

United States Department of the Interior  
Geological Survey - Water Resources Division

SURFACE WATER RECORDS  
OF NEVADA

1964

Prepared in cooperation with

Nevada Department of Conservation and Natural Resources  
Nevada Department of Highways  
California Department of Water Resources  
Corps of Engineers, U. S. Army  
Bureau of Reclamation, U. S. Department of the Interior

Copies of this report may be obtained from  
District Chief, Water Resources Division  
U. S. Geological Survey  
222 E. Washington Street  
Carson City, Nevada 89701

10-2437. Cleve Creek near Ely, Nev.

Location.--Lat 39°12'50", long 114°32'20", in NW<sup>1</sup> 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	2.0	24
1.7	7.4	2.2	42
1.8	12		

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	b5.8	7.9	10	18	9.7	7.0	7.0
2	6.3	6.3	6.0	7.1	7.1	6.0	7.1	11	18	9.7	6.9	7.0
3	6.3	6.3	b6.0	b7.0	b6.5	b5.8	6.3	11	18	9.2	6.9	7.0
4	6.3	6.3	b6.0	b6.8	b6.0	b5.8	6.3	11	18	8.8	6.9	6.8
5	6.6	6.3	b6.3	b6.4	6.0	b6.3	6.6	11	18	8.8	9.7	6.7
6	6.3	6.6	6.6	b6.5	b5.5	b6.0	6.3	11	18	8.8	8.1	6.7
7	*6.3	6.6	6.0	b5.8	b6.0	b5.8	6.3	11	19	8.3	7.6	6.7
8	6.3	6.6	6.6	b5.5	b6.5	b5.8	6.3	12	*19	8.3	7.1	6.7
9	6.3	6.3	6.6	a6.0	b6.8	b5.5	6.3	14	18	8.3	6.9	*6.6
10	6.3	6.3	6.6	a5.5	b6.8	b5.8	6.9	16	16	*8.6	7.2	6.5
11	6.3	6.3	b5.6	a5.0	7.1	b6.0	6.9	16	16	8.8	7.3	5.5
12	6.6	6.3	a6.0	a5.0	b6.9	6.0	6.9	16	15	8.6	7.2	6.5
13	6.6	*6.6	a6.5	a5.0	b*6.5	6.3	6.9	18	14	8.6	7.9	6.5
14	6.6	6.6	a6.5	a5.5	b6.4	b6.0	7.1	*22	14	8.4	7.4	6.7
15	6.3	7.1	a6.5	a5.5	b6.5	6.0	7.9	25	14	8.0	7.1	6.7
16	6.3	6.9	a6.5	a6.0	b7.0	6.6	*8.8	28	14	7.8	7.1	6.3
17	6.3	6.9	*6.6	*7.4	b6.9	*6.0	8.8	29	16	7.8	7.0	6.3
18	6.3	6.6	6.3	7.4	b6.3	6.3	8.8	30	14	7.7	7.0	6.3
19	6.3	6.6	6.6	7.4	6.0	6.3	9.2	31	14	7.6	7.0	6.4
20	6.6	6.6	6.6	7.4	b5.8	b6.2	9.2	32	14	7.5	*6.9	6.4
21	6.3	6.9	6.3	b7.0	b6.2	6.6	9.2	35	13	7.8	7.0	6.4
22	6.3	6.3	b6.0	b6.4	b5.8	6.6	8.8	35	12	7.7	6.8	6.5
23	6.6	6.6	b6.0	b6.0	b5.6	6.6	8.8	34	12	7.7	6.8	3.2
24	6.6	6.6	b6.0	b5.5	b5.8	b6.2	8.8	30	12	7.5	6.8	6.2
25	6.3	6.6	6.9	b7.0	b5.6	b5.8	8.3	29	12	7.5	6.7	3.0
26	6.3	6.6	6.9	7.4	b5.0	6.6	7.9	28	12	7.6	6.8	6.1
27	6.3	6.6	6.9	7.4	b5.5	6.6	7.4	26	12	7.5	6.8	6.1
28	6.3	6.3	6.9	7.4	b5.8	6.9	7.9	24	11	7.3	6.7	6.1
29	6.3	6.3	6.9	7.4	b6.0	7.1	8.3	23	11	7.1	6.8	6.0
30	6.3	6.3	b6.9	7.4	-----	7.1	10	20	10	7.0	7.0	5.7
31	6.3	-----	6.9	7.4	-----	8.8	-----	19	-----	7.1	7.0	-----
TOTAL	197.4	195.5	199.3	201.6	181.3	195.2	232.2	668	442	251.1	221.4	193.6
MEAN	6.37	6.52	6.43	6.50	6.25	6.30	7.74	21.5	14.7	8.10	7.14	6.45
AC-FT	392	388	395	400	360	387	461	1,320	877	498	439	384

CALENDAR YEAR	1963	MAX	44	MIN	3.5	MEAN	9.12	AC-FT	6,605
WATER YEAR	1963-64	MAX	35	MIN	5.0	MEAN	8.69	AC-FT	6,301

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