the exact yield of flood control water for the period is less than here shown by this amount.

RESERVOIR ON SAN GABRIEL RIVER.

TWO METHODS OF FLOOD CONTROL
AND OVER-YEAR STORAGE.

tions Carried out on a Daily Basis.

mary, see Table 15, page 180.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

Reservoir emptied of seasonal storage each year.

Flood control, holding maximum reservoir space required (131,000 acre-feet) in reserve throughout flood season Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 18 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (18 second-feet) in acre-feet	Seasonally stored water in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
	1,513,303	1,685,053	387,891	87,773	56,534	0	Total for period, Jan. 1, 1897, to Oct. 1, 1926
	50,867	55,641	13,039	^b 2,950	1,900	0	Average for period, Jan. 1, 1897, to Oct. 1, 1926

^b In the computations for this table, the period of analysis closed with 1423 acre-feet more water in storage than at the beginning, the equivalent of 48 acre-feet per season. Since in the computations this water was stored in the last year of the period of analysis, the exact yield in seasonally stored water for the period is larger than here shown by this amount.

TABLE 16a. SAN GABRIEL RESER
COMPARISON OF WATER YIELD FOR
USE OF RES
Monthly Summary of Computa
(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram					Flood control partially Constant draft of 22 second- only as required by		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1897									
Jan.	3,617	62,650	3,617	13,131	0	0	62,650	3,617	11,779
Feb.	19,146	49,519	7,262	5,432	0	0	49,519	7,262	4,628
Mar.	28,623	55,971	9,344	0	0	0	55,553	9,344	0
April	17,519	75,250	9,042	0	238	0	73,480	9,042	0
May	8,851	83,489	8,126	0	369	0	80,413	8,126	0
June	4,033	83,845	4,033	0	426	0	79,433	4,033	0
July	2,343	83,419	2,343	0	504	0	77,712	2,343	0
Aug.	1,613	82,915	1,613	0	466	0	75,875	1,613	0
Sept.	1,226	82,449	1,226	0	359	0	74,083	1,226	0
Oct.	5,564	82,090	2,622	0	280	0	72,437	2,622	0
Nov.	1,860	84,752	1,860	0	188	0	78,769	1,860	0
Dec.	1,875	84,564	1,875	11,646	0	0	72,289	1,875	0
Total or average	96,270		52,963	30,209	2,830	0		52,963	16,407
1898									
Jan.	2,453	72,918	2,453	13,484	0	0	70,937	2,453	10,849
Feb.	2,241	59,434	2,241	0	0	0	58,736	2,241	0
Mar.	2,131	59,434	2,131	0	0	0	57,514	2,131	0
April	1,950	59,434	1,950	0	210	0	56,162	1,950	0
May	2,213	59,224	2,213	0	286	0	54,651	2,213	0
June	1,159	58,938	1,159	0	343	0	53,029	1,159	0
July	672	58,595	672	0	403	0	51,395	672	0
Aug.	456	58,192	456	0	375	0	49,674	456	0
Sept.	467	57,817	467	0	289	0	47,985	467	0
Oct.	533	57,528	533	0	222	0	46,420	533	0
Nov.	580	57,306	580	0	145	0	44,876	580	0
Dec.	832	57,161	832	0	0	0	43,442	832	0
Total or average	15,687		15,687	13,484	2,273	0		15,687	10,849
1899									
Jan.	1,414	57,161	1,414	0	0	0	42,090	1,414	0
Feb.	1,244	57,161	1,244	0	0	0	40,738	1,244	0
Mar.	1,623	57,161	1,623	0	0	0	39,516	1,623	0
April	1,262	57,161	1,262	0	206	0	38,164	1,262	0
May	842	56,955	842	0	280	0	36,694	842	0
June	565	56,675	565	0	333	0	35,128	565	0
July	221	56,342	221	0	393	0	33,571	221	0
Aug.	295	55,949	295	0	366	0	31,931	295	0
Sept.	220	55,583	220	0	284	0	30,319	220	0
Oct.	683	55,299	683	0	214	0	28,812	683	0
Nov.	847	55,085	847	0	143	0	27,313	847	0
Dec.	1,247	54,942	1,247	0	0	0	25,913	1,247	0
Total or average	10,463		10,463	0	2,219	0		10,463	0

VOIR ON SAN GABRIEL RIVER.

THREE STEPS IN COORDINATING THE
ERVOIR SPACE.

tions Carried Out on a Daily Basis.
mary, see Table 16, page 182.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

coordinated with conservation feet maintained, other drafts reservoir operating diagram			Flood control completely coordinated with conservation Reservoir emptied each summer to a level that would maintain constant draft through critical period: constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Constant draft from over-year storage (22 second- feet) in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (22 second- feet) in acre-feet	Variable summer draft from seasonally stored water in acre-feet	Evapora- tion from reservoir surface in acre feet	Waste over spillway in acre-feet	
1897										
1,352	0	0	62,650	3,617	11,779	1,352	0	0	0	Jan.
1,222	0	0	49,519	7,262	4,628	1,222	0	0	0	Feb.
1,352	0	0	55,553	9,344	0	1,352	0	0	0	Mar.
1,309	235	0	73,480	9,042	0	1,309	1,249	234	0	April
1,352	353	0	79,165	8,126	0	1,352	3,012	343	0	May
1,309	412	0	75,183	4,033	0	1,309	3,093	396	0	June
1,352	485	0	70,385	2,343	0	1,352	3,197	447	0	July
1,352	440	0	65,389	1,613	0	1,352	3,197	393	0	Aug.
1,309	337	0	60,447	1,226	0	1,309	3,153	290	0	Sept.
1,352	258	0	55,695	2,622	0	1,352	0	220	0	Oct.
1,309	171	0	57,065	1,860	0	1,309	0	143	0	Nov.
1,352	0	0	55,613	1,875	0	1,352	0	0	0	Dec.
15,922	2,691	0		52,963	16,407	15,922	16,901	2,466	0	Total or average
1898										
1,352	0	0	54,261	2,453	0	1,352	0	0	0	Jan.
1,222	0	0	52,909	2,241	0	1,222	0	0	0	Feb.
1,352	0	0	51,687	2,131	0	1,352	0	0	0	Mar.
1,309	202	0	50,335	1,950	0	1,309	0	190	0	April
1,352	270	0	48,836	2,213	0	1,352	0	252	0	May
1,309	325	0	47,232	1,159	0	1,309	0	296	0	June
1,352	369	0	45,627	672	0	1,352	0	343	0	July
1,352	337	0	43,932	456	0	1,352	0	313	0	Aug.
1,309	256	0	42,267	467	0	1,309	0	238	0	Sept.
1,352	192	0	40,720	533	0	1,352	0	179	0	Oct.
1,309	125	0	39,189	580	0	1,309	0	115	0	Nov.
1,352	0	0	37,765	832	0	1,352	0	0	0	Dec.
15,922	2,076	0		15,687	0	15,922	0	1,926	0	Total or average
1899										
1,352	0	0	36,413	1,414	0	1,352	0	0	0	Jan.
1,222	0	0	35,061	1,244	0	1,222	0	0	0	Feb.
1,352	0	0	33,839	1,623	0	1,352	0	0	0	Mar.
1,309	161	0	32,487	1,262	0	1,309	0	149	0	April
1,352	214	0	31,029	842	0	1,352	0	194	0	May
1,309	248	0	29,483	565	0	1,309	0	224	0	June
1,352	288	0	27,950	221	0	1,352	0	260	0	July
1,352	260	0	26,338	295	0	1,352	0	234	0	Aug.
1,309	198	0	24,752	220	0	1,309	0	175	0	Sept.
1,352	147	0	23,268	683	0	1,352	0	129	0	Oct.
1,309	91	0	21,787	847	0	1,309	0	83	0	Nov.
1,352	0	0	20,395	1,247	0	1,352	0	0	0	Dec.
15,922	1,607	0	0	10,463	0	15,922	0	1,448	0	Total or average

TABLE 16a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
USE OF RESMonthly Summary of Computa
(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run off at Azusa in acre feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram					Flood control partially Constant draft of 22 second- only as required by		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1900									
Jan.	1,968	54,942	1,968	0	0	0	24,561	1,968	0
Feb.	1,111	54,942	1,111	0	0	0	23,209	1,111	0
Mar.	1,230	54,942	1,230	0	0	0	21,987	1,230	0
April	1,012	54,942	1,012	0	200	0	20,635	1,012	0
May	2,275	54,742	2,275	0	272	0	19,211	2,275	0
June	893	54,470	893	0	327	0	17,712	893	0
July	369	54,143	369	0	385	0	16,223	369	0
Aug.	246	53,758	246	0	357	0	14,679	246	0
Sept.	238	53,401	238	0	276	0	13,158	238	0
Oct.	307	53,125	307	0	210	0	11,728	307	0
Nov.	11,068	52,915	1,058	0	139	0	10,281	1,058	0
Dec.	1,269	62,786	1,269	0	0	0	18,923	1,269	0
Total or average	21,986		11,976	0	2,166	0		11,976	0
1901									
Jan.	10,391	62,786	6,661	16,586	0	0	17,571	6,661	0
Feb.	38,709	49,930	8,350	19,884	0	0	19,949	8,350	0
Mar.	13,589	60,405	9,138	0	0	0	49,086	9,138	0
April	6,545	64,856	6,545	0	224	0	52,185	6,545	0
May	7,440	64,632	6,990	0	301	0	50,684	6,990	0
June	3,749	64,781	3,749	0	363	0	49,522	3,749	0
July	1,845	64,418	1,845	0	426	0	47,908	1,845	0
Aug.	1,240	63,992	1,240	0	397	0	46,203	1,240	0
Sept.	1,012	63,595	1,012	0	305	0	44,530	1,012	0
Oct.	1,476	63,290	1,476	0	234	0	42,975	1,476	0
Nov.	1,904	63,056	1,904	0	155	0	41,439	1,904	0
Dec.	1,660	62,901	1,660	0	0	0	40,015	1,660	0
Total or average	89,560		50,570	36,470	2,405	0		50,570	0
1902									
Jan.	1,722	62,901	1,722	0	0	0	38,663	1,722	0
Feb.	2,055	62,901	2,055	0	0	0	37,311	2,055	0
Mar.	6,088	62,901	5,590	0	0	0	36,089	5,590	0
April	3,928	63,399	3,928	0	218	0	35,235	3,928	0
May	2,398	63,181	2,398	0	295	0	33,773	2,398	0
June	1,190	62,886	1,190	0	355	0	32,217	1,190	0
July	676	62,531	676	0	420	0	30,672	676	0
Aug.	430	62,111	430	0	389	0	29,048	430	0
Sept.	298	61,722	298	0	301	0	27,450	298	0
Oct.	430	61,421	430	0	228	0	25,955	430	0
Nov.	1,131	61,193	1,131	0	151	0	24,464	1,131	0
Dec.	1,968	61,042	1,968	0	0	0	23,068	1,968	0
Total or average	22,314		21,816	0	2,357	0		21,816	0

RESERVOIR ON SAN GABRIEL RIVER.

THREE STEPS IN COORDINATING THE ERVOIR SPACE.

tions Carried Out on a Daily Basis.

mary, see Table 16, page 182.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

coordinated with conservation draft maintained, other drafts reservoir operating diagram			Flood control completely coordinated with conservation Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Constant draft from over-year storage (22 second- feet) in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (22 second- feet) in acre-feet	Variable summer draft from seasonally stored water in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	
1,352	0	0	19,043	1,968	0	1,352	0	0	0	1900
1,222	0	0	17,691	1,111	0	1,222	0	0	0	Jan.
1,352	0	0	16,469	1,230	0	1,352	0	0	0	Feb.
1,309	115	0	15,117	1,012	0	1,309	0	0	0	Mar.
1,352	147	0	13,713	2,275	0	1,352	0	95	0	April
1,309	180	0	12,240	893	0	1,309	0	121	0	May
1,352	192	0	10,796	369	0	1,352	0	135	0	June
1,352	169	0	9,295	246	0	1,352	0	149	0	July
1,309	121	0	7,820	238	0	1,309	0	123	0	Aug.
1,352	95	0	6,426	307	0	1,352	0	85	0	Sept.
1,309	59	0	5,018	1,058	0	1,309	0	56	0	Oct.
1,352	0	0	13,687	1,269	0	1,352	0	32	0	Nov.
15,922	1,078	0		11,976	0	15,922	0	796	0	Dec. Total or average
1,352	0	0	12,335	6,661	0	1,352	0	0	0	1901
1,222	0	0	14,713	8,350	0	1,222	0	0	0	Jan.
1,352	0	0	43,850	9,138	0	1,352	0	0	0	Feb.
1,309	192	0	46,449	6,545	0	1,309	0	0	0	Mar.
1,352	260	0	45,459	6,990	0	1,352	0	181	0	April
1,309	305	0	44,317	3,749	0	1,309	0	240	0	May
1,352	353	0	42,722	1,845	0	1,352	0	286	0	June
1,352	321	0	41,041	1,240	0	1,352	0	329	0	July
1,309	246	0	39,389	1,012	0	1,309	0	300	0	Aug.
1,352	184	0	37,850	1,476	0	1,352	0	230	0	Sept.
1,309	115	0	36,327	1,904	0	1,309	0	171	0	Oct.
1,352	0	0	34,909	1,660	0	1,352	0	109	0	Nov.
15,922	1,976	0		50,570	0	15,922	0	1,846	0	Dec. Total or average
1,352	0	0	33,557	1,722	0	1,352	0	0	0	1902
1,222	0	0	32,205	2,055	0	1,222	0	0	0	Jan.
1,352	0	0	30,983	5,590	0	1,352	0	0	0	Feb.
1,309	153	0	30,129	3,928	0	1,309	0	141	0	Mar.
1,352	204	0	28,679	2,398	0	1,352	0	184	0	April
1,309	236	0	27,143	1,190	0	1,309	0	214	0	May
1,352	272	0	25,620	676	0	1,352	0	246	0	June
1,352	246	0	24,022	430	0	1,352	0	222	0	July
1,309	186	0	22,448	298	0	1,309	0	167	0	Aug.
1,352	139	0	20,972	430	0	1,352	0	123	0	Sept.
1,309	87	0	19,497	1,131	0	1,309	0	77	0	Oct.
1,352	0	0	18,111	1,968	0	1,352	0	0	0	Nov. Dec. Total or average
15,922	1,523	0		21,816	0	15,922	0	1,374	0	

