

UNITED STATES
DEPARTMENT OF THE INTERIOR
James G. Watt, Secretary

BUREAU OF RECLAMATION
Robert N. Broadbent, Commissioner

LOWER COLORADO REGION
N. W. Plummer, 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

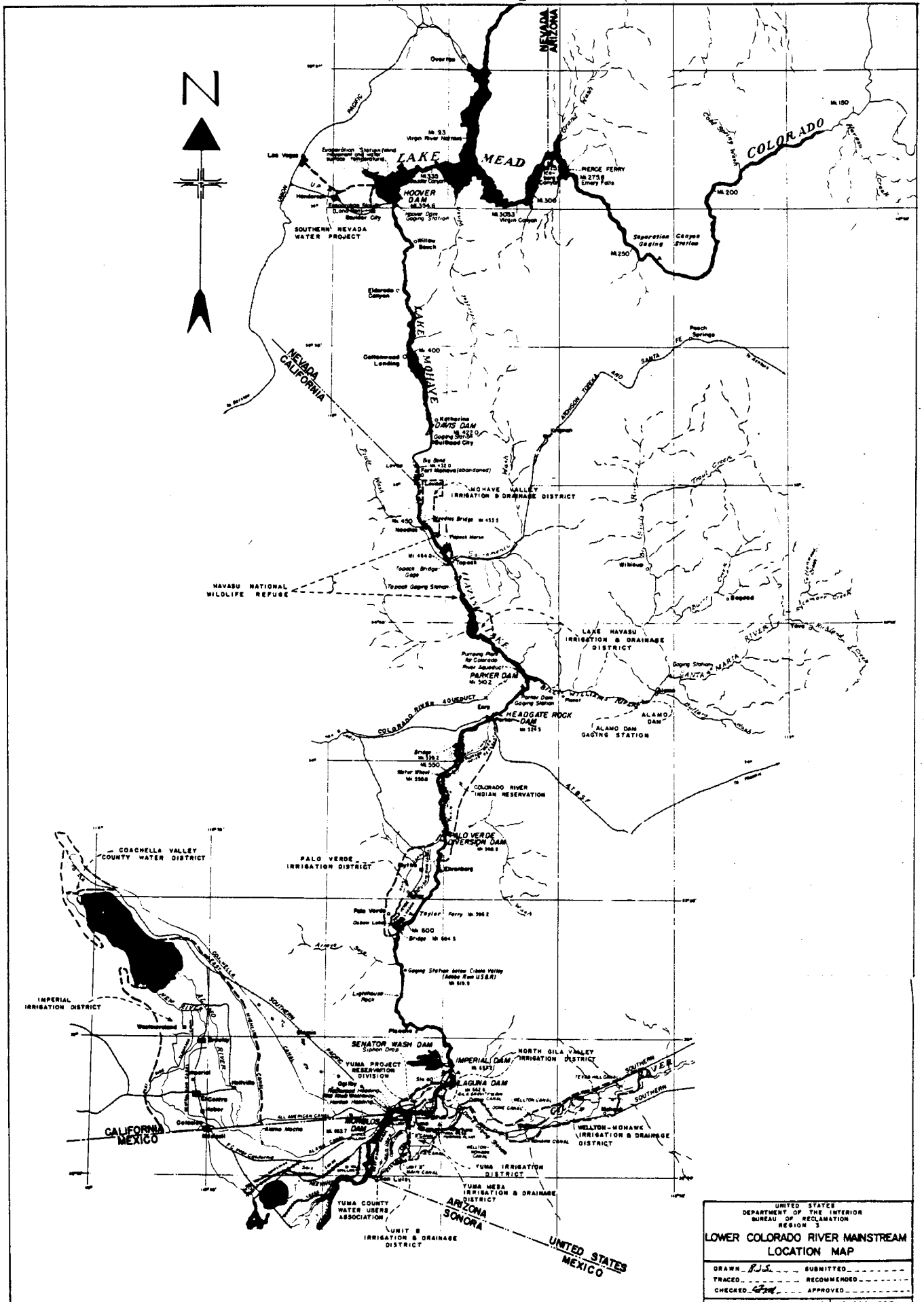
CALENDAR YEAR 1980

Division of Water and Land Operations
Boulder City, Nevada

December 10, 1981

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UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 REGION 3
**LOWER COLORADO RIVER MAINSTREAM
 LOCATION MAP**

DRAWN *R.J.S.* SUBMITTED _____
 TRACED _____ RECOMMENDED _____
 CHECKED *R.J.S.* APPROVED _____

BOULDER CITY, NEV. 9-20-71 | 423-300-957

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

CALENDAR YEAR 1980

The following tabulations for calendar year 1980 show final records of releases of water through regulatory structures controlled by the United States. At Hoover, Davis, Parker, Palo Verde, Imperial, and Laguna 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 "Divisions for Colorado River Indian Reservation near Parker, Arizona." The diversions are made at Headgate Rock Dam.

RELEASE OF WATER THROUGH REGULATORY STRUCTURES
 CONTROLLED BY THE UNITED STATES

(A)

CALENDAR YEAR 1980

(ACRE - FEET)

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Hoover Dam	471,500	267,800	929,600	1,129,000	1,260,000	1,057,000	1,190,000	1,194,000	879,000	986,900	836,800	885,200	11,090,000
Davis Dam	360,000	346,000	982,000	1,246,000	1,052,000	1,239,000	1,220,000	1,230,000	997,700	930,700	847,900	799,000	11,250,000
Parker Dam	304,100	386,500	1,056,000	1,121,000	964,000	1,145,000	1,247,000	1,164,000	981,600	879,300	760,100	714,700	10,720,000
Headgate Rock Dam <u>1/</u>	300,700	369,900	1,010,000	1,051,000	911,800	1,071,000	1,155,000	1,078,000	911,900	840,900	739,200	688,900	10,130,000
Palo Verde Dam <u>2/</u>	274,900	310,700	855,100	906,300	769,000	901,200	972,500	913,000	798,800	752,700	678,000	624,300	8,756,000
Imperial Dam <u>3/</u>	23,460	24,200	62,950	101,800	82,930	97,380	130,000	92,240	82,780	80,530	102,200	143,300	1,024,000
Laguna Dam	24,320	26,310	61,500	99,730	83,180	96,020	126,800	96,760	83,900	82,060	108,400	143,400	1,032,000

1/ Colorado River below Parker Dam less diversions at Headgate Rock Dam.

