

3-460

UNITED STATES
DEPARTMENT OF THE INTERIOR
Walter J. Hickel, Secretary

BUREAU OF RECLAMATION
Floyd E. Dominy, Commissioner

REGION 3
A. B. West, Regional Director

COMPILATION OF RECORDS IN
ACCORDANCE WITH ARTICLE V OF THE
DECREE OF THE SUPREME COURT OF
THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964
CALENDAR YEAR 1968

Division of Water and Land Operations
Boulder City, Nevada

June 16, 1969

RECORDS OF RELEASES OF WATER THROUGH REGULATORY
STRUCTURES IN ACCORDANCE WITH ARTICLE V(A) OF THE
DECREE OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

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CALENDAR YEAR 1968

The enclosed tabulations for Calendar Year 1968 show final records of releases of water through regulatory structures controlled by the United States. At Hoover, Davis, Parker, and Imperial Dams the records are furnished by the Geological Survey based on measurements at or below the structures.

The record of riverflow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversion for Colorado River Indian Reservation, near Parker, Arizona." The diversions are made at Headgate Rock Dam.

The record of riverflow through Palo Verde Diversion Dam was computed using the record of flow at the gaging station "Colorado River below Palo Verde Diversion Dam, Arizona-California," and deducting from it the record of flow from the Palo Verde Levee Drain and the Colorado River Indian Reservation Lower Main Drain which enter the river between the dam and gaging station.

The record of flow past Laguna Dam was computed by adjusting the record of flow through Imperial Dam by storage changes in the reservoir above Laguna Dam.

RELEASE OF WATER THROUGH REGULATORY STRUCTURES
CONTROLLED BY THE UNITED STATES

VIA)

CALENDAR YEAR 1968

Final Records
(ACRE - FEET)

Structure	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Hoover Dam	395,800	495,600	850,000	883,300	852,700	752,100	757,100	692,700	663,300	486,200	456,700	552,600	7,831,000
Davis Dam	438,400	557,200	816,000	860,000	786,800	879,500	868,000	835,600	697,200	508,700	413,000	432,200	8,093,000
Parker Dam	350,500	450,500	679,900	699,500	625,900	722,300	779,400	725,300	582,500	404,300	309,300	312,300	6,642,000
Headgate Rock Dam ^{1/}	334,800	420,600	628,100	655,900	578,000	666,000	716,000	660,500	535,800	377,100	287,700	292,500	6,153,000
Palo Verde Diversion Dam ^{2/}	303,100	358,700	546,000	578,400	501,700	555,800	593,000	555,000	454,000	346,700	246,400	258,900	5,295,000
Imperial Dam	15,430	14,270	20,060	24,380	18,170	20,760	37,070	25,110	17,800	19,920	24,430	49,800	267,200
Laguna Dam ^{3/}	15,030	14,160	19,760	25,220	16,620	21,060	37,920	24,720	17,980	19,740	25,070	49,740	267,000

^{1/} Colorado River below Parker Dam less diversions at Headgate Rock Dam.
^{2/} Colorado River below Palo Verde Diversion Dam less returns by the Palo Verde Levee Drain and the Colorado River Indian Reservation Lower Main Drain below Palo Verde Diversion Dam.
^{3/} Colorado River below Imperial Dam adjusted by storage change in the reservoir above Laguna Dam.

RECORDS OF DIVERSIONS, RETURN FLOWS, AND CONSUMPTIVE USE
IN ACCORDANCE WITH ARTICLE V(B) OF THE DECREE OF THE SUPREME
COURT OF THE UNITED STATES IN ARIZONA v. CALIFORNIA

DATED MARCH 9, 1964

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CALENDAR YEAR 1968

The enclosed tabulations for Calendar Year 1968, show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream and consumptive use of such water by water user agencies which have contracts with the United States. The records were furnished by U. S. Geological Survey, International Boundary and Water Commission, Bureau of Indian Affairs, Bureau of Reclamation, National Park Service, Bureau of Sport Fisheries and Wildlife, and water user agencies. Diversions to All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user based on deliveries to each user at its turnout from the canal and a prorated amount of the conveyance loss from the canal. The loss proration was based on the quantity delivered to each user and the length of the canal through which it was carried.

The tables also show estimates of water use by water users other than those which have contracts with the United States. Records of quantities of water pumped by permittees under the Lower Colorado River Land Use Program and by others are incomplete or not available. Consequently, estimates of pumpage from the mainstream, from both the river and the underground, are shown for each state. Pumping from the underground was considered from only those wells located in the flood plain of the Colorado River between the toes of the slopes on either side of the valley. Supplemental sheets are enclosed which show the estimates of

water pumped by each diverter between Davis Dam and the International Boundary. The estimate of diversion by pumping during 1968 was made by two basic methods: 1) for most electric pumps diversion was computed on a monthly basis from power records and a "kwh per acre-foot factor" that was determined by discharge measurements; 2) for pumps other than electric, a factor of 6 acre-feet per irrigated acre per year was used. Inventories of irrigated acres were determined both by field inventory maintained throughout the year and from aerial photographs which were taken June 26, 1968.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968

(B)