TABLE 16a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
USE OF RES

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram					Flood control partially Constant draft of 22 second-only as required by		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1903									
Jan.	9,100	61,042	2,536	12,128	0	0	21,716	2,536	0
Feb.	5,665	55,478	5,497	5,959	0	0	26,928	5,497	0
Mar.	15,802	49,687	7,898	0	0	0	25,874	7,898	0
April	47,127	57,591	9,042	0	260	0	32,426	9,042	0
May	13,343	95,416	9,116	0	369	0	68,994	9,116	0
June	5,653	99,274	5,653	0	476	0	71,546	5,653	0
July	2,644	98,798	2,644	0	561	0	69,852	2,644	0
Aug.	1,783	98,237	1,783	0	522	0	68,054	1,783	0
Sept.	1,488	97,715	1,488	0	403	0	66,292	1,488	0
Oct.	1,476	97,312	1,476	0	305	0	64,670	1,476	0
Nov.	1,428	97,007	1,428	0	204	0	63,082	1,428	0
Dec.	1,476	96,803	1,476	0	0	0	61,618	1,476	0
Total or average	106,985		50,037	18,087	3,100	0		50,037	0
1904									
Jan.	1,500	96,803	1,500	0	0	0	60,266	1,500	0
Feb.	2,744	96,803	2,177	0	0	0	58,914	2,177	0
Mar.	6,813	97,370	4,724	0	0	0	58,216	4,724	0
April	5,337	99,459	5,337	0	295	0	58,953	5,337	0
May	4,089	99,164	4,089	0	397	0	57,436	4,089	0
June	1,517	98,767	1,517	0	476	0	55,804	1,517	0
July	861	98,291	861	0	559	0	54,166	861	0
Aug.	793	97,732	793	0	520	0	52,431	793	0
Sept.	643	97,212	643	0	401	0	50,730	643	0
Oct.	738	96,811	738	0	305	0	49,155	738	0
Nov.	762	96,506	762	0	204	0	47,597	762	0
Dec.	1,039	96,302	1,039	0	0	0	46,155	1,039	0
Total or average	26,836		24,180	0	3,157	0		24,180	0
1905									
Jan.	2,251	96,302	2,251	17,237	0	0	44,803	2,251	0
Feb.	25,880	79,065	8,206	41,863	0	0	43,451	8,206	6,204
Mar.	75,140	54,876	9,281	18,198	0	0	53,699	9,281	16,231
April	19,580	102,537	9,042	0	313	0	101,975	9,042	0
May	17,090	112,762	9,344	0	446	0	110,893	9,344	0
June	8,271	120,062	7,960	0	543	0	116,849	7,960	0
July	5,103	119,830	5,103	0	639	0	115,322	5,103	0
Aug.	2,631	119,191	2,631	0	593	0	113,349	2,631	0
Sept.	1,869	118,598	1,869	0	456	0	111,426	1,869	0
Oct.	1,770	118,142	1,770	0	347	0	109,681	1,770	0
Nov.	2,660	117,795	2,660	14,595	232	0	108,000	2,660	3,610
Dec.	2,470	102,968	2,470	7,444	0	0	102,861	2,470	6,944
Total or average	164,715		62,587	99,337	3,569	0		62,587	32,989

RESERVOIR ON SAN GABRIEL RIVER.

THREE STEPS IN COORDINATING THE
RESERVOIR SPACE.

tions Carried Out on a Daily Basis.

mary, see Table 16, page 182.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

coordinated with conservation feet maintained, other drafts reservoir operating diagram			Flood control completely coordinated with conservation Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Constant draft from over-year storage (22 second- feet) in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (22 second- feet) in acre-feet	Variable summer draft from seasonally stored water in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	
1903										
1,352	0	0	16,759	2,536	0	1,352	0	0	0	Jan.
1,222	0	0	21,971	5,497	0	1,222	0	0	0	Feb.
1,352	0	0	20,917	7,898	0	1,352	0	0	0	Mar.
1,309	208	0	27,469	9,042	0	1,309	0	180	0	April
1,352	323	0	64,065	9,116	0	1,352	0	307	0	May
1,309	385	0	66,633	5,653	0	1,309	1,012	365	0	June
1,352	446	0	63,947	2,644	0	1,352	1,107	421	0	July
1,352	410	0	61,067	1,783	0	1,352	1,045	379	0	Aug.
1,309	313	0	58,231	1,488	0	1,309	1,071	288	0	Sept.
1,352	236	0	55,623	1,476	0	1,352	0	214	0	Oct.
1,309	155	0	54,057	1,428	0	1,309	0	139	0	Nov.
1,352	0	0	52,609	1,476	0	1,352	0	0	0	Dec.
15,922	2,476	0		50,037	0	15,922	4,235	2,293	0	Total or average
1904										
1,352	0	0	51,257	1,500	0	1,352	0	0	0	Jan.
1,265	0	0	49,905	2,177	0	1,265	0	0	0	Feb.
1,352	0	0	49,207	4,724	0	1,352	0	0	0	Mar.
1,309	208	0	49,944	5,337	0	1,309	0	188	0	April
1,352	280	0	48,447	4,089	0	1,352	0	250	0	May
1,309	329	0	46,845	1,517	0	1,309	0	236	0	June
1,352	383	0	45,240	861	0	1,352	0	343	0	July
1,352	349	0	43,545	793	0	1,352	0	313	0	Aug.
1,309	266	0	41,880	643	0	1,309	0	238	0	Sept.
1,352	206	0	40,333	738	0	1,352	0	179	0	Oct.
1,309	133	0	38,802	762	0	1,309	0	115	0	Nov.
1,352	0	0	37,378	1,039	0	1,352	0	0	0	Dec.
15,965	2,154	0		24,180	0	15,965	0	1,922	0	Total or average
1905										
1,352	0	0	36,026	2,251	0	1,352	0	0	0	Jan.
1,222	0	0	34,674	8,206	0	1,222	0	0	0	Feb.
1,352	0	0	51,126	9,281	13,658	1,352	0	0	0	Mar.
1,309	311	0	101,975	9,042	0	1,309	5,949	303	0	April
1,352	438	0	104,952	9,344	0	1,352	8,237	411	0	May
1,309	529	0	102,608	7,960	0	1,309	9,875	470	0	June
1,352	621	0	91,355	5,103	0	1,352	10,266	512	0	July
1,352	571	0	79,225	2,631	0	1,352	10,266	432	0	Aug.
1,309	436	0	67,175	1,869	0	1,309	9,935	300	0	Sept.
1,352	329	0	55,631	1,770	0	1,352	0	214	0	Oct.
1,309	220	0	54,065	2,660	0	1,309	0	139	0	Nov.
1,352	0	0	52,617	2,470	0	1,352	0	0	0	Dec.
15,922	3,455	0		62,587	13,658	15,922	54,528	2,781	0	Total or average

TABLE 16a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
USE OF RES

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram					Flood control partially Constant draft of 22 second- only as required by		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1906									
Jan.	4,240	95,524	3,633	35,706	0	0	94,565	3,633	33,608
Feb.	3,960	60,425	3,960	0	0	0	60,212	3,960	0
Mar.	129,000	60,425	7,561	33,037	0	0	58,990	7,561	30,250
April	34,600	148,827	9,042	20,997	383	0	148,827	9,042	20,735
May	21,000	153,005	9,344	0	543	0	151,960	9,344	0
June	15,500	164,118	9,042	0	682	0	161,723	9,042	0
July	9,350	169,894	8,664	0	811	0	166,198	8,664	0
Aug.	4,490	169,769	4,490	0	756	0	164,729	4,490	0
Sept.	2,840	169,013	2,840	0	583	0	162,639	2,840	0
Oct.	2,450	168,430	2,450	0	444	0	160,763	2,450	0
Nov.	2,400	167,986	2,400	14,928	295	0	158,981	2,400	5,941
Dec.	11,600	152,763	4,030	97,132	0	0	151,445	4,030	94,462
Total or average	241,430		67,456	201,800	4,497	0		67,456	184,996
1907									
Jan.	58,400	63,201	9,217	57,512	0	0	63,201	9,217	56,159
Feb.	47,100	54,872	8,439	31,125	0	0	54,873	8,439	29,904
Mar.	116,000	62,408	9,344	47,166	0	0	62,408	9,344	45,814
April	58,400	121,898	9,042	528	393	0	121,898	9,042	453
May	21,500	170,335	9,344	0	591	1,900	169,103	9,344	0
June	15,100	180,000	9,042	0	720	5,338	179,322	9,042	0
July	8,360	180,000	7,920	0	849	188	180,000	7,920	0
Aug.	5,390	179,403	5,390	0	787	0	178,241	5,390	0
Sept.	3,580	178,616	3,580	0	607	0	176,108	3,580	0
Oct.	4,090	178,009	4,090	8,257	460	0	174,200	4,090	3,106
Nov.	3,800	169,292	3,800	54,872	256	0	169,292	3,800	53,565
Dec.	3,600	114,164	3,600	12,600	0	0	114,164	3,600	12,164
Total or average	345,320		82,808	212,060	4,663	7,426		82,808	201,165
1908									
Jan.	11,100	101,564	4,973	24,579	0	0	100,648	4,973	24,273
Feb.	15,000	83,112	8,741	37,743	0	0	81,150	8,741	35,256
Mar.	12,700	51,628	9,255	0	0	0	50,888	9,255	0
April	9,280	55,073	8,656	0	202	0	52,581	8,656	0
May	7,190	55,495	7,139	0	337	0	52,100	7,139	0
June	4,190	55,209	4,190	0	329	0	50,537	4,190	0
July	2,560	54,880	2,560	0	387	0	48,919	2,560	0
Aug.	2,210	54,493	2,210	0	361	0	47,208	2,210	0
Sept.	1,820	54,132	1,820	0	278	0	45,531	1,820	0
Oct.	2,070	53,854	2,070	0	212	0	43,970	2,070	0
Nov.	1,960	53,642	1,960	0	139	0	42,432	1,960	0
Dec.	2,870	53,503	2,870	0	0	0	41,000	2,870	0
Total or average	72,950		56,444	62,322	2,245	0		56,444	59,529

RESERVOIR ON SAN GABRIEL RIVER.

THREE STEPS IN COORDINATING THE
RESERVOIR SPACE.

Operations Carried Out on a Daily Basis.

Primary, see Table 16, page 182.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

coordinated with conservation feet maintained, other drafts reservoir operating diagram			Flood control completely coordinated with conservation Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Constant draft from over-year storage (22 second- feet) in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (22 second- feet) in acre-feet	Variable summer draft from seasonally stored water in acre feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	
1906										
1,352	0	0	51,265	3,633	0	1,352	0	0	0	Jan.
1,222	0	0	50,520	3,960	0	1,222	0	0	0	Feb.
1,352	0	0	49,298	7,561	23,965	1,352	0	0	0	Mar.
1,309	381	0	145,420	9,042	15,432	1,309	13,028	357	0	April
1,352	541	0	140,852	9,344	0	1,352	15,553	498	0	May
1,309	674	0	135,105	9,042	0	1,309	17,843	569	0	June
1,352	803	0	121,842	8,664	0	1,352	20,527	609	0	July
1,352	738	0	100,040	4,490	0	1,352	20,774	488	0	Aug.
1,309	567	0	77,426	2,840	0	1,309	20,043	315	0	Sept.
1,352	430	0	55,759	2,450	0	1,352	0	214	0	Oct.
1,309	286	0	54,193	2,400	0	1,309	0	139	0	Nov.
1,352	0	0	52,745	4,030	0	1,352	0	0	0	Dec.
15,922	4,420	0		67,456	39,397	15,922	107,768	3,189	0	Total or average
1907										
1,352	0	0	58,963	9,217	51,921	1,352	0	0	0	Jan.
1,222	0	0	54,873	8,439	29,904	1,222	0	0	0	Feb.
1,352	0	0	62,408	9,344	45,814	1,352	0	0	0	Mar.
1,309	391	0	121,898	9,042	0	1,309	9,221	375	0	April
1,352	585	0	160,351	9,344	0	1,352	19,487	539	0	May
1,309	720	3,351	151,129	9,042	0	1,309	21,773	609	0	June
1,352	847	0	133,496	7,920	0	1,352	24,466	642	0	July
1,352	781	0	107,476	5,390	0	1,352	24,651	462	0	Aug.
1,309	599	0	81,011	3,580	0	1,309	23,737	321	0	Sept.
1,352	450	0	55,644	4,060	0	1,352	0	214	0	Oct.
1,309	254	0	54,078	3,800	0	1,309	0	139	0	Nov.
1,352	0	0	52,630	3,600	0	1,352	0	0	0	Dec.
15,922	4,627	3,351		82,808	127,639	15,922	123,335	3,301	0	Total or average
1908										
1,352	0	0	51,278	4,973	5,543	1,352	0	0	0	Jan.
1,265	0	0	50,510	8,741	4,616	1,265	0	0	0	Feb.
1,352	0	0	50,888	9,255	0	1,352	0	0	0	Mar.
1,309	196	0	52,981	8,656	0	1,309	0	196	0	April
1,352	262	0	52,100	7,139	0	1,352	0	262	0	May
1,309	309	0	50,537	4,190	0	1,309	0	309	0	June
1,352	359	0	48,919	2,560	0	1,352	0	359	0	July
1,352	325	0	47,208	2,210	0	1,352	0	325	0	Aug.
1,309	252	0	45,531	1,820	0	1,309	0	252	0	Sept.
1,352	186	0	43,970	2,070	0	1,352	0	186	0	Oct.
1,309	123	0	42,432	1,960	0	1,309	0	123	0	Nov.
1,352	0	0	41,000	2,870	0	1,352	0	0	0	Dec.
15,965	2,012	0		56,444	10,159	15,965	0	2,012	0	Total or average

TABLE 16a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
USE OF RESMonthly Summary of Computa
(For corresponding yearly sum)

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram				Flood control partially Constant draft of 22 second-only as required by			
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1909									
Jan.	25,500	53,503	5,596	23,888	0	0	39,648	5,596	8,681
Feb.	59,400	49,519	8,440	42,858	0	0	49,519	8,440	41,897
Mar.	26,300	57,621	9,344	0	0	0	57,360	9,344	0
April	28,000	74,577	9,042	0	268	0	72,964	9,042	0
May	15,200	93,267	9,344	0	391	0	90,351	9,344	0
June	8,570	98,732	8,319	0	476	0	94,474	8,319	0
July	5,040	98,507	5,040	0	559	0	92,956	5,040	0
Aug.	3,120	97,948	3,120	0	520	0	91,067	3,120	0
Sept.	2,320	97,428	2,320	0	401	0	89,221	2,320	0
Oct.	2,310	97,027	2,310	0	305	0	87,535	2,310	0
Nov.	2,880	96,722	2,880	0	204	0	85,897	2,880	0
Dec.	20,900	96,518	6,346	38,233	0	0	84,400	6,346	24,763
Total or average	199,540		72,101	104,979	3,124	0		72,101	75,341
1910									
Jan.	69,500	72,839	9,344	82,868	0	0	72,839	9,344	81,516
Feb.	11,500	50,127	8,435	2,689	0	0	50,127	8,435	2,202
Mar.	9,590	50,503	9,029	0	0	0	49,678	9,029	0
April	8,270	51,064	8,120	0	190	0	48,887	8,120	0
May	5,050	51,024	5,050	0	262	0	47,542	5,050	0
June	3,560	50,762	3,560	0	311	0	45,940	3,560	0
July	2,450	50,451	2,450	0	369	0	44,340	2,450	0
Aug.	1,710	50,082	1,710	0	341	0	42,651	1,710	0
Sept.	1,370	49,741	1,370	0	264	0	40,992	1,370	0
Oct.	1,560	49,477	1,560	0	202	0	39,449	1,560	0
Nov.	1,870	49,275	1,870	0	133	0	37,923	1,870	0
Dec.	2,020	49,142	2,020	0	0	0	36,501	2,020	0
Total or average	118,450		54,518	85,557	2,072	0		54,518	83,808
1911									
Jan.	37,200	49,142	6,441	7,031	0	0	35,149	6,441	6,949
Feb.	44,300	72,870	8,440	54,016	0	0	57,607	8,440	38,010
Mar.	122,000	54,714	9,344	57,434	0	0	54,235	9,344	55,857
April	28,200	109,936	9,042	0	335	0	109,682	9,042	0
May	16,600	128,759	9,344	0	482	0	127,196	9,344	0
June	7,500	135,533	7,322	0	589	0	132,622	7,322	0
July	5,230	135,122	5,230	0	696	0	130,912	5,230	0
Aug.	3,610	134,426	3,610	0	644	0	128,884	3,610	0
Sept.	2,830	133,782	2,830	0	498	0	126,909	2,830	0
Oct.	3,140	133,284	3,140	0	379	0	125,124	3,140	0
Nov.	2,800	132,905	2,800	11,766	248	0	123,411	2,800	1,061
Dec.	2,870	120,891	2,870	23,312	0	0	120,803	2,870	22,352
Total or average	276,280		70,413	153,559	3,871	0		70,413	124,229

RESERVOIR ON SAN GABRIEL RIVER.