2/ Measured through gates at Palo Verde Dam.

3/ Includes diversion to Mittry Lake.

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

CALENDAR YEAR 1980

The following tabulations for calendar year 1980 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 the Geological Survey, International Boundary and Water Commission, Bureau of Indian Affairs, Bureau of Reclamation, National Park Service, Fish and Wildlife Service, 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 1980 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 measurement; (2) For pumps other than electric, a factor of 6 acre-feet per irrigated acre per year was used. Irrigated acres were determined by field inventory during the year made with the aid of aerial photographs and orthophotomaps which were taken during May - August 1976.

There are undetermined amounts of unmeasured return flow reaching the Colorado River by means of underground flow from aquifers underlying water user areas. A Task Force on Ground-Water Return Flows to the Lower Colorado River, consisting of State and Federal members, was organized during 1970 to provide advice and guidance to the Bureau of Reclamation and the Geological Survey which are jointly conducting a program to determine the location and amounts of such unmeasured return flows. These studies to determine unmeasured return flows are continuing, and when quantities are determined such amounts are anticipated to be credited to the affected users and States in making the consumptive use computations.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980
STATE OF ARIZONA

(B)

(ACRE - FEET) Sheet 3 of 4

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
North Gila Valley Irrigation District Diversion at Imperial Dam	Diversion	2,087	2,717	3,043	4,242	3,116	3,585	4,924	4,523	4,213	4,359	4,051	2,195	43,055
	Return	510	429	419	638	665	648	953	975	927	1,146	1,135	947	9,392
	Consumptive Use	1,577	2,288	2,624	3,604	2,451	2,937	3,971	3,548	3,286	3,213	2,916	1,248	33,663
Warren Act Contractors Diversion at Imperial Dam	Diversion	21	22	261	41	43	46	23	34	145	177	0	0	813
	Return													1/
	Consumptive Use													
Wellton-Mohawk Irrigation and Drainage District Diversion at Imperial Dam	Diversion	9,933	22,843	27,510	31,922	28,775	35,300	47,054	45,119	34,588	21,397	19,207	17,518	341,166
	Return	17,643	15,092	15,947	16,362	16,967	16,005	14,785	16,382	14,989	16,638	15,249	16,616	192,695
	Consumptive Use	-7,710	7,751	11,563	15,560	11,768	19,295	32,269	28,737	19,599	4,759	3,958	902	148,471
Yuma Irrigation District Diversion at Imperial Dam Pumped from private wells	Diversion	3,319	4,036	5,101	6,431	5,503	5,896	8,573	7,747	5,629	3,678	3,781	3,045	62,739
	Return	677	653	765	1,179	1,148	1,432	2,298	1,604	1,761	867	744	726	13,854
	Consumptive Use													1/
Yuma Mesa Irrigation and Drainage District Diversion at Imperial Dam	Diversion	9,998	7,443	15,397	20,671	24,028	27,454	32,986	31,196	22,510	16,924	13,642	8,101	230,350
	Return													5/
	Consumptive Use													1/
Unit "B" Irrigation and Drainage District Diversion at Imperial Dam	Diversion	1,621	1,084	2,418	3,168	3,282	3,893	4,837	4,664	3,622	3,060	1,961	1,912	35,522
	Return													6/
	Consumptive Use													1/
Returns from South Gila Valley	Return	5,119	6,156	6,281	5,860	6,190	5,866	6,236	6,136	5,447	5,135	4,401	4,415	67,242
City of Yuma Diversion at Imperial	Diversion	760	739	917	1,155	1,271	1,388	1,645	1,695	1,443	1,319	862	967	14,161
	Return	545	505	520	417	440	427	431	436	442	441	411	440	5,455
	Consumptive Use	215	234	397	738	831	961	1,214	1,259	1,001	878	451	527	8,706
Yuma County Water Users Association Diversion at Imperial Dam Pumped from wells	Diversion	17,019	16,887	25,603	31,264	25,113	33,333	39,453	34,256	25,096	19,323	12,414	13,106	292,887
	Return	739	592	657	591	714	562	706	657	778	800	606	608	8,010
	Return	6,869	6,346	8,052	8,558	9,051	9,172	9,290	9,858	8,862	8,796	8,662	7,877	101,392
	Consumptive Use	10,889	11,133	18,208	23,317	16,776	24,723	30,869	25,055	17,012	11,328	4,358	5,837	199,505

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980
STATE OF ARIZONA

(B)

