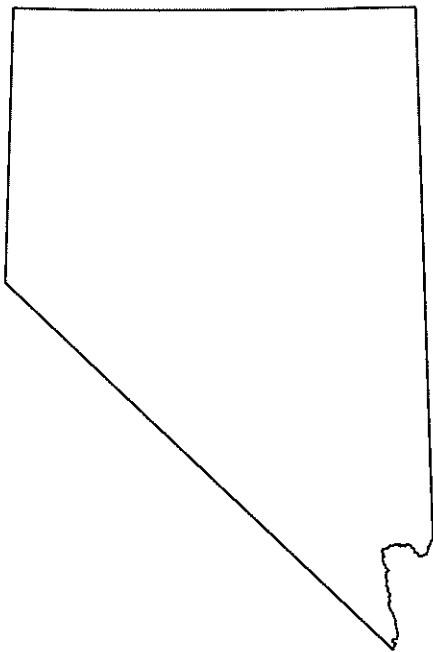


Prepared in cooperation with the State of Nevada and with other agencies

Water Resources Data Nevada Water Year 2004



Water-Data Report NV-04-1

CENTRAL NEVADA DESERT BASINS, SPRING-STEPTOE VALLEYS

10243700 CLEVE CREEK NEAR ELY, NV

LOCATION.--Lat 39°12'59.68", long 114°31'46.7" referenced to North American Datum of 1983, in SE ¼ SE ¼ sec. 27, T.16 N., R.66 E., White Pine County, Hydrologic Unit 16060008, on right bank, 2.3 mi downstream from North Fork, 4 mi southwest of Cleveland Ranch headquarters, and 18 mi east of Ely.

DRAINAGE AREA.--31.8 mi².

PERIOD OF RECORD.--June 1914 to December 1916 (published as Cleveland Creek near Osceola), October 1959 to September 1967, October 1976 to September 1981, December 1982 to September 1987, March 1990 to current year. Crest-stage partial-record station October 1967 to September 1976.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above National Geodetic Vertical Datum of 1929, from topographic map. October 1, 1967, to September 30, 1976, crest-stage gage at same site and datum. Prior to September 13, 1984, at site ¼ mi upstream, at different datum. Prior to April 18, 1985, at different datum. Prior to October 4, 1985, at datum 2.00 ft lower. From November 19, 1986, at site 75 ft downstream at datum, 5.2 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion above station. Practically entire flow diverted for irrigation by Cleveland Ranch below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 440 ft³/s, May 30, 1983, gage height, unknown; minimum daily, 2.7 ft³/s, December 22, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 7	0915	*15	*1.70				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	5.5	5.0	e5.4	e4.0	e4.8	8.8	9.7	9.3	5.8	5.1	4.9
2	5.7	5.4	5.0	e5.5	e4.1	4.8	9.1	9.7	9.2	5.8	5.3	4.9
3	5.8	5.5	4.9	e5.5	e4.1	5.0	10	11	9.2	5.8	5.0	6.3
4	5.7	5.4	4.7	e5.6	e4.1	4.9	9.6	12	9.2	5.8	5.1	5.5
5	5.8	5.4	4.9	e5.6	e4.1	4.9	9.5	13	9.2	5.7	5.1	5.3
6	5.7	5.4	4.7	e5.6	e4.1	5.1	9.8	14	9.2	5.6	5.0	5.1
7	5.6	5.4	4.8	e5.6	e4.1	5.6	9.8	14	9.2	5.6	5.0	5.0
8	5.4	5.3	4.6	5.6	e4.1	6.0	9.7	14	9.1	5.6	5.0	5.0
9	5.4	5.3	4.5	5.6	e4.1	6.4	9.6	14	9.0	5.5	5.0	5.0
10	5.4	5.1	e4.5	5.4	e4.2	6.6	9.5	14	9.1	5.5	5.2	5.0
11	5.6	5.1	e4.5	5.1	e4.3	6.6	9.5	14	8.8	5.5	4.8	5.1
12	5.7	5.1	e4.5	4.9	e4.3	6.8	9.3	14	8.6	5.4	5.0	5.1
13	5.6	5.4	e4.4	4.9	e4.3	6.8	9.4	13	8.2	5.4	5.1	5.0
14	5.6	5.3	e4.4	4.8	e4.4	7.2	9.5	13	8.1	5.4	5.1	5.0
15	5.6	5.2	e4.2	4.6	e4.5	7.5	9.5	12	8.0	5.5	5.2	5.0
16	5.6	5.3	e4.0	4.4	e4.6	7.5	9.5	12	8.0	5.6	5.4	4.9
17	5.4	5.1	e4.5	4.5	4.6	7.7	9.5	11	8.7	5.7	5.6	4.9
18	5.4	5.1	e4.8	4.7	4.6	7.9	9.5	11	7.3	5.5	5.6	4.9
19	5.5	5.1	e4.9	4.9	4.7	8.5	9.4	11	6.8	5.5	5.5	5.1
20	5.6	5.0	4.9	4.9	4.6	8.8	9.0	11	6.7	5.3	5.8	5.3
21	5.6	5.0	4.9	5.1	4.7	9.3	9.0	11	6.7	5.3	5.4	5.3
22	5.7	4.5	4.7	e5.2	4.7	9.5	8.9	11	6.6	5.4	5.2	5.3
23	5.6	4.2	4.6	e5.2	4.7	9.4	8.6	11	6.6	5.4	5.3	5.2
24	5.4	e4.8	4.7	e5.2	4.6	9.5	8.4	10	6.5	5.3	5.4	5.1
25	5.7	e4.9	5.0	e5.2	4.7	9.4	8.4	10	6.4	5.2	5.2	5.1
26	5.3	e4.9	e5.0	e5.2	4.9	9.4	8.5	9.8	6.3	5.2	5.1	5.0
27	5.2	4.9	e5.0	e5.2	4.8	9.0	8.9	9.6	6.2	5.4	5.1	5.1
28	5.2	5.3	e5.0	5.2	4.7	8.7	9.4	9.6	6.2	5.3	5.1	5.1
29	5.1	5.2	e5.1	5.1	e4.8	8.2	9.9	9.7	6.2	5.1	5.0	5.2
30	5.2	5.1	e5.2	4.6	---	8.1	9.8	9.6	5.9	5.0	5.0	5.3
31	5.4	---	e5.3	e4.1	---	8.3	---	9.4	---	5.0	4.9	---
TOTAL	171.1	154.2	147.2	158.4	128.5	228.2	279.3	358.1	234.5	169.1	160.6	154.0
MEAN	5.52	5.14	4.75	5.11	4.43	7.36	9.31	11.6	7.82	5.45	5.18	5.13
MAX	5.8	5.5	5.3	5.6	4.9	9.5	10	14	9.3	5.8	5.8	6.3
MIN	5.1	4.2	4.0	4.1	4.0	4.8	8.4	9.4	5.9	5.0	4.8	4.9
AC-FT	339	306	292	314	255	453	554	710	465	335	319	305