THREE STEPS IN COORDINATING THE
ERVOIR SPACE.

tions Carried Out on a Daily Basis.

mary, see Table 16, page 182.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

coordinated with conservation feet maintained, other drafts reservoir operating diagram			Flood control completely coordinated with conservation Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram							
Constant draft from over-year storage (22 second- feet) in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (22 second- feet) in acre-feet	Variable summer draft from seasonally stored water in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	Year and month
1909										
1,352	0	0	39,648	5,596	8,681	1,352	0	0	0	Jan.
1,222	0	0	49,519	8,440	41,897	1,222	0	0	0	Feb.
1,352	0	0	57,360	9,344	0	1,352	0	0	0	Mar.
1,309	262	0	72,964	9,042	0	1,309	1,190	258	0	April
1,352	381	0	89,165	9,344	0	1,352	5,041	369	0	May
1,309	460	0	88,259	8,319	0	1,309	6,306	428	0	June
1,352	537	0	80,467	5,040	0	1,352	6,639	478	0	July
1,352	494	0	71,998	3,120	0	1,352	6,578	412	0	Aug.
1,309	377	0	63,656	2,320	0	1,309	6,365	295	0	Sept.
1,352	286	0	55,687	2,310	0	1,352	0	214	0	Oct.
1,309	188	0	54,121	2,880	0	1,309	0	139	0	Nov.
1,352	0	0	52,673	6,346	1,682	1,352	0	0	0	Dec.
15,922	2,985			72,101	52,260	15,922	32,119	2,593	0	Total or average
1910										
1,352	0	0	64,193	9,344	72,870	1,352	0	0	0	Jan.
1,222	0	0	50,127	8,435	2,292	1,222	0	0	0	Feb.
1,352	0	0	49,678	9,029	0	1,352	0	0	0	Mar.
1,309	186	0	48,887	8,120	0	1,309	0	186	0	April
1,352	250	0	47,542	5,050	0	1,352	0	250	0	May
1,309	291	0	45,940	3,560	0	1,309	0	291	0	June
1,352	337	0	44,340	2,450	0	1,352	0	337	0	July
1,352	307	0	42,651	1,710	0	1,352	0	307	0	Aug.
1,309	234	0	40,992	1,370	0	1,309	0	234	0	Sept.
1,352	174	0	39,449	1,560	0	1,352	0	174	0	Oct.
1,309	113	0	37,923	1,870	0	1,309	0	113	0	Nov.
1,352	0	0	36,501	2,020	0	1,352	0	0	0	Dec.
15,922	1,892	0		54,518	75,162	15,922	0	1,892	0	Total or average
1911										
1,352	0	0	35,149	6,441	6,949	1,352	0	0	0	Jan.
1,222	0	0	57,607	8,440	38,010	1,222	0	0	0	Feb.
1,352	0	0	54,235	9,344	55,857	1,352	0	0	0	Mar.
1,309	335	0	109,682	9,042	0	1,309	7,198	325	0	April
1,352	478	0	120,008	9,344	0	1,352	11,311	446	0	May
1,309	579	0	114,155	7,322	0	1,309	12,671	502	0	June
1,352	676	0	99,851	5,230	0	1,352	13,155	537	0	July
1,352	623	0	84,807	3,610	0	1,352	13,094	446	0	Aug.
1,309	476	0	69,915	2,830	0	1,309	12,612	306	0	Sept.
1,352	361	0	55,688	3,140	0	1,352	0	215	0	Oct.
1,309	238	0	54,121	2,800	0	1,309	0	139	0	Nov.
1,352	0	0	52,673	2,870	0	1,352	0	0	0	Dec.
15,922	3,766	0		70,413	100,816	15,922	70,041	2,916	0	Total or average

TABLE 16a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
USE OF RES

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram					Flood control partially Constant draft of 22 second-only as required by		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1912									
Jan.	2,710	97,579	2,710	0	0	0	97,099	2,710	0
Feb.	2,230	97,579	2,230	0	0	0	95,747	2,230	0
Mar.	22,900	97,579	8,199	3,590	0	0	94,482	8,199	496
April	18,000	108,690	8,515	0	319	0	107,335	8,515	0
May	10,900	117,856	8,828	0	454	0	115,196	8,828	0
June	4,990	119,474	4,990	0	539	0	115,474	4,990	0
July	3,060	118,935	3,060	0	637	0	113,640	3,060	0
Aug.	1,960	118,298	1,960	0	591	0	111,675	1,960	0
Sept.	1,550	117,707	1,550	0	454	0	109,758	1,550	0
Oct.	1,830	117,253	1,830	0	347	0	108,019	1,830	0
Nov.	1,730	116,906	1,730	0	232	0	106,340	1,730	0
Dec.	1,760	116,674	1,760	7,665	0	0	104,815	1,760	0
Total or average	73,620		47,362	11,255	3,573	0		47,362	496
1913									
Jan.	2,910	109,009	2,910	8,725	0	0	103,463	2,910	4,136
Feb.	13,200	100,284	4,753	27,773	0	0	97,975	4,753	24,767
Mar.	10,200	80,958	8,759	11,336	0	0	80,433	8,759	10,660
April	7,140	71,063	7,091	0	238	0	69,862	7,091	0
May	4,970	70,874	4,970	0	319	0	68,370	4,970	0
June	2,890	70,555	2,890	0	385	0	66,709	2,890	0
July	1,690	70,170	1,690	0	452	0	65,033	1,690	0
Aug.	1,070	69,718	1,070	0	418	0	63,255	1,070	0
Sept.	893	69,300	893	0	323	0	61,512	893	0
Oct.	910	68,977	910	0	246	0	59,906	910	0
Nov.	2,280	68,731	2,280	0	165	0	58,330	2,280	0
Dec.	2,170	68,566	2,170	0	0	0	56,874	2,170	0
Total or average	50,323		40,386	47,834	2,546	0		40,386	39,563
1914									
Jan.	61,400	68,566	6,271	56,127	0	0	55,522	6,271	47,159
Feb.	121,000	67,568	8,440	64,933	0	0	62,140	8,440	58,284
Mar.	48,000	115,195	9,344	53,083	0	0	115,194	9,344	52,388
April	21,400	100,768	9,042	0	307	0	100,110	9,042	0
May	16,900	112,819	9,344	0	430	0	110,854	9,344	0
June	9,580	119,945	8,585	0	535	0	116,630	8,585	0
July	5,570	120,405	5,570	0	641	0	115,786	5,570	0
Aug.	3,630	119,764	3,630	0	595	0	113,803	3,630	0
Sept.	2,730	119,169	2,730	0	458	0	111,879	2,730	0
Oct.	2,770	118,711	2,770	0	349	0	110,134	2,770	0
Nov.	2,440	118,362	2,440	0	234	0	108,451	2,440	0
Dec.	4,290	118,128	4,290	53,539	0	0	106,922	4,290	40,981
Total or average	299,710		72,456	227,682	3,549	0		72,456	198,812

TABLE 16a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
USE OF RES

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram					Flood control partially Constant draft of 22 second- only as required by		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1915									
Jan.	7,380	64,589	4,428	9,932	0	0	64,589	4,428	8,659
Feb.	30,200	57,609	8,412	21,485	0	0	57,530	8,412	20,577
Mar.	21,500	57,912	9,344	0	0	0	57,519	9,344	0
April	17,300	70,068	9,042	0	238	0	68,323	9,042	0
May	20,400	78,088	9,344	0	369	0	75,034	9,344	0
June	11,400	88,775	8,967	0	476	0	84,395	8,967	0
July	7,010	90,732	7,010	0	529	0	85,085	7,010	0
Aug.	3,980	90,203	3,980	0	492	0	83,225	3,980	0
Sept.	3,270	89,711	3,270	0	381	0	81,409	3,270	0
Oct.	2,770	89,330	2,770	0	290	0	79,745	2,770	0
Nov.	3,010	89,040	3,010	0	192	0	78,125	3,010	0
Dec.	3,580	88,848	3,580	0	0	0	76,640	3,580	0
Total or average	131,800		73,157	31,417	2,967	0		73,157	29,236
1916									
Jan.	148,000	88,848	8,759	85,470	0	0	75,288	8,759	70,558
Feb.	39,400	142,619	8,741	101,672	0	0	142,619	8,741	100,407
Mar.	34,800	71,606	9,344	4,852	0	0	71,606	9,344	4,679
April	19,900	92,210	9,042	0	297	0	91,031	9,042	0
May	10,400	102,771	9,130	0	430	0	100,292	9,130	0
June	5,830	103,611	5,830	0	492	0	99,811	5,830	0
July	4,770	103,119	4,770	0	577	0	98,026	4,770	0
Aug.	3,570	102,542	3,570	0	535	0	96,119	3,570	0
Sept.	2,810	102,007	2,810	0	412	0	94,255	2,810	0
Oct.	7,010	101,595	6,473	0	307	0	92,555	6,473	0
Nov.	4,130	101,825	4,130	0	212	0	91,445	4,130	0
Dec.	13,600	101,613	5,253	46,759	0	0	89,940	5,253	33,734
Total or average	294,220		77,852	238,753	3,262	0		77,852	209,378
1917									
Jan.	9,280	63,201	8,172	14,791	0	0	63,201	8,172	13,501
Feb.	13,200	49,518	7,551	0	0	0	49,456	7,551	0
Mar.	13,600	55,167	9,344	0	0	0	53,883	9,344	0
April	10,500	59,423	9,042	0	212	0	56,787	9,042	0
May	8,610	60,669	8,531	0	288	0	56,728	8,531	0
June	5,270	60,460	5,270	0	347	0	55,179	5,270	0
July	3,140	60,113	3,140	0	410	0	53,543	3,140	0
Aug.	2,200	59,703	2,200	0	379	0	51,812	2,200	0
Sept.	1,510	59,324	1,510	0	293	0	50,115	1,510	0
Oct.	1,560	59,031	1,560	0	224	0	48,544	1,560	0
Nov.	1,840	58,807	1,840	0	149	0	46,994	1,840	0
Dec.	2,000	58,658	2,000	0	0	0	45,558	2,000	0
Total or average	72,710		60,160	14,791	2,302	0		60,160	13,501

RESERVOIR ON SAN GABRIEL RIVER.

THREE STEPS IN COORDINATING THE
RESERVOIR SPACE.

tions Carried Out on a Daily Basis.
mary, see Table 16, page 182.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

coordinated with conservation draft maintained, other drafts reservoir operating diagram			Flood control completely coordinated with conservation Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Constant draft from over-year storage (22 second- feet) in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (22 second- feet) in acre-feet	Variable summer draft from seasonally stored water in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	
1,352	0	0	51,337	4,428	3,629	1,352	0	0	0	1915
1,222	0	0	49,308	8,412	12,355	1,222	0	0	0	Jan.
1,352	0	0	57,519	9,344	0	1,352	0	0	0	Feb.
1,309	238	0	68,323	9,042	0	1,309	416	238	0	Mar.
1,352	343	0	74,618	9,344	0	1,352	2,090	341	0	Apr.
1,309	434	0	81,891	8,967	0	1,309	4,759	414	0	May
1,352	508	0	77,842	7,010	0	1,352	5,717	468	0	June
1,352	464	0	70,305	3,980	0	1,352	5,717	407	0	July
1,309	355	0	62,829	3,270	0	1,309	5,533	293	0	Aug.
1,352	268	0	55,694	2,770	0	1,352	0	214	0	Sept.
1,309	176	0	54,128	3,010	0	1,309	0	139	0	Oct.
1,352	0	0	52,680	3,580	0	1,352	0	0	0	Nov.
										Dec.
15,922	2,786	0		73,157	15,984	15,922	24,232	2,514	0	Total or average
1,352	0	0	51,328	8,759	51,935	1,352	0	0	0	1916
1,265	0	0	137,282	8,741	99,779	1,265	0	0	0	Jan.
1,352	0	0	66,897	9,344	603	1,352	0	0	0	Feb.
1,309	288	0	90,398	9,042	0	1,309	4,045	284	0	Mar.
1,352	399	0	95,618	9,130	0	1,352	6,393	379	0	Apr.
1,309	476	0	88,764	5,830	0	1,309	6,484	430	0	May
1,352	555	0	80,541	4,770	0	1,352	6,639	480	0	June
1,352	512	0	72,070	3,570	0	1,352	6,639	412	0	July
1,309	391	0	63,667	2,810	0	1,309	6,425	295	0	Aug.
1,352	295	0	55,638	6,473	0	1,352	0	214	0	Sept.
1,309	196	0	54,609	4,130	0	1,309	0	131	0	Oct.
1,352	0	0	53,169	5,253	0	1,352	0	0	0	Nov.
										Dec.
15,965	3,112	0		77,852	152,317	15,965	36,625	2,625	0	Total or average
1,352	0	0	60,164	8,172	10,464	1,352	0	0	0	1917
1,222	0	0	49,456	7,551	0	1,222	0	0	0	Jan.
1,352	0	0	53,883	9,344	0	1,352	0	0	0	Feb.
1,309	208	0	56,787	9,042	0	1,309	0	208	0	Mar.
1,352	276	0	56,728	8,531	0	1,352	0	276	0	Apr.
1,309	327	0	55,179	5,270	0	1,309	0	327	0	May
1,352	379	0	53,543	3,140	0	1,352	0	379	0	June
1,352	345	0	51,812	2,200	0	1,352	0	345	0	July
1,309	262	0	50,115	1,510	0	1,309	0	262	0	Aug.
1,352	198	0	48,544	1,560	0	1,352	0	198	0	Sept.
1,309	127	0	46,994	1,840	0	1,309	0	127	0	Oct.
1,352	0	0	45,558	2,000	0	1,352	0	0	0	Nov.
										Dec.
15,922	2,122	0		60,160	10,464	15,922	0	2,122	0	Total or average

