UNITED STATES
DEPARTMENT OF THE INTERIOR
Stewart L. Udall, Secretary

BUREAU OF RECLAMATION
Floyd E. Dominy, Commissioner

REGION 3
A. B. West, Regional Director

COMPILATION OF RECORDS 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 1964

Lower Colorado River Control Office
Boulder City, Nevada

Revised
February 15, 1967

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 1964

Revised
February 15, 1967

INTERIOR RECLAMATION, BOULDER CITY, NEVADA

Revised
February 15, 1967

The enclosed tabulations for Calendar Year 1964, revised February 15, 1967, 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, 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 estimates of water use are based on an inventory made in November 1965, of crop acres irrigated in 1964 and an assumed annual diversion of six acre-feet per irrigated acre.

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

V(B)

CALENDAR YEAR 1964

STATE OF ARIZONA

Sheet 1 of 2
Final Records
(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	Totals
Lake Mead National Recreation Area	Diversion	9	10	11	16	19	27	27	29	25	21	17	11	222
	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion from Lake Mohave)	Consumptive Use													
Colorado River Indian Reservation	Diversion	13,350	38,280	48,480	43,880	44,090	46,200	54,400	53,650	45,350	32,890	17,200	17,880	455,650
	Return	15,100	26,360	25,670	29,500	24,360	18,990	22,720	25,880	27,250	26,570	17,980	15,280	275,660
(Diversion at Headgate Rock Dam)	Consumptive Use	-1,750	11,920	22,810	14,380	19,730	27,210	31,680	27,770	18,100	6,320	- 780	2,600	179,990
Town of Parker	Diversion	29	82	186	295	294	247	286	57	61	37	38	28	1,640
4 Wells	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
	Consumptive Use													
Yuma Proving Ground, U.S. Army	Diversion	0	2	1	2	0	1	0	2	3	2	2	1	16
	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Imperial Dam)	Consumptive Use													
North Gila Valley Irrigation & Drainage	Diversion	5,214	7,094	8,007	7,351	7,440	7,612	8,108	5,585	5,921	6,593	3,099	4,241	76,265
District	Return	3,025	3,045	4,192	4,057	2,550	2,360	3,014	2,862	2,977	4,301	1,560	2,463	36,406
(Diversion at Imperial Dam)	Consumptive Use	2,189	4,049	3,815	3,294	4,890	5,252	5,094	2,723	2,944	2,292	1,539	1,778	39,859
Warren Act Contractors outside	Diversion	373	527	590	1,006	999	886	1,295	947	1,040	707	384	306	9,060
Gila Project Districts	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Imperial Dam)	Consumptive Use													
Wellton-Mohawk Irrigation & Drainage	Diversion	15,626	25,383	43,044	48,747	54,934	58,781	63,792	50,330	51,441	35,672	16,262	18,295	482,307
District	Return	17,320	15,570	17,760	16,040	15,390	13,590	16,870	17,200	13,810	12,910	13,810	10,770	181,040
(Diversion at Imperial Dam)	Consumptive Use	-1,694	9,813	25,284	32,707	39,544	45,191	46,922	33,130	37,631	22,762	2,452	7,525	301,267
E. P. Roy - Warren Act	Diversion	198	228	237	475	415	516	374	3	100	412	162	168	3,288
Contractor	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Imperial Dam)	Consumptive Use													
A. E. Struve - Warren Act	Diversion	80	81	88	46	59	112	96	0	0	0	121	114	797
Contractor	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Imperial Dam)	Consumptive Use													
Hartman & Franeva - Warren Act	Diversion	269	253	239	231	226	236	167	0	32	333	0	270	2,256
Contractor	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Imperial Dam)	Consumptive Use													
C. E. Jones - Warren Act	Diversion	90	87	79	118	150	132	187	200	156	177	178	68	1,622
Contractor	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Imperial Dam)	Consumptive Use													
Yuma Mesa Irrigation & Drainage	Diversion	14,494	12,582	14,736	24,585	30,578	32,632	34,905	33,319	28,001	21,143	12,979	13,708	273,662
District	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Imperial Dam)														