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2004, BY WATER YEAR (WY)

MEAN	7.27	7.20	6.76	6.49	6.80	8.42	12.2	22.0	23.0	10.5	7.92	7.27
MAX	16.8	15.3	12.9	11.5	11.8	15.4	30.3	82.9	117	30.0	21.1	16.2
(WY)	(1985)	(1985)	(1985)	(1984)	(1984)	(1984)	(1984)	(1983)	(1983)	(1983)	(1983)	(1983)
MIN	4.54	4.53	4.27	4.05	4.42	4.58	5.20	6.85	5.63	4.60	3.99	3.75
(WY)	(1993)	(1962)	(1961)	(1960)	(1960)	(1991)	(1991)	(1990)	(1992)	(1992)	(1960)	(1960)

CENTRAL NEVADA DESERT BASINS, SPRING-STEPTOE VALLEYS

10243700 CLEVE CREEK NEAR ELY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1914 - 2004	
ANNUAL TOTAL	2,664.5		2,343.2			
ANNUAL MEAN	7.30		6.40		10.0	
HIGHEST ANNUAL MEAN					22.2	1984
LOWEST ANNUAL MEAN					5.15	1960
HIGHEST DAILY MEAN	26	May 28	14	May 6	280	May 30, 1983
LOWEST DAILY MEAN	3.9	Feb 9	4.0	Dec 16	2.7	Dec 22, 1990
ANNUAL SEVEN-DAY MINIMUM	4.4	Dec 10	4.1	Jan 31	3.4	Dec 18, 1990
MAXIMUM PEAK FLOW			15	May 7	440	May 30, 1983
MAXIMUM PEAK STAGE			1.70	May 7	1.98	May 14, 2001
ANNUAL RUNOFF (AC-FT)	5,290		4,650		7,250	
10 PERCENT EXCEEDS	12		9.6		17	
50 PERCENT EXCEEDS	5.6		5.4		7.3	
90 PERCENT EXCEEDS	4.9		4.6		4.9	

e Estimated