TABLE 16a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR

USE OF RES

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram					Flood control partially Constant draft of 22 second-only as required by		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1918									
Jan.	2,020	58,658	2,020	0	0	0	44,206	2,020	0
Feb.	9,330	58,658	3,847	0	0	0	42,854	3,847	0
Mar.	73,200	64,141	9,249	19,393	0	0	47,115	9,249	3,595
April	17,000	108,699	9,042	0	321	0	106,119	9,042	0
May	10,000	116,336	8,993	0	444	0	112,453	8,993	0
June	6,010	116,899	6,010	0	531	0	111,672	6,010	0
July	3,970	116,368	3,970	0	627	0	109,849	3,970	0
Aug.	2,840	115,741	2,840	0	581	0	107,896	2,840	0
Sept.	2,330	115,160	2,330	0	446	0	105,993	2,330	0
Oct.	2,930	114,714	2,930	0	341	0	104,264	2,930	0
Nov.	3,140	114,373	3,140	11,869	238	0	102,593	3,140	0
Dec.	4,370	102,266	4,370	29,745	0	0	101,072	4,370	27,459
Total or average	137,140		58,741	61,007	3,529	0		58,741	31,054
1919									
Jan.	3,300	72,521	3,300	0	0	0	72,261	3,300	0
Feb.	4,110	72,521	4,110	0	0	0	70,909	4,110	0
Mar.	6,110	72,521	6,110	0	0	0	69,687	6,110	0
April	6,010	72,521	6,010	0	238	0	68,335	6,010	0
May	3,810	72,283	3,810	0	323	0	66,796	3,810	0
June	1,890	71,960	1,890	0	387	0	65,139	1,890	0
July	1,320	71,573	1,320	0	458	0	63,469	1,320	0
Aug.	935	71,115	935	0	422	0	61,697	935	0
Sept.	1,010	70,693	1,010	0	327	0	59,960	1,010	0
Oct.	2,040	70,366	2,040	0	248	0	58,358	2,040	0
Nov.	2,130	70,118	2,130	0	165	0	56,784	2,130	0
Dec.	5,340	69,953	5,209	7,081	0	0	55,332	5,209	0
Total or average	38,005		37,874	7,081	2,568	0		37,874	0
1920									
Jan.	3,260	63,003	3,260	8,130	0	0	54,111	3,260	0
Feb.	12,700	54,873	5,854	885	0	0	52,759	5,854	0
Mar.	36,200	60,834	9,344	1,148	0	0	53,340	9,344	0
April	25,100	86,542	9,042	0	288	0	83,844	9,042	0
May	12,600	102,312	9,344	0	410	0	98,309	9,344	0
June	7,380	105,158	7,349	0	494	0	99,812	7,349	0
July	4,670	104,695	4,670	0	583	0	98,058	4,670	0
Aug.	3,200	104,112	3,200	0	541	0	96,151	3,200	0
Sept.	2,030	103,571	2,030	0	416	0	94,287	2,030	0
Oct.	2,000	103,155	2,000	0	317	0	92,587	2,000	0
Nov.	2,380	102,838	2,380	358	214	0	90,940	2,380	0
Dec.	2,210	102,266	2,210	30,538	0	0	89,437	2,210	16,619
Total or average	113,730		60,683	41,059	3,263	0		60,683	16,619

RESERVOIR ON SAN GABRIEL RIVER.

THREE STEPS IN COORDINATING THE
REVOIR SPACE.

tions Carried Out on a Daily Basis.

mary, see Table 16, page 182.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

coordinated with conservation feet maintained, other drafts reservoir operating diagram			Flood control completely coordinated with conservation Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Constant draft from over-year storage (22 second- feet) in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (22 second- feet) in acre-feet	Variable summer draft from seasonally stored water in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	
1918										
1,352	0	0	44,206	2,020	0	1,352	0	0	0	Jan.
1,222	0	0	42,854	3,847	0	1,222	0	0	0	Feb.
1,352	0	0	47,115	9,249	3,595	1,352	0	0	0	Mar.
1,309	315	0	106,119	9,042	0	1,309	6,603	307	0	April
1,352	436	0	105,858	8,993	0	1,352	8,422	412	0	May
1,309	514	0	96,679	6,010	0	1,309	8,388	454	0	June
1,352	601	0	86,528	3,970	0	1,352	8,668	496	0	July
1,352	551	0	76,012	2,840	0	1,352	8,606	422	0	Aug.
1,309	420	0	65,632	2,330	0	1,309	8,329	297	0	Sept.
1,352	319	0	55,697	2,930	0	1,352	0	214	0	Oct.
1,309	212	0	54,131	3,140	0	1,309	0	139	0	Nov.
1,352	0	0	52,683	4,370	0	1,352	0	0	0	Dec.
15,922	3,368	0		58,741	3,595	15,922	49,016	2,741	0	Total or average
1919										
1,352	0	0	51,331	3,300	0	1,352	0	0	0	Jan.
1,222	0	0	49,979	4,110	0	1,222	0	0	0	Feb.
1,352	0	0	48,757	6,110	0	1,352	0	0	0	Mar.
1,309	230	0	47,405	6,010	0	1,309	0	182	0	April
1,352	305	0	45,914	3,810	0	1,352	0	244	0	May
1,309	361	0	44,318	1,890	0	1,309	0	284	0	June
1,352	420	0	42,725	1,320	0	1,352	0	329	0	July
1,352	385	0	41,044	935	0	1,352	0	299	0	Aug.
1,309	293	0	39,393	1,010	0	1,309	0	230	0	Sept.
1,352	222	0	37,854	2,040	0	1,352	0	171	0	Oct.
1,309	143	0	36,331	2,130	0	1,309	0	109	0	Nov.
1,352	0	0	34,913	5,209	0	1,352	0	0	0	Dec.
15,922	2,359	0		37,874	0	15,922	0	1,848	0	Total or average
1920										
1,352	0	0	33,692	3,260	0	1,352	0	0	0	Jan.
1,265	0	0	32,340	5,854	0	1,265	0	0	0	Feb.
1,352	0	0	37,921	9,344	0	1,352	0	0	0	Mar.
1,309	284	0	63,425	9,042	0	1,309	0	236	0	April
1,352	401	0	77,938	9,344	0	1,352	2,766	339	0	May
1,309	476	0	76,737	7,349	0	1,309	3,510	395	0	June
1,352	555	0	71,554	4,670	0	1,352	3,565	446	0	July
1,352	512	0	66,191	3,200	0	1,352	3,627	395	0	Aug.
1,309	391	0	60,817	2,030	0	1,309	3,510	290	0	Sept.
1,352	295	0	55,708	2,000	0	1,352	0	214	0	Oct.
1,309	194	0	54,142	2,380	0	1,309	0	139	0	Nov.
1,352	0	0	52,694	2,210	0	1,352	0	0	0	Dec.
15,965	3,108	0		60,683	0	15,965	16,978	2,454	0	Total or average

TABLE 16a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
USE OF RESMonthly Summary of Computa
(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram					Flood control partially Constant draft of 22 second- only as required by		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1921									
Jan.	5,160	71,728	4,405	19,991	0	0	71,466	4,405	18,459
Feb.	4,490	52,492	4,490	0	0	0	52,410	4,490	0
Mar.	15,400	52,492	7,288	0	0	0	51,188	7,288	0
April	6,070	60,604	6,070	0	214	0	57,948	6,070	0
May	15,700	60,390	6,835	0	295	0	56,433	6,835	0
June	8,980	68,960	7,920	0	379	0	63,664	7,920	0
July	3,830	69,641	3,830	0	450	0	63,054	3,830	0
Aug.	2,450	69,191	2,450	0	416	0	61,284	2,450	0
Sept.	1,840	68,775	1,840	0	323	0	59,549	1,840	0
Oct.	2,040	68,452	2,040	0	244	0	57,947	2,040	0
Nov.	1,800	68,208	1,800	0	163	0	56,375	1,800	0
Dec.	119,000	68,045	5,045	42,364	0	0	54,923	5,045	41,740
Total or average	186,760		54,013	62,355	2,484	0		54,013	60,199
1922									
Jan.	62,100	139,636	9,344	108,684	0	0	125,786	9,344	107,332
Feb.	88,900	83,708	8,440	98,166	0	0	69,858	8,440	83,316
Mar.	47,800	66,002	9,344	3,576	0	0	65,780	9,344	2,882
April	31,400	100,882	9,042	0	321	0	100,002	9,042	0
May	24,700	122,919	9,344	0	482	0	120,734	9,344	0
June	14,400	137,793	9,042	0	605	0	134,264	9,042	0
July	9,100	142,546	8,576	0	720	0	137,722	8,576	0
Aug.	5,080	142,350	5,080	0	670	0	136,194	5,080	0
Sept.	3,290	141,680	3,290	0	516	0	134,196	3,290	0
Oct.	3,110	141,164	3,110	0	393	0	132,391	3,110	0
Nov.	5,310	140,771	4,519	37,066	246	0	130,664	4,519	25,655
Dec.	21,500	104,250	8,456	54,093	0	0	104,249	8,456	52,740
Total or average	316,690		87,587	301,585	3,953	0		87,587	271,925
1923									
Jan.	7,130	63,201	6,968	13,408	0	0	63,201	6,968	12,056
Feb.	7,830	49,955	7,791	0	0	0	49,955	7,791	0
Mar.	7,320	49,994	7,320	0	0	0	48,772	7,320	0
April	8,330	49,994	8,079	0	190	0	47,420	8,079	0
May	5,480	50,055	5,480	0	258	0	46,180	5,480	0
June	3,700	49,797	3,700	0	309	0	44,584	3,700	0
July	2,420	49,488	2,420	0	363	0	42,987	2,420	0
Aug.	1,990	49,125	1,990	0	337	0	41,304	1,990	0
Sept.	1,750	48,788	1,750	0	262	0	39,653	1,750	0
Oct.	1,710	48,526	1,710	0	198	0	38,112	1,710	0
Nov.	1,960	48,328	1,960	0	131	0	36,589	1,960	0
Dec.	2,130	48,197	2,130	0	0	0	35,169	2,130	0
Total or average	51,750		51,298	13,408	2,048	0		51,298	12,056

TABLE 16a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
USE OF RES

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram					Flood control partially Constant draft of 22 second- only as required by		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
1924									
Jan.	2,170	48,197	2,170	0	0	0	33,817	2,170	0
Feb.	1,790	48,197	1,790	0	0	0	32,465	1,790	0
Mar.	4,130	48,197	3,714	0	0	0	31,200	3,714	0
April	6,190	48,613	6,190	0	188	0	30,264	6,190	0
May	3,650	48,425	3,650	0	252	0	28,814	3,650	0
June	1,660	48,173	1,660	0	303	0	27,276	1,660	0
July	1,000	47,870	1,000	0	359	0	25,753	1,000	0
Aug.	756	47,511	756	0	329	0	24,153	756	0
Sept.	744	47,182	744	0	256	0	22,579	744	0
Oct.	873	46,926	873	0	196	0	21,103	873	0
Nov.	1,190	46,730	1,190	0	129	0	19,628	1,190	0
Dec.	1,780	46,601	1,780	0	0	0	18,240	1,780	0
Total or average	25,933		25,517	0	2,012	0		25,517	0
1925									
Jan.	1,710	46,601	1,710	0	0	0	16,888	1,710	0
Feb.	1,620	46,601	1,620	0	0	0	15,536	1,620	0
Mar.	2,510	46,601	2,423	0	0	0	14,314	2,423	0
April	7,200	46,688	5,765	0	184	0	13,049	5,765	0
May	3,050	47,939	3,050	0	252	0	13,086	3,050	0
June	1,840	47,687	1,840	0	295	0	11,629	1,840	0
July	824	47,392	824	0	349	0	10,189	824	0
Aug.	621	47,043	621	0	329	0	8,696	621	0
Sept.	492	46,714	492	0	254	0	7,227	492	0
Oct.	873	46,460	873	0	194	0	5,837	873	0
Nov.	1,010	46,266	1,010	0	127	0	4,433	1,010	0
Dec.	1,650	46,139	1,650	0	0	0	3,996	1,650	0
Total or average	23,400		21,878	0	1,984	0		21,878	0
1926									
Jan.	1,540	46,139	1,540	0	0	0	1,744	1,540	0
Feb.	7,940	46,139	5,485	0	0	0	392	5,485	0
Mar.	3,650	48,594	3,650	0	0	0	1,625	3,650	0
April	69,000	48,594	8,233	0	274	0	273	8,233	0
May	13,000	109,087	9,142	0	434	0	59,572	9,142	0
June	5,500	112,511	5,500	0	520	0	61,785	5,500	0
July	3,120	111,991	3,120	0	611	0	60,127	3,120	0
Aug.	2,070	111,380	2,070	0	567	0	58,367	2,070	0
Sept.	1,580	110,813	1,580	0	436	0	56,642	1,580	0
Oct.		110,377					55,049		
Nov.									
Dec.									
Total or average	107,400		40,320	0	2,842	0		40,320	0

RESERVOIR ON SAN GABRIEL RIVER.

THREE STEPS IN COORDINATING THE
RESERVOIR SPACE.

tions Carried Out on a Daily Basis.

mary, see Table 16, page 182.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

coordinated with conservation feet maintained, other drafts reservoir operating diagram			Flood control completely coordinated with conservation Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Constant draft from over-year storage (22 second- feet) in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (22 second- feet) in acre-feet	Variable summer draft from seasonally stored water in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	
1924										
1,352	0	0	33,817	2,170	0	1,352	0	0	0	Jan.
1,265	0	0	32,465	1,790	0	1,265	0	0	0	Feb.
1,352	0	0	31,200	3,714	0	1,352	0	0	0	Mar.
1,309	141	0	30,264	6,190	0	1,309	0	141	0	April
1,352	186	0	28,814	3,650	0	1,352	0	186	0	May
1,309	214	0	27,276	1,660	0	1,309	0	214	0	June
1,352	248	0	25,753	1,000	0	1,352	0	248	0	July
1,352	222	0	24,153	756	0	1,352	0	222	0	Aug.
1,309	167	0	22,579	744	0	1,309	0	167	0	Sept.
1,352	123	0	21,103	873	0	1,352	0	123	0	Oct.
1,309	79	0	19,628	1,190	0	1,309	0	79	0	Nov.
1,352	0	0	18,240	1,780	0	1,352	0	0	0	Dec.
15,965	1,380	0		25,517	0	15,965	0	1,380	0	Total or average
1925										
1,352	0	0	16,888	1,710	0	1,352	0	0	0	Jan.
1,222	0	0	15,536	1,620	0	1,222	0	0	0	Feb.
1,352	0	0	14,314	2,423	0	1,352	0	0	0	Mar.
1,309	89	0	13,049	5,765	0	1,309	0	89	0	April
1,352	105	0	13,086	3,050	0	1,352	0	105	0	May
1,309	131	0	11,629	1,840	0	1,309	0	131	0	June
1,352	141	0	10,189	824	0	1,352	0	141	0	July
1,352	117	0	8,696	621	0	1,352	0	117	0	Aug.
1,309	81	0	7,227	492	0	1,309	0	81	0	Sept.
1,352	52	0	5,837	873	0	1,352	0	52	0	Oct.
1,309	28	0	4,433	1,010	0	1,309	0	28	0	Nov.
1,352	0	0	3,096	1,650	0	1,352	0	0	0	Dec.
15,922	744	0		21,878	0	15,922	0	744	0	Total or average
1926										
1,352	0	0	1,744	1,540	0	1,352	0	0	0	Jan.
1,222	0	0	392	5,485	0	1,222	0	0	0	Feb.
1,352	0	0	1,625	3,650	0	1,352	0	0	0	Mar.
1,309	159	0	273	8,233	0	1,309	0	159	0	April
1,352	293	0	59,572	9,142	0	1,352	0	293	0	May
1,309	349	0	61,785	5,500	0	1,309	0	349	0	June
1,352	408	0	60,127	3,120	0	1,352	0	408	0	July
1,352	373	0	58,367	2,070	0	1,352	0	373	0	Aug.
1,309	284	0	56,642	1,580	0	1,309	0	284	0	Sept.
			55,049							Oct.
										Nov.
										Dec.
11,909	1,866	0		40,320	0	11,909	0	1,866	0	Total or average

TABLE 16a (Concluded). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
USE OF RES

Monthly Summary of Computa

(For corresponding yearly sum

Height of dam 383 feet.