Revised February 15, 1967

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

V(B)

CALENDAR YEAR 1964

STATE OF ARIZONA

Sheet 2 of 2
Final Records
(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	Totals
Unit "B" Irrigation & Drainage District	Diversion	2,461	1,911	2,826	3,450	4,469	4,558	5,306	5,006	4,896	2,745	1,650	2,401	41,679
	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Imperial Dam)	Consumptive Use													
City of Yuma	Diversion	393	391	487	623	784	1,018	1,219	1,032	924	706	486	430	8,493
	Return	17	9	29	30	28	14	36	12	27	37	25	30	294
(Diversion at Imperial Dam)	Consumptive Use	376	382	458	593	756	1,004	1,183	1,020	897	669	461	400	8,199
Yuma County Water Users Association	Diversion	22,152	25,735	22,959	30,383	36,057	29,772	33,945	30,098	35,430	26,099	18,128	10,849	321,607
	Return 2/	13,892	14,719	15,911	14,952	14,683	12,592	11,656	11,783	10,422	12,839	12,786	11,597	157,832
(Diversion at Imperial Dam)	Consumptive Use	8,260	11,016	7,048	15,431	21,374	17,180	22,289	18,315	25,008	13,260	5,342	- 748	163,775
Cocopah Indian Reservation	Diversion	112	78	255	214	438	361	483	182	250	236	146	110	2,865
	Return	-	-	-	-	-	-	-	-	-	-	-	-	2/
(Diversion at Imperial Dam)	Consumptive Use													
Returns from South Gila Valley	Returns 3/	3,400	3,160	3,940	2,509	3,123	2,599	2,345	3,071	2,925	3,810	3,840	3,080	37,802
South Gila Valley area pumping from wells 4/	Diversion	275	3,200	3,600	5,400	6,800	8,350	4,500	4,800	3,400	4,500	2,100	1,800	48,725
	Return	-	-	-	-	-	-	-	-	-	-	-	-	3/
	Consumptive Use													
Other Users pumping from Colorado River & wells in flood plain	Diversion	5,001	6,983	7,478	7,959	8,785	9,006	10,289	9,191	8,484	5,973	3,839	3,068	86,056
Davis Dam to International Boundary 5/	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
	Consumptive Use													
	Diversion	80,126	122,907	153,303	174,781	196,537	200,447	219,379	194,431	185,514	138,246	76,791	73,748	1,816,210
ARIZONA TOTALS	Return	52,754	62,863	67,502	67,088	60,134	50,145	56,641	60,808	57,411	60,467	50,001	43,220	689,034
	Consumptive Use	27,372	60,044	85,801	107,693	136,403	150,302	162,738	133,623	128,103	77,779	26,790	30,528	1,127,176

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

1/ No surface returns.
2/ Returns include unknown quantities of drainage returns from Yuma Mesa Irrigation and Drainage District and Unit "B" Irrigation and Drainage District as well as from Yuma County Water Users' Association and Cocopah Indian Reservation.
3/ Pumped from underground and unassigned to districts as returns include quantities of drainage from Yuma Mesa as well as from South Gila Valley.
4/ Estimate based on crop acres irrigated and water delivery rates to like crops in adjacent areas.
5/ Details on Arizona Supplemental Sheets 1 - 6.