STATE OF ARIZONA

Sheet 1 of 3
Final Records
(ACRE - FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Lake Mead National Recreation Area	Diversion	8	9	12	21	21	26	31	30	29	28	19	13	247
(Diversion from Lake Mohave)	Return	-	-	-	-	-	-	-	-	-	-	-	-	1
	Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	-
Havasu Nat National Wildlife Refuge	Diversion													2
Inlet - NW1/4NW1/4, Sec. 33, T.9N, R23E, S8M	Diversion													154
1 well NE1/4NE1/4, Sec. 15, T.8N, R23E, S8M	Return													2
	Consumptive Use													-
														100,760
														- 1,270
														164
														42,653
														57,751
														25
Town of Parker	Diversion	21	22	32	41	61	79	79	84	77	49	34		604
1 well NW1/4NW1/4, Sec. 7, T9N, R19W, G&SRM	Return													1
1 well SW1/4SW1/4, Sec. 1, T9N, R20W, G&SRM	Consumptive Use													-
Colorado River Indian Reservation	Diversion	15,630	29,900	51,840	43,530	47,880	56,270	63,380	64,760	46,700	27,150	21,620	19,800	488,570
(Diversion at Headgate Rock Dam)	Return	3	3	3	3	3	4	4	4	3	3	3	3	39
(Pumped from wells at Parker)	Consumptive Use													-
2 wells SW1/4NE1/4SE1/4, Sec. 2, T9N, R20W, G&SRM	Diversion	0	0	1	1	1	1	1	1	0	0	0	0	6
(Pumped from well at Valley Field Office)	Return													-
1 well NW1/4NE1/4NW1/4, Sec. 1, T8N, R21W, G&SRM	Consumptive Use													-
(Pumped from wells at Poston)	Diversion	1	2	2	2	2	2	2	2	2	2	2	1	22
4 wells NW1/4, Sec. 36, T8N, R21W, G&SRM	Return			100	109	114	168	209	115	67	71	25	59	1,037
1 Pump NW1/4SW1/4, Sec. 14, T4N, R22W, G&SRM	Consumptive Use	2,014	16,955	31,336	22,205	26,580	33,665	36,516	35,142	18,542	3,346	3,520	2,493	232,314
13,620	Return													
12,950	Consumptive Use													
20,610														
21,440														
21,420														
22,780														
27,080														
29,740														
28,230														
23,990														
18,130														
17,370														
257,360														
232,314														
Imperial National Wildlife Refuge	Diversion													3/ 82
1 well NW1/4NW1/4, Sec. 13, T5S, R22W, G&SRM	Return													3/ 79
1 well SW1/4NE1/4SW1/4, Sec. 13, T5S, R22W, G&SRM	Consumptive Use													1/
Yuma Proving Ground, US Army	Diversion	3	0	1	2	0	1	2	1	1	2	0	0	13
(Diversion at Imperial Dam)	Return													1/
	Consumptive Use													-
North Gila Valley Irrigation District	Diversion	3,383	4,392	4,496	4,948	6,391	6,562	6,129	4,472	3,723	4,281	3,961	2,920	55,658
(Diversion at Imperial Dam)	Return	1,069	913	1,034	1,225	1,301	1,317	1,827	1,248	1,146	1,200	1,340	1,045	14,665
	Consumptive Use	2,314	3,479	3,462	3,723	5,090	5,245	4,302	3,224	2,577	3,081	2,621	1,875	40,993
Wellton-Mohawk Irrigation and Drainage District	Diversion	18,438	26,602	44,032	52,598	54,424	59,167	53,650	48,265	46,028	31,238	18,490	18,564	471,196
(Diversion at Imperial Dam)	Return	18,630	15,020	18,420	16,960	17,150	16,630	18,050	17,620	17,100	18,190	17,850	18,730	210,350
	Consumptive Use	- 192	11,582	25,612	35,338	37,274	42,537	35,600	30,645	28,928	13,048	640	- 166	460,846

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 11/10/68
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DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
 AND CONSUMPTIVE USE OF SUCH WATER
 CALENDAR YEAR 1968
 STATE OF ARIZONA

(8)

Sheet 2 of 3
 Final Records
 (ACRE - FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOT'L'S
Yuma Irrigation District (Diversion at Imperial Dam)	Diversion	2,207	2,721	4,173	5,222	5,764	4,804	3,188	3,685	4,488	4,204	3,090	2,614	46,160
	Return	-	-	-	-	-	-	-	-	-	-	-	-	4/
	Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	
Yuma Mesa Irrigation and Drainage District (Diversion at Imperial Dam)	Diversion	10,872	11,535	17,340	22,519	28,995	30,875	32,050	30,919	26,605	18,518	12,653	12,171	5/255,052
	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
	Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	
Unit "B" Irrigation and Drainage District (Diversion at Imperial Dam)	Diversion	2,393	1,712	2,497	3,156	4,424	4,319	4,800	4,802	4,247	3,190	1,985	1,851	6/ 39,376
	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
	Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	
Returns from South Gila Valley	Returns 4/	7,130	6,885	7,874	7,776	818	4,894	8,505	9,225	4,441	2,644	2,703	3,691	66,586
City of Yuma (Diversion at Imperial Dam)	Diversion	479	509	624	754	278	1,108	1,037	1,311	1,140	817	681	507	9,245
	Return	8	7	16	14	22	36	61	52	66	88	78	20	468
	Consumptive Use	471	502	608	740	256	1,072	976	1,259	1,074	729	603	487	8,777
Yuma County Water User's Association (Diversion at Imperial Dam) (Pumped from wells)	Diversion	15,588	26,157	27,419	27,878	31,751	34,716	33,064	31,599	25,594	21,105	18,896	12,181	7/305,948
	Return	897	736	795	810	994	985	947	925	1,070	990	926	1,056	11,131
	Return 8/	10,380	11,060	12,320	11,760	12,190	11,370	10,580	10,950	10,440	11,660	10,660	10,530	133,900
	Consumptive Use	6,105	15,833	15,894	16,928	20,555	24,331	23,431	21,574	16,224	10,435	9,162	2,707	183,179
Cocopah Indian Reservation (Diversion at Imperial Dam) (Pumped from wells)	Diversion	11	330	314	187	102	35	33	25	30	97	20	20	1,204
	Diversion	1	9	9	6	3	1	1	1	1	5	1	2	40
	Return	-	-	-	-	-	-	-	-	-	-	-	-	8/
	Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	
Other Users pumping from Colorado River and wells from flood plain Davis Dam to International Boundary 9/	Diversion	3,286	6,220	7,585	10,156	10,189	10,849	10,941	10,207	9,583	6,914	4,590	4,659	95,179
	Return	-	-	-	-	-	-	-	-	-	-	-	-	
	Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	
ARIZONA TOTALS	Diversion	73,221	110,859	161,275	171,643	191,397	209,972	209,548	201,208	169,388	118,774	86,996	76,446	1,781,252
	Return	50,837	46,835	60,274	59,175	52,901	57,027	66,103	68,835	61,423	57,772	50,761	51,366	683,329
	Consumptive Use	22,384	64,024	101,001	112,468	138,496	152,945	143,445	132,373	107,965	62,002	36,235	25,060	1,097,398

