

TABLE 10.—Monthly and annual runoff at Grinnell Creek near Many Glacier, Mont.

[Gage installed in July 1949. Lat 48°46.2'N., long 113°41.9'W.; elevation 4,925 feet; drainage area 2,221 acres (3.47 mi<sup>2</sup>). Water year begins previous Oct. 1 and ends Sept. 30. Acre-foot: the quantity of water required to cover an acre to the depth of 1 foot, equivalent to 43,560 cubic feet; runoff in inches: the depth to which the drainage area would be covered if all the runoff during the period were uniformly distributed on it. Source of data (U.S. Geological Survey, 1959, 1964, 1971, 1976), by water year: 1950, Water-Supply Paper 1308, p. 34; 1961-60, Water-Supply Paper 1728, p. 17; 1961-1965, Water-Supply Paper 1913, p. 35-38; 1966-69, Water-Supply Paper 2113, p. 25-27]

Water year	Runoff (acre-feet) during month												Total runoff	
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Acre-ft	Inches
1950-----	687	758	261	61	56	83	373	1,890	5,820	5,390	2,750	1,210	19,340	104.4
1951-----	1,940	770	516	128	113	76	803	2,950	3,500	4,410	2,160	1,650	19,020	102.6
1952-----	1,650	252	162	45	45	48	1,130	3,030	3,700	3,000	2,170	998	16,230	87.7
1953-----	348	57	54	457	273	155	487	2,350	5,260	4,810	2,570	1,150	17,970	97.2
1954-----	369	425	310	160	140	149	473	3,090	4,740	5,730	3,090	1,810	20,490	110.7
1955-----	1,100	661	256	153	42	52	248	1,320	5,550	4,710	2,320	1,040	17,450	94.3
1956-----	1,860	512	302	139	36	78	543	3,260	4,900	3,740	2,390	1,180	18,940	102.4
1957-----	942	239	161	106	42	145	381	4,400	4,110	2,720	1,860	974	16,080	86.9
1958-----	577	258	107	75	127	122	319	4,540	3,910	2,720	2,270	1,470	16,500	89.2
1959-----	858	486	285	314	145	113	774	1,990	5,510	4,310	2,260	2,280	19,320	104.4
1960-----	1,500	399	115	83	104	268	591	1,770	4,910	4,180	2,080	1,190	17,190	92.8
1961-----	599	336	103	58	67	66	525	3,120	6,280	3,500	2,360	944	17,960	97.0
1962-----	2,530	403	110	81	97	40	1,060	2,660	3,800	2,820	2,170	935	16,630	89.9
1963-----	1,050	664	403	118	294	120	460	2,570	4,950	3,650	2,170	1,530	17,980	97.1
1964-----	696	345	111	38	79	75	181	2,090	7,270	4,420	2,000	1,300	18,600	100.5
1965-----	1,250	327	199	154	143	82	577	2,470	5,990	4,130	2,560	987	18,870	101.9
1966-----	724	523	277	149	112	160	612	3,660	4,510	4,010	1,940	1,300	17,980	97.2
1967-----	648	479	363	289	256	178	160	3,170	6,390	5,350	2,640	1,460	21,380	115.5
1968-----	928	869	261	374	274	488	403	3,360	7,140	4,740	2,340	2,930	24,100	130.2
1969-----	985	643	331	124	105	66	1,100	3,310	4,730	3,120	1,860	1,200	17,580	95.0
Maximum--	2,530	869	516	457	294	488	1,130	4,540	7,140	5,730	3,090	2,930	24,100	130.2
Minimum--	348	57	54	38	36	40	160	1,320	3,500	2,720	1,860	935	16,080	86.9
Mean-----	1,062	470	234	155	128	128	556	2,850	5,148	4,073	2,298	1,377	18,480	99.8
Percent of mean annual--	5.8	2.5	1.3	0.8	0.7	0.7	3.0	15.4	27.9	22.0	12.4	7.5	100.0	--