(ACRE - FEET) Sheet 4 of 4

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Cocopah Indian Reservation Diversion at Imperial Dam Pumped from wells	Diversion	7	0	183	20	157	93	200	193	73	20	86	188	1,220
	Diversion	0	0	5	0	5	2	4	4	2	1	4	9	36
	Return													
	Consumptive Use													1/
Projected and Regulatory Pumping Unit	Return	0	0	0	7	668	968	176	0	0	0	0	0	1,819 8/
Yuma Mesa Outlet Drain	Return	2,430	1,678	2,087	1,954	1,573	1,337	1,164	1,553	1,896	1,740	1,894	2,118	21,424 8/
Other Users pumping from Colorado River and wells in flood plain Davis Dam to International Boundary	Diversion 9/	3,421	3,704	3,985	7,300	6,928	6,573	8,109	9,063	7,302	6,043	3,492	2,686	68,606
Arizona Totals	Diversion	56,818	81,324	143,117	191,020	164,664	207,947	258,549	245,014	189,525	123,467	86,041	80,491	1,828,314 12/
	Return	45,498	41,830	50,996	57,294	59,816	58,911	60,595	64,838	60,865	58,690	50,156	49,168	658,657
	Consumptive Use	11,320	39,494	92,121	133,726	104,848	149,036	197,954	180,176	128,660	64,777	35,885	31,323	1,169,657 12/

NOTE: The term "Consumptive Use" in this tabulation means measured diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

1/No surface returns.

2/Calculated from monthly power records.

3/This figure may include some Gila River water. No effort has been made in this or past reports to segregate the Gila River component from the Colorado River component in the Wellton-Mohawk drainage as no methodology has yet been developed therefor. Such an effort will be made in future years, as deemed appropriate, since Wellton-Mohawk is not entitled to return flow credit for Gila River water. This figure includes 154,630 acre-feet of Wellton-Mohawk drainage delivered to Mexico in excess of minimum Treaty requirements pursuant to provisions of Minute No. 242.

4/Pumped from underground and unassigned to district as returns include quantities of drainage from Yuma Mesa as well from South Gila Valley.

5/Includes deliveries to the following water users who have contracts with the United States.

Contractor	Point of Delivery	Annual Delivery (acre-feet)
City of Yuma	B3.7 Lateral	11
Desert Lawn Memorial	B3.7 Lateral	185
Southern Pacific Company	B3.7 Lateral	14
Southern Pacific Company	After bay of Yuma Mesa Pumping Plant	46
Yuma Mesa Fruit Growers Association	B3.7 W. Lateral	12
County of Yuma, Arizona	B3.8 Lateral	12
Marine Corps Air Station, Department of the Navy	B Canal and B-5.5 W. Lateral	1,715
TOTAL		1,995

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

University of Arizona	B Main Canal	945
Camille Alec, Jr.	B-8 Lateral	97

7/Includes deliveries to the following water users who have contracts with the United States.

Yuma Union High School District	Yuma Main Canal	258
City of Yuma - Smucker Park	Yuma Main Canal	77

8>Returns include unknown quantities of drainage returns from Yuma Mesa Irrigational and Drainage District as well as from Yuma County Water Users Association and Cocopah Indian Reservation.

9/Details on Arizona Supplemental Sheets 1-4.

10/Monthly distribution not available, distributed according to monthly distribution of other users in immediate area.

11/Monthly distribution not available.

12/The total is 337 acre-feet greater than the sum of nonavailable monthly distribution of diversion by Imperial National Wildlife Refuge.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980
STATE OF ARIZONA

(B)

(ACRE - FEET) Sheet 1 of 4

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS <u>1/</u>
Wayne Burgess 2 pumps, 1 well SW ¹ SE ¹ SW ¹ , Sec. 34, T. 4 N., R. 22 W., G&SRM	Diversion	18	37	197	136	674	174	585	718	453	428	175	5	3,600 <u>2/</u>
Arkelian Farms 2 pumps SE ¹ NW ¹ SE ¹ , Sec. 16, T. 1 N., R. 23 W., G&SRM	Diversion													2,526
Sprawl (A. Towery) 1 pump SE ¹ SW ¹ NW ¹ , Sec. 21, T. 1 N., R. 23 W., G&SRM	Diversion													3,180
Cibola Valley Irrigation & Drainage Dist. 3 pumps SE ¹ SE ¹ NE ¹ , Sec. 20, T. 1 N., R. 23 W., G&SRM	Diversion	1,365	1,092	578	1,660	2,367	1,489	2,052	2,250	2,587	1,870	758	778	18,846 <u>2/</u>
Swan, Ron 2 pumps SW ¹ NW ¹ NE ¹ , Sec. 2, T. 15 N., R. 24 W., G&SRM	Diversion													240
Bishop, Louis 2 pumps NW ¹ SW ¹ SW ¹ , Sec. 31, T. 1 S., R. 23 W., G&SRM	Diversion													960
BLM Permittees Davis Dam to Imperial Dam	Diversion													75
Subtotals - Davis Dam to Imperial Dam	Diversion <u>3/</u> Diversion <u>4/</u>	1,383 430	1,129 351	775 241	1,796 559	3,041 946	1,663 517	2,637 820	2,968 923	3,040 945	2,298 715	933 290	783 244	22,446 6,981
Pratt, Loren 1 well SW ¹ NW ¹ NE ¹ , Sec. 14, T. 7 S., R. 22 W., G&SRM	Diversion													228
1 pump SE ¹ SW ¹ NW ¹ , Sec. 14, T. 7 S., R. 22 W., G&SRM	Diversion													222

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DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980
STATE OF ARIZONA

(B)