116,924
 1,870,922 See 71
 727,332
 1,155,540

1169 046/112705

DIVERSIONS FROM MAINSTREAM -- AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF ARIZONA

(B)

Sheet 3 of 3
Final Records
(ACRE - FEET)

JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER TOTALS

NOTE: The term "Consumptive Use" in this tabulation means measured diversion less measured return to river.

- 1/ No surface returns.
- 2/ Final records of diversions and returns are not yet available.
At publication time, page and measurement records and computations were being reviewed.
Final records for 1967 and 1968 will be reported in the 1969 issue of this report.
- 3/ Monthly distribution not available.
- 4/ Pumped from underground and unassigned to districts as returns include quantities of drainage from Yuma Mesa as well as from South Gila Valley.
- 5/ Includes deliveries to the following water users who have contracts with the United States:

<u>Contractor</u>	<u>Point of Delivery</u>	<u>Annual Total</u>
City of Yuma	B 3.7 Lateral	38
Desert Lawn Memorial Park Association	B 3.7 Lateral	114
Southern Pacific Company	B 3.7 Lateral	11
Southern Pacific Company	After bay of Yuma Mesa Pumping Plant	48
Ritz Distributing Company	B 3.7 Lateral	10
Yuma Mesa Fruit Grower's Association	B 3.7 W Lateral	9
County of Yuma, Arizona	B 3.6 Lateral	23
Marine Corps Air Station Department of Navy	B Canal and B-5.5 W Lateral	1,572
Total		1,825

- 6/ Includes deliveries to the following water users who have contracts with the United States:

University of Arizona	B Main Canal	654
Camille Allec, Jr.	B-8 Lateral	95
Total		749

- 7/ Includes deliveries to the following water user who has a contract with the United States:

Yuma Union High School District	Yuma Main Canal	200
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- 8/ Returns include unknown quantities of drainage returns from Yuma Mesa Irrigation and Drainage District, as well as from Yuma County Water User's Association and Cocopah Indian Reservation.

- 9/ Details on Arizona Supplemental Sheets 1 - 7.

4 Units Irr. & Dr. Dist.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF ARIZONA

V(8)
Supplemental Sheet 1 of 7
Other users pumping from
Colorado River and wells
in flood plain

(ACRE FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Monchagen, Peter J. 1 Well NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.19 N., R.22 W., G & SRM	Diversion	0	0	16	10	24	24	32	34	26	5	5	2	2/ 178
Research Investment Opportunities 1 Well NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.26, T.19 N., R.22 W., G & SRM	Diversion	6	22	48	58	86	72	125	147	182	136	70	16	2/ 968
Strobell, H. L., and Son 1 Well NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.18 N., R.22 W., G & SRM	Diversion	0	1	63	10	10	20	14	1	0	0	0	0	2/ 119
Farrish, Eldon 1 Well SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.18 N., R.22 W., G & SRM	Diversion	0	0	0	103	58	91	102	88	126	1	0	0	2/ 569
Granite Reef Farms, Inc. 1 Well NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.18 N., R.22 W., G & SRM	Diversion	0	62	33	45	37	74	63	79	94	66	24	32	2/ 609
Hancock, Joe 1 Well NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.18 N., R.22 W., G & SRM	Diversion	3	477	197	227	2	9	427	51	66	48	70	16	2/ 1,593
McKellips, Gordon 1 Well SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.27, T.18 N., R.22 W., G & SRM	Diversion	226	12	108	101	195	272	284	150	50	331	96	21	2/ 1,846
McKellips, Gordon 1 Well SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.18 N., R.22 W., G & SRM	Diversion	0	8	26	43	28	33	37	22	37	6	16	2	2/ 258
Sinclair, W. D. 1 Well NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.18 N., R.22 W., G & SRM	Diversion	0	0	0	32	13	11	23	21	14	9	5	1	2/ 129
Sinclair, W. D. 1 Well NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.18 N., R.22 W., G & SRM	Diversion													210
Farley, Glenn E. 1 Well NW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.18 N., R.22 W., G & SRM	Diversion	5	5	4	7	10	4	9	10	10	9	1	8	2/ 82
Fields, Leonar 1 Well SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.35, T.18 N., R.22 W., G & SRM	Diversion	0	0	0	0	0	1	1	0	1	3	7	2	2/ 15

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF ARIZONA

(18)
Supplemental Sheet 2 of 7
Other users pumping from
Colorado River and wells
in flood plain

