

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

- - -

CALENDAR YEAR 1964

Revised
February 15, 1967

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
(Acres-Feet)

Water User Recreation Area	Calendar Year 1964												Totals
	January	February	March	April	May	June	July	August	September	October	November	December	
Lake Mead National Recreation Area (Diversion from Lake Mohave)	9	10	11	16	19	27	27	29	25	21	17	11	222
Diversion													
Return													
Consumptive Use													
Colorado River Indian Reservation	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	25,680	27,250	26,570	17,980	15,260	275,660
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 & Wells	29	82	186	295	294	247	286	57	61	37	36	28	1,640
Diversion													
Return													
Consumptive Use													
Yuma Proving Ground, U.S. Army (Diversion at Imperial Dam)	0	2	1	2	0	1	0	2	3	2	2	1	16
Diversion													
Return													
Consumptive Use													
North Gila Valley Irrigation & Drainage District (Diversion at Imperial Dam)	5,214	7,094	8,007	7,351	7,440	7,612	8,108	5,595	5,921	6,593	3,099	4,241	76,265
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	36,408
Consumptive Use	2,189	4,049	3,815	3,294	4,890	5,252	5,094	2,733	2,944	2,292	1,539	1,778	39,859
Warren Act Contractors outside Gila Project Districts (Diversion at Imperial Dam)	373	527	590	1,006	999	886	1,295	947	1,040	707	384	306	9,060
Diversion													
Return													
Consumptive Use													
Wellton-Mohawk Irrigation & Drainage District (Diversion at Imperial Dam)	15,626	25,383	43,044	48,747	54,934	58,781	63,792	50,330	51,441	35,672	16,262	18,295	462,307
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
Consumptive Use	-1,694	9,813	25,284	36,707	39,544	45,191	46,922	33,130	37,631	22,762	2,452	7,525	362,267
E. P. Roy - Warren Act Contractor (Diversion at Imperial Dam)	198	228	237	475	415	516	374	3	100	412	162	168	3,288
Diversion													
Return													
Consumptive Use													
A. E. Struve - Warren Act Contractor (Diversion at Imperial Dam)	80	81	88	46	59	112	96	0	0	0	121	114	797
Diversion													
Return													
Consumptive Use													
Hartman & Franava - Warren Act Contractor (Diversion at Imperial Dam)	269	253	239	231	226	236	167	0	32	333	0	270	2,256
Diversion													
Return													
Consumptive Use													
C. E. Jones - Warren Act Contractor (Diversion at Imperial Dam)	90	87	79	118	150	132	187	200	196	177	178	68	1,622
Diversion													
Return													
Consumptive Use													
Yuma Mesa Irrigation & Drainage District (Diversion at Imperial Dam)	14,494	12,582	14,735	24,585	30,578	32,632	34,905	33,319	28,001	21,143	12,579	13,708	273,662
Diversion													
Return													

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 at Imperial Dam)	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 ^{1/}
City of Yuma	393	391	487	623	784	1,015	1,219	1,032	924	706	486	430	8,493
(Diversion at Imperial Dam)	17	9	29	30	28	14	36	12	27	37	25	30	224
Yuma County Water Users Association (Diversion at Imperial Dam)	376	382	458	593	756	1,004	1,183	1,020	897	669	461	400	8,199
(Diversion at Imperial Dam)	22,452	25,735	22,959	30,383	36,057	29,772	33,945	30,098	35,430	26,099	18,128	10,849	321,607
Cocopah Indian Reservation (Diversion at Imperial Dam)	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)	8,260	11,015	7,044	15,431	21,374	17,180	22,289	18,315	25,008	13,260	5,342	-	163,775
Cocopah Indian Reservation (Diversion at Imperial Dam)	112	78	255	214	438	361	483	182	250	236	146	110	2,865 ^{2/}
Returns from South Gila Valley	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	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 ^{3/}
Other Users pumping from Colorado River & wells in flood plain	5,001	6,983	7,478	7,959	8,785	9,006	10,289	9,191	8,484	5,973	3,839	3,068	86,096 ^{1/}
Davis Dam to International Boundary	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	52,754	62,863	67,502	67,088	60,134	50,145	56,841	60,808	57,411	60,467	50,001	43,220	689,034
	27,372	60,044	55,801	107,693	156,403	150,302	162,738	133,623	128,103	77,779	28,790	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.