Revised February 15, 1967

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF ARIZONA

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

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	Totals 1/
Joy, Sam 1 Well Sec. 26, T. 19 N., R. 22 W., G&SRM	Diversion													840
Arizona-Colorado Resort Enterprise Co. 2 Wells Secs. 13 & 15, T. 18 N., R. 22 W., G&SRM	Diversion													2,400
Lake Cimeron Estates 1 Well Sec. 23, T. 18 N., R. 22 W., G&SRM	Diversion													960
Lake Cimeron Estates 1 Well Sec. 23, T. 18 N., R. 22 W., G&SRM	Diversion													480
McMullops Land Corp. 1 Well Sec. 27, T. 18 N., R. 22 W., G&SRM	Diversion													2,580
Vanderslice, John 2 Wells Sec. 11, T. 17 N., R. 22 W., G&SRM	Diversion													3,360
Chesney, Robert 2 Wells Sec. 13, T. 17 N., R. 22 W., G&SRM	Diversion													2,880
Chesney, Robert 1 Pump Accretion to Sec. 19, T. 17 N., R. 21 W., G&SRM	Diversion													570
Clayton Brothers 2 Pumps and 1 Well Sec. 34, T. 4 N., R. 22 W., G&SRM	Diversion													4,800
M & T Packing Share 2 Pumps with Jamar Produce Sec. 16, T. 3 N., R. 22 W., G&SRM	Diversion													780
Jamar Produce Share 2 Pumps with M & T Packing Sec. 16, T. 3 N., R. 22 W., G&SRM	Diversion													2,046
Van Horn, George 1 Pump shared with Claridge, E. Sec. 28, T. 3 N., R. 22 W., G&SRM	Diversion													390

See footnotes on Sheet 6

January 14, 1966

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF Arizona

V(B)
Supplemental Sheet 2 of 6
Other users pumping from Colorado River and wells in flood plain

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	1/ Totals
Claridge, E. 1 Pump shared with Van Horn Sec. 28, T. 3 N., R. 22 W., G&SRM	Diversion													762
Julian, T. D. 1 Pump Sec. 4, T. 2 N., R. 22 W., G&SRM	Diversion	0	0	0	0	0	0	185	185	0	0	0	0	2/ 370
Nall & Peters 1 Pump Sec. 21, T. 1 N., R. 23 W., G&SRM	Diversion													522
Bechtel, Robert 1 Pump Sec. 21, T. 1 N., R. 23 W., G&SRM	Diversion													2,730
Desert Land Company 1 Pump Sec. 20 T. 1 N., R. 23 W., G&SRM	Diversion													894
Beaver Brothers 1 Pump Sec. 20, T. 1 N., R. 23 W., G&SRM	Diversion													2,856
Desert Ginning Company 1 Pump Sec. 20 T. 1 N., R. 23 W., G&SRM	Diversion													3,660
Walker, Luke 1 Pump Sec. 19, T. 1 N., R. 23 W., G&SRM	Diversion													1,800
Watkins, Dick 1 Pump Sec. 19, T. 1 N., R. 23 W., G&SRM	Diversion													1,440
Bechtel, Robert 1 Pump Sec. 24, T. 1 N., R. 24 W., G&SRM	Diversion													3,600
Chrismer-Ramada Farms 1 Pump Sec. 2, T. 1 S., R. 24 W., G&SRM	Diversion													354
Beaver Brothers 1 Pump Sec. 2, T. 1 S., R. 24 W., G&SRM	Diversion													1,620

See Footnotes on Sheet 6

January 14, 1966

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF Arizona

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

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	1/ Totals
Woodward, A. C. 1 Pump Sec. 12, T. 1 S., R. 24 W., G&SRM	Diversion													2,160
Nall & Peters 1 Pump Sec. 12, T. 1 S., R. 24 W., G&SRM	Diversion													2,532
Chrismer, Wm. 1 Well Sec. 36, T. 1 S., R. 24 W., G&SRM	Diversion													1,800
McCloud 1 Pump Sec. 1, T. 2 S., R. 24 W., G&SRM	Diversion													2,700
Arnett Brothers 1 Pump Sec. 31, T. 1 S., R. 23 W., G&SRM	Diversion													3,912
Subtotal - Records of monthly distribution available. Davis Dam to Imperial Dam	Diversion	0	0	0	0	0	0	185	185	0	0	0	0	2/ 370
Subtotal - Records of monthly distribution not available. Davis Dam to Imperial Dam	Diversion	2,904	4,556	5,266	5,172	5,460	6,186	6,845	6,147	5,210	3,486	2,145	2,051	3/ 55,428 Parker 41728
Pratt, Loren 2 Wells Sec. 14, T. 7 S., R. 22 W., G&SRM	Diversion													450
Tudor, J. 1 Well Sec. 8, T. 8 S., R. 22 W., G&SRM	Diversion													600
Fritz and Lamb 1 Well Sec. 7, T. 8 S., R. 22 W., G&SRM	Diversion													1,440
Spencer, M.C. 1 Well Sec. 17, T. 8 S., R. 22 W., G&SRM	Diversion													2,580
Surber, Mrs. Kenneth 1 Well Sec. 19, T. 8 S., R. 22 W., G&SRM	Diversion													234