Capacity of reservoir 180,000 acre-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Flood control alone Water drawn from reservoir only as required by reservoir operating diagram					Flood control partially Constant draft of 22 second- only as required by		
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet
Total for period, Jan. 1, 1897, to Oct. 1, 1926	3,731,977		1,513,303	^a 2,076,091	87,430	7,426		1,513,303	1,672,152
Average for period, Jan. 1, 1897, to Oct. 1, 1926	125,445		50,867	^a 69,785	2,939	250		50,867	^b 56,207

^a In the computations for this table the period of analysis closed with 47,727 acre-feet more water in storage than at the beginning, the equivalent of 1604 acre-feet per season. Since in the computations this water was stored in the last year of the period of analysis, the exact yield of flood control water for the period is greater than here shown by this amount.

RESERVOIR ON SAN GABRIEL RIVER.

THREE STEPS IN COORDINATING THE
ERVOIR SPACE.

tions Carried Out on a Daily Basis.

mary, see Table 16, page 182.)

Maximum controlled flow at Azusa 1,900 second-feet.

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

coordinated with conservation feet maintained, other drafts reservoir operating diagram			Flood control completely coordinated with conservation Reservoir emptied each summer to a level that would maintain constant draft through critical period; constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram							Year and month
Constant draft from over-year storage (22 second- feet) in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (22 second- feet) in acre-feet	Variable summer draft from seasonally stored water in acre-feet	Evapora- tion from reservoir surface in acre-feet	Waste over spillway in acre-feet	
473,905	76,867	3,351		1,513,303	^b 1,010,662	473,905	676,322	65,386	0	Total for period, Jan. 1, 1897, to Oct. 1, 1926
15,930	2,584	113		50,867	^b 33,972	15,930	22,734	2,198	0	Average for period, Jan. 1, 1897, to Oct. 1, 1926

^b These figures contain 7601 acre-feet total or an average of 256 acre-feet per season of water contributed from outside the exact period, of analysis. In the computations from which this table is prepared, the water in storage on October 1, 1926, the end of the period, is less by this amount than on January 1, 1897, the beginning of the period. Since in the computations this water was released as flood control water during the first flood season of the period, the exact yield of flood control water for the period, is less than here shown by this amount.

TABLE 17a. SAN GABRIEL RESER
COMPARISON OF WATER YIELD FOR
FOR FLOOD CONTROL AND
Monthly Summary of Computa
(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Height of dam, 383 feet. Capacity of reservoir, 180,000 acre-feet Constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram					
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1897							
Jan.	3,617	62,650	3,617	11,779	1,352	0	0
Feb.	19,146	49,519	7,262	4,628	1,222	0	0
Mar.	28,623	55,353	9,344	0	1,352	0	0
April	17,519	73,480	9,042	0	1,309	235	0
May	8,851	80,413	8,126	0	1,352	353	0
June	4,033	79,432	4,033	0	1,309	412	0
July	2,343	77,712	2,343	0	1,352	485	0
Aug.	1,613	75,875	1,613	0	1,352	440	0
Sept.	1,226	74,083	1,226	0	1,309	337	0
Oct.	5,564	72,437	2,622	0	1,352	258	0
Nov.	1,860	73,769	1,860	0	1,309	171	0
Dec.	1,875	72,289	1,875	0	1,352	0	0
Total or average	96,270		52,963	16,407	15,922	2,691	0
1898							
Jan.	2,453	70,937	2,453	10,849	1,352	0	0
Feb.	2,241	58,736	2,241	0	1,222	0	0
Mar.	2,131	57,514	2,131	0	1,352	0	0
April	1,950	56,162	1,950	0	1,309	202	0
May	2,213	54,651	2,213	0	1,352	270	0
June	1,159	53,029	1,159	0	1,309	325	0
July	672	51,395	672	0	1,352	369	0
Aug.	456	49,674	456	0	1,352	337	0
Sept.	467	47,985	467	0	1,309	256	0
Oct.	533	46,420	533	0	1,352	192	0
Nov.	580	44,876	580	0	1,309	125	0
Dec.	832	43,442	832	0	1,352	0	0
Total or average	15,687		15,687	10,849	15,922	2,076	0
1899							
Jan.	1,414	42,090	1,414	0	1,352	0	0
Feb.	1,244	40,738	1,244	0	1,222	0	0
Mar.	1,623	39,516	1,623	0	1,352	0	0
April	1,262	38,164	1,262	0	1,309	161	0
May	842	36,694	842	0	1,352	214	0
June	565	35,128	565	0	1,309	248	0
July	221	33,571	221	0	1,352	288	0
Aug.	295	31,931	295	0	1,352	260	0
Sept.	220	30,319	220	0	1,309	198	0
Oct.	683	28,812	683	0	1,352	147	0
Nov.	847	27,313	847	0	1,309	91	0
Dec.	1,247	25,913	1,247	0	1,352	0	0
Total or average	10,463		10,463	0	15,922	1,607	0
1900							
Jan.	1,968	24,561	1,968	0	1,352	0	0
Feb.	1,111	23,209	1,111	0	1,222	0	0
Mar.	1,230	21,987	1,230	0	1,352	0	0
April	1,012	20,635	1,012	0	1,309	115	0
May	2,275	19,211	2,275	0	1,352	147	0
June	893	17,712	893	0	1,309	180	0
July	369	16,223	369	0	1,352	192	0
Aug.	246	14,679	246	0	1,352	169	0
Sept.	238	13,158	238	0	1,309	121	0
Oct.	307	11,728	307	0	1,352	95	0
Nov.	11,068	10,281	1,058	0	1,309	59	0
Dec.	1,269	18,923	1,269	0	1,352	0	0
Total or average	21,986		11,976	0	15,922	1,078	0

VOIR ON SAN GABRIEL RIVER.

TWO SIZES OF RESERVOIR OPERATING
CONSTANT DRAFT ONLY.

tions Carried out on a Daily Basis.
mary, see Table 17, page 184.)

Maximum flood control reserve 131,000 acre-feet

feet passed for prior rights.

Height of dam, 425 feet. Capacity of reservoir, 240,000 acre-feet Constant draft of 41 second-feet maintained, other drafts only as required by reservoir operating diagram						Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (41 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
122,650	3,617	10,611	2,520	0	0	1897
109,519	7,262	4,478	2,276	0	0	Jan.
114,649	9,344	0	2,520	0	0	Feb.
131,408	9,042	0	2,439	363	0	Mar.
137,083	8,126	0	2,520	494	0	April
134,794	4,033	0	2,439	583	0	May
131,772	2,343	0	2,520	674	0	June
128,578	1,613	0	2,520	621	0	July
125,437	1,226	0	2,439	472	0	Aug.
122,526	2,622	0	2,520	357	0	Sept.
122,591	1,860	0	2,439	238	0	Oct.
119,914	1,875	0	2,520	0	0	Nov.
						Dec.
	52,963	15,089	29,672	3,802	0	Total or average
117,394	2,453	0	2,520	0	0	1898
114,874	2,241	0	2,276	0	0	Jan.
112,598	2,131	0	2,520	0	0	Feb.
110,078	1,950	0	2,439	313	0	Mar.
107,326	2,213	0	2,520	410	0	April
104,396	1,159	0	2,439	490	0	May
101,467	672	0	2,520	565	0	June
98,382	456	0	2,520	516	0	July
95,346	467	0	2,439	391	0	Aug.
92,516	533	0	2,520	293	0	Sept.
89,703	580	0	2,439	192	0	Oct.
87,072	832	0	2,520	0	0	Nov.
						Dec.
	15,687	0	29,672	3,170	0	Total or average
84,552	1,414	0	2,520	0	0	1899
82,032	1,244	0	2,276	0	0	Jan.
79,756	1,623	0	2,520	0	0	Feb.
77,236	1,262	0	2,439	246	0	Mar.
74,551	842	0	2,520	325	0	April
71,706	565	0	2,439	383	0	May
68,884	221	0	2,520	440	0	June
65,924	205	0	2,520	399	0	July
63,005	220	0	2,439	301	0	Aug.
60,265	683	0	2,520	224	0	Sept.
57,521	847	0	2,439	143	0	Oct.
54,939	1,247	0	2,520	0	0	Nov.
						Dec.
	10,463	0	29,672	2,461	0	Total or average
52,419	1,968	0	2,520	0	0	1900
49,899	1,111	0	2,276	0	0	Jan.
47,623	1,230	0	2,520	0	0	Feb.
45,103	1,012	0	2,439	176	0	Mar.
42,488	2,275	0	2,520	230	0	April
39,738	893	0	2,439	264	0	May
37,035	369	0	2,520	299	0	June
34,216	246	0	2,520	268	0	July
31,428	238	0	2,439	200	0	Aug.
28,789	307	0	2,520	143	0	Sept.
26,124	1,058	0	2,439	95	0	Oct.
33,600	1,269	0	2,520	0	0	Nov.
						Dec.
	11,976	0	29,672	1,677	0	Total or average

TABLE 17a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
FOR FLOOD CONTROL AND
Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Height of dam, 383 feet. Capacity of reservoir, 180,000 acre-feet Constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram					
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1901							
Jan.	10,391	17,571	6,661	0	1,352	0	0
Feb.	38,709	19,949	8,350	0	1,222	0	0
Mar.	13,589	49,086	9,138	0	1,352	0	0
April	6,545	52,185	6,545	0	1,309	192	0
May	7,440	50,684	6,990	0	1,352	260	0
June	3,749	49,522	3,749	0	1,309	305	0
July	1,845	47,908	1,845	0	1,352	353	0
Aug.	1,240	46,203	1,240	0	1,352	321	0
Sept.	1,012	44,530	1,012	0	1,309	246	0
Oct.	1,476	42,975	1,476	0	1,352	184	0
Nov.	1,904	41,439	1,904	0	1,309	115	0
Dec.	1,660	40,015	1,660	0	1,352	0	0
Total or average	89,560		50,570	0	15,922	1,976	0
1902							
Jan.	1,722	38,663	1,722	0	1,352	0	0
Feb.	2,055	37,311	2,055	0	1,222	0	0
Mar.	6,088	36,089	5,590	0	1,352	0	0
April	3,928	35,235	3,928	0	1,309	153	0
May	2,398	33,773	2,398	0	1,352	204	0
June	1,190	32,217	1,190	0	1,309	236	0
July	676	30,672	676	0	1,352	272	0
Aug.	430	29,048	430	0	1,352	246	0
Sept.	298	27,450	298	0	1,309	186	0
Oct.	430	25,955	430	0	1,352	139	0
Nov.	1,131	24,464	1,131	0	1,309	87	0
Dec.	1,968	23,068	1,968	0	1,352	0	0
Total or average	22,314		21,816	0	15,922	1,523	0
1903							
Jan.	9,100	21,716	2,536	0	1,352	0	0
Feb.	5,665	26,928	5,497	0	1,222	0	0
Mar.	15,802	25,874	7,898	0	1,352	0	0
April	47,127	32,426	9,042	0	1,309	208	0
May	13,343	68,994	9,116	0	1,352	323	0
June	5,653	71,546	5,653	0	1,309	385	0
July	2,644	69,852	2,644	0	1,352	446	0
Aug.	1,783	68,054	1,783	0	1,352	410	0
Sept.	1,488	66,292	1,488	0	1,309	313	0
Oct.	1,476	64,670	1,476	0	1,352	236	0
Nov.	1,428	63,082	1,428	0	1,309	155	0
Dec.	1,476	61,618	1,476	0	1,352	0	0
Total or average	106,985		50,037	0	15,922	2,476	0
1904							
Jan.	1,500	60,266	1,500	0	1,352	0	0
Feb.	2,744	58,914	2,177	0	1,265	0	0
Mar.	6,813	58,216	4,724	0	1,352	0	0
April	5,337	58,953	5,337	0	1,309	208	0
May	4,089	57,436	4,089	0	1,352	280	0
June	1,517	55,804	1,517	0	1,309	329	0
July	861	54,166	861	0	1,352	383	0
Aug.	793	52,431	793	0	1,352	349	0
Sept.	643	50,730	643	0	1,309	266	0
Oct.	738	49,155	738	0	1,352	206	0
Nov.	762	47,597	762	0	1,309	133	0
Dec.	1,039	46,155	1,039	0	1,352	0	0
Total or average	26,836		24,180	0	15,965	2,154	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO SIZES OF RESERVOIR OPERATING
CONSTANT DRAFT ONLY.

tions Carried out on a Daily Basis.

mary, see Table 17, page 184.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