(ACRE FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	1/TOTALS
McBride, R. B.	Diversion	1	2	2	2	4	5	5	4	4	2	0	2	2/ 33
1 Well NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.18 N., R.22 W., G & SRM														
Farrish, Eldon	Diversion	0	0	0	0	0	0	0	0	0	0	27	61	2/ 88
1 Well SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.7, T.17 N., R.21 W., G & SRM														
Farrish, Eldon	Diversion	37	33	35	56	72	106	116	58	82	63	78	13	2/ 749
1 Well NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.17 N., R.21 W., G & SRM														
Farrish, Eldon	Diversion	30	33	39	62	86	108	110	70	84	12	94	29	2/ 757
1 Well SW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.7, T.17 N., R.21 W., G & SRM														
Farrish, Eldon	Diversion	82	136	216	398	334	422	426	293	302	146	19	80	2/ 2,854
1 Well SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.17 N., R.22 W., G & SRM														
Farrish, Eldon	Diversion	93	129	162	288	185	250	320	212	263	116	15	53	2/ 2,086
1 Well SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.17 N., R.22 W., G & SRM														
Farrish, Eldon	Diversion	16	59	157	262	61	269	243	250	265	74	74	2	2/ 1,732
1 Well NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.17 N., R.22 W., G & SRM														
Vanderslice, John	Diversion	0	47	33	62	33	60	84	63	88	32	0	0	2/ 502
1 Well NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.17 N., R.22 W., G & SRM														
Gerber, John	Diversion	22	0	10	13	23	58	35	45	14	0	0	0	2/ 220
1 Well NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.17 N., R.22 W., G & SRM														
Gerber, John	Diversion													1,290
1 Pump SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.17 N., R.22 W., G & SRM														
Clayton Farms	Diversion	0	166	786	327	566	617	631	630	748	401	142	3	2/ 5,017
2 Pumps SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.4 N., R.22 W., G & SRM														
Clayton Farms	Diversion	0	0	60	0	0	16	27	12	0	3	0	0	2/ 118
1 Well SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.4 N., R.22 W., G & SRM														

*Divers to
Parrish*

16,857 ac

7A-162

2/1/68

*H.L.M. via
(opposite Needles)*

*DAN'S
10311
Parker
Dum*

17074

DIVERIONS FROM MAINSTREAM -- AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF ARIZONA

V(B)
Supplemental Sheet 3 of 7
Other users pumping from
Colorado River and well
in flood plain

(ACRE FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Barrett, F. Wayne	Diversion													2,640
2 Pumps SE $\frac{1}{4}$ N $\frac{1}{2}$ SE $\frac{1}{4}$ sec.16, T.3 N., R.22 W., G & SRM														
VanHorn, George	Diversion													960
1 Pump SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.3 N., R.22 W., G & SRM														
Sprall, Wayne	Diversion													1,350
1 Pump SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.1 N., R.23 W., G & SRM														
Sprall, Wayne	Diversion													1,320
1 Well NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.1 N., R.23 W., G & SRM														
Cibola Valley Irrigation and Drainage District	Diversion	194	1,046	965	2,459	2,112	1,071	1,575	2,311	2,462	1,607	382	1,836	2/18,020
3 Pumps SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.1 N., R.23 W., G & SRM														
Beaver	Diversion													2,160
1 Pump SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.2, T.1 N., R.24 W., G & SRM														
Arnett, Howard	Diversion													2,760
1 Pump NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.2 S., R.24 W., G & SRM														
Arnett, Howard	Diversion													2,820
1 Pump NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.2 S., R.23 W., G & SRM														
Subtotals-Davis Dam to Imperial Dam	Diversions	715	2,238	2,960	4,565	3,939	8,593	4,689	4,551	4,918	3,070	1,125	2,179	3/ 36,542
	Diversions	604	1,021	1,482	1,476	1,558	1,721	1,874	1,879	1,504	888	813	690	4/ 15,510
														54,052
Pratt, Loren	Diversion													450
1 Well SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.7 S., R.22 W., G & SRM														
1 Pump SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.14, T.7 S., R.22 W., G & SRM														

*Four hour
+ 1 imp.
= 3716.5*

43741

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF ARIZONA

V(B)
Supplemental Sheet 4 of 7
Other users pumping from
Colorado River and wells
in flood plain

(ACRE FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Tudor, Tom 1 Well SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.8, T.8 S., R.22 W., G & SRM	Diversion													1,104
Crowe, James 1 Well SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.7, T.8 S., R.22 W., G & SRM	Diversion	58	43	101	91	64	45	70	131	138	0	0	0	2/741
Fletcher and Moenk 1 Well SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18; T.8 S., R.22 W., G & SRM	Diversion	25	89	115	334	437	522	247	196	408	249	320	169	2/3,111
Fletcher and Moenk 1 Well SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.8 S., R.22 W., G & SRM 1 Pump SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.8 S., R.23 W., G & SRM	Diversion													912
Pratt, Frank 1 Well SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.19, T.8 S., R.22 W., G & SRM	Diversion	146	81	159	201	250	333	193	211	135	170	163	155	2/2,197
Pratt, Frank 1 Well SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.24, T.8 S., R.23 W., G & SRM	Diversion	12	37	9	45	11	49	108	98	27	0	0	0	1/396
Gunther and Shirley 1 Well NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.8 S., R.23 W., G & SRM	Diversion	19	151	68	202	63	0	0	0	8	79	136	74	2/800
Gunther and Shirley 1 Well NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.8 S., R.23 W., G & SRM	Diversion	69	64	95	123	121	205	0	0	0	0	0	32	2/709
Gunther and Shirley 1 Well NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.8 S., R.23 W., G & SRM	Diversion	4	0	2	0	0	1	1	3	1	1	1	11	2/25
Gunther and Shirley 1 Well SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.8 S., R.23 W., G & SRM	Diversion	114	29	43	71	68	56	58	63	70	0	0	46	2/618
Gunther and Shirley 1 Well NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.8 S., R.23 W., G & SRM	Diversion	75	116	139	100	82	166	198	198	155	92	33	100	2/1,454

DIVERIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF ARIZONA

(B)
Supplemental Sheet 6 of 7
Other users pumping from
Colorado River and wells
in flood plain