See footnotes on Sheet 6

January 14, 1966

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF Arizona

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

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	1/ Totals
Ogram, George 2 Wells Sec. 24, T. 8 S., R. 23 W., G&SRM	Diversion													1,680
Ogram, George 2 Wells shared with Shirley & Gunther Sec. 23, T. 8 S., R. 23 W., G&SRM	Diversion													330
Shirley & Gunther 2 Wells shared with George Ogram Sec. 23, T. 8 S., R. 23 W., G&SRM	Diversion													1,392
Dover, Ellis 1 Well shared with Webb & Ribelin Sec. 31, T. 16 S., R. 23 E., SBM	Diversion													492
Webb & Ribelin 1 Well shared with Ellis Dover Sec. 31, T. 16 S., R. 23 E., SBM	Diversion													660
Cordeiro, Manuel 1 Well Sec. 28, T. 16 S., R. 22 E., SBM	Diversion													744
Armon, Curtis 1 Pump Sec. 29, T. 16 S., R. 22 E., SBM	Diversion													642
Power, J. F. 2 Pumps Sec. 30, T. 16 S., R. 22 E., SBM	Diversion													2,760
Hall, Ansel 1 Pump Sec. 36, T. 16 S., R. 21 E., SBM	Diversion													660
Hall, Ansel 1 Pump shared with Yuma Valley Cattle Co. Sec. 21, T. 8 S., R. 24 W., G&SRM	Diversion													120
Yuma Valley Cattle Co. 1 Pump shared with Ansel Hall Sec. 21, T. 8 S., R. 24 W., G&SRM	Diversion													180
Hall, Ansel 1 Pump Sec. 33, T. 8 S., R. 24 W., G&SRM	Diversion													48

See footnotes on Sheet 6

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF Arizona

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

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	1/ Totals
Yancey, Travis 1 Pump Sec. 32, T. 8 S., R. 24 W., G&SRM	Diversion													420
Schoolcraft, Henry 1 Pump Sec. 5, T. 9 S., R. 24 W., G&SRM	Diversion													168
Gannon, J. O. 1 Pump Sec. 18, T. 9 S., R. 24 W., G&SRM	Diversion													960
McDaniel & Son 1 Well Sec. 36, T. 9 S., R. 25 W., G&SRM	Diversion													5,280
Sibley, Philip 1 Pump Sec. 2, T. 10 S., R. 25 W., G&SRM	Diversion													1,008
Sibley, Phillip 1 Well Sec. 1, T. 10 S., R. 25 W., G&SRM	Diversion													1,242
Jefferies, Floyd 1 Well Sec. 2, T. 10 S., R. 25 W., G&SRM	Diversion													960
Sibley, H. D. 1 Well and shares 1 pump with LeRoy Beck Sec. 14, T. 10 S., R. 25 W., G&SRM	Diversion													450
Beck, LeRoy 1 Pump shared with H. D. Sibley Sec. 14, T. 10 S., R. 25 W., G&SRM	Diversion													96
Daniel, A. T. 1 Pump Sec. 23, T. 10 S., R. 25 W., G&SRM	Diversion													372
Lee, James W. 1 Well Sec. 26, T. 10 S., R. 25 W., G&SRM	Diversion													810
Hunter, J. C. 1 Pump Sec. 35, T. 10 S., R. 25 W., G&SRM	Diversion													180