DIVISIONS 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

Water User	(Acres-Feet)												
	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Joy, Sam 1 Well													810
Sec. 26, T. 19 N., R. 22 W., G&SRM													2,400
Arizona-Colorado Resort Enterprise Co. 2 Wells													960
Secs. 13 & 15, T. 15 N., R. 22 W., G&SRM													1,180
Jane Cimeron Estates 1 Well													2,580
Sec. 23, T. 18 N., R. 22 W., G&SRM													3,360
Lake Cimeron Estates 1 Well													2,880
Sec. 23, T. 18 N., R. 22 W., G&SRM													570
McClellips Land Corp. 1 Well													4,800
Sec. 27, T. 16 N., R. 22 W., G&SRM													780
Anderslice, John 2 Wells													2,016
Sec. 11, T. 17 N., R. 22 W., G&SRM													390
Chesney, Robert 2 Wells													
Sec. 13, T. 17 N., R. 22 W., G&SRM													
Chesney, Robert 1 Pump													
Accretion to Sec. 19, T. 17 N., R. 21 W., G&SRM													
Clayton Prothers 2 Pumps and 1 Well													
Sec. 34, T. 4 N., R. 22 W., G&SRM													
M & T Packing Share 2 Pumps with Jamar Produce													
Sec. 16, T. 3 N., R. 22 W., G&SRM													
Jamar Produce Share 2 Pumps with M & T Packing													
Sec. 16, T. 3 N., R. 22 W., G&SRM													
Van Horn, George 1 Pump shared with Claridge, E.													
Sec. 29, T. 3 N., R. 22 W., G&SRM													

January 14, 1966

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 2 of 6
Other users pumping from
Colorado River and wells
in flood plain

Water User	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Claridge, D. 1 Pump shared with Van Horn Sec. 28, T. 3 N., R. 22 W., G&SRM	0	0	0	0	0	0	185	185	0	0	0	0	762
Julian, T. D. 1 Pump Sec. 4, T. 2 N., R. 22 W., G&SRM	0	0	0	0	0	0	185	185	0	0	0	0	2,370
Hall & Peters 1 Pump Sec. 21, T. 1 N., R. 23 N., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	522
Rechtel, Robert 1 Pump Sec. 24, T. 1 N., R. 23 W., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	2,730
Desert Land Company 1 Pump Sec. 20 T. 1 N., R. 23 W., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	894
Beaver Brothers 1 Pump Sec. 20, T. 1 N., R. 23 W., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	2,856
Desert Ginning Company 1 Pump Sec. 20 T. 1 N., R. 23 W., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	3,660
Walker, Luke 1 Pump Sec. 19, T. 1 N., R. 23 W., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	1,800
Watkins, Dick 1 Pump Sec. 19, T. 1 N., R. 23 W., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	1,440
Bechtel, Robert 1 Pump Sec. 24, T. 1 N., R. 24 W., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	3,600
Chrismar-Panada Farms 1 Pump Sec. 2, T. 1 S., R. 24 W., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	354
Beaver Brothers 1 Pump Sec. 2, T. 1 S., R. 24 W., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	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(8)
Supplemental Sheet 3 of 6
Other users pumping from
Colorado River and wells
in flood plain

Water User	Diversion	(Acres-Feet)												Totals			
		January	February	March	April	May	June	July	August	September	October	November	December				
Woodward, A. C. 1 Pump	Diversion																2,160
Sec. 12, T. 1 S., R. 24 W., G&SRM																	
Nell & Peters 1 Pump	Diversion																2,532
Sec. 12, T. 1 S., R. 24 W., G&SRM																	
Chrismar, Wm. 1 Well	Diversion																1,800
Sec. 36, T. 1 S., R. 24 W., G&SRM																	
McCloud 1 Pump	Diversion																2,700
Sec. 1, T. 2 S., R. 24 W., G&SRM																	
Arnett Brothers 1 Pump	Diversion																3,912
Sec. 31, T. 1 S., R. 23 W., G&SRM																	
Subtotal - Records of monthly distribution available. Davis Dam to Imperial Dam	Diversion	0	0	0	0	0	0	185	185	0	0	0	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	2,051	2,051	2,051	25,428 4172.8
Pratt, Loren 2 Wells	Diversion																450
Sec. 14, T. 7 S., R. 22 W., G&SRM																	
Tudor, J. 1 Well	Diversion																600
Sec. 8, T. 8 S., R. 22 W., G&SRM																	
Fritz and Lamb 1 Well	Diversion																1,440
Sec. 7, T. 8 S., R. 22 W., G&SRM																	
Spencer, M.C. 1 Well	Diversion																2,580
Sec. 17, T. 8 S., R. 22 W., G&SRM																	
Surber, Mrs. Kenneth 1 Well	Diversion																234
Sec. 19, T. 8 S., R. 22 W., G&SRM																	

