

COLORADO RIVER BASIN PROJECT

IMPERIAL IRRIGATION DISTRICT

T-1019.—DISTRIBUTION OF PRESENT USES, IMPERIAL UNIT, 1959-66

	1959	1960	1961	1962	1963	1964	1965	1966	Average, 8 yr.
To Imperial Irrigation District at Pilot Knob.....thousand acre-feet..	2,898	3,060	3,036	3,006	3,062	2,808	2,688	2,886	2,930
Loss, Pilot Knob to drop 1 (Imperial Irrigation District).....do.....	58	76	79	55	71	37	64	69	64
Loss, drop 1 to EHL.....do.....	36	51	46	41	44	35	43	49	43
Loss, EHL to WSM.....do.....	13	23	24	28	35	18	19	21	23
Gross AA canal loss.....do.....	107	150	149	124	150	90	126	139	129
Canal loss and regulation ¹do.....	453	528	394	366	332	283	223	249	341
Total, all Imperial Irrigation District Losses.....do.....	560	478	543	490	482	373	349	388	470
Spill for system regulation.....do.....	88	86	78	70	67	36	27	28	60
Total for system regulation and canal loss.....do.....	648	664	621	560	549	409	376	416	530
Total deliveries to users ²do.....	2,250	2,396	2,415	2,446	2,513	2,399	2,312	2,470	2,400
System efficiency.....percent.....	77.7	78.3	79.5	81.4	82.1	85.4	86.0	85.6	82
Gross area of crops.....thousand acres..	564	540	526	525	547	548	554	581	548
Net acreage irrigated.....do.....	440	434	436	430	430	432	432	437	434
Delivered to users:									
Acre-feet per acre of crop.....	3.99	4.44	4.59	4.66	4.59	4.38	4.17	4.25	4.38
Acre-feet per acre irrigated.....	5.11	5.52	5.54	5.69	5.84	5.55	5.35	5.65	5.53
At Pilot Knob: Acre-feet per acre irri- gated.....	6.59	7.05	6.96	6.99	7.12	6.50	6.22	6.60	6.75

¹ Canal loss and regulation includes seepage, transpiration, and evaporation losses, unmeasured deliveries to some 1,500 or more service pipes, deliveries to farm homes, and farms less than 2 acres.

² Deliveries to users and canal loss and regulation have been corrected to allow for estimated 10 percent undermeasure-
ment of deliveries for years 1959 through 1963.

T-1020.—WATER DISTRIBUTION, 1959-66

[In thousands of acre-feet]

Year	Received at Pilot Knob	Operational loss			Canal loss and regulation ¹				Delivered to users ¹
		Main canals	Lateral canals	Total	A.A.C.	Main canals	Lateral canals ¹	Total	
1959.....	2,898	30	58	88	107	245	208	560	2,250
1960.....	3,060	28	58	86	150	232	196	578	2,396
1961.....	3,036	24	54	78	149	206	188	543	2,415
1962.....	3,006	20	50	70	124	190	176	490	2,446
1963.....	3,062	19	48	67	150	186	146	482	2,513
1964.....	2,808	12	24	36	90	81	202	373	2,399
1965.....	2,688	11	16	27	126	67	156	349	2,312
1966.....	2,886	12	16	28	139	76	173	388	2,470
8-year average..	2,930	20	40	60	129	160	181	470	2,400

¹ Canal loss and regulation and deliveries to users have been corrected to allow for estimated 10-percent undermeasure-
ment of deliveries for years 1959 through 1963.