See footnotes on Sheet 6

January 14, 1966

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF Arizona

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

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	1/Totals
Barkley, J. F. 1 Well Sec. 35, T. 10 S., R. 25 W., G&SRM	Diversion													480
Brown, Willis A. 1 Well Sec. 2, T. 11 S., R. 25 W., G&SRM	Diversion													804
Hughes, Earl 1 Well shared with Raymond Quan and H.E. Bilbrey Sec. 3, T. 11 S., R. 25 W., G&SRM	Diversion													576
Quan, Raymond 1 Well shared with Earl Hughes and H. E. Bilbrey Sec. 3, T. 11 S., R. 25 W., G&SRM	Diversion													900
Bilbrey, H.E. 1 Well shared with Earl Hughes and Raymond Quan Sec. 3, T. 11 S., R. 25 W., G&SRM	Diversion													540
Subtotal - Records of monthly distribution not available. Imperial Dam to International Boundary		2,097	2,427	2,212	2,787	3,325	2,820	3,259	2,859	3,274	2,487	1,694	1,017	4/30,258
TOTAL - ARIZONA	Diversion	5,001	6,983	7,478	7,959	8,785	9,006	10,289	9,191	8,484	5,973	3,839	3,068	86,056

1/ Computed by assuming an annual diversion of 6 acre-feet per irrigated acre unless otherwise noted.
2/ Computed by assuming an annual diversion of 2 acre-feet per irrigated acre on 185 acres.
3/ Distributed according to monthly distribution of diversions to Colorado River Indian Reservation and Palo Verde Irrigation District.
4/ Distributed according to monthly distribution of diversions to Valley Division of Yuma Project.

January 14, 1966

DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

V(B)

CALENDAR YEAR 1964

Sheet 1 of 2

STATE OF CALIFORNIA

Final Records (Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	Totals
City of Needles, California	Diversion	125	115	123	174	277	295	389	355	269	218	101	86	2,527
4 wells located in NW¼ of SW¼ of	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
Section 29, T. 9 N., R. 23 E., SBM.	Consumptive Use													
Metropolitan Water District of	Diversion	78,433	72,460	99,990	81,775	105,140	100,585	102,248	99,348	98,626	102,192	95,522	100,379	1,136,698
Southern California	Return	503	468	483	481	126	133	0	0	0	0	0	0	2/ 2,194
(Diversion from Lake Havasu)	Consumptive Use	77,930	71,992	99,507	81,294	105,017	100,452	102,248	99,348	98,626	102,192	95,522	100,379	1,134,504
Palo Verde Irrigation District	Diversion	59,140	75,410	82,990	85,140	92,230	108,200	116,400	99,750	84,750	54,560	36,650	32,690	927,910
	Return	46,510	44,330	54,410	47,260	49,930	45,260	44,240	50,440	46,280	39,450	33,190	28,830	530,130
(Diversion at Palo Verde Diversion Dam)	Consumptive Use	12,630	31,080	28,580	37,880	42,300	62,940	72,160	49,310	38,470	15,110	3,460	3,860	397,780
City of Blythe	Diversion	101	119	122	170	289	328	411	506	319	263	120	94	2,842
10 wells located in Section 32, T. 6 S.,	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
R. 23 E., SBM.	Consumptive Use													
East Blythe County Water District	Diversion	12	12	13	16	20	33	40	47	42	28	18	13	294
Pump from wells for domestic use	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
	Consumptive Use													
Yuma Project Reservation Division	Diversion	1,877	3,830	3,599	4,388	3,974	5,045	6,485	4,926	3,838	2,915	1,310	1,299	43,486
Indian Unit	Return	-	-	-	-	-	-	-	-	-	-	-	-	3/
(Diversion at Imperial Dam)	Consumptive Use													
Yuma Project Reservation Division	Diversion	2,693	4,183	4,516	5,439	5,902	6,729	6,934	5,539	4,032	3,174	2,329	1,848	53,318
Bard Unit	Return	-	-	-	-	-	-	-	-	-	-	-	-	3/
(Diversion at Imperial Dam)	Consumptive Use													
Imperial Irrigation District	Diversion	160,414	219,576	276,089	292,682	271,502	276,374	303,788	295,222	271,354	232,983	154,357	133,814	2,891,155
	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Imperial Dam)	Consumptive Use													
Coachella Valley County Water	Diversion	28,709	32,781	42,930	48,121	55,766	55,010	59,507	59,101	52,806	36,144	27,990	29,552	526,417
District	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Imperial Dam)	Consumptive Use													
Returns from Yuma Project -	Returns 3/	2,161	2,007	2,233	2,141	2,231	2,069	2,333	2,090	1,808	1,830	1,631	1,641	24,175
Reservation Division Drains														
Other users pumping from Colorado River	Diversion	2,133	2,845	3,467	3,346	3,812	4,030	4,144	3,759	3,579	2,468	1,796	1,206	36,585
and wells in flood plain	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
Davis Dam to International Boundary 4/	Consumptive Use													

