

Compilation of Records of Surface Waters of the United States through

September 1950

Part 9. Colorado River Basin

Water Branch

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ER 1313

GEOLOGICAL SURVEY WATER-SUPPLY PAP



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Yearly discharge, in second-feet, of Verde River below Bartlett Dam, Ariz.--Continued

Year	W.S.P. no.	Water year ending Sept. 30					Calendar year	
		Momentary maximum		Minimum day	Mean	Runoff in acre-feet	Mean	Runoff in acre-feet
		Discharge	Date					
1901	73,75	-	-	29	433	313,200	417	301,800
1902	73,1049	-	-	-	292	211,100	304	220,200
1903	100,1049	-	-	-	580	419,900	576	417,400
1904	133	-	-	32	381	276,700	371	269,700
1905	175	-	-	119	2,167	1,569,000	2,516	1,821,000
1906	211	96,000	Nov. 27, 1905	105	1,246	901,700	1,108	802,300
1907	249	-	-	144	1,188	860,000	1,033	748,000
1908	249	-	-	98	628	455,700	828	601,200
1909	269	-	-	116	1,054	763,400	805	582,700
1910	289	-	-	-	655	474,100	662	479,300
1911	309	-	-	-	918	664,400	999	724,200
1912	329	-	-	-	621	452,200	572	415,100
1913	359,1049	-	-	46	523	378,800	494	357,700
1914	389	-	-	78	546	395,400	580	420,100
1915	409,1213	-	-	95	41,202	*870,400	*1,166	*844,000
1916	(b)	-	-	115	*1,759	*1,277,000	*1,808	*1,312,000
1917	459,1049	-	-	128	1,234	893,200	1,180	854,200
1918	479,1049	-	-	112	690	499,800	711	514,400
1919	509	-	-	80	719	512,100	1,152	833,800
1920	509	-	-	117	1,744	1,266,000	1,346	977,400
1921	529	-	-	80	428	309,600	523	378,900
1922	549	-	-	120	1,082	783,200	1,042	754,300
1923	569	-	-	88	742	537,300	999	722,900
1924	589	-	-	72	754	547,500	429	311,400
1925	609,1049	120,000	Sept. 17, 1925	111	364	263,500	416	301,000
1926	629,1049	132,000	Apr. 6, 1926	96	708	512,700	658	476,400
1927	649,1049	170,000	Feb. 17, 1927	108	1,130	818,200	1,139	821,500
1928	669	114,000	Feb. 5, 1928	85	432	313,900	419	301,100
1929	689,1049	126,000	Apr. 5, 1929	88	539	390,400	521	377,300
1930	704	18,100	Aug. 9, 1930	60	396	286,600	435	314,600
1931	719	134,000	Feb. 14, 1931	77	557	403,400	614	444,200
1932	734	153,000	Feb. 9, 1932	100	1,150	835,000	1,070	776,400
1933	749	11,660	Mar. 13, 1933	74	303	219,700	295	213,400
1934	764	3,300	Aug. 25, 1934	69	227	164,200	232	167,600
1935	789	14,300	Feb. 7, 1935	79	698	505,500	699	506,400
1936	809	12,000	Feb. 24, 1936	64	396	287,400	400	290,400
1937	829	63,000	Feb. 7, 1937	92	1,131	819,200	1,121	811,300
1938	859	95,000	Mar. 4, 1938	84	602	436,000	608	440,500
1939	879	2,120	Sept. 11, 1939	58	345	250,100	373	279,300
1940	899	2,120	Mar. 9, 1940	3	329	238,900	345	250,500
1941	929	45,800	Mar. 15, 1941	5	1,588	1,150,000	1,529	1,107,000
1942	959	1,920	Apr. 3, 1942	2	406	293,900	402	291,300
1943	979	1,780	Mar. 17, 1943	0	391	282,800	392	284,000
1944	1009	2,940	Mar. 29, 1944	4	604	438,500	614	445,400
1945	1039	1,060	Sept. 10, 1945	.4	547	395,900	543	393,100
1946	1059	1,990	Dec. 29, 1945	2	263	190,400	269	194,700
1947	1089	1,050	Mar. 15, 1947	6	265	191,700	292	211,500
1948	1119	2,200	Dec. 28, 1947	2	328	237,800	284	206,200
1949	1149	2,910	Mar. 24, 1949	3	711	515,100	719	520,700
1950	1179	1,640	Feb. 23, 1950	7	330	239,000	-	-

* Revised.

† Not previously published.

b Water-Supply Papers 439,1049,1213.

786. Diversion for city of Phoenix from Verde River, at McDowell, Ariz.

Location.--Lat 33°33', long. 111°40', in SE $\frac{1}{4}$ sec. 6, T. 2 N., R. 7 E., near mouth of Verde River, 1 mile downstream from pump on river, 6 miles downstream from infiltration galleries, and 6.1 miles south of McDowell.

Determination of discharge.--Computed from records of Sparling meter on pipeline since May 1950.

February 1922 to December 1928 and April to May 1929, computed on basis of records of water consumption and pumping.

January 1929 to May 1950, except for April and May 1929, computed on basis of water-stage recorder and weir 2 miles upstream.

Remarks.--Water is pumped from infiltration galleries and shallow wells, and since May 1950, also directly from Verde River. Infiltration galleries and shallow wells are on right bank in SE $\frac{1}{4}$ sec. 6, T. 3 N., R. 7 E., three-quarters of a mile downstream from McDowell and 6 $\frac{1}{4}$ miles upstream from mouth of river; pump taking water directly from river is located in SE $\frac{1}{4}$ sec. 31, T. 3 N., R. 7 E., 6 miles downstream from McDowell and 1 mile upstream from mouth. Water is carried 29 miles by pipe line for municipal supply of Phoenix. Waste below point of measurement is negligible.

Cooperation.--Records collected by city of Phoenix and furnished by Salt River Valley Water Users' Association.