(ACRE - FEET) Sheet 2 of 4

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS <u>1/</u>
Dulin, Arlin														
1 well	Diversion													
SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 8, T. 8 S., R. 22 W., G&SRM		23	4	52	106	44	98	195	286	252	185	7	0	1,252 <u>2/</u>
1 well	Diversion													
SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 7, T. 8 S., R. 22 W., G&SRM		0	0	0	212	15	137	218	263	282	65	0	0	1,192 <u>2/</u>
Sturges, Steve														
9 wells	Diversion													
Sec. 18, T. 8 S., R. 21 W., and Sec.'s 13 & 14, T. 8 S., R. 22 W., G&SRM		916	1,280	1,819	2,755	1,604	2,617	2,196	2,524	1,304	1,512	1,314	1,010	20,851 <u>2/</u>
Yowelman, R.														
1 well	Diversion													720
NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 17, T. 8 S., R. 22 W., G&SRM														
Auza, Pete														
1 well	Diversion													
SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 18, T. 8 S., R. 22 W., G&SRM		0	104	52	217	122	29	281	176	175	215	153	0	1,524 <u>2/</u>
1 pump	Diversion													1,590
SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 24, T. 8 S., R. 23 W., G&SRM														
1 well	Diversion													1,590
SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 18, T. 8 S., R. 22 W., G&SRM														
Ott, Judd														
1 well	Diversion													
NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 30, T. 8 S., R. 22 W., G&SRM		21	27	17	42	38	62	112	106	120	56	1	19	621 <u>2/</u>
1 well	Diversion													
SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 19, T. 8 S., R. 22 W., G&SRM		36	36	26	33	25	37	76	72	59	35	21	42	498 <u>2/</u>
Cameron Brothers														
1 well	Diversion													
SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 24, T. 8 S., R. 22 W., G&SRM		123	62	99	95	129	102	162	214	122	14	68	73	1,263 <u>2/</u>
Harp, R.														
1 well	Diversion													
SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 13, T. 8 S., R. 23 W., G&SRM														1,458

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980
STATE OF ARIZONA

(B)

(ACRE - FEET) Sheet 3 of 4

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS <u>1/</u>
Vukasovich														
1 well	Diversion	0	0	0	2	0	0	22	11	11	0	1	1	48 <u>2/</u>
SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 24, T. 8 S., R. 22 W., G&SRM														
1 well	Diversion	31	22	24	45	64	63	62	44	42	41	38	12	488 <u>2/</u>
SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 24, T. 8 S., R. 22 W., G&SRM														
Sunkist of Yuma														
1 well	Diversion	0	4	3	0	2	9	10	9	6	2	3	3	51 <u>2/</u>
NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 23, T. 8 S., R. 23 W., G&SRM														
Yucca Power Plant														
1 well	Diversion													843
NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 36, T. 16 S., R. 21 E., SEM														
Nunnaley (G. Russell)														
1 well	Diversion	5	59	41	46	70	2	8	11	10	52	24	32	360 <u>2/</u>
NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 28, T. 16 S., R. 22 E., SEM														
Power, Bill														
1 pump	Diversion													1,980
SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 30, T. 16 S., R. 22 E., SEM														
Power, R.E. (P. Power)														
1 pump	Diversion													1,920
SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 30, T. 16 S., R. 22 E., SEM														
Hall, Ansil														
1 pump	Diversion													480
NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 33, T. 16 S., R. 21 E., SEM														
Arizona Subtotals	Diversion <u>3/</u>	1,155	1,598	2,133	3,553	2,113	3,156	3,342	3,716	2,383	2,177	1,630	1,192	28,148
Imperial Dam to Northerly International	Diversion <u>4/</u>	453	626	836	1,392	828	1,237	1,310	1,456	934	853	639	467	11,031
Arizona Totals	Diversion	3,421	3,704	3,985	7,300	6,928	6,573	8,109	9,063	7,302	6,043	3,492	2,686	68,606

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980
STATE OF CALIFORNIA

(B)

(ACRE - FEET) Sheet 1 of 2

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Fort Mohave Indian Reservation														
Pumped from river and wells in flood plain	Diversion ^{8/}	214	290	727	1,440	1,359	1,469	1,861	1,759	1,154	629	407	283	11,592
	Return													<u>1/</u>
	Consumptive Use													
City of Needles														
⁴ wells	Diversion	85	101	132	179	291	395	440	395	357	239	166	150	2,930
NW ¹ / ₄ SW ¹ / ₄ , Sec. 29, T. 9 N., R. 23 E., SEM	Return	31	36	46	49	72	76	95	86	79	65	54	47	736
	Consumptive Use	54	65	86	130	219	319	345	309	278	174	112	103	2,194
San Bernardino County														
1 well	Diversion	1	1	1	1	1	2	2	2	1	1	1	1	15
	Return													<u>1/</u>
	Consumptive Use													
Metropolitan Water District of Southern California														
Diversion from Lake Havasu	Diversion	52,745	46,435	42,468	68,763	92,762	81,221	81,394	86,939	60,114	75,719	70,758	61,847	821,165
	Return	371	313	347	325	327	307	315	307	301	362	361	382	4,018
	Consumptive Use	52,374	46,122	42,121	68,438	92,435	80,914	81,079	86,632	59,813	75,357	70,397	61,465	817,147
Parker Dam and Government Camp														
Diversion at Parker Dam	Diversion ^{8/}	8	8	11	21	25	32	38	45	34	26	14	11	273
	Return													<u>1/</u>
	Consumptive Use													
Colorado River Indian Reservation ^{6/}														
Pumped from river and wells	Diversion	465	587	306	369	544	1,175	1,364	1,407	1,135	1,079	1,023	1,317	10,771
1 well - Big River	Diversion	36	39	70	93	114	124	174	179	157	135	86	63	1,270
	Return													<u>1/</u>
	Consumptive Use													
Palo Verde Irrigation District														
Diversion from Palo Verde Dam	Diversion	31,760	39,472	83,057	106,534	85,784	98,858	116,352	107,387	89,734	58,337	46,188	42,992	906,455
	Return	29,612	32,111	34,029	42,493	46,108	42,820	45,042	48,474	47,210	45,548	38,880	35,824	488,151
	Consumptive Use	2,148	7,361	49,028	64,041	39,676	56,038	71,310	58,913	42,524	12,789	7,308	7,168	418,304
Yuma Project Reservation Division														
Indian Unit	Diversion	1,149	2,504	5,301	3,872	3,332	6,234	6,896	5,687	3,876	1,606	827	1,148	42,432
Diversion at Imperial Dam	Return													<u>1/</u>
	Consumptive Use													
Yuma Project Reservation Division														
Bard Unit	Diversion	1,497	3,154	4,354	4,492	4,549	6,055	7,192	5,848	3,769	2,774	1,963	2,029	47,676
Diversion at Imperial Dam	Return													<u>1/</u>
	Consumptive Use													