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DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSUMPTIVE USE OF SUCH WATER

V(B)

CALENDAR YEAR 1964

Sheet 2 of 2

STATE OF CALIFORNIA

Final Records
(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	Totals
CALIFORNIA TOTALS	Diversion	333,637	411,331	514,839	521,251	538,912	556,629	600,346	568,553	519,615	434,945	320,193	300,981	5,621,232
	Return	49,174	46,805	57,126	49,882	52,287	47,462	46,573	52,530	48,088	41,280	34,821	30,471	556,499
	Consumptive Use	284,463	364,526	457,713	471,369	486,625	509,167	553,773	516,023	471,527	393,665	285,372	270,510	5,064,733

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

1/ No surface returns.
2/ Return of cooling water, January through June, no surface returns thereafter.
3/ 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.
4/ Details on California Supplemental Sheets 1 - 5.

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DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF CALIFORNIA

V(B)

Supplemental Sheet 1 of 5
Other users pumping from Colorado River and wells in flood plain

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	Totals 1/
Soto, Amelia 1 well Sec.36, T.11 N., R. 21 E., SBM	Diversion													540
Cossey, Parker 1 well Sec. 9, T. 1 S., R. 24 E., SBM	Diversion													102
Cossey, 1 well Sec. 16, T. 1 S., R. 24 E., SBM	Diversion													72
Cossey, 2 wells Sec. 10, T. 1 S., R. 24 E., SBM	Diversion													660
Ventura Processors' Co. 4 wells Sec.10, T.1 S., R. 24 E., SBM	Diversion													1,590
Curtis, S. F. 1 pump Sec. 31, T. 2 S., R. 24 E., SBM	Diversion													1,350
Swann, James 1 well Sec. 14, T. 3 S., R. 23 E., SBM	Diversion													150
Eberhart, C. F. 2 pumps Sec. 13, T. 3 S., R. 23 E., SBM	Diversion													1,200
Cagle & Wilson 2 pumps Sec. 13, T. 3 S., R. 23 E., SBM	Diversion													870
Curtis, S. F. 1 pump Sec. 36, T. 3 S., R. 23 E., SBM	Diversion													498
Harvey, K. E. 1 pump Sec. 11, T. 4 S., R. 23 E., SBM	Diversion													624
Clark, Robert 1 pump Sec. 36, T. 4 S., R. 23 E., SBM	Diversion													690

See footnotes on Sheet 5

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DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF CALIFORNIA

V(B)
Supplemental Sheet 2 of 5
Other users pumping from
Colorado River and wells
in flood plain

