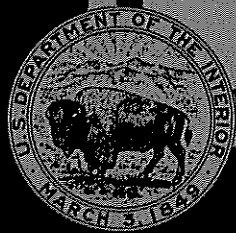


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1964

Surface Water Records
of
Nevada



UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY

Prepared in cooperation with the State of Nevada
and with other agencies

SPRING VALLEY

10-2437, Clevel Creek near Ely, Nev.

Location--Lat 39°12'50", long 114°32'20", in N¹/₂ sec. 34, T.16 N., R.66 E., on right bank 2 miles downstream from North Fork, 4 miles southwest of Cleveland Ranch headquarters, and 18 miles east of Ely.

Drainage area--31.8 sq mi.

Records available--June 1914 to December 1916 (published as Cleveland Creek near Osceola), October 1959 to September 1964. Gage--Water-stage recorder. Altitude of gage is about 6,200 ft (from topographic map). June 1914 to December 1916 staff gage at site about 3 miles downstream at different datum.

Average discharge--7 years 8.35 cfs (6,050 acre-ft per year).

Extremes--Maximum discharge during year, 38 cfs May 20 (gage height, 2.12 ft); maximum gage height, 2.30 ft Jan. 14, 15 (backwater from ice); minimum daily discharge, 5.0 cfs Jan. 11-13, Feb. 26. 1914-16, 1959-64: Maximum discharge, 56 cfs Aug. 24, 1961, June 13, 1963 (gage height, 2.48 ft); maximum gage height, 3.23 ft, Jan. 7, 1961 (backwater from ice); minimum discharge, 2.3 cfs Feb. 27, 1960.

Remarks--Records good except those for periods of ice effect or no gage-height record, which are fair. No diversion above station. Practically entire flow diverted for irrigation by Cleveland Ranch below station.

Rating table, except periods of ice effect (gage height, in feet, and discharge, in cubic feet per second)

1.6 4.7
1.7 7.4
1.8 12
2.0 24
2.2 42

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1963 TO SEPTEMBER 1964

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1	6.3	6.3	6.3	7.1	7.4	5.8	7.9	10	18	9.7	7.0	7.0
2	6.3	6.3	6.3	7.1	6.0	6.0	7.1	11	18	9.7	7.0	7.0
3	6.3	6.3	6.3	6.0	6.5	6.5	6.3	11	18	9.7	7.0	7.0
4	6.3	6.3	6.3	6.0	6.0	6.3	6.3	11	18	8.8	6.9	6.8
5	6.3	6.3	6.3	6.5	6.4	6.0	6.6	11	18	8.8	6.9	6.7
6	6.3	6.3	6.6	6.5	6.5	6.0	6.3	11	18	8.8	8.1	6.7
7	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
8	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
9	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
10	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
11	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
12	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
13	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
14	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
15	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
16	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
17	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
18	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
19	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
20	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
21	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
22	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
23	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
24	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
25	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
26	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
27	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
28	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
29	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
30	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
31	6.3	6.3	6.6	6.0	6.5	6.0	6.3	11	18	8.8	8.1	6.7
TOTAL	197.4	197.5	199.3	201.6	181.3	195.2	232.2	461	1,220	877	498	193.6
MEAN	6.37	6.52	6.43	6.50	6.25	6.30	7.74	14.7	21.5	14.7	8.10	7.14
AC-FT	392	388	395	400	360	387	461	1,220	877	498	439	384

* Discharge measurement made on this day.
a No gage-height record.
b Stage-discharge relation affected by ice.

CALENDAR YEAR 1963
MAX 44
MIN 35
MEAN 9.12
AC-FT 6.301