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980

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STATE OF CALIFORNIA

(ACRE - FEET) Sheet 2 of 2

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Returns from Yuma Project Reservation Division Returns	Return <u>2/</u>	1,659	1,580	2,697	1,724	2,300	2,748	3,043	2,754	2,238	2,584	2,530	2,466	28,323
Imperial Irrigation District Diversion at Imperial Dam	Diversion Return Consumptive Use	122,274	84,770	269,671	348,545	270,006	269,965	319,777	339,150	293,787	228,967	154,119	144,748	2,845,779 <u>1/</u>
Coachella Valley Water District Diversion at Imperial Dam	Diversion Return Consumptive Use	29,426	21,501	321,641	51,568	51,386	59,837	68,728	69,803	55,340	46,777	23,712	21,072	531,791 <u>1/</u>
City of Winterhaven 1 well SE 1/4 Sec. 27, T. 16, S., R. 22 E., SEM	Diversion Return Consumptive Use													128 <u>3/</u> <u>1/</u>
Other Users pumping from Colorado River and wells in flood plain Nevada-California stateline to International Boundary	Diversion <u>4/</u>	161	945	1,982	2,726	1,723	2,703	3,380	4,967	3,284	1,848	452	276	24,447
California Totals	Diversion Return Consumptive Use	239,821 31,673 208,148	199,807 34,040 165,767	440,721 37,119 403,602	588,603 44,591 544,012	511,876 48,807 463,069	528,070 45,951 482,119	607,598 48,495 559,103	623,568 51,621 571,947	512,742 49,828 462,914	418,137 48,559 369,578	299,716 41,825 257,891	275,937 38,719 237,218	5,246,724 <u>5/</u> 521,228 4,725,496 <u>5/</u>

NOTE: The term "Consumptive Use" in this tabulation means measured diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to 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 the All-American Canal.
- 3/ Monthly distribution not available.
- 4/ Details on California Supplemental Sheets 1-3.
- 5/ The total is 128 acre-feet greater than the sum of monthly totals because of nonavailable monthly distribution of diversion by City of Winterhaven.
- 6/ Calculated from monthly power records and power-discharge measurement where available, and where power-discharge measurements were not available calculated from average power-discharge rate.
- 7/ Estimate based on measured regulatory reservoirs seepage returns less an estimated amount of phreatophyte use.
- 8/ Total of items for which monthly distribution is not shown. Distributed according to monthly distribution of other users in immediate area.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980
STATE OF CALIFORNIA

(B)

(ACRE - FEET) Sheet 1 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS <u>1/</u>
Soto Brothers														
1 well	Diversion													840
SW ¹ / ₄ NE ¹ / ₄ SE ¹ / ₄ , Sec. 36, T. 11 N., R. 21 E., SEM														
Deason, Richard (Tri-State)														
1 well	Diversion													1,200
NW ¹ / ₄ NE ¹ / ₄ NW ¹ / ₄ , Sec. 31, T. 11 N., R. 22 E., SEM														
1 well	Diversion													720
SE ¹ / ₄ NE ¹ / ₄ SW ¹ / ₄ , Sec. 36, T. 11 N., R. 21 E., SEM														
1 well	Diversion													960
SE ¹ / ₄ NW ¹ / ₄ NE ¹ / ₄ , Sec. 31, T. 11 N., R. 21 E., SEM														
R. L. Lyle														
1 well	Diversion													108
SE ¹ / ₄ NE ¹ / ₄ NW ¹ / ₄ , Sec. 16, T. 1 S., R. 24 E., SEM														
BLM Permittees	Diversion													162
Subtotals - Davis Dam to Imperial Dam	Diversion <u>4/</u>	25	148	310	427	270	423	529	778	514	290	71	43	3,828
Cole (R. Land)														
1 well	Diversion													636
SW ¹ / ₄ SE ¹ / ₄ SE ¹ / ₄ , Sec. 35, T. 15 S., R. 23 E., SEM														
Berryman														
1 well	Diversion	0	8	0	71	38	32	24	32	41	8	11	0	265 <u>2/</u>
NW ¹ / ₄ NW ¹ / ₄ NW ¹ / ₄ , Sec. 2, T. 16 S., R. 23 E., SEM														
Duke (P. Power)														
1 pump	Diversion													1,992
NW ¹ / ₄ SW ¹ / ₄ SW ¹ / ₄ , Sec. 14, T. 16 S., R. 23 E., SEM														
H. Mitchell														
1 well	Diversion	0	0	30	28	33	43	60	43	141	104	0	0	482 <u>2/</u>
SE ¹ / ₄ SE ¹ / ₄ NW ¹ / ₄ , Sec. 22, T. 16 S., R. 23 E., SEM														
Perez, F. (Slade)														
1 well	Diversion	0	6	288	2	26	208	193	292	124	26	2	0	1,167 <u>2/</u>
NE ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄ , Sec. 6, T. 8 S., R. 22 W., G&SRM														
Barrett (R. Harp)														
1 well	Diversion													858
SE ¹ / ₄ SW ¹ / ₄ SW ¹ / ₄ , Sec. 6, T. 8 S., R. 22 W., G&SRM														
Spencer, M.														
1 well	Diversion	0	0	130	0	0	69	120	128	64	0	0	0	511 <u>2/</u>
SW ¹ / ₄ NE ¹ / ₄ SW ¹ / ₄ , Sec. 9, T. 16 S., R. 23 E., SEM														

