Water-Data Report 2013

10301700 Weber Reservoir Near Schurz, NV

Walker Basin
Walker Subbasin

LOCATION.--Lat 39°02′41″, long 118°51′33″ referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.28, T.14 N., R.28 E., Mineral County, NV, Hydrologic Unit 16050303, approximately 8 mi above Schurz.

DRAINAGE AREA.--2,770 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Apr. 1995 to Jun. 1996; Nov. 1996 to Jun. 2008 continuous record. Jul. 2008 to Apr. 2009 end of month tape downs were conducted to compute capacity. During that period of Jul 2008 to May 2009 the dam was under reconstruction. May 2009 to the current year.

GAGE.--Water-stage recorder to Jul. 21, 2008. Non-recording gage, Jul. 21, 2008 to May 14, 2009, due to reservoir maintenance. Water-stage recorder May 14 to present. Elevation of gage is 4,221 ft above NGVD of 1929 (project datum Bureau of Indian Affairs).

REMARKS.--Reservoir is formed by earth and gravel-fill dam, constructed by Bureau of Indian Affairs (formerly U. S. Indian Service). Construction started Sep. 21, 1933. Storage began Jul. 27, 1934, although it was nearly a year later before the dam was completely finished. Capacity 10,700 acre-ft, with a surface area at 900 acres, determined from Bathymetric Survey by U. S. Geological Survey in 1973. Many diversions for irrigation above reservoir. Flow regulated by Bridgeport Reservoir (station 10292500) and Topaz Lake (station 10297000), combined capacity, 101,900 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 11,140 acre-ft, Jun 4, 8, 2012, elevation, 4,208.55 ft; minimum contents, 53 acre-ft, Aug.12, 2000, elevation 4,182.05 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 10,960 acre-ft, Apr. 15, elevation, 4,208.33 ft; minimum contents, 3,330 acre-ft, Sep. 30, elevation, 4,197.51 ft.

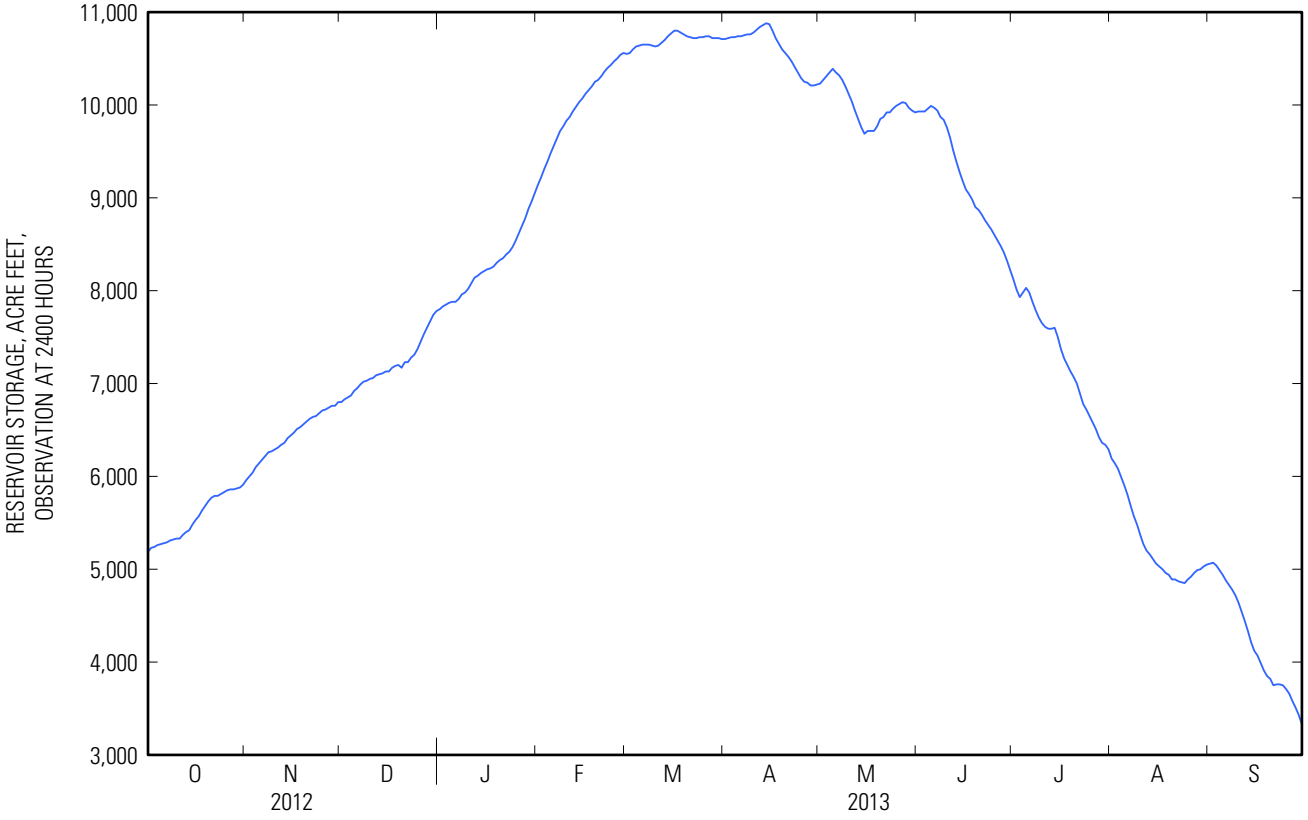
Capacity table (elevation, in feet, and contents, in acre-feet)