(ACRE FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	1/ TOTALS
Yucca Power Plant 2 Wells NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.16 S., R.21 E., SEM NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.36, T.16 S., R.21 E., SEM	Diversion													2/1,024
Jessen and Crowe 1 Well SW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.8 S., R.24 W., G & SRM	Diversion													150
Cannon, J. O. 1 Well NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.9 S., R.25 W., G & SRM	Diversion													780
McCarty, E. G. 1 Well SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.9 S., R.24 W., G & SRM	Diversion	69	81	97	199	222	296	271	250	205	2.5	152	54	2/2,111
McCarty, E. G. 1 Well NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.9 S., R.24 W., G & SRM	Diversion	49	58	68	146	163	217	186	184	151	161	114	44	2/1,541
McCarty, E. G. 1 Well NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.9 S., R.24 W., G & SRM	Diversion	51	60	69	146	162	215	193	179	124	0	3	0	2/1,202
McDaniel and Son 1 Well NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.9 S., R.25 W., G & SRM	Diversion	304	254	264	342	377	418	267	266	267	544	357	257	2/3,917
Sibley, Phil 1 Well NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.10 S., R.25 W., G & SRM	Diversion	126	140	221	248	419	547	391	125	62	187	168	228	2/2,862
Jeffers, Floyd 1 Well NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.10 S., R.25 W., G & SRM	Diversion													1,134
Sibley, Phil 1 Well SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.14, T.10 S., R.25 W., G & SRM	Diversion	0	80	16	85	89	127	100	121	0	0	93	39	2/750
Daniel, A. T. 1 Pump SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.10 S., R.25 W., G & SRM	Diversion													360
Lee, James W. 1 Well NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.10 S., R.25 W., G & SRM	Diversion													816

N. B. 10/23 Dam

*Imp. to
N. B. 10/23
22263
25*

*14-76
14-76*

*14-76
14-76*

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF ARIZONA

(8)
Supplemental Sheet 7 of 7
Other users pumping from
Colorado River and wells
in flood plain

(ACRE FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
1A-5A	Hunter, J. C. 1 Pump NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.10 S., R.25 W., G & SRM													210
	Barkley, J. 1 Well NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.10 S., R.25 W., G & SRM													360
1A-6(A)	Brown, Willis A. 1 Well NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.11 S., R.25 W., G & SRM	41	73	89	113	184	181	148	0	1	38	179	0	2/1,047
1A-7(A)	Hughes, Earl 1 Well SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.11 S., R.25 W., G & SRM	21	364	142	175	255	64	252	116	73	0	10	52	1,524
	Subtotals - Imperial Dam to Boundary													
	Diversion	1,295	1,821	1,949	2,907	3,321	4,039	2,953	2,415	2,058	2,043	1,838	1,265	3/27,904
	Diversion	672	1,140	1,194	1,208	1,371	1,496	1,425	1,362	1,103	913	814	525	6/13,223 +1,127
	TOTAL - ARIZONA	3,286	6,220	7,585	10,156	10,189	10,849	10,941	10,207	9,583	6,914	4,590	4,659	95,179

N. B. Co.
to
Barkley
= 18764
et.

1/ Calculated by assuming an annual diversion of 6 acre-feet per irrigated acre unless otherwise noted.
2/ Calculated from monthly power records and power-discharge measurements where available, and where power-discharge measurements were not available calculated from average power-discharge rate.
3/ Total of items for which monthly distribution is shown.
4/ Total of items for which monthly distribution is not shown. Distributed according to monthly distribution of diversions of Colorado River Indian Reservation and Palo Verde Irrigation District.
5/ Record furnished by diverter.
6/ Total of items for which monthly distribution is not shown. Distributed according to monthly distribution of diversions to Valley Division of Yuma Project.

DIVERSIONS FROM MAINSTREAM -- AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF CALIFORNIA

(18)

Sheet 2 of 2
Final Records
(ACRE - FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Other Users Pumping from Colorado River and wells in flood plain	Diversion	1,661	3,090	3,757	4,104	4,629	4,677	4,141	5,598	4,001	2,936	2,230	2,600	43,424
Davis Dam to International Boundary ^{4/}	Return	-	-	-	-	-	-	-	-	-	-	-	-	-
	Consumptive Use	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA TOTALS	Diversion	312,133	373,688	489,499	524,013	544,198	559,638	550,994	559,900	517,854	442,612	361,912	347,746	5,584,206
	Return	28,791	30,927	41,087	43,420	46,479	46,001	48,740	51,935	49,925	45,868	39,399	39,101	511,673
	Consumptive Use	283,342	342,761	448,412	480,593	497,719	513,637	502,254	507,965	467,929	396,744	322,513	308,645	5,072,533

NOTE: The term "Consumptive Use" in this tabulation means measured diversion less measured return to the river.

^{1/} No surface returns.

^{2/} Returns unassigned, include unknown quantities of drainage from the Indian Unit and the Bard Unit in the Reservation Division, but exclude seepage from All-American Canal.

^{3/} Monthly distribution not available.

^{4/} Details on California Supplemental Sheets 1 - 6.

1969 20 = 4,896,527

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF CALIFORNIA

(B)
Supplemental Sheet 1 of 6
Other users pumping from
Colorado River and wells
in flood plain

(ACRE FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Williams and Vanderslice 2 Wells SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.11 N., R.22 E., SEM	Diversion													1,080
Williams and Vanderslice 1 Well SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.11 N., R.21 E., SEM	Diversion													720
Soto, Amelia 1 Well NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.11 N., R.21 E., SEM	Diversion													558
Southern California Gas Company 2 Wells SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T.9 N., R.23 E., SEM	Diversion													2/ 226
P. G. & E. Compressor Station 1 Well (diversion in Arizona) NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.15 N., R.21 W., G & SRM	Diversion													2/ 84
E. B. R. & N. Investment Company 1 Well NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.1 S., R.24 E., SEM	Diversion	18	27	22	26	52	37	68	67	77	47	2	0	3/ 443
E. B. R. & N. Investment Company 1 Well SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.10, T.1 S., R.24 E., SEM	Diversion	0	0	0	0	0	0	0	19	43	27	0	0	3/ 89
E. B. R. & N. Investment Company 1 Well SW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.1 S., R.24 E., SEM	Diversion													4
E. B. R. & N. Investment Company 1 Well SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.9, T.1 S., R.24 E., SEM	Diversion	6	9	3	19	13	28	26	51	106	66	0	0	3/ 327
Daneral Mesa Ranch 1 Well NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.1 S., R.24 E., SEM 1 Well NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.1 S., R.24 E., SEM 1 Well NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.10, T.1 S., R.24 E., SEM 1 Well NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.1 S., R.24 E., SEM 1 Well NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.1 S., R.24 E., SEM	Diversion	205	251	246	306	404	277	333	251	222	212	236	286	3/ 3,229