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980
STATE OF CALIFORNIA

(B)

(ACRE - FEET) Sheet 2 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS <u>1/</u>
Martin, M. (A. Dees)														
1 pump	Diversion	0	164	0	0	0	68	0	128	64	0	0	0	511 <u>2/</u>
NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 1, T. 8 S., R. 23 W., G&SRM														
1 pump	Diversion	0	0	0	532	0	0	0	605	0	0	0	0	1,137 <u>2/</u>
SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 1, T. 8 S., R. 23 W., G&SRM														
Schaffer, F. (R. Harp)														
1 well	Diversion	0	116	80	2	148	225	133	0	0	0	7	5	716 <u>2/</u>
SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 2, T. 8 S., R. 23 W., G&SRM														
Coley, M.														
1 well	Diversion	0	0	1	0	55	21	65	72	89	38	0	0	341 <u>2/</u>
SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 18, T. 16 S., R. 23 E., SEM														
Taylor Brothers														
1 well	Diversion	0	0	121	21	63	65	184	211	232	3	1	0	901 <u>2/</u>
NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 2, T. 8 S., R. 23 W., G&SRM														
Wilson (R. Harp)														
1 well	Diversion	30	14	71	6	82	74	115	145	93	50	14	11	705 <u>2/</u>
NE $\frac{1}{4}$ NW $\frac{1}{4}$ W $\frac{1}{4}$, Sec. 12, T. 8 S., R. 23 W., G&SRM														
Easterday, Anne														
1 well	Diversion	0	0	0	154	0	82	52	183	114	0	0	0	585 <u>2/</u>
SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 1, T. 8 S., R. 23 W., G&SRM														
Dees, John														
1 well	Diversion	41	143	97	110	182	238	269	300	395	232	23	72	2,102 <u>2/</u>
SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 1, T. 8 S., R. 23 W., G&SRM														
Evans, E. (R. Harp)														
1 well	Diversion	2	0	0	25	0	58	79	101	45	40	2	3	355 <u>2/</u>
SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 12, T. 8 S., R. 23 W., G&SRM														
Harp, P.														
1 well	Diversion													882
SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 12, T. 8 S., R. 23 W., G&SRM														
Easterday, Kenneth														
1 well	Diversion	34	7	89	191	94	194	250	328	119	85	99	56	1,546 <u>2/</u>
NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 12, T. 8 S., R. 23 W., G&SRM														
Smith, F. (P. Power)														
1 well	Diversion	0	170	77	464	191	382	428	572	444	227	114	5	3,074 <u>2/</u>
NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 11, T. 8 S., R. 23 W., G&SRM														

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DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980
STATE OF CALIFORNIA

V(B)

(ACRE - FEET) Sheet 3 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS ^{1/}
Musgrave (Barkley Co.)														
1 well NE ¹ ₄ SE ¹ ₄ SW ¹ ₄ , Sec. 19, T. 16 S., R. 23 E., SEM	Diversion	0	0	0	0	30	20	38	39	35	11	0	0	173 ^{2/}
Hutcheson (Slade)														
1 pump SE ¹ ₄ SE ¹ ₄ SE ¹ ₄ , Sec. 27, T. 16 S., R. 22 E., SEM	Diversion	0	0	40	0	16	15	43	36	12	0	0	0	162 ^{2/}
Slade, W.														
1 pump SW ¹ ₄ NE ¹ ₄ SE ¹ ₄ , Sec. 29, T. 16 S., R. 22 E., SEM	Diversion	0	0	20	26	0	0	71	43	26	0	0	0	186 ^{2/}
Hudson, C. A.														
1 pump NE ¹ ₄ NW ¹ ₄ SW ¹ ₄ , Sec. 29, T. 16 S., R. 22 E., SEM	Diversion	0	0	274	180	187	3	123	7	119	254	0	0	1,147 ^{2/}
Cloud														
1 well NW ¹ ₄ NW ¹ ₄ NW ¹ ₄ , Sec. 29, T. 29 S., R. 22 G., SEM	Diversion	0	0	0	0	0	0	0	136	68	127	0	0	331 ^{2/}
Subtotals - Imperial Dam to Boundary	Diversion ^{3/}	107	628	1,318	1,812	1,145	1,797	2,247	3,302	2,183	1,228	300	184	16,251
	Diversion ^{4/}	29	169	354	487	308	483	604	887	587	330	81	49	4,368
Total California	Diversion	161	945	1,982	2,726	1,723	2,703	3,380	4,967	3,284	1,848	452	276	24,447

^{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 which monthly distribution is shown.

^{4/} Total of items for which monthly distribution is not shown. Distributed according to monthly distribution of other users in immediate area.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1980
STATE OF NEVADA

V(B)