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(8)
Supplemental Sheet 4 of 6
Other users pumping from
Colorado River and wells
in flood plain

(Acres-Feet)

Water User	January	February	March	April	May	June	July	August	September	October	November	December	1/Total
Ogden, George 2 Wells Sec. 24, T. 8 S., R. 23 W., G&SRM													1,680
Ogden, George 2 Wells shared with Shirley & Gunther Sec. 23, T. 8 S., R. 23 W., G&SRM													330
Shirley & Gunther 2 Wells shared with George Ogden Sec. 23, T. 8 S., R. 23 W., G&SRM													1,392
Dover, Ellis 1 Well shared with Webb & Ribelin Sec. 31, T. 16 S., R. 23 E., SEM													1,892
Webb & Ribelin 1 Well shared with Ellis Dover Sec. 31, T. 16 S., R. 23 E., SEM													660
Cordeiro, Manuel 1 Well Sec. 28, T. 16 S., R. 22 E., SEM													744
Armon, Curtis 1 Pump Sec. 29, T. 16 S., R. 22 E., SEM													642
Power, J. F. 2 Pumps Sec. 30, T. 16 S., R. 22 E., SEM													2,760
Hall, Ansel 1 Pump Sec. 36, T. 16 S., R. 21 E., SEM													660
Hall, Ansel 1 Pump shared with Yuma Valley Cattle Co. Sec. 21, T. 8 S., R. 24 W., G&SRM													120
Yuma Valley Cattle Co. 1 Pump shared with Ansel Hall Sec. 21, T. 8 S., R. 24 W., G&SRM													180
Hall, Ansel 1 Pump Sec. 33, T. 8 S., R. 24 W., G&SRM													48

January 14, 1966

See footnotes on Sheet 6

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

CALENDAR YEAR 1964
STATE OF ARIZONA

V(18)
Supplemental Sheet 5 of 6
Other users pumping from
Colorado River and wells
in flood plain

Water User	(Acres-Feet)												Totals
	January	February	March	April	May	June	July	August	September	October	November	December	
Yancey, Travis 1 Pump Sec. 32, T. 8 S., R. 24 W., G&SRM													1420
Schoolcraft, Henry 1 Pump Sec. 5, T. 9 S., R. 24 W., G&SRM													168
Cannon, J. O. 1 Pump Sec. 18, T. 9 S., R. 24 W., G&SRM													960
McDaniel & Son 1 Well Sec. 36, T. 9 S., R. 25 W., G&SRM													5,280
Sibley, Phillip 1 Pump Sec. 2, T. 10 S., R. 25 W., G&SRM													1,008
Sibley, Phillip 1 Well Sec. 1, T. 10 S., R. 25 W., G&SRM													1,242
Jefferies, Floyd 1 Well Sec. 2, T. 10 S., R. 25 W., G&SRM													960
Sibley, H. D. 1 Well and shares 1 pump with LeRoy Beck Sec. 14, T. 10 S., R. 25 W., G&SRM													450
Beck, LeRoy 1 Pump shared with H. D. Sibley Sec. 14, T. 10 S., R. 25 W., G&SRM													96
Daniel, A. T. 1 Pump Sec. 23, T. 10 S., R. 25 W., G&SRM													372
Lee, James W. 1 Well Sec. 26, T. 10 S., R. 25 W., G&SRM													810
Hunter, J. C. 1 Pump Sec. 35, T. 10 S., R. 25 W., G&SRM													180

January 14, 1966

See footnotes on Sheet 6

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

CALENDAR YEAR 1964

STATE OF ARIZONA

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

Water User	(Acres-Feet)												
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Barkley, J. F. 1 Well Sec. 35, T. 10 S., R. 25 W., G&SRM													480
Brown, Willis A. 1 Well Sec. 2, T. 11 S., R. 25 W., G&SRM													804
Hughes, Earl 1 Well shared with Raymond Quan and H.E. Bilbrey Sec. 3, T. 11 S., R. 25 W., G&SRM													576
Quan, Raymond 1 Well shared with Earl Hughes and H. E. Bilbrey Sec. 3, T. 11 S., R. 25 W., G&SRM													900
Bilbrey, H.E. 1 Well shared with Earl Hughes and Raymond Quan Sec. 3, T. 11 S., R. 25 W., G&SRM													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	2,694	2,017	26,258
TOTAL - ARIZONA	5,001	6,983	7,478	7,959	8,785	9,006	10,289	9,191	8,484	5,973	3,839	3,066	66,056

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.