Elevation	Contents	Elevation	Contents
4,181	0	4,200	4,750
4,185	250	4,205	8,200
4,190	850	4,208	10,700
4,195	2,100	4,209	11,500

10301700 Weber Reservoir Near Schurz, NV—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5,190	5,960	6,800	7,800	9,140	10,550	10,710	10,230	9,930	8,120	6,190	5,060
2	5,230	6,000	6,830	7,830	9,220	10,560	10,720	10,270	9,930	8,010	6,140	5,070
3	5,240	6,040	6,850	7,850	9,310	10,600	10,730	10,310	9,930	7,930	6,080	5,040
4	5,260	6,100	6,870	7,870	9,390	10,630	10,730	10,350	9,960	7,980	5,990	4,990
5	5,270	6,140	6,920	7,880	9,480	10,640	10,740	10,390	9,990	8,030	5,900	4,940
6	5,280	6,180	6,950	7,880	9,560	10,650	10,740	10,350	9,970	7,980	5,800	4,880
7	5,290	6,220	6,990	7,910	9,640	10,650	10,750	10,320	9,940	7,880	5,680	4,830
8	5,310	6,260	7,020	7,960	9,720	10,650	10,760	10,270	9,870	7,790	5,570	4,780
9	5,320	6,270	7,030	7,980	9,770	10,640	10,760	10,200	9,840	7,710	5,480	4,720
10	5,330	6,290	7,050	8,020	9,830	10,630	10,780	10,120	9,760	7,650	5,370	4,640
11	5,330	6,310	7,060	8,080	9,870	10,640	10,810	10,040	9,650	7,610	5,270	4,540
12	5,370	6,340	7,090	8,140	9,930	10,670	10,840	9,940	9,510	7,590	5,200	4,440
13	5,400	6,360	7,100	8,160	9,980	10,700	10,860	9,850	9,390	7,590	5,160	4,330
14	5,420	6,410	7,110	8,190	10,030	10,740	10,880	9,760	9,280	7,600	5,110	4,210
15	5,480	6,440	7,130	8,210	10,070	10,770	10,870	9,690	9,180	7,500	5,060	4,120
16	5,530	6,470	7,130	8,230	10,120	10,800	10,800	9,720	9,090	7,370	5,030	4,070
17	5,570	6,510	7,170	8,240	10,160	10,800	10,720	9,720	9,040	7,270	5,000	3,990
18	5,630	6,530	7,190	8,260	10,200	10,780	10,660	9,720	8,980	7,200	4,960	3,910
19	5,680	6,560	7,200	8,300	10,250	10,760	10,600	9,770	8,900	7,130	4,940	3,850
20	5,730	6,590	7,170	8,330	10,270	10,740	10,560	9,850	8,870	7,070	4,890	3,820
21	5,770	6,620	7,230	8,350	10,310	10,730	10,520	9,870	8,820	7,000	4,890	3,750
22	5,790	6,640	7,230	8,390	10,360	10,720	10,470	9,920	8,760	6,890	4,870	3,760
23	5,790	6,650	7,280	8,420	10,400	10,720	10,410	9,920	8,710	6,780	4,860	3,760
24	5,810	6,680	7,310	8,470	10,430	10,730	10,350	9,960	8,660	6,720	4,850	3,750
25	5,830	6,710	7,370	8,540	10,470	10,730	10,290	9,990	8,600	6,650	4,890	3,710
26	5,850	6,720	7,450	8,620	10,500	10,740	10,250	10,010	8,540	6,580	4,920	3,660
27	5,860	6,740	7,530	8,700	10,540	10,740	10,240	10,030	8,480	6,510	4,960	3,580
28	5,860	6,760	7,600	8,780	10,560	10,720	10,210	10,020	8,410	6,420	4,990	3,510
29	5,870	6,760	7,670	8,880	---	10,720	10,210	9,970	8,320	6,360	5,000	3,430
30	5,880	6,800	7,740	8,960	---	10,720	10,220	9,940	8,220	6,340	5,030	3,330
31	5,910	---	7,780	9,050	---	10,710	---	9,920	---	6,290	5,050	---
Max	5,910	6,800	7,780	9,050	10,560	10,800	10,880	10,390	9,990	8,120	6,190	5,070
Min	5,190	5,960	6,800	7,800	9,140	10,550	10,210	9,690	8,220	6,290	4,850	3,330
Elevation, in feet above NGVD 1929, at end of month.												
	4,201.94	4,203.16	4,204.53	4,206.06	4,207.82	4,208.01	4,207.40	4,207.03	4,205.02	4,202.45	4,200.55	4,197.51
Change in contents, in acre-feet.												
	+690	+890	+980	+1,270	+1,510	+150	-490	-300	-1,700	-1,930	-1,240	-1,720

	Calendar Year 2012	Water Year 2013
Max	11,100	10,880
Min	5,190	3,330
Change in contents, in acre-feet.	-1,500	1,890

10301700 Weber Reservoir Near Schurz, NV—Continued