(ACRE - FEET) Sheet 2 of 2

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Ramelli, Helen Lot No. 3, Sec. 13, T. 32 S., R. 66 E., MDB&M	Diversion Return Consumptive Use													2 $\frac{4}{2}$
Southern California Edison Company Diversion at Pumping Plant in Sec. 24, T. 32 S., R. 66 E., MDB&M	Diversion Return Consumptive Use	647	501	600	1,215	1,079	1,188	1,052	971	1,208	316	781	605	10,163 $\frac{2}{2}$
Wiebke, Armin T. Lot No. 1, Sec. 33, T. 32 S., R. 66 E., MDB&M (except W. 500' and E. 630')	Diversion Return Consumptive Use													7 $\frac{4}{2}$
Portenier, Warren E. $\frac{1}{2}$ Lot No. 1, Sec. 33, T. 32 S., R. 66 E., MDB&M	Diversion Return Consumptive Use													42 $\frac{4}{2}$
Welles, John C. 1 pump $\frac{2}{2}$ Lot No. 2, Sec. 33, T. 32 S., R. 66 E., MDB&M	Diversion Return Consumptive Use													8 $\frac{4}{2}$
Knight, John B. 1 pump $\frac{1}{2}$ Lot No. 2, Sec. 33, T. 32 S., R. 66 E., MDB&M	Diversion Return Consumptive Use													5 $\frac{4}{2}$
LAS VEGAS WASH RETURN FLOWS	Returns $\frac{6}{2}$	3,940	3,111	4,151	3,559	3,472	3,310	3,491	3,597	3,590	3,671	3,522	3,528	42,942
Nevada Totals	Diversion Return Consumptive Use	7,990 4,302 3,688	7,107 3,449 3,658	7,037 4,507 2,530	11,307 3,919 7,388	13,204 3,860 9,344	14,370 3,685 10,685	15,565 3,873 11,692	15,890 3,974 11,916	13,952 3,954 9,998	12,795 4,034 8,761	10,826 3,881 6,945	9,976 3,908 6,068	140,083 $\frac{5}{2}$ 47,346 92,737 $\frac{5}{2}$

NOTE: The term "Consumptive Use" in this tabulation means measured diversion including underground pumping less measured return flow and less unmeasured return flow to the river.

1/ Delivered through the facilities of the Southern Nevada Water Project.
2/ No surface return.
3/ Delivered through the facilities of Basic Management, Inc.
4/ Reports annually.
5/ The monthly totals do not add to the annual total because of the nonavailability of monthly values footnoted 4/.
6/ Estimate based on the percentage of Colorado River water used in the Las Vegas Valley.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1979
STATE OF NEVADA

V(B)

REVISION

(ACRE - FEET)

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
LAS VEGAS WASH RETURN FLOW	Returns <u>6/</u>	3,741	3,394	3,769	2,708	2,079	2,799	2,670	3,040	3,246	3,381	3,125	3,408	37,360
Nevada Totals	Diversion	5,865	5,643	6,385	9,520	11,479	13,264	15,629	14,715	14,711	13,746	10,664	8,845	130,532 <u>5/</u>
	Return	4,131	3,739	4,152	3,045	2,462	3,156	3,028	3,395	3,591	3,729	3,488	3,783	41,699
	Consumptive Use	1,734	1,904	2,233	6,475	9,017	10,108	12,601	11,320	11,120	10,017	7,176	5,125	88,833 <u>5/</u>

5/ The monthly totals do not add to the annual total because of the nonavailability of monthly values footnoted 4/.

6/ Estimate based on the percentage of Colorado River water used in the Las Vegas Valley.

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

CALENDAR YEAR 1980

The following tabulations for calendar year 1980 show records of releases of mainstream water pursuant to orders therefore 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. Also shown are quantities of such rejected water delivered to Mexico in excess of Treaty requirements and quantities delivered to storage. The quantities delivered to storage were available to release for future use.

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 traveltime involved in conveying the water from the storage point to the diversion point on the mainstream. To the extent possible "water ordered but not diverted" was delivered to others in satisfaction of their rights. The quantities of such deliveries are shown on the tabulation.

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.

To date, no orders are received for diversions from the Colorado River in Nevada so no sheet is included in Nevada. The storage capacity of Lake Mead is so large in relation to the present daily diversions from the reservoir by Nevada that any "water ordered but not diverted" would be retained for future use and would have no significant effect on scheduling of daily operations of the reservoir.

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 1980
STATE OF ARIZONA

(ACRE - FEET) Sheet 1 of 3

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	137	803	1,849	1,184	1,533	1,583	621	2,432	1,234	319	532	764	12,991
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	129	282	577	159	397	428	177	456	422	97	81	248	3,453
	Delivered to Storage 2/ Delivered to Mexico in Excess of Treaty	8	456	1,212	870	1,136	1,155	444	1,976	812	222	451	516	9,258
Yuma Proving Grounds U.S. Army Diversion at Imperial Dam 1/	Ordered but not Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
	Delivered to Mexico in Satisfaction of Treaty	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
	Delivered to Storage 2/ Delivered to Mexico in Excess of Treaty	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	756	601	359	732	555	633	938	1,006	516	567	577	766	8,006
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	190	224	133	236	153	315	303	422	163	67	95	375	2,676
	Delivered to Storage 2/ Delivered to Mexico in Excess of Treaty	467	234	226	397	329	318	635	584	353	500	482	391	4,936
Warren Act Contractors Gila Project Districts Diversion at Imperial Dam 1/	Ordered but not Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
	Delivered to Mexico in Satisfaction of Treaty	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
	Delivered to Storage 2/ Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Wellton-Mohawk I. & D. D. Diversion at Imperial Dam	Ordered but not Diverted	3,215	4,620	2,465	2,662	4,731	1,061	3,352	3,130	3,763	4,963	2,761	4,628	41,351
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	311	147	514	500	1,325	79	668	599	835	845	250	895	6,968
	Delivered to Storage 2/ Delivered to Mexico in Excess of Treaty	2,509	3,279	1,899	1,674	2,466	982	2,684	2,531	2,928	4,118	2,511	3,733	31,314
Yuma Irrigation District Diversion at Imperial Dam	Ordered but not Diverted	962	720	718	468	1,023	367	480	428	538	762	930	452	7,848
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	159	180	216	42	333	230	276	165	77	305	282	145	2,410
	Delivered to Storage 2/ Delivered to Mexico in Excess of Treaty	674	292	494	263	577	137	204	263	461	457	648	307	4,777
		129	248	8	163	113	0	0	0	0	0	0	0	661

RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS

(C)

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 1980

STATE OF ARIZONA

(ACRE - FEET) Sheet 2 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Yuma Mesa I. & D. D. Diversion at Imperial Dam	Ordered but not Diverted	3,005	3,919	2,019	1,976	1,388	803	450	1,611	2,154	3,029	2,489	2,440	25,283
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	284	547	298	424	254	200	83	538	672	317	516	722	4,855
	Delivered to Storage <u>2/</u>	1,951	2,591	1,719	1,145	876	603	367	1,073	1,482	2,712	1,973	1,718	18,210
	Delivered to Mexico in Excess of Treaty	770	781	2	407	258	0	0	0	0	0	0	0	2,218
Unit B I. & D. D. Diversion at Imperial Dam	Ordered but not Diverted	256	970	123	296	228	280	171	179	458	309	218	139	3,627
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by others	71	708	18	6	56	117	14	6	208	0	12	69	1,285
	Delivered to Storage <u>2/</u>	153	214	105	272	126	163	157	173	250	309	206	70	2,198
	Delivered to Mexico in Excess of Treaty	32	48	0	18	46	0	0	0	0	0	0	0	144
City of Yuma Diversion at Imperial Dam	Ordered but not Diverted	0	0	0	0	0	113	0	0	77	47	28	0	265
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	0	0	0	0	0	85	0	0	24	29	14	0	152
	Delivered to Storage <u>2/</u>	0	0	0	0	0	28	0	0	53	18	14	0	113
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Yuma County Water Users' Association Diversion at Imperial Dam	Ordered but not Diverted	2,825	3,636	2,242	1,854	3,992	443	2,063	1,994	1,314	1,432	1,315	1,344	24,454
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	298	375	519	605	2,050	335	1,744	1,082	409	869	676	898	9,860
	Delivered to Storage <u>2/</u>	1,237	2,164	1,538	248	1,009	108	319	912	905	563	639	446	10,088
	Delivered to Mexico in Excess of Treaty	1,290	1,097	185	1,001	933	0	0	0	0	0	0	0	4,506
Cocopah Indian Reservation Diversion at Imperial Dam	Ordered but not Diverted	1	0	13	1	21	1	8	9	3	5	8	15	85
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	0	0	3	0	11	1	7	5	1	3	4	10	45
	Delivered to Storage <u>2/</u>	0	0	9	0	5	0	1	4	2	2	4	5	32
	Delivered to Mexico in Excess of Treaty	1	0	1	1	5	0	0	0	0	0	0	0	8

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

V(C)

AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1980
STATE OF ARIZONA

(ACRE - FEET) Sheet 3 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Arizona Totals	Ordered but not Diverted	11,157	15,269	9,788	9,173	13,471	5,284	8,083	10,789	10,057	11,433	8,853	10,548	123,910
	Delivered to Mexico in													
	Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	1,442	2,463	2,278	1,972	4,579	1,790	3,272	3,273	2,811	2,532	1,930	3,362	31,704
	Delivered to Storage ^{2/}	6,999	9,230	7,202	4,869	6,524	3,494	4,811	7,516	7,246	8,901	6,928	7,186	80,906
	Delivered to Mexico in													
	Excess of Treaty	2,716	3,576	308	2,332	2,368	0	0	0	0	0	0	0	11,300

^{1/} No ordered received.
^{2/} Available for future use.

RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS

(C)

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 1980

STATE OF CALIFORNIA

(ACRE - FEET) Sheet 2 of 2

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Coachella Valley Water District Diversion at Imperial Dam	Ordered but not Diverted	1,111	6,665	555	0	2,222	0	278	2,777	555	0	793	397	15,353
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	405	2,128	278	0	67	0	278	1,444	16	0	186	26	4,828
	Delivered to Storage ^{1/}	434	3,408	49	0	808	0	0	1,333	539	0	607	371	7,549
	Delivered to Mexico in Excess of Treaty	272	1,129	228	0	1,347	0	0	0	0	0	0	0	2,976
California Totals	Ordered but not Diverted	25,988	21,901	20,876	10,180	15,957	1,215	3,612	6,474	2,100	2,012	4,545	1,653	116,513
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	1,377	2,516	1,938	2,131	2,642	309	2,301	3,104	892	1,103	1,061	857	20,231
	Delivered to Storage ^{1/}	14,461	8,312	9,699	1,494	4,376	906	1,311	3,370	1,208	909	3,484	796	50,326
	Delivered to Mexico in Excess of Treaty	10,150	11,073	9,239	6,555	8,939	0	0	0	0	0	0	0	45,956

^{1/} Available for future use.

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

CALENDAR YEAR 1980

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
AND
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS

V(D)

CALENDAR YEAR 1980

(ACRE - FEET)

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Deliveries to Mexico in Satisfaction of Treaty	55,370	108,473	204,931	225,067	116,652	163,798	218,337	248,457	93,507	62,259	60,309	142,840	1,700,000 ^{2/}
Passing to Mexico in Excess of Treaty requirements	244,001	181,712	471,526	483,091	583,427	519,242	463,880	449,160	574,277	675,850	586,411	417,251	5,649,828 ^{1/3/}

^{1/} Includes 154,630 acre-feet delivered pursuant to Minute 242.

^{2/} Includes 200,000 acre-feet scheduled under Paragraph (E), Article 15, of the 1944 Treaty with Mexico.

^{3/} Includes Painted Rock flood control releases and anticipatory flood control releases from Hoover Dam.

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

CALENDAR YEAR 1980

DIVERSIONS 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 1980

(E)

(ACRE - FEET)

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Gila River													0
													0
San Francisco River													0
													0