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

CALENDAR YEAR 1964
STATE OF CALIFORNIA

V(B)

Sheet 1 of 2

Final Records
(Acres-feet)

Water User	January	February	March	April	May	June	July	August	September	October	November	December	Totals
City of Needles, California 4 wells located in NW 1/4 of SW 1/4 of Section 29, T. 9 N., R. 23 E., S. 8N.	125	115	123	174	277	295	389	355	269	218	101	86	2,527 1/2
Metropolitan Water District of Southern California (Diversion from Lake Havasu)	78,433 503	72,460 1,668	99,990 1,633	81,775 1,181	105,140 1,266	100,585 1,133	102,248	99,348	98,626	102,192	95,522	100,379	1,136,698 2,194
Palo Verde Irrigation District (Diversion at Palo Verde Diversion Dam)	77,930	71,992	99,507	81,294	105,017	100,492	102,248	99,348	98,626	102,192	95,522	100,379	1,134,504
City of Elythe 10 wells located in Section 32, T. 6 S., R. 23 E., S. 8N.	59,140	75,410	82,800	85,140	92,230	108,200	116,400	99,750	84,750	54,560	36,650	32,690	927,910
East Elythe County Water District Pump from wells for domestic use	46,510	44,330	54,410	47,260	49,930	45,260	44,240	50,440	46,280	39,450	33,190	28,890	530,130
Yuma Project Reservation Division Indian Unit (Diversion at Imperial Dam)	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
Yuma Project Reservation Division Bard Unit (Diversion at Imperial Dam)	101	119	122	170	289	328	411	506	319	263	120	94	2,842 1/2
Imperial Irrigation District (Diversion at Imperial Dam)	12	12	13	16	20	33	40	47	42	28	18	13	294 1/2
Coachella Valley County Water District (Diversion at Imperial Dam)	1,877	3,830	3,590	4,388	3,974	5,045	6,485	4,926	3,838	2,915	1,310	1,299	43,486 3/4
Returns from Yuma Project - Reservation Division Drains	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 3/4
Other users pumping from Colorado River and wells in flood plain Davis Dam to International Boundary 1/4	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 1/2
Coachella Valley County Water District (Diversion at Imperial Dam)	28,709	32,791	41,530	48,121	55,766	55,010	59,507	59,101	52,806	36,144	27,990	29,552	526,417 1/2
Returns from Yuma Project - Reservation Division Drains	2,161	2,007	2,223	2,141	2,231	2,069	2,333	2,090	1,808	1,830	1,631	1,641	24,175
Other users pumping from Colorado River and wells in flood plain Davis Dam to International Boundary 1/4	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 1/2

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

CALENDAR YEAR 1964

STATE OF CALIFORNIA

V(3)

Sheet 2 of 2

Final Records
(Acres-Feet)

Water User	January	February	March	April	May	June	July	August	September	October	November	December	Totals
California Totals	333,637	411,331	514,839	521,251	536,912	556,629	600,346	568,553	519,615	434,945	370,193	300,981	5,621,232
Diversion	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
Return	284,463	364,526	457,713	471,369	484,625	509,167	553,773	516,023	471,527	393,665	285,372	270,510	5,064,733
Consumptive Use													

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.

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

Water User	Diversion	(Acres-Feet)												Totals			
		January	February	March	April	May	June	July	August	September	October	November	December				
Soto, Amalia 1 well	Diversion																540
Sec. 36, T. 11 N., R. 21 E., SEM																	
Cossey, <i>P. A. B.</i> 1 well	Diversion																102
Sec. 9, T. 1 S., R. 24 E., SEM																	
Cossey, 1 well	Diversion																72
Sec. 16, T. 1 S., R. 24 E., SEM																	
Cossey, 2 wells	Diversion																660
Sec. 10, T. 1 S., R. 24 E., SEM																	
Ventura Processors' Co. 4 wells	Diversion																1,390
Sec. 10, T. 1 S., R. 24 E., SEM																	
Curtis, S. F. 1 pump	Diversion																1,390
Sec. 31, T. 2 S., R. 24 E., SEM																	
Swann, James 1 well	Diversion																180
Sec. 14, T. 3 S., R. 23 E., SEM																	
Eberhart, C. F. 2 pumps	Diversion																1,200
Sec. 13, T. 3 S., R. 23 E., SEM																	
Cagle & Wilson 2 pumps	Diversion																870
Sec. 13, T. 3 S., R. 23 E., SEM																	
Curtis, S. F. 1 pump	Diversion																498
Sec. 36, T. 3 S., R. 23 E., SEM																	
Harvey, K. E. 1 pump	Diversion																624
Sec. 11, T. 4 S., R. 23 E., SEM																	
Clark, Robert 1 pump	Diversion																690
Sec. 36, T. 4 S., R. 23 E., SEM																	