Height of dam, 425 feet. Capacity of reservoir, 240,000 acre-feet Constant draft of 41 second-feet maintained, other drafts only as required by reservoir operating diagram						Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (41 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
31,080	6,661	0	2,520	0	0	1901
32,290	8,350	0	2,276	0	0	Jan.
60,373	9,138	0	2,520	0	0	Feb.
62,304	6,545	0	2,439	214	0	Mar.
59,651	6,990	0	2,520	284	0	Apr.
57,297	3,749	0	2,439	331	0	May
54,527	1,845	0	2,520	381	0	June
51,626	1,240	0	2,520	341	0	July
48,765	1,012	0	2,439	256	0	Aug.
46,070	1,476	0	2,520	188	0	Sept.
43,362	1,904	0	2,439	121	0	Oct.
40,802	1,660	0	2,520	0	0	Nov.
						Dec.
	50,570	0	29,672	2,116	0	Total or average
38,282	1,722	0	2,520	0	0	1902
35,762	2,055	0	2,276	0	0	Jan.
33,486	5,590	0	2,520	0	0	Feb.
31,464	3,928	0	2,439	143	0	Mar.
28,882	2,398	0	2,520	182	0	Apr.
26,180	1,190	0	2,439	208	0	May
23,533	676	0	2,520	232	0	June
20,781	430	0	2,520	202	0	July
18,059	298	0	2,439	145	0	Aug.
15,475	430	0	2,520	99	0	Sept.
12,856	1,131	0	2,439	58	0	Oct.
10,359	1,968	0	2,520	0	0	Nov.
						Dec.
	21,816	0	29,672	1,269	0	Total or average
7,839	2,536	0	2,520	0	0	1903
11,883	5,487	0	2,276	0	0	Jan.
9,775	7,898	0	2,520	0	0	Feb.
15,159	9,042	0	2,439	171	0	Mar.
50,634	9,116	0	2,520	268	0	Apr.
52,073	5,653	0	2,439	311	0	May
49,323	2,644	0	2,520	359	0	June
46,444	1,783	0	2,520	321	0	July
43,603	1,488	0	2,439	240	0	Aug.
40,924	1,476	0	2,520	176	0	Sept.
38,228	1,428	0	2,439	113	0	Oct.
35,676	1,476	0	2,520	0	0	Nov.
						Dec.
	50,037	0	29,672	1,959	0	Total or average
33,156	1,500	0	2,520	0	0	1904
30,636	2,177	0	2,358	0	0	Jan.
28,845	4,724	0	2,520	0	0	Feb.
28,414	5,337	0	2,439	135	0	Mar.
25,840	4,089	0	2,520	173	0	Apr.
23,147	1,517	0	2,439	194	0	May
20,514	861	0	2,520	216	0	June
17,778	793	0	2,520	184	0	July
15,074	643	0	2,439	129	0	Aug.
12,506	738	0	2,520	87	0	Sept.
9,899	762	0	2,439	50	0	Oct.
7,410	1,039	0	2,520	0	0	Nov.
						Dec.
	24,180	0	29,754	1,168	0	Total or average

TABLE 17a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
FOR FLOOD CONTROL AND
Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Height of dam, 383 feet. Capacity of reservoir, 180,000 acre-feet Constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram					
		Stage of reservoir at beginning of month in acre-feet	Passed over dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1905							
Jan.	2,251	44,803	2,251	0	1,352	0	0
Feb.	25,880	43,451	8,206	6,204	1,222	0	0
Mar.	75,140	53,699	9,281	16,231	1,352	0	0
April	19,580	101,975	9,042	0	1,309	311	0
May	17,090	110,893	9,344	0	1,352	438	0
June	8,271	116,849	7,960	0	1,309	529	0
July	5,103	115,322	5,103	0	1,352	621	0
Aug.	2,631	113,349	2,631	0	1,352	571	0
Sept.	1,869	111,426	1,869	0	1,309	436	0
Oct.	1,770	109,681	1,770	0	1,352	329	0
Nov.	2,660	108,000	2,660	3,610	1,309	220	0
Dec.	2,470	102,861	2,470	6,944	1,352	0	0
Total or average	164,715		62,587	32,989	15,922	3,455	0
1906							
Jan.	4,240	94,565	3,533	33,608	1,352	0	0
Feb.	3,960	60,212	3,960	0	1,222	0	0
Mar.	129,000	58,990	7,561	30,250	1,352	0	0
April	34,600	148,827	9,042	20,735	1,309	381	0
May	21,000	151,960	9,344	0	1,352	541	0
June	15,500	161,723	9,042	0	1,309	674	0
July	9,350	166,198	8,664	0	1,352	803	0
Aug.	4,490	164,729	4,490	0	1,352	738	0
Sept.	2,840	162,639	2,840	0	1,309	567	0
Oct.	2,450	160,763	2,450	0	1,352	430	0
Nov.	2,400	158,981	2,400	5,941	1,309	286	0
Dec.	11,600	151,445	4,030	94,462	1,352	0	0
Total or average	241,430		67,456	184,996	15,922	4,420	0
1907							
Jan.	58,400	63,201	9,217	56,159	1,352	0	0
Feb.	47,100	54,873	8,439	29,904	1,222	0	0
Mar.	116,000	62,408	9,344	45,814	1,352	0	0
April	58,400	121,898	9,042	453	1,309	391	0
May	21,500	169,103	9,344	0	1,352	585	0
June	15,100	179,322	9,042	0	1,309	720	3,351
July	8,360	180,000	7,920	0	1,352	847	0
Aug.	5,390	178,241	5,390	0	1,352	781	0
Sept.	3,580	176,108	3,580	0	1,309	599	0
Oct.	4,090	174,200	4,090	3,106	1,352	450	0
Nov.	3,800	169,292	3,800	53,565	1,309	254	0
Dec.	3,600	114,164	3,600	12,164	1,352	0	0
Total or average	345,320		82,808	201,165	15,922	4,627	3,351
1908							
Jan.	11,100	100,648	4,973	24,273	1,352	0	0
Feb.	15,000	81,150	8,741	35,256	1,265	0	0
Mar.	12,700	50,888	9,255	0	1,352	0	0
April	9,280	52,981	8,656	0	1,309	196	0
May	7,190	52,100	7,139	0	1,352	262	0
June	4,190	50,537	4,190	0	1,309	309	0
July	2,560	48,919	2,560	0	1,352	359	0
Aug.	2,210	47,208	2,210	0	1,352	325	0
Sept.	1,820	45,531	1,820	0	1,309	252	0
Oct.	2,070	43,970	2,070	0	1,352	186	0
Nov.	1,960	42,432	1,960	0	1,309	123	0
Dec.	2,870	41,000	2,870	0	1,352	0	0
Total or average	72,950		56,444	59,529	15,965	2,012	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO SIZES OF RESERVOIR OPERATING
CONSTANT DRAFT ONLY.

tions Carried out on a Daily Basis.
mary, see Table 17, page 184.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

Height of dam, 425 feet. Capacity of reservoir, 240,000 acre-feet Constant draft of 41 second-feet maintained, other drafts only as required by reservoir operating diagram						
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (41 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Year and month
1905						
4,890	2,251	0	2,520	0	0	Jan.
2,370	8,206	0	2,276	0	0	Feb.
17,768	9,281	0	2,520	0	0	Mar.
81,107	9,042	0	2,439	268	0	April
88,938	9,344	0	2,520	377	0	May
93,787	7,960	0	2,439	464	0	June
91,195	5,103	0	2,520	527	0	July
88,148	2,631	0	2,520	482	0	Aug.
85,146	1,869	0	2,439	365	0	Sept.
82,342	1,770	0	2,520	272	0	Oct.
79,550	2,660	0	2,439	176	0	Nov.
76,935	2,470	0	2,520	0	0	Dec.
	62,587	0	29,672	2,931	0	Total or average
1906						
74,415	3,633	0	2,520	0	0	Jan.
72,502	3,960	0	2,276	0	0	Feb.
70,226	7,561	9,428	2,520	0	0	Mar.
179,717	9,042	0	2,439	468	0	April
202,368	9,344	0	2,520	658	0	May
210,846	9,042	0	2,439	815	0	June
214,050	8,664	0	2,520	960	0	July
211,256	4,490	0	2,520	882	0	Aug.
207,854	2,840	0	2,439	672	0	Sept.
204,743	2,450	0	2,520	510	0	Oct.
201,713	2,400	0	2,439	335	0	Nov.
198,939	4,030	80,788	2,520	0	0	Dec.
	67,456	90,216	29,672	5,300	0	Total or average
1907						
123,201	9,217	54,991	2,520	0	0	Jan.
114,873	8,439	28,878	2,276	0	0	Feb.
122,380	9,344	44,618	2,520	0	0	Mar.
181,898	9,042	360	2,439	496	0	April
227,961	9,344	0	2,520	724	0	May
236,873	9,042	0	2,439	886	0	June
239,606	7,920	0	2,520	1,047	0	July
236,479	5,390	0	2,520	958	0	Aug.
233,001	3,580	0	2,439	736	0	Sept.
229,826	4,090	0	2,520	557	0	Oct.
226,749	3,800	49,817	2,439	329	0	Nov.
174,164	3,600	11,787	2,520	0	0	Dec.
	82,808	190,451	29,672	5,733	0	Total or average
1908						
159,857	4,973	24,010	2,520	0	0	Jan.
139,454	8,741	33,168	2,358	0	0	Feb.
110,187	9,255	0	2,520	0	0	Mar.
111,112	8,656	0	2,439	317	0	April
108,980	7,439	0	2,520	420	0	May
106,091	4,190	0	2,439	494	0	June
103,158	2,560	0	2,520	573	0	July
100,065	2,210	0	2,520	524	0	Aug.
97,021	1,820	0	2,439	397	0	Sept.
94,185	2,070	0	2,520	287	0	Oct.
91,368	1,960	0	2,439	194	0	Nov.
88,735	2,870	0	2,520	0	0	Dec.
	56,444	57,178	29,754	3,216	0	Total or average

TABLE 17a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
FOR FLOOD CONTROL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Height of dam, 383 feet. Capacity of reservoir, 180,000 acre-feet Constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram					
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1909							
Jan.	25,500	39,648	5,596	8,681	1,352	0	0
Feb.	59,400	49,519	8,440	41,897	1,222	0	0
Mar.	26,300	57,360	9,344	0	1,352	0	0
April	28,000	72,964	9,042	0	1,309	262	0
May	15,200	90,351	9,344	0	1,352	381	0
June	8,570	94,474	8,319	0	1,309	460	0
July	5,040	92,956	5,040	0	1,352	537	0
Aug.	3,120	91,067	3,120	0	1,352	494	0
Sept.	2,320	89,221	2,320	0	1,309	377	0
Oct.	2,310	87,535	2,310	0	1,352	286	0
Nov.	2,880	85,897	2,880	0	1,309	188	0
Dec.	20,900	84,400	6,346	24,763	1,352	0	0
Total or average	199,540		72,101	75,341	15,922	2,985	0
1910							
Jan.	69,500	72,839	9,344	81,516	1,352	0	0
Feb.	11,500	50,127	8,435	2,292	1,222	0	0
Mar.	9,590	49,678	9,029	0	1,352	0	0
April	8,270	48,887	8,120	0	1,309	186	0
May	5,050	47,542	5,050	0	1,352	250	0
June	3,560	45,940	3,560	0	1,309	291	0
July	2,450	44,340	2,450	0	1,352	337	0
Aug.	1,710	42,651	1,710	0	1,352	307	0
Sept.	1,370	40,992	1,370	0	1,309	234	0
Oct.	1,560	39,449	1,560	0	1,352	174	0
Nov.	1,870	37,923	1,870	0	1,309	113	0
Dec.	2,020	36,501	2,020	0	1,352	0	0
Total or average	118,450		54,518	83,808	15,922	1,892	0
1911							
Jan.	37,200	35,149	6,441	6,949	1,352	0	0
Feb.	44,300	57,607	8,440	38,010	1,222	0	0
Mar.	122,000	54,235	9,344	55,857	1,352	0	0
April	28,200	109,682	9,042	0	1,309	335	0
May	16,600	127,196	9,344	0	1,352	478	0
June	7,500	132,622	7,322	0	1,309	579	0
July	5,230	130,912	5,230	0	1,352	676	0
Aug.	3,610	128,884	3,610	0	1,352	623	0
Sept.	2,830	126,909	2,830	0	1,309	476	0
Oct.	3,140	125,124	3,140	0	1,352	361	0
Nov.	2,800	123,411	2,800	1,061	1,309	288	0
Dec.	2,870	120,803	2,870	22,352	1,352	0	0
Total or average	276,280		70,413	124,229	15,922	3,766	0
1912							
Jan.	2,710	97,099	2,710	0	1,352	0	0
Feb.	2,230	95,747	2,230	0	1,265	0	0
Mar.	22,900	94,482	8,199	496	1,352	0	0
April	18,000	107,335	8,515	0	1,309	315	0
May	10,900	115,196	8,828	0	1,352	442	0
June	4,990	115,474	4,990	0	1,309	525	0
July	3,060	113,640	3,060	0	1,352	613	0
Aug.	1,960	111,675	1,960	0	1,352	565	0
Sept.	1,550	109,758	1,550	0	1,309	430	0
Oct.	1,830	108,019	1,830	0	1,352	327	0
Nov.	1,730	106,340	1,730	0	1,309	216	0
Dec.	1,760	104,815	1,760	0	1,352	0	0
Total or average	73,620		47,362	496	15,965	3,433	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO SIZES OF RESERVOIR OPERATING
CONSTANT DRAFT ONLY.

tions Carried out on a Daily Basis.

mary, see Table 17, page 184.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

Height of dam, 425 feet. Capacity of reservoir, 240,000 acre-feet Constant draft of 41 second-feet maintained, other drafts only as required by reservoir operating diagram						Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (41 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
						1909
86,215	5,596	0	2,520	0	0	Jan.
103,599	8,440	35,296	2,276	0	0	Feb.
116,987	9,344	0	2,520	0	0	Mar.
131,423	9,042	0	2,439	375	0	April
147,567	9,344	0	2,520	525	0	May
150,378	8,319	0	2,439	631	0	June
147,559	5,040	0	2,520	734	0	July
144,305	3,120	0	2,520	672	0	Aug.
141,113	2,320	0	2,439	512	0	Sept.
138,162	2,310	0	2,520	385	0	Oct.
135,257	2,880	0	2,439	254	0	Nov.
132,564	6,346	11,759	2,520	0	0	Dec.
						Total or average
	72,101	47,055	29,672	4,088		
						1910
132,839	9,344	80,362	2,520	0	0	Jan.
110,113	8,435	1,945	2,276	0	0	Feb.
108,957	9,029	0	2,520	0	0	Mar.
106,998	8,120	0	2,439	307	0	April
104,402	5,050	0	2,520	407	0	May
101,475	3,560	0	2,439	478	0	June
98,558	2,450	0	2,520	555	0	July
95,485	1,710	0	2,520	506	0	Aug.
92,457	1,370	0	2,439	385	0	Sept.
89,633	1,560	0	2,520	288	0	Oct.
86,825	1,870	0	2,439	188	0	Nov.
84,198	2,020	0	2,520	0	0	Dec.
						Total or average
	54,518	82,307	29,672	3,114	0	
						1911
81,678	6,441	0	2,520	0	0	Jan.
109,917	8,440	29,679	2,276	0	0	Feb.
113,822	9,344	55,275	2,520	0	0	Mar.
168,683	9,042	0	2,439	438	0	April
184,964	9,344	0	2,520	617	0	May
189,083	7,322	0	2,439	740	0	June
186,082	5,230	0	2,520	865	0	July
182,697	3,610	0	2,520	793	0	Aug.
179,384	2,830	0	2,439	607	0	Sept.
176,338	3,140	0	2,520	458	0	Oct.
173,360	2,800	0	2,439	301	0	Nov.
170,620	2,870	11,071	2,520	0	0	Dec.
						Total or average
	70,413	96,025	29,672	4,819	0	
						1912
157,029	2,710	0	2,520	0	0	Jan.
154,506	2,230	0	2,358	0	0	Feb.
152,151	8,199	0	2,520	0	0	Mar.
164,332	8,515	0	2,439	420	0	April
170,958	8,828	0	2,520	575	0	May
169,935	4,990	0	2,439	686	0	June
166,810	3,060	0	2,520	799	0	July
163,491	1,960	0	2,520	734	0	Aug.
160,237	1,550	0	2,439	557	0	Sept.
157,241	1,830	0	2,520	420	0	Oct.
154,301	1,730	0	2,439	280	0	Nov.
151,582	1,760	0	2,520	0	0	Dec.
						Total or average
	47,362	0	29,754	4,471	0	