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	1/ Totals
Wagon Wheel Cattle Co. 3 pumps Sec. 6, T. 5 S., R. 24 E., SBM	Diversion													3,096
Wagon Wheel Cattle Co. 2 pumps Sec. 7, T. 5 S., R. 24 E., SBM	Diversion													2,100
Anderson Development Incorporation 1 pump Sec. 13, T. 9 S., R. 21 E., SBM	Diversion	72	76	30	186	270	526	192	247	145	10	195	0	2/1,949
Harvey, R. E. & McMillan, Hugh 1 pump Accretion to Sec. 14, T. 1 S., R 24 W.,G&SRM	Diversion	0	0	556	0	0	0	0	0	0	0	0	0	3/ 556
Milpitas Cattle Co. 1 pump Sec. 23, T. 10 S., R. 21 E., SBM	Diversion													780
Milpitas Cattle Co. 2 pumps Sec. 25, T. 10 S., R. 21 E., SBM	Diversion													3,480
Subtotal - Records of monthly distribution available Davis Dam to Imperial Dam	Diversion	72	76	586	186	270	526	192	247	145	10	195	0	2,505
Subtotal - Records of monthly distribution not available Davis Dam to Imperial Dam	Diversion	933	1,463	1,691	1,661	1,753	1,987	2,199	1,974	1,673	1,120	689	659	4/17,802
Cole, D. C. 1 pump and 1 well Sec. 35, T. 15 S., R. 23 E., SBM	Diversion													636
O'Neal, W. H. 1 well Sec. 35, T. 15 S., R. 23 E., SBM	Diversion													378
Haygood, D. W. 1 well Sec. 2, T. 16 S., R. 23 E., SBM	Diversion													612
O'Neal, W. H. 1 pump Sec. 3, T. 16 S., R. 23 E., SBM	Diversion													198

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DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF CALIFORNIA

V(B)
Supplemental Sheet 3 of 5
Other users pumping from Colorado River and wells in flood plain

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	Totals 1/
Brammer, J. W. 1 pump Sec. 15, T. 16 S., R. 23 E., SBM	Diversion													660
Duke, L. H. 1 pump Sec. 14, T. 16 S., R. 23 E., SBM	Diversion													1,452
Mitchell, H. V. 1 well Sec. 22, T. 16 S., R. 23 E., SBM	Diversion													810
Perez, Filoerto 1 well, shares 1 well with D. E. Slade Sec. 6, T. 8 S., R. 22 W., G&SRM	Diversion													744
Slade, D. E. 1 well, shares 1 well with Filberto Perez Sec. 6, T. 8 S., R. 22 W., G&SRM	Diversion													642
Dial, W. F. 1 well Sec. 6, T. 8 S., R. 22 W., G&SRM	Diversion													858
Spencer, M. E. 1 well, shares 1 well with Z. E. Roberts Sec. 9, T. 16 S., R. 23 E., SBM	Diversion													144
Roberts, Z. E. 1 well, shares 1 well with M. E. Spencer Sec. 9, T. 16 S., R. 23 E., SBM	Diversion													702
Wright, Noland 1 pump Sec. 1, T. 8 S., R. 23 W., G&SRM	Diversion													1,500
Shaffer, Fred 1 pump Sec. 2, T. 8 S., R. 23 W., G&SRM	Diversion													360
Coley, Marvin W. 1 well Sec. 19, T. 16 S., R. 23 E., SBM	Diversion													390
Taylor, Jay 1 well Sec. 2, T. 8 S., R. 23 W., G&SRM	Diversion													546

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DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF CALIFORNIA

V(B)
Supplemental Sheet 4 of 5
Other users pumping from Colorado River and wells in flood plain

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	1/ Totals
Wilson, Woody 1 well Sec. 1, T 8 S., R. 23 W., G&SRM	Diversion													60
Easterday, Anne 1 well Sec. 1, T. 8 S., R. 23 W., G&SRM	Diversion													672
Dees, John F. 1 well, shares 1 well with Arthur Sanders Sec. 1, T. 8 S., R. 23 W., G&SRM	Diversion													240
Sanders, Arthur 1 well, shares 1 well with John F. Dees Sec. 1, T. 8 S., R. 23 W., G&SRM	Diversion													174
Evans, Essie 1 well Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion													690
Bell, H. E. 1 well, shares 1 well with Paul Harp Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion													240
Harp, Paul 1 well, shares 1 well with H. E. Bell Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion													384
Harp, Earl 1 well Sec. 13, T. 8 S., R. 23 W., G&SRM	Diversion													312
Easterday, Ken 1 well Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion													540
Smith, Ferrin 1 well Sec. 11, T 8 S., R. 23 W., G&SRM	Diversion													456
Burgess, John 1 well Sec. 19, T. 16 S., R. 23 E., SBM	Diversion													684
Jaeger tract operator 1 pump Sec. 27, T. 16 S., R. 22 E., SBM	Diversion													540