See footnotes on Sheet 5

Revised February 15, 1967

**DIVERSIONS FROM MAINSTREAM, AVAILABLE RETURN FLOW,
AND CONSERVATIVE USE OF SUCH WATER
CALENDAR YEAR 1964
STATE OF CALIFORNIA**

V(8)
Supplemental Sheet 2 of 5
Other users pumping from
Colorado River and wells
in flood plain

Water User	(Acres-Feet)												Totals	
	January	February	March	April	May	June	July	August	September	October	November	December		
Wagon Wheel Cattle Co. 3 pumps Sec. 6, T. 5 S., R. 24 E., SBM														3,096
Wagon Wheel Cattle Co. 2 pumps Sec. 7, T. 5 S., R. 24 E., SBM														2,100
Anderson Development Incorporation 1 pump Sec. 13, T. 9 S., R. 21 E., SBM	72	76	30	186	270	586	192	247	145	10	195	0	0	2,194.9
Harvey, R. E. & McMillan, Hugh 1 pump Accretion to Sec. 14, T. 1 S., R. 24 W., C&SRM	0	0	556	0	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														780
Milpitas Cattle Co. 2 pumps Sec. 25, T. 10 S., R. 21 E., SBM														3,480
Subtotal - Records of monthly distribution available Davis Dam to Imperial Dam	72	76	586	186	270	526	192	247	145	10	195	0	0	2,505
Subtotal - Records of monthly distribution not available Davis Dam to Imperial Dam	933	1,463	1,691	1,661	1,753	1,987	2,199	1,974	1,673	1,120	689	699	0	4/17,802
Cole, D. C. 1 pump and 1 well Sec. 35, T. 15 S., R. 23 E., SBM														636
O'Neal, W. H. 1 well Sec. 35, T. 15 S., R. 23 E., SBM														378
Raygood, D. W. 1 well Sec. 2, T. 16 S., R. 23 E., SBM														612
O'Neal, W. H. 1 pump Sec. 3, T. 16 S., R. 23 E., SBM														198

See footnotes on Sheet 5

Revised February 15, 1967

**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

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

See footnotes on Sheet 5

Revised February 15, 1967

**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

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

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

Water User	(Acres-Feet)												
	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Burtin, W. W. 1 pump Sec. 29, T. 16 S., R. 22 E., SRW													474
Lewis, Joe 1 well Sec. 29, T. 16 S., R. 22 E., SRW													180
Subtotal - Records of monthly distribution not available. Imperial Dam to Boundary	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	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.

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

CALENDAR YEAR 1964

STATE OF NEVADA

V(8)

(Final Records)
(Acres-Foot)

Water User	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Boulder City	99	106	142	187	239	298	375	349	275	224	122	97	2,513
(Diversion at Hoover Dam)													
Diversion	16	17	25	28	44	59	66	69	53	52	30	20	479
Return													
Consumptive Use													
Lake Mead National Recreation Area	1,197	1,040	1,021	1,370	1,401	1,526	1,725	1,739	1,499	1,430	1,064	1,133	16,165
(Diversion from Lake Mead)													1/
Diversion													
Return													
Consumptive Use													
Basic Management Inc.	0	0	0	0	769	1,363	1,711	1,330	697	9	0	0	5,879 2/
(Diversion at Saddle Island, Lake Mead)													
Diversion													
Return													
Consumptive Use													
Las Vegas Valley Water District	18	16	17	14	14	8	33	30	24	23	24	40	261
(Diversion at Saddle Island, Lake Mead 2/)													3/
Diversion													
Return													
Consumptive Use													
Fibreboard Paper Products Corp.	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
(Diversion at Gypsum Wash, Lake Mead)													
Diversion													
Return													
Consumptive Use													
NEVADA TOTALS													

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.