



Water-Data Report NV-2005

10243700 CLEVE CREEK NEAR ELY, NV

CENTRAL NEVADA DESERT BASINS, SPRING-STEPTOE VALLEYS

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Jun 1914 to Dec 1916 (published as Cleveland Creek near Osceola), Oct 1959 to Sep 1967, Oct 1976 to Sep 1981, Dec 1982 to Sep 1987, Mar 1990 to current year. Crest-stage partial-record station Oct 1967 to Sep 1976.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above National Geodetic Vertical Datum of 1929, from topographic map. Oct 1, 1967, to Sep 30, 1976, crest-stage gage at same site and datum. Prior to Sep 13, 1984, at site ¼ mi upstream, at different datum. Prior to Apr 18, 1985, at different datum. Prior to Oct 4, 1985, at datum 2.00 ft lower. From Nov 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; Maximum gage height 2.75 ft, May 24, 2005; minimum daily, 2.7 ft³/s, Dec 22, 1990.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 24	0200	*158	*2.75
Jun 18	0400	75	2.16

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.6	6.9	e4.8	6.0	8.5	8.5	11	32	108	41	17	12
2	5.7	6.9	5.0	6.1	8.4	8.4	11	33	110	40	17	12
3	5.5	6.7	5.5	5.9	8.1	8.4	11	34	103	39	17	12
4	5.4	6.6	e5.8	6.0	7.8	8.4	12	36	90	37	16	12
5	5.4	6.5	e6.0	5.8	7.9	8.6	12	40	82	36	16	12
6	5.4	6.5	6.2	6.1	7.9	8.7	12	46	79	35	16	12
7	5.4	6.5	6.3	e6.5	7.9	9.1	14	44	73	33	15	12
8	5.4	8.2	6.1	e6.6	e7.8	9.9	16	42	70	32	15	12
9	5.4	7.5	6.1	6.7	e7.5	11	15	42	65	31	15	12
10	5.5	7.1	5.9	6.7	e7.5	12	15	44	62	30	15	12
11	5.7	6.9	6.0	e6.5	7.5	14	15	43	59	29	15	12
12	5.6	7.0	6.1	6.5	7.4	16	17	41	56	29	14	12
13	5.5	6.9	6.1	e6.5	7.3	17	20	40	55	28	14	12
14	5.5	7.0	6.0	6.4	7.3	16	22	40	56	27	14	12
15	5.5	6.9	6.0	6.5	7.3	15	23	43	59	27	14	11
16	5.5	6.8	6.0	6.8	7.3	14	24	50	62	26	14	11
17	5.8	6.7	5.9	7.3	7.2	13	28	57	65	25	14	11
18	6.2	6.6	6.0	7.9	7.7	12	30	57	71	24	14	11
19	6.0	6.6	6.0	8.3	7.9	12	30	67	58	23	14	11
20	8.5	6.4	6.0	9.1	8.2	11	28	87	55	23	13	12
21	6.7	6.3	5.8	9.8	8.5	11	27	110	55	22	13	13
22	6.3	6.2	5.2	10	8.7	11	26	118	57	22	13	12
23	6.1	6.2	4.8	9.9	8.9	11	27	128	56	22	13	12
24	6.4	6.0	5.3	10	8.7	11	30	139	59	22	13	12
25	7.0	5.9	6.3	10	8.6	10	31	133	54	21	13	11
26	7.4	5.8	6.3	10	8.6	10	31	124	52	20	13	11
27	8.9	6.1	6.0	e9.6	8.6	11	31	119	49	19	12	12
28	8.4	5.5	5.9	e9.2	8.6	12	31	120	47	18	12	11
29	7.9	4.4	6.1	e8.8	---	11	31	121	44	17	12	11
30	7.7	e4.6	6.0	e8.2	---	11	31	118	42	17	12	11
31	7.4	---	6.0	e8.5	---	11	---	116	---	17	12	---
Total	194.7	194.2	181.5	238.2	223.6	353.0	662	2,264	1,953	832	437	351
Mean	6.28	6.47	5.85	7.68	7.99	11.4	22.1	73.0	65.1	26.8	14.1	11.7
Max	8.9	8.2	6.3	10	8.9	17	31	139	110	41	17	13
Min	5.4	4.4	4.8	5.8	7.2	8.4	11	32	42	17	12	11
Ac-ft	386	385	360	472	444	700	1,310	4,490	3,870	1,650	867	696

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.24	7.18	6.73	6.53	6.83	8.51	12.5	23.5	24.2	11.0	8.09	7.39
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)

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SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1914 - 2005	
Annual total	2,441.1		7,884.2			
Annual mean	6.67		21.6		10.4	
Highest annual mean					22.2	1984
Lowest annual mean					5.15	1960
Highest daily mean	14	May 6	139	May 24	280	May 30, 1983
Lowest daily mean	4.0	Feb 1	4.4	Nov 29	2.7	Dec 22, 1990
Annual seven-day minimum	4.1	Jan 31	5.1	Nov 28	3.4	Dec 18, 1990
Maximum peak flow			158	May 24	440	May 30, 1983
Maximum peak stage			2.75	May 24	2.75	May 24, 2005
Annual runoff (ac-ft)	4,840		15,640		7,500	
10 percent exceeds	9.6		55		18	
50 percent exceeds	5.8		11		7.4	
90 percent exceeds	4.8		6.0		5.0	