See footnotes on Sheet 5

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DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1964

STATE OF CALIFORNIA

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

(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	1/ Totals
Buntin, W. W. 1 pump Sec. 29, T. 16 S., R. 22 E., SBM	Diversion													474
Lewis, Joe 1 well Sec. 29, T. 16 S., R. 22 E., SBM	Diversion													180
Subtotal - Records of monthly distribution not available. Imperial Dam to Boundary	Diversion	1,128	1,306	1,190	1,499	1,789	1,517	1,753	1,538	1,761	1,338	912	547	5/16,278
TOTAL - CALIFORNIA	Diversion	2,133	2,845	3,467	3,346	3,812	4,030	4,144	3,759	3,579	2,468	1,796	1,206	36,585

1/ Computed by assuming an annual diversion of six acre-feet per irrigated acre unless otherwise noted.
2/ From records of Palo Verde Irrigation District.
3/ Computed by assuming an annual diversion of two acre-feet per irrigated acre on 278 acres.
4/ Distributed according to monthly distribution of diversions to Colorado River Indian Reservation and Palo Verde Irrigation District.
5/ Distributed according to monthly distribution of diversions through Colorado River Siphon to Valley Division of Yuma Project.

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DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW, AND CONSUMPTIVE USE OF SUCH WATER

V(B)

CALENDAR YEAR 1964

STATE OF NEVADA

(Final Records)
(Acre-Feet)

Water User		January	February	March	April	May	June	July	August	September	October	November	December	Totals
Boulder City	Diversion	99	106	142	187	239	298	375	349	275	224	122	97	2,513
	Return	-	-	-	-	-	-	-	-	-	-	-	-	-
(Diversion at Hoover Dam)	Consumptive Use													
Lake Mead National Recreation Area	Diversion	16	17	25	28	44	59	66	69	53	52	30	20	479
	Return	-	-	-	-	-	-	-	-	-	-	-	-	
(Diversion from Lake Mead)	Consumptive Use													
Basic Management Inc.	Diversion	1,197	1,040	1,021	1,370	1,401	1,526	1,725	1,739	1,499	1,430	1,084	1,133	16,165
	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Saddle Island, Lake Mead)	Consumptive Use													
Las Vegas Valley Water District	Diversion	0	0	0	0	769	1,363	1,711	1,330	697	9	0	0	5,879 2/
	Return	-	-	-	-	-	-	-	-	-	-	-	-	1/
(Diversion at Saddle Island, Lake Mead 2/)	Consumptive Use													
Fibreboard Paper Products Corp.	Diversion	18	16	17	14	14	8	33	30	24	23	24	40	261
	Return	-	-	-	-	-	-	-	-	-	-	-	-	3/
(Diversion at Gypsum Wash, Lake Mead)	Consumptive Use													
NEVADA TOTALS	Diversion	1,330	1,179	1,205	1,599	2,467	3,254	3,910	3,517	2,548	1,738	1,260	1,290	25,297
	Return	-	-	-	-	-	-	-	-	-	-	-	-	-
	Consumptive Use													

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

1/ Portion of return flow in Las Vegas Wash attributable to diversions to Basic Management Inc., and to Las Vegas Valley Water District are not assigned.

2/ Delivered through facilities of Basic Management Inc., and metered at Booster Pump No. 2.

3/ No surface return flow from Fibreboard Paper Products Corp.

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