TABLE 17a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
FOR FLOOD CONTROL AND

Monthly Summary of Computa

(For orre ponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Height of dam, 383 feet. Capacity of reservoir, 180,000 acre-feet Constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram					
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1913							
Jan.	2,910	103,463	2,910	4,136	1,352	0	0
Feb.	13,200	97,975	4,753	24,767	1,222	0	0
Mar.	10,200	80,433	8,759	10,660	1,352	0	0
April	7,140	69,862	7,081	0	1,309	232	0
May	4,970	68,370	4,970	0	1,352	309	0
June	2,890	66,709	2,890	0	1,309	367	0
July	1,690	65,033	1,690	0	1,352	426	0
Aug.	1,070	63,255	1,070	0	1,352	391	0
Sept.	893	61,512	893	0	1,309	297	0
Oct.	910	59,906	910	0	1,352	224	0
Nov.	2,280	58,330	2,280	0	1,309	147	0
Dec.	2,170	56,874	2,170	0	1,352	0	0
Total or average	50,323		40,386	39,563	15,922	2,393	0
1914							
Jan.	61,400	55,522	6,271	47,159	1,352	0	0
Feb.	121,000	62,140	8,440	58,284	1,222	0	0
Mar.	48,000	115,194	9,344	52,388	1,352	0	0
April	21,400	100,110	9,042	0	1,309	305	0
May	10,900	110,854	9,344	0	1,352	428	0
June	9,580	110,630	8,585	0	1,309	530	0
July	5,570	115,786	5,570	0	1,352	631	0
Aug.	3,630	113,803	3,630	0	1,352	572	0
Sept.	2,730	111,879	2,730	0	1,309	436	0
Oct.	2,770	110,134	2,770	0	1,352	331	0
Nov.	2,440	108,451	2,440	0	1,309	220	0
Dec.	4,290	106,922	4,290	40,981	1,352	0	0
Total or average	299,710		72,456	198,812	15,922	3,453	0
1915							
Jan.	7,380	64,589	4,428	8,659	1,352	0	0
Feb.	30,200	57,530	8,412	20,577	1,222	0	0
Mar.	21,500	57,519	9,344	0	1,352	0	0
April	17,300	68,323	9,042	0	1,309	238	0
May	20,400	75,034	9,344	0	1,352	343	0
June	11,400	84,395	8,967	0	1,309	434	0
July	7,010	85,085	7,010	0	1,352	508	0
Aug.	3,980	83,225	3,980	0	1,352	464	0
Sept.	3,270	81,409	3,270	0	1,309	355	0
Oct.	2,770	79,745	2,770	0	1,352	268	0
Nov.	3,010	78,125	3,010	0	1,309	176	0
Dec.	3,580	76,640	3,580	0	1,352	0	0
Total or average	131,800		73,157	29,236	15,922	2,786	0
1916							
Jan.	148,000	75,288	8,759	70,558	1,352	0	0
Feb.	39,400	142,619	8,741	100,407	1,265	0	0
Mar.	34,800	71,606	9,344	4,679	1,352	0	0
April	19,900	91,031	9,042	0	1,309	288	0
May	10,400	100,292	9,130	0	1,352	399	0
June	5,830	99,811	5,830	0	1,309	476	0
July	4,770	98,026	4,770	0	1,352	555	0
Aug.	3,570	96,119	3,570	0	1,352	512	0
Sept.	2,810	94,255	2,810	0	1,309	391	0
Oct.	7,010	92,555	6,473	0	1,352	295	0
Nov.	4,130	91,445	4,130	0	1,309	196	0
Dec.	13,600	89,940	5,253	33,734	1,352	0	0
Total or average	294,220		77,852	209,378	15,965	3,112	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO SIZES OF RESERVOIR OPERATING
CONSTANT DRAFT ONLY.

tions Carried out on a Daily Basis.

mary, see Table 17, page 184.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

Height of dam, 425 feet. Capacity of reservoir, 240,000 acre-feet Constant draft of 41 second-feet maintained, other drafts only as required by reservoir operating diagram						Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (41 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
149,062	2,910	0	2,520	0	0	1913
146,542	4,753	16,941	2,276	0	0	Jan.
135,772	8,759	7,782	2,520	0	0	Feb.
126,911	7,091	0	2,439	345	0	Mar.
124,176	4,970	0	2,520	460	0	April
121,196	2,890	0	2,439	541	0	May
118,216	1,690	0	2,520	629	0	June
115,067	1,070	0	2,520	575	0	July
111,972	893	0	2,439	436	0	Aug.
109,097	910	0	2,520	327	0	Sept.
106,250	2,280	0	2,439	216	0	Oct.
103,595	2,170	0	2,520	0	0	Nov. Dec.
	40,386	24,723	29,672	3,529	0	Total or average
101,075	6,271	31,544	2,520	0	0	1914
122,140	8,440	57,228	2,276	0	0	Jan.
175,196	9,344	51,782	2,520	0	0	Feb.
159,550	9,042	0	2,439	424	0	Mar.
169,045	9,344	0	2,520	579	0	April
173,502	8,585	0	2,439	696	0	May
171,362	5,570	0	2,520	815	0	June
168,027	3,630	0	2,520	746	0	July
164,761	2,730	0	2,439	569	0	Aug.
161,753	2,770	0	2,520	430	0	Sept.
158,803	2,440	0	2,439	284	0	Oct.
156,080	4,290	28,967	2,520	0	0	Nov. Dec.
	72,456	169,521	29,672	4,543	0	Total or average
124,593	4,428	8,211	2,520	0	0	1915
116,814	8,412	19,214	2,276	0	0	Jan.
117,112	9,344	0	2,520	0	0	Feb.
126,748	9,042	0	2,439	353	0	Mar.
132,214	9,344	0	2,520	464	0	April
140,256	8,967	0	2,439	603	0	May
139,647	7,010	0	2,520	704	0	June
136,423	3,980	0	2,520	644	0	July
133,259	3,270	0	2,439	492	0	Aug.
130,328	2,770	0	2,520	369	0	Sept.
127,439	3,010	0	2,439	244	0	Oct.
124,756	3,580	0	2,520	0	0	Nov. Dec.
	73,157	27,425	29,672	3,903	0	Total or average
122,236	8,759	56,341	2,520	0	0	1916
202,616	8,741	99,326	2,358	0	0	Jan.
131,591	9,344	4,593	2,520	0	0	Feb.
149,934	9,042	0	2,439	399	0	Mar.
157,954	9,130	0	2,520	545	0	April
156,159	5,830	0	2,439	646	0	May
153,074	4,770	0	2,520	752	0	June
149,802	3,570	0	2,520	690	0	July
146,592	2,810	0	2,439	525	0	Aug.
143,628	6,473	0	2,520	395	0	Sept.
141,250	4,130	0	2,439	264	0	Oct.
138,547	5,253	21,173	2,520	0	0	Nov. Dec.
	77,852	181,433	29,754	4,216	0	Total or average

TABLE 17a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
FOR FLOOD CONTROL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Height of dam, 383 feet. Capacity of reservoir, 180,000 acre-feet Constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram					
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1917							
Jan.	9,280	63,201	8,172	13,501	1,352	0	0
Feb.	13,200	49,456	7,551	0	1,222	0	0
Mar.	13,600	53,883	9,344	0	1,352	0	0
April	10,500	56,787	9,042	0	1,309	208	0
May	8,610	56,728	8,531	0	1,352	276	0
June	5,270	55,179	5,270	0	1,309	327	0
July	3,140	53,543	3,140	0	1,352	379	0
Aug.	2,200	51,812	2,200	0	1,352	345	0
Sept.	1,510	50,115	1,510	0	1,309	262	0
Oct.	1,560	48,544	1,560	0	1,352	198	0
Nov.	1,840	46,994	1,840	0	1,309	127	0
Dec.	2,000	45,558	2,000	0	1,352	0	0
Total or average	72,710		60,160	13,501	15,922	2,122	0
1918							
Jan.	2,020	44,206	2,020	0	1,352	0	0
Feb.	9,330	42,854	3,847	0	1,222	0	0
Mar.	73,200	47,115	9,249	3,505	1,352	0	0
April	17,000	106,119	9,042	0	1,309	315	0
May	10,000	112,453	8,993	0	1,352	436	0
June	6,010	111,672	6,010	0	1,309	514	0
July	3,970	109,849	3,970	0	1,352	601	0
Aug.	2,840	107,896	2,840	0	1,352	551	0
Sept.	2,330	105,993	2,330	0	1,309	420	0
Oct.	2,930	104,264	2,930	0	1,352	319	0
Nov.	3,140	102,593	3,140	0	1,309	212	0
Dec.	4,370	101,072	4,370	27,459	1,352	0	0
Total or average	137,140		58,741	31,054	15,922	3,368	0
1919							
Jan.	3,300	72,261	3,300	0	1,352	0	0
Feb.	4,110	70,909	4,110	0	1,222	0	0
Mar.	6,110	69,087	6,110	0	1,352	0	0
April	6,010	68,335	6,010	0	1,309	230	0
May	3,810	66,796	3,810	0	1,352	305	0
June	1,890	65,139	1,890	0	1,309	361	0
July	1,320	63,469	1,320	0	1,352	420	0
Aug.	935	61,697	935	0	1,352	385	0
Sept.	1,010	59,960	1,010	0	1,309	293	0
Oct.	2,040	58,358	2,040	0	1,352	222	0
Nov.	2,130	56,784	2,130	0	1,309	143	0
Dec.	5,340	55,332	5,209	0	1,352	0	0
Total or average	38,005		37,874	0	15,922	2,359	0
1920							
Jan.	3,260	54,111	3,260	0	1,352	0	0
Feb.	12,700	52,759	5,854	0	1,265	0	0
Mar.	36,200	58,340	9,344	0	1,352	0	0
April	25,100	83,844	9,042	0	1,309	284	0
May	12,600	98,309	9,344	0	1,352	401	0
June	7,380	99,812	7,349	0	1,309	476	0
July	4,670	98,058	4,670	0	1,352	555	0
Aug.	3,200	96,151	3,200	0	1,352	512	0
Sept.	2,030	94,287	2,030	0	1,309	391	0
Oct.	2,000	92,587	2,000	0	1,352	295	0
Nov.	2,380	90,940	2,380	0	1,309	194	0
Dec.	2,210	89,437	2,210	16,619	1,352	0	0
Total or average	113,790		60,683	16,619	15,965	3,108	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO SIZES OF RESERVOIR OPERATING
CONSTANT DRAFT ONLY.

tions Carried out on a Daily Basis.

mary, see Table 17, page 184.)

Maximum flood control reserve 131,000 acre-feet.
feet passed for prior rights.

Height of dam, 425 feet. Capacity of reservoir, 240,000 acre-feet Constant draft of 41 second-feet maintained, other drafts only as required by reservoir operating diagram						Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (41 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
123,201	8,172	12,270	2,520	0	0	1917
109,519	7,551	0	2,276	0	0	Jan.
112,892	9,344	0	2,520	0	0	Feb.
114,628	9,042	0	2,439	325	0	Mar.
113,322	8,531	0	2,520	432	0	April
110,449	5,270	0	2,439	508	0	May
107,502	3,140	0	2,520	589	0	June
104,393	2,200	0	2,520	539	0	July
101,334	1,510	0	2,439	408	0	Aug.
98,487	1,560	0	2,520	305	0	Sept.
95,662	1,840	0	2,439	202	0	Oct.
93,021	2,000	0	2,520	0	0	Nov.
						Dec.
	60,160	12,270	29,672	3,308	0	Total or average
90,501	2,020	0	2,520	0	0	1918
87,981	3,847	0	2,276	0	0	Jan.
91,188	9,249	0	2,520	0	0	Feb.
152,619	9,042	0	2,439	403	0	Mar.
157,735	8,993	0	2,520	543	0	April
155,679	6,010	0	2,439	644	0	May
152,596	3,970	0	2,520	752	0	June
149,324	2,840	0	2,520	688	0	July
146,116	2,330	0	2,439	525	0	Aug.
143,152	2,930	0	2,520	395	0	Sept.
140,237	3,140	0	2,439	262	0	Oct.
137,536	4,370	2,982	2,520	0	0	Nov.
						Dec.
	58,741	2,982	29,672	4,212	0	Total or average
132,034	3,300	0	2,520	0	0	1919
129,514	4,110	0	2,276	0	0	Jan.
127,238	6,110	0	2,520	0	0	Feb.
124,718	6,010	0	2,439	341	0	Mar.
121,938	3,810	0	2,520	454	0	April
118,964	1,890	0	2,439	533	0	May
115,992	1,320	0	2,520	621	0	June
112,851	935	0	2,520	567	0	July
109,764	1,010	0	2,439	430	0	Aug.
106,895	2,040	0	2,520	323	0	Sept.
104,052	2,130	0	2,439	212	0	Oct.
101,401	5,209	0	2,520	0	0	Nov.
						Dec.
	37,874	0	29,672	3,481	0	Total or average
99,012	3,260	0	2,520	0	0	1920
96,492	5,854	0	2,358	0	0	Jan.
100,980	9,344	0	2,520	0	0	Feb.
125,316	9,042	0	2,439	361	0	Mar.
138,574	9,344	0	2,520	500	0	April
138,810	7,349	0	2,439	595	0	May
135,807	4,670	0	2,520	690	0	June
132,597	3,200	0	2,520	633	0	July
129,444	2,030	0	2,439	480	0	Aug.
126,525	2,000	0	2,520	363	0	Sept.
123,642	2,380	0	2,439	238	0	Oct.
120,965	2,210	0	2,520	0	0	Nov.
						Dec.
	60,683	0	29,754	3,860	0	Total or average

TABLE 17a (Continued). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
FOR FLOOD CONTROL AND

Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Height of dam, 383 feet. Capacity of reservoir, 189,000 acre-feet Constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram					
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1921							
Jan.	5,160	71,466	4,405	18,459	1,352	0	0
Feb.	4,490	52,410	4,490	0	1,222	0	0
Mar.	15,400	51,188	7,288	0	1,352	0	0
April	6,070	57,948	6,070	0	1,309	206	0
May	15,700	56,433	6,835	0	1,352	282	0
June	8,980	63,664	7,920	0	1,309	361	0
July	3,830	63,054	3,830	0	1,352	418	0
Aug.	2,450	61,284	2,450	0	1,352	383	0
Sept.	1,840	59,549	1,840	0	1,309	293	0
Oct.	2,040	57,947	2,040	0	1,352	220	0
Nov.	1,800	56,375	1,800	0	1,309	143	0
Dec.	119,000	54,923	5,045	41,740	1,352	0	0
Total or average	186,760		54,013	60,199	15,922	2,306	0
1922							
Jan.	62,100	125,786	9,344	107,332	1,352	0	0
Feb.	88,900	69,858	8,440	83,316	1,222	0	0
Mar.	47,800	65,780	9,344	2,882	1,352	0	0
April	31,400	100,002	9,042	0	1,309	317	0
May	24,700	120,734	9,344	0	1,352	474	0
June	14,400	134,264	9,042	0	1,309	591	0
July	9,100	137,722	8,576	0	1,352	700	0
Aug.	5,080	136,194	5,080	0	1,352	646	0
Sept.	3,290	134,196	3,290	0	1,309	496	0
Oct.	3,110	132,391	3,110	0	1,352	375	0
Nov.	5,310	130,664	4,519	25,655	1,309	242	0
Dec.	21,500	104,249	8,456	52,740	1,352	0	0
Total or average	316,690		87,587	271,925	15,922	3,841	0
1923							
Jan.	7,130	63,201	6,968	12,056	1,352	0	0
Feb.	7,830	49,955	7,791	0	1,222	0	0
Mar.	7,320	48,772	7,320	0	1,352	0	0
April	8,330	47,420	8,079	0	1,309	182	0
May	5,480	46,180	5,480	0	1,352	244	0
June	3,700	44,584	3,700	0	1,309	288	0
July	2,420	42,987	2,420	0	1,352	331	0
Aug.	1,990	41,304	1,990	0	1,352	299	0
Sept.	1,750	39,653	1,750	0	1,309	232	0
Oct.	1,710	38,112	1,710	0	1,352	171	0
Nov.	1,960	36,589	1,960	0	1,309	111	0
Dec.	2,130	35,169	2,130	0	1,352	0	0
Total or average	51,750		51,298	12,056	15,922	1,858	0
1924							
Jan.	2,170	33,817	2,170	0	1,352	0	0
Feb.	1,790	32,465	1,790	0	1,265	0	0
Mar.	4,130	31,200	3,714	0	1,352	0	0
April	6,190	30,264	6,190	0	1,309	141	0
May	3,650	28,814	3,650	0	1,352	186	0
June	1,660	27,276	1,660	0	1,309	214	0
July	1,000	25,753	1,000	0	1,352	248	0
Aug.	756	24,153	756	0	1,352	222	0
Sept.	744	22,579	744	0	1,309	167	0
Oct.	873	21,103	873	0	1,352	123	0
Nov.	1,190	19,628	1,190	0	1,309	79	0
Dec.	1,780	18,240	1,780	0	1,352	0	0
Total or average	25,933		25,517	0	15,965	1,380	0

RESERVOIR ON SAN GABRIEL RIVER.

TWO SIZES OF RESERVOIR OPERATING
CONSTANT DRAFT ONLY.

tions Carried out on a Daily Basis.

mary, see Table 17, page 184.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

Height of dam, 425 feet. Capacity of reservoir, 240,000 acre-feet Constant draft of 41 second-feet maintained, other drafts only as required by reservoir operating diagram						Year and month
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (41 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	
118,445	4,405	4,431	2,520	0	0	1921
112,249	4,490	0	2,276	0	0	Jan.
109,973	7,288	0	2,520	0	0	Feb.
115,565	6,070	0	2,439	325	0	Mar.
112,801	6,835	0	2,520	436	0	April
118,710	7,920	0	2,439	533	0	May
116,798	3,830	0	2,520	623	0	June
113,655	2,450	0	2,520	569	0	July
110,566	1,840	0	2,439	432	0	Aug.
107,695	2,040	0	2,520	325	0	Sept.
104,850	1,800	0	2,439	214	0	Oct.
102,197	5,045	31,012	2,520	0	0	Nov.
						Dec.
	54,013	35,443	29,672	3,457	0	Total or average
182,620	9,344	105,595	2,520	0	0	1922
127,261	8,440	79,666	2,276	0	0	Jan.
125,779	9,344	2,562	2,520	0	0	Feb.
159,153	9,042	0	2,439	424	0	Mar.
178,648	9,344	0	2,520	611	0	April
190,873	9,042	0	2,439	752	0	May
193,040	8,576	0	2,520	894	0	June
190,150	5,080	0	2,520	815	0	July
186,815	3,290	0	2,439	623	0	Aug.
183,753	3,110	0	2,520	470	0	Sept.
180,763	4,519	14,559	2,439	307	0	Oct.
164,249	8,456	51,572	2,520	0	0	Nov.
						Dec.
	87,587	253,954	29,672	4,896	0	Total or average
123,201	6,968	10,928	2,520	0	0	1923
109,915	7,791	0	2,276	0	0	Jan.
107,678	7,320	0	2,520	0	0	Feb.
105,158	8,079	0	2,439	305	0	Mar.
102,665	5,480	0	2,520	403	0	April
99,742	3,700	0	2,439	474	0	May
96,829	2,420	0	2,520	549	0	June
93,760	1,990	0	2,520	500	0	July
90,740	1,750	0	2,439	379	0	Aug.
87,922	1,710	0	2,520	288	0	Sept.
85,114	1,960	0	2,439	186	0	Oct.
82,489	2,130	0	2,520	0	0	Nov.
						Dec.
	51,298	10,928	29,672	3,084	0	Total or average
79,969	2,170	0	2,520	0	0	1924
77,449	1,790	0	2,358	0	0	Jan.
75,091	3,714	0	2,520	0	0	Feb.
72,987	6,190	0	2,439	238	0	Mar.
70,310	3,650	0	2,520	315	0	April
67,475	1,660	0	2,439	369	0	May
64,667	1,000	0	2,520	426	0	June
61,721	756	0	2,520	385	0	July
58,816	744	0	2,439	290	0	Aug.
56,087	873	0	2,520	214	0	Sept.
53,353	1,190	0	2,439	139	0	Oct.
50,775	1,780	0	2,520	0	0	Nov.
						Dec.
	25,517	0	29,754	2,376	0	Total or average

TABLE 17a (Concluded). SAN GABRIEL

COMPARISON OF WATER YIELD FOR
FOR FLOOD CONTROL AND
Monthly Summary of Computa

(For corresponding yearly sum

Maximum controlled flow at Azusa 1,900 second-feet.

Natural flow up to 152 second-

Year and month	Run-off at Azusa in acre-feet	Height of dam, 383 feet. Capacity of reservoir, 180,000 acre-feet Constant draft of 22 second-feet maintained, other drafts only as required by reservoir operating diagram					
		Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second-feet in acre-feet	Constant draft from over-year storage (22 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet
1925							
Jan.	1,710	16,888	1,710	0	1,352	0	0
Feb.	1,620	15,536	1,620	0	1,222	0	0
Mar.	2,510	14,314	2,423	0	1,352	0	0
April	7,200	13,049	5,765	0	1,309	89	0
May	3,050	13,086	3,050	0	1,352	105	0
June	1,840	11,629	1,840	0	1,309	131	0
July	824	10,189	824	0	1,352	141	0
Aug.	621	8,696	621	0	1,352	117	0
Sept.	492	7,227	492	0	1,309	81	0
Oct.	873	5,837	873	0	1,352	52	0
Nov.	1,010	4,433	1,010	0	1,309	28	0
Dec.	1,650	3,096	1,650	0	1,352	0	0
Total or average	23,400		21,878	0	15,922	744	0
1926							
Jan.	1,540	1,744	1,540	0	1,352	0	0
Feb.	7,940	392	5,485	0	1,222	0	0
Mar.	3,650	1,625	3,650	0	1,352	0	0
April	60,000	273	8,233	0	1,309	159	0
May	13,000	59,572	9,142	0	1,352	293	0
June	5,500	61,785	5,500	0	1,309	349	0
July	3,120	60,127	3,120	0	1,352	408	0
Aug.	2,070	58,367	2,070	0	1,352	373	0
Sept.	1,580	56,642	1,580	0	1,309	284	0
Oct.		55,049					
Nov.							
Dec.							
Total or average	107,400		40,320	0	11,909	1,866	0
Total for period, Jan. 1, 1897, to Oct. 1, 1926	3,731,977		1,513,303	*1,672,152	473,905	76,867	3,351
Average for period, Jan. 1, 1897, to Oct. 1, 1926	125,445		50,867	*56,207	15,930	2,584	113

* These figures contain 7601 acre-feet total or an average of 256 acre-feet per season of water contributed from outside the exact period of analysis. In the computations from which this table is prepared, the water in storage is less by this amount than on January 1, 1897, the beginning of the period. Since in the computations this water was released as flood control water during the first flood season of the period, the exact yield of flood control water for the period is less than here shown by this amount.

RESERVOIR ON SAN GABRIEL RIVER.

TWO SIZES OF RESERVOIR OPERATING
CONSTANT DRAFT ONLY.

tions Carried out on a Daily Basis.

mary, see Table 17, page 184.)

Maximum flood control reserve 131,000 acre-feet.

feet passed for prior rights.

Height of dam, 425 feet. Capacity of reservoir, 240,000 acre-feet Constant draft of 41 second-feet maintained, other drafts only as required by reservoir operating diagram						
Stage of reservoir at beginning of month in acre-feet	Passed by dam for prior rights in acre-feet	Flood control water passing Azusa during flood season at rates less than 1,900 second- feet in acre-feet	Constant draft from over-year storage (41 second-feet) in acre-feet	Evaporation from reservoir surface in acre-feet	Waste over spillway in acre-feet	Year and month
48,255	1,710	0	2,520	0	0	1925
45,735	1,620	0	2,276	0	0	Jan.
43,459	2,423	0	2,520	0	0	Feb.
41,026	5,765	0	2,439	171	0	Mar.
39,851	3,050	0	2,520	222	0	April
37,109	1,840	0	2,439	254	0	May
34,416	824	0	2,520	288	0	June
31,608	621	0	2,520	256	0	July
28,832	492	0	2,439	188	0	Aug.
26,205	873	0	2,520	137	0	Sept.
23,548	1,010	0	2,439	85	0	Oct.
21,024	1,650	0	2,520	0	0	Nov.
						Dec.
	21,878	0	29,672	1,601	0	Total or average
18,504	1,540	0	2,520	0	0	1923
15,984	5,485	0	2,276	0	0	Jan.
16,163	3,650	0	2,520	0	0	Feb.
13,643	8,233	0	2,439	196	0	Mar.
71,775	9,142	0	2,520	325	0	April
72,788	5,500	0	2,439	385	0	May
69,964	3,120	0	2,520	442	0	June
67,002	2,070	0	2,520	403	0	July
64,079	1,580	0	2,439	303	0	Aug.
61,337						Sept.
						Oct.
						Nov.
						Dec.
	40,320	0	22,193	2,054	0	Total or average
	1,513,303	^b 1,297,000	^b 883,173	99,814	0	Total for period, Jan. 1, 1897, to Oct. 1, 1926
	50,867	^b 43,597	^b 29,686	3,355	0	Average for period, June 1, 1897, to Oct. 1, 1926

^b These figures contain 61,313 acre-feet total or an average of 2060 acre-feet per season of water contributed from outside the exact period of analysis. In the computations from which this table is prepared the water in storage on October 1, 1926, the end of the period, is less by this amount than on January 1, 1897, the beginning of the period. A supplementary analysis, having the same amount of water in storage at the beginning and at the end of the period was made to obtain the exact yield for the period. This gave 47,900 and 23,300 acre-feet per season respectively for the flood control water and uniformly continuous flow instead of 43,597 and 29,686 acre-feet respectively that are shown herein.



**PUBLICATIONS OF THE DEPARTMENT OF PUBLIC WORKS.
DIVISION OF ENGINEERING AND IRRIGATION.**

- Bulletin No. 1—California Irrigation District Laws, 1921 (Obsolete).
*Bulletin No. 2—Formation of Irrigation Districts, Issuance of Bonds by Irrigation Districts, Expenditure of Construction Funds, etc.
Bulletin No. 3—Water Resources of Tulare County and their Utilization, 1922.
Bulletin No. 4—Water Resources of California.
Bulletin No. 5—Flow in California Streams.
Bulletin No. 6—Irrigation Requirements of California Lands.
Bulletin No. 7—California Irrigation District Laws, 1923 (Obsolete).
*Bulletin No. 8—Cost of Water to Irrigators in California.
Bulletin No. 9—Supplemental Report on Water Resources of California.
Bulletin No. 10—California Irrigation District Laws, 1925 (Obsolete).
Bulletin No. 11—Ground Water Resources of the Southern San Joaquin Valley.
Bulletin No. 12—Summary Report on the Water Resources of California and a Coordinated Plan for Their Development.
Bulletin No. 13—The Development of the Upper Sacramento River.
Bulletin No. 14—The Control of Floods by Reservoirs.
Bulletin No. 18—California Irrigation District Laws, 1927.
Biennial Report of the Division of Engineering and Irrigation, 1920-1922.
Biennial Report of the Division of Engineering and Irrigation, 1922-1924.
Biennial Report of the Division of Engineering and Irrigation, 1924-1926.

Note: Bulletins Nos. 4, 5, 6, 9, 11, 12, 13 and 14 of The Division of Engineering and Irrigation covers the investigations of The Water Resources of California.

PUBLICATIONS OF THE STATE DEPARTMENT OF ENGINEERING.

- *Bulletin No. 1—Progress Report of Cooperative Irrigation Investigations in California, 1912-1914.
*Bulletin No. 2—Irrigation Districts in California, 1887-1915 (†).
Bulletin No. 3—Investigations of the Economic Duty of Water for Alfalfa in Sacramento Valley, California, 1915.
*Bulletin No. 4—Preliminary Report on Conservation and Control of Flood Water in Coachella Valley, California, 1917 (II).
*Bulletin No. 5—Report on the Utilization of Mojave River for Irrigation in Victor Valley, California, 1918 (v).
Bulletin No. 6—California Irrigation District Laws, 1919 (Obsolete).
Bulletin No. 7—Use of Water from Kings River, California, 1918.
*Bulletin No. 8—Flood Problems of the Calaveras River, 1919.
Bulletin No. 9—Water Resources of the Kern River and Adjacent Streams and Their Utilization, 1920.
*First Biennial Report, 1907-1908, Department of Engineering.
*Second Biennial Report, 1908-1910, Department of Engineering.
*Third Biennial Report, 1910-1912, Department of Engineering.
*Fourth Biennial Report, 1912-1914, Department of Engineering.
*Fifth Biennial Report, 1914-1916, Department of Engineering.
*Sixth Biennial Report, 1916-1918, Department of Engineering.
*Seventh Biennial Report, 1918-1920, Department of Engineering.

COOPERATIVE AND MISCELLANEOUS REPORTS.

- *Report of the Conservation Commission of the State of California to the Governor and Legislature of California, 1912.
*Irrigation Resources of California and their Utilization (Bul. 254, Office Exp. Sta., U. S. D. A.) 1913.
*Report—State Water Problems Conference, November 25, 1916.
*Report on Pit River Basin, April, 1915.
*Report on Lower Pit River Project, July, 1915.
*Report on Iron Canyon Project, 1914.
*Report on Iron Canyon Project, California, May, 1920.
(†) Reprinted in 5th Biennial Report. (Out of print.)
(II) Reprinted in 5th Biennial Report. (Out of print.)
(v) Reprinted in 6th Biennial Report. (Out of print.)

*Reports and Bulletins out of print, may be borrowed by your local library from the California State Library at Sacramento, California.