*Davis
to Parker
- 26685*

Parker Dam

DIVERIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF CALIFORNIA

V(B)
Supplemental Sheet 3 of 6
Other users pumping from
Colorado River and wells
in flood plain

(ACRE - FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	1/TOTALS
Harlin, A. R. 1 Pump NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.5 S., R.24 E., SEM	Diversion	2	4	14	8	10	13	1	21	25	7	2	2	3/109
Harlin, A. R. 1 Pump NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.5 S., R.24 E., SEM	Diversion	45	42	79	8	1	110	50	155	129	118	48	79	3/864
Harlin, A. R. 1 Pump NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.5 S., R.24 E., SEM	Diversion	67	145	216	162	144	138	132	186	152	65	91	110	3/1,608
Harlin, A. R. 1 Pump NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.5 S., R.24 E., SEM	Diversion	166	8	110	117	90	94	40	235	117	61	52	105	3/1,198
Anderson, Carl 1 Pump SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.13, T.9 S., R.21 E., SEM	Diversion	91	0	17	2	0	15	28	16	62	2	33	30	3/ 296
Milpitas Cattle Company 1 Pump NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.23, T.10 S., R.21 E., SEM	Diversion													600
Milpitas Cattle Company 1 Pump SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.10 S., R.21 E., SEM	Diversion													131
Subtotals - Davis Dam to Imperial Dam	Diversion	810	1,416	1,813	1,535	1,840	1,909	1,574	2,945	1,985	1,200	960	1,280	4/ 19,267
	Diversion	153	258	375	374	394	436	475	476	381	225	206	175	2/ 3,928
	D	144	11	191	211	250	311	339	320	256	215	153	150	

*Partents
Imp. a
20,527.25*

DIVERSIONS FROM MAINSTREAM -- AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF CALIFORNIA

(18)
Supplemental Sheet 4 of 6
Other users pumping from
Colorado River and wells
in flood plain

(ACRE FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	<u>1</u> /TOTALS
Cole, D. C. 1 Well and 1 Pump NW $\frac{1}{4}$ NE $\frac{1}{4}$ CE $\frac{1}{4}$ sec.35, T.15 S., R.23 E., SEM	Diversion													516
O'Neal, W. H. 1 Well SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.15 S., R.23 E., SEM	Diversion													294
Berryman, Harley 1 Well SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.16 S., R.23 E., SEM	Diversion	7	22	48	43	93	48	12	36	0	10	7	83	3/ 409
O'Neal, W. H. 1 Pump SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.2, T.16 S., R.23 E., SEM	Diversion													52
Power, Pete 1 Pump NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.16 S., R.23 E., SEM 1 Pump SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.14, T.16 S., R.23 E., SEM	Diversion													1,992
Mitchell, Heyden 1 Well SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.16 S., R.23 E., SEM	Diversion	29	7	57	60	36	93	67	55	43	48	13	53	3/ 561
Slade 1 Well NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.6, T.8 S., R.22 W., G & SRM	Diversion													1,440
Dees, John F. 1 Well SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.6, T.8 S., R.22 W., G & SRM	Diversion													864
Spencer, M. E. 1 Well NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.9, T.16 S., R.23 E., SEM	Diversion	1	51	68	50	98	128	86	116	45	28	30	3	3/ 704
Coley, Marvin 1 Well SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.18, T.16 S., R.23 E., SEM	Diversion	0	76	40	69	126	0	0	0	0	0	0	115	3/ 426
Martin, Marvin 1 Well NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.1, T.8 S., R.23 W., G & SRM	Diversion	0	0	15	53	53	5	15	24	63	107	97	68	3/ 500

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF CALIFORNIA

V(B)
Supplemental Sheet 5 of 6
Other users pumping from
Colorado River and wells
in flood plain

(ACRE FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	<u>1/TOTALS</u>
Martin, Marvin 1 Well NE ¹ / ₄ NE ¹ / ₄ NW ¹ / ₄ sec.1, T.8 S., R.23 W., G & SRM	Diversion	0	0	77	118	195	123	91	68	132	136	127	32	3/ 1,099
Harp, Robert 1 Well SE ¹ / ₄ SW ¹ / ₄ NE ¹ / ₄ sec.2, T.8 S., R.23 W., G & SRM	Diversion	0	32	32	40	59	16	21	54	72	86	21	48	3/ 481
Harp, Robert 1 Well NE ¹ / ₄ SE ¹ / ₄ SE ¹ / ₄ sec.2, T.8 S., R.23 W., G & SRM	Diversion	2	48	106	209	108	58	132	239	309	186	58	70	3/1,525
Harp, Robert 1 Well NE ¹ / ₄ NE ¹ / ₄ NW ¹ / ₄ sec.12, T.8 S., R.23 W., G & SRM	Diversion													120
Easterday, Anne 1 Well SW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄ sec.1, T.8 S., R.23 W., G & SRM	Diversion													720
Dees, John F. 1 Well SE ¹ / ₄ NE ¹ / ₄ SE ¹ / ₄ sec.1, T.8 S., R.23 W., G & SRM	Diversion													720
Harp, Robert 1 Well SE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ sec.12, T.8 S., R.23 W., G & SRM	Diversion													948
Harp, Paul 1 Well SE ¹ / ₄ NE ¹ / ₄ SE ¹ / ₄ sec.12, T.8 S., R.23 W., G & SRM	Diversion													720
Harp, Earl 1 Well SE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ sec.13, T.8 S., R.23 W., G & SRM	Diversion													1,080
Easterday, Kenneth 1 Well NW ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄ sec.12, T.8 S., R.23 W., G & SRM	Diversion	2	52	41	173	210	350	148	118	0	81	0	87	3/1,262
Power, Pete 1 Well NE ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄ sec.11, T.8 S., R.23 W., G & SRM	Diversion													1,104
Hughes, Earl 1 Well NE ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄ sec.19, T.16 S., R.23 E., SRM	Diversion	1	58	59	73	97	2	111	112	50	5	4	40	3/ 612

DIVERIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF CALIFORNIA

(B)
Supplemental Sheet 6 of 6
Other users pumping from
Colorado River and wells
in flood plain

(ACRE FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	<u>1/</u> TOTALS
Hutchenson, John 1 Pump SE ¹ / ₄ SE ¹ / ₄ SE ¹ / ₄ sec.27, T.16 S., R.22 E., SEM	Diversion													160
Layton, Chris 1 Pump SW ¹ / ₄ NE ¹ / ₄ SE ¹ / ₄ sec.29, T.16 S., R.22 E., SEM	Diversion	85	38	2	187	129	107	130	107	13	82	45	92	<u>3/</u> 1,017
Breech, Joe 1 Pump SW ¹ / ₄ SW ¹ / ₄ NW ¹ / ₄ sec.29, T.16 S., R.22 E., SEM	Diversion	0	73	53	97	58	145	78	82	0	0	0	0	<u>3/</u> 586
Lewis, Joe 1 Well NW ¹ / ₄ NW ¹ / ₄ NW ¹ / ₄ sec.29, T.16 S., R.22 E., SEM	Diversion	25	32	0	41	18	41	43	59	11	0	0	27	<u>3/</u> 297
Subtotals - Imperial Dam to Boundary	Diversion	152	489	598	1,213	1,280	1,116	934	1,070	738	769	402	718 ^{4/}	9,479
	Diversion	546	927	971	982	1,115	1,216	1,158	1,107	897	742	662	427 ^{5/}	10,750
TOTAL - CALIFORNIA	Diversion	1,661	3,090	3,757	4,104	4,629	4,677	4,141	5,598	4,001	2,936	2,230	2,600	43,424

- 1/ Calculated by assuming an annual diversion of 6 acre-feet per irrigated acre unless otherwise noted.
2/ Record furnished by diverter.
3/ Calculated from monthly power records and power-discharge measurements where available, and where power-discharge measurements were not available calculated from average power discharge rate.
4/ Total of items for which monthly distribution is shown.
5/ Total of items for which monthly distribution is not shown. Distributed according to monthly distribution of diversions of Colorado River Indian Reservation and Palo Verde Irrigation District.
6/ Total of items for which monthly distribution is not shown. Distributed according to monthly distribution of diversions to Valley Division of Yuma Project.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1968
STATE OF NEVADA

(18)

Sheet 2 of 2
Final Records
(ACRE-FEET)

Water User	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
NEVADA TOTALS													33,614
	Diversion Return Consumptive Use												

NOTE: The term "Consumptive Use" in this tabulation means measured diversion less measured return to the river.

- 1/ No surface returns.
- 2/ Diversions too small to tabulate monthly - not included in subtotal.
- 3/ Portions of return flow in Las Vegas Wash attributable to Basic Management Inc., and to Las Vegas Valley Water District are not assigned.
- 4/ Delivered through the facilities of Basic Management Inc., and metered at Rooster Pump No. 2.
- 5/ Reported annually.

1969 C.U. = 37,392 af.

RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME AND QUANTITY OF SUCH
WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY
OR DIVERTED BY OTHERS IN ACCORDANCE WITH ARTICLE V(C) OF THE
DECREE OF THE SUPREME COURT OF THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

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CALENDAR YEAR 1968

The enclosed tabulations for Calendar Year 1968 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights.

Water ordered but not diverted was analyzed daily for each diverter as the positive difference between the finally approved daily order and the mean daily delivery requested on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily positive quantities. Final approval of daily orders was given in advance of the delivery date by the amount of travel time involved in conveying the water from the storage point to the diversion point on the main stream.

Deliveries of water to Mexico in satisfaction of the Mexican Treaty were scheduled based on Mexico's daily orders. Releases from storage were scheduled in sufficient quantities which, when added to return flows, would meet Mexico's daily orders. Deliveries of water to Mexico in satisfaction of the Treaty, therefore, were considered to have been made entirely from releases from storage and from return flows scheduled for that purpose and not from water ordered but not diverted by other Colorado River water users. Therefore, the tabulations show no "water ordered but not diverted" as being delivered to Mexico in satisfaction of the Treaty.

The daily quantities of "water ordered but not diverted" were considered for all diverters each day and, to the extent possible, this water was delivered to others in satisfaction of their rights. The quantities of such deliveries are shown on the tabulation.

To date, no orders are received for diversions from the Colorado River in Nevada so no sheet is included for Nevada. Diversions from Lake Mead for use in Nevada are not large enough at the present time to be of significance in scheduling daily operations.

RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME

(C)

AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS

CALENDAR YEAR 1968

STATE OF ARIZONA

Final Records
(ACRE - FEET)

