

09398000 CHEVELON CREEK NEAR WINSLOW,AZ.

Little Colorado Basin
Chevelon Canyon Subbasin

LOCATION.--Lat 34°55'35", long 110°31'51" referenced to North American Datum of 1927, Navajo County, AZ, Hydrologic Unit 15020010, in SE¼ SW¼ sec. 27, T. 18N., R. 17 E, Navajo County, Hydrologic Unit 15020010, 2 miles above small diversion dam, 3 miles above mouth, 14 miles southwest of Winslow, and 500 feet on right bank downstream of bridge.

DRAINAGE AREA.--785.00 mi² of which 4 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Formerly published as Chevelon Fork near Winslow. Dec. 1905 to Dec. 1906, Jan. 1907 t Dec. 1908 (gage heights only), Dec. 1915 to Dec. 1919, Mar. 1929 to Feb. 1934, Sept. 1935 to Sept. 1972, July 2005 to current.

GAGE.--Water-stage recorder. Datum of gage is 4,889.5 ft above sea level. Prior to Dec. 12, 1908, water-stage recorder at site 1 mile upstream at different datum. Dec. 18, 1915 t Dec. 5, 1919, water-stage recorder, and Mar. 30 to July 2, 1929, non-recording gage at site 500 ft downstream at different datum.

REMARKS.--Records fair. Storage and regulation by Chevelon Canyon Lake (capacity 6,193 acre-ft) 57 mi upstream since June 1967. No known diversion above station. Chevelon Canal diverts 2 miles downstream from the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,300 ft³/s Jan. 19, 1952, gage height 19.8 ft, from rating curve extended above 2,700 ft³/s on basis of slope-area measurement of peak flow; minimum, about 1 ft³/s at times in each of several years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
July 30	2115	1,500	9.32
Aug 07	1845	*4,100	*14.04

Minimum daily discharge, 1.2 ft³/s, May 22.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.5	2.7	4.2	e3.0	3.6	3.6	4.1	2.8	2.4	2.3	71	2.7
2	2.3	2.8	3.2	e2.9	3.6	3.6	4.5	2.7	2.3	2.2	8.9	3.0
3	2.2	2.8	3.8	e2.9	3.6	3.4	4.4	2.5	2.4	2.2	3.9	3.2
4	2.0	2.9	3.9	e2.9	3.6	3.6	4.3	2.4	2.5	2.6	3.1	3.2
5	2.3	3.1	3.2	2.7	3.6	3.6	3.9	2.4	2.5	2.6	3.0	3.1
6	2.5	3.0	3.2	2.9	3.6	3.4	4.1	2.7	2.3	2.5	2.8	2.9
7	2.4	3.2	3.2	2.7	3.6	3.1	4.1	2.7	2.2	2.5	420	2.9
8	2.1	3.2	3.2	2.7	3.6	3.1	3.4	2.5	2.3	2.5	42	3.1
9	5.7	3.3	3.2	2.7	3.6	3.2	3.3	2.5	2.2	2.9	5.3	2.8
10	5.2	3.4	3.2	2.9	3.6	2.5	3.3	2.7	2.1	2.8	3.5	2.5
11	2.4	3.2	3.2	2.9	3.6	3.2	3.6	3.1	1.9	2.2	3.2	2.4
12	2.2	3.4	3.2	2.9	3.6	3.1	3.9	3.0	1.6	2.1	3.5	2.4
13	2.2	3.5	3.5	2.9	3.6	3.2	4.5	2.7	1.6	2.3	3.6	2.4
14	2.2	3.5	3.5	3.1	3.6	3.3	4.2	2.7	1.3	2.4	3.9	2.7
15	2.2	3.6	3.3	2.9	2.6	3.4	4.1	2.7	1.6	2.4	4.9	3.9
16	2.4	3.4	2.8	3.1	3.4	3.2	4.2	2.5	2.2	2.3	36	2.8
17	2.7	3.3	2.0	3.2	3.5	3.3	3.9	2.3	2.2	2.4	29	2.5
18	4.0	3.4	2.9	3.2	3.6	3.2	3.2	2.0	2.1	2.6	4.7	2.5
19	3.4	3.3	3.4	3.2	3.7	3.3	3.2	1.9	2.0	2.4	2.8	2.6
20	2.7	2.9	3.6	3.5	4.1	3.5	3.2	1.7	1.9	2.5	3.0	2.0
21	2.7	2.9	4.0	3.6	4.4	3.5	2.7	1.8	2.0	2.4	2.9	2.4
22	2.9	2.9	4.0	3.5	4.5	3.6	2.6	1.2	2.1	2.2	2.9	2.3
23	2.9	2.9	3.3	3.6	4.5	3.6	2.3	1.9	2.2	3.5	2.7	2.9
24	2.9	3.1	2.2	3.6	4.5	3.6	2.6	2.2	2.3	16	8.5	3.1
25	2.8	3.1	2.9	3.7	4.2	3.8	2.7	2.1	2.0	22	6.4	3.2
26	2.9	3.0	3.1	3.7	3.6	4.2	2.7	2.0	2.1	2.7	4.0	3.1
27	2.8	3.3	2.9	3.6	3.6	4.4	2.6	1.5	2.2	2.4	2.5	3.2
28	2.7	3.9	3.0	3.6	3.5	4.2	2.6	1.7	2.4	2.5	2.5	3.2
29	2.7	4.2	3.2	3.6	---	3.8	2.9	2.2	2.2	13	2.6	3.2
30	2.8	4.0	e3.1	3.6	---	4.4	2.8	2.5	2.3	179	3.7	3.2
31	2.8	---	e3.0	3.6	---	4.2	---	2.5	---	92	2.8	---
Total	86.5	97.2	100.4	98.9	104.1	109.1	103.9	72.1	63.4	386.4	699.6	85.4
Mean	2.79	3.24	3.24	3.19	3.72	3.52	3.46	2.33	2.11	12.5	22.6	2.85
Max	5.7	4.2	4.2	3.7	4.5	4.4	4.5	3.1	2.5	179	420	3.9
Min	2.0	2.7	2.0	2.7	2.6	2.5	2.3	1.2	1.3	2.1	2.5	2.0
Ac-ft	172	193	199	196	206	216	206	143	126	766	1,390	169

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	13.2	16.1	41.6	56.0	64.0	182	181	21.6	4.96	7.25	18.9	14.2
Max	247	155	347	663	338	828	733	211	21.4	25.0	171	182
(WY)	(1972)	(1920)	(1966)	(1952)	(1937)	(1906)	(1952)	(1941)	(1955)	(1919)	(1951)	(1970)
Min	0.25	0.25	2.81	2.60	2.74	3.52	3.46	1.06	0.58	2.35	2.93	2.47
(WY)	(1907)	(1907)	(1970)	(1970)	(1970)	(2006)	(2006)	(1906)	(1906)	(1906)	(1960)	(1942)

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SUMMARY STATISTICS

	Water Year 2006		Water Years 1906 - 2006	
Annual total	2,007.0			
Annual mean	5.50		49.4	
Highest annual mean			145	1952
Lowest annual mean			5.50	2006
Highest daily mean	420	Aug 7	10,200	Jan 19, 1952
Lowest daily mean	1.2	May 22	0.00	Sep 1, 1935
Annual seven-day minimum	1.8	Jun 9	0.00	Sep 1, 1935
Annual runoff (ac-ft)	3,980		35,760	
10 percent exceeds	4.1		108	
50 percent exceeds	3.0		4.6	
90 percent exceeds	2.2		3.0	