Water User		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Colorado River Indian Reservation (Diversion at Headgate Rock Dam)	Ordered but not Diverted	109	32	480	540	488	101	93	224	778	617	238	101	3,801
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	14	30	139	165	188	55	73	20	240	157	137	53	1,271
Yuma Proving Ground, U.S. Army 1/ (Diversion at Imperial Dam)	Ordered but not Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	0	0	0	0	0	0	0	0	0	0	0	0	0
North Gila Valley Irrigation District (Diversion at Imperial Dam)	Ordered but not Diverted	563	505	845	311	617	986	555	775	531	736	857	325	7,606
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	168	63	123	234	198	633	147	355	418	367	149	65	2,920
Wellton-Mohawk Irrigation and Drainage District (Diversion at Imperial Dam)	Ordered but not Diverted	972	942	1,634	1,275	761	1,896	4,895	4,564	783	2,184	799	1,067	21,772
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	190	387	292	851	698	1,559	988	2,311	632	1,553	323	504	10,288
Yuma Irrigation District (Diversion at Imperial Dam)	Ordered but not Diverted	117	137	282	151	43	194	246	460	255	547	276	216	2,924
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	48	4	68	105	10	93	50	198	208	220	70	46	1,120
Yuma Mesa Irrigation and Drainage District (Diversion at Imperial Dam)	Ordered but not Diverted	1,006	831	809	1,371	736	956	1,537	1,662	1,345	1,853	1,444	1,855	15,405
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	504	284	81	746	458	547	119	754	966	883	244	774	6,360
"Unit B" Irrigation and Drainage District (Diversion at Imperial Dam)	Ordered but not Diverted	123	327	289	121	89	270	165	212	299	373	188	290	2,746
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	46	47	40	34	77	147	8	172	172	252	20	20	1,035
City of Yuma (Diversion at Imperial Dam)	Ordered but Diverted	0	76	27	0	661	214	258	0	15	124	160	113	1,648
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	0	49	13	0	309	80	131	0	12	58	80	78	810
Yuma County Water Users' Association (Diversion at Imperial Dam)	Ordered but not Diverted	2,023	2,291	1,684	2,135	866	1,508	2,156	1,663	1,422	2,754	3,395	3,374	25,271
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	1,169	1,466	837	1,691	404	564	1,092	676	1,100	1,284	1,694	2,337	14,314
Cocopah Indian Reservation (Diversion at Imperial Dam)	Ordered but not Diverted	2	25	15	11	2	2	2	1	1	10	3	4	78
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	1	16	7	9	1	1	1	0	1	5	1	3	46
ARIZONA TOTALS	Ordered but not Diverted	4,915	5,166	6,065	5,915	4,263	6,127	9,907	9,561	5,429	9,198	7,360	7,345	81,251
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	2,140	2,346	1,600	3,835	2,343	3,679	2,609	4,486	3,749	4,779	2,718	3,880	38,164

1/ No orders received

RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS

(VIC)

BUT NOT DIVERTED BY PARTY ORDERING SAME

AND

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS

CALENDAR YEAR 1968

STATE OF CALIFORNIA

Final Records
(ACRE - FEET)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Metropolitan Water District (Diversion from Lake Havasu)	Ordered but not Diverted	0	522	0	1,334	0	0	1,878	0	749	1,563	2,582	521	9,149
	Delivered to Mexico 1/	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others 1/	0	0	0	0	0	0	0	0	0	0	0	0	0
Palo Verde Irrigation District (Diversion of Palo Verde Diversion Dam)	Ordered but not Diverted	914	549	2,577	1,117	2,174	1,194	3,957	2,787	2,761	1,813	1,315	1,111	22,269
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	73	26	117	151	139	268	607	415	36	50	24	300	2,206
Yuma Project Reservation Division Bard Unit (Diversion at Imperial Dam)	Ordered but not Diverted	245	79	257	522	671	388	891	830	332	78	467	232	4,992
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	145	62	193	516	330	315	444	582	184	25	286	101	3,183
Yuma Project Reservation Division Indian Unit (Diversion at Imperial Dam)	Ordered but not Diverted	279	108	165	410	497	328	773	971	565	150	933	401	5,580
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	165	85	124	406	245	266	385	681	312	48	571	175	3,463
Imperial Irrigation District (Diversion at Imperial Dam)	Ordered but not Diverted	0	0	6,510	0	0	0	13,940	0	0	0	0	0	20,450
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	0	0	278	0	0	0	26	0	0	0	0	0	304
Coachella Valley County Water District (Diversion at Imperial Dam)	Ordered but not Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA TOTALS	Ordered but not Diverted	1,438	1,258	9,509	3,383	3,342	1,910	21,439	4,588	4,407	3,604	5,297	2,265	62,440
	Delivered to Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	383	173	712	1,073	714	849	1,462	1,678	532	123	881	576	9,156

1/ All water "Ordered but not Diverted" remained in Lake Havasu storage.

RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944,
AND WATER PASSING TO MEXICO IN EXCESS OF TREATY
REQUIREMENTS IN ACCORDANCE WITH ARTICLE V(D) OF THE
DECREE OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

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CALENDAR YEAR 1968

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
 AND
 WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
 CALENDAR YEAR 1968.

V(D)

Final Records
 (ACRE - FEET)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Deliveries to Mexico in Satisfaction of Treaty	129,713	90,799	186,463	210,784	92,285	124,038	186,463	180,788	96,915	55,370	53,585	92,797	1,500,000
Passing to Mexico in Excess of Treaty requirements	1,996	7,803	419	82	150	223	7,834	186	268	18,803	18,449	6,524	62,737

RECORDS OF DIVERSIONS OF WATER FROM THE MAINSTREAM OF THE
GILA AND SAN FRANCISCO RIVERS AND THE CONSUMPTIVE USE OF
SUCH WATER, FOR THE BENEFIT OF THE GILA NATIONAL FOREST IN
ACCORDANCE WITH ARTICLE V(E) OF THE DECREE OF THE SUPREME
COURT OF THE UNITED STATES IN ARIZONA v. CALIFORNIA

DATED MARCH 9, 1964

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CALENDAR YEAR 1968

DIVERIONS OF WATER FROM MAINSTREAM OF GILA AND SAN FRANCISCO RIVERS
AND
CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST
CALENDAR YEAR 1968

V(E)

(ACRE - FEET)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Gila River													
Diversion													1/ 813
Consumptive Use													2/ 813 ✓
San Francisco River													
Diversion													1/ 1,100 92
Consumptive Use													2/ 1,100 72

Note: The term "Consumptive Use" in this tabulation means measured diversion less measured return to the river.

- 1/ Records of monthly distribution not available.
- 2/ No surface returns.