10301700 WEBER RESERVOIR NEAR SCHURZ, NV

WALKER RIVER BASIN, WALKER RIVER BASIN

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, Hydrologic Unit 16050303, approximately 8 mi above Schurz.

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

WATER-STAGE RECORDS

PERIOD OF RECORD.--Apr 1995 to Jun 1996; Nov 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,221 ft above National Geodetic Vertical Datum 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, 10,600 acre-ft, Jun 5, 1999, elevation, 4207.93 ft; minimum, 53 acre-ft, Aug 12, 2000, elevation 4182.05.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 10,300 acre-ft, Jun 2, gage height, 4,207.49 ft; minimum contents, 934 acre-ft, Oct 1, gage height, 4,190.56 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		

10301700 WEBER RESERVOIR NEAR SCHURZ, NV—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	947	1,360	1,950	2,780	4,400	5,740	5,790	5,770	10,000	6,310	6,110	3,900
2	962	1,410	1,960	2,810	4,430	5,710	5,770	5,770	10,200	6,580	6,100	3,750
3	979	1,460	1,960	2,860	4,460	5,700	5,740	5,740	9,880	6,820	6,090	3,620
4	991	1,500	1,970	2,890	4,500	5,680	5,720	5,640	9,540	6,960	6,090	3,500
5	1,010	1,540	1,970	2,930	4,540	5,660	5,710	5,630	9,310	6,940	6,050	3,370
6	1,040	1,570	1,980	2,970	4,570	5,630	5,700	5,640	9,220	6,950	5,990	3,260
7	1,060	1,600	1,980	3,000	4,610	5,610	5,700	5,580	9,050	6,870	5,930	3,230
8	1,080	1,630	1,990	3,040	4,660	5,610	5,730	5,560	8,840	6,750	5,860	3,230
9	1,100	1,660	2,010	3,080	4,690	5,610	5,750	5,590	8,650	6,710	5,770	3,200
10	1,110	1,680	2,030	3,130	4,740	5,610	5,750	5,570	8,450	6,710	5,770	3,180
11	1,130	1,700	2,080	3,200	4,790	5,620	5,770	5,530	7,970	6,720	5,780	3,180
12	1,150	1,710	2,140	3,270	4,850	5,620	5,760	5,540	7,110	6,740	5,770	3,180
13	1,170	1,730	2,190	3,320	4,890	5,620	5,770	5,590	6,930	6,670	5,710	3,190
14	1,190	1,740	2,230	3,380	4,940	5,620	5,790	5,610	6,870	6,480	5,610	3,190
15	1,210	1,760	2,260	3,440	4,990	5,650	5,830	5,590	6,710	6,220	5,510	3,180
16	1,230	1,770	2,290	3,490	5,050	5,660	5,850	5,540	6,560	6,110	5,400	3,190
17	1,240	1,790	2,320	3,550	5,100	5,670	5,870	5,520	6,780	6,100	5,310	3,230
18	1,170	1,800	2,350	3,610	5,160	5,700	5,870	5,540	7,250	6,050	5,220	3,280
19	1,080	1,810	2,390	3,690	5,220	5,710	5,890	5,810	7,440	5,910	5,150	3,320
20	1,000	1,820	2,430	3,760	5,260	5,730	5,900	6,090	7,450	5,870	5,090	3,360
21	985	1,820	2,460	3,830	5,370	5,720	5,900	6,260	7,310	5,860	5,020	3,400
22	997	1,830	2,490	3,890	5,450	5,760	5,920	6,580	7,070	5,920	4,960	3,460
23	1,010	1,840	2,510	3,950	5,520	5,790	5,910	6,690	6,180	5,870	4,890	3,510
24	1,030	1,850	2,540	4,010	5,590	5,810	5,900	7,100	5,820	5,830	4,800	3,570
25	1,040	1,870	2,560	4,060	5,680	5,850	5,880	7,910	5,760	5,790	4,670	3,640
26	1,060	1,880	2,530	4,120	5,760	5,870	5,860	8,750	5,720	5,790	4,520	3,710
27	1,090	1,920	2,590	4,180	5,770	5,930	5,840	8,900	5,770	5,810	4,390	3,810
28	1,120	1,940	2,590	4,230	5,760	5,900	5,810	8,620	5,790	5,820	4,280	3,910
29	1,170	1,940	2,620	4,270	---	5,860	5,770	8,430	5,870	5,940	4,180	4,010
30	1,240	1,950	2,650	4,320	---	5,840	5,760	8,720	6,040	6,050	4,080	4,090
31	1,310	---	2,740	4,350	---	5,810	---	9,320	---	6,110	4,000	---
Max	1,310	1,950	2,740	4,350	5,770	5,930	5,920	9,320	10,200	6,960	6,110	4,090
Min	947	1,360	1,950	2,780	4,400	5,610	5,700	5,520	5,720	5,790	4,000	3,180
Elevation, in feet above NGVD 1929, at end of month.												
	4,192.37	4,194.56	4,196.43	4,199.27	4,201.71	4,201.79	4,201.70	4,206.35	4,202.12	4,202.21	4,198.67	4,198.81
Change in contents, in acre-feet.												
	+376	+640	+790	+1,610	+1,410	+50	-50	+3,560	-3,280	+70	-2,110	+90

	Calendar Year 2004	Water Year 2005	Change in contents, in acre-feet.
Max	6,180	10,200	+785
Min	785	947	+947

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 1 of 4

[Remark codes: <, less than.]

Date	Time	Sample type	Sampling depth, feet (00003)	Calcium bed sedimnt recover-able, mg/kg (00917)	Magnesium, bed sedimnt recover-able, mg/kg (00924)	Potassium, bed sedimnt recover-able, mg/kg (00938)	Sodium, bed sedimnt recover-able, mg/kg (00934)	Sulfur, bed sed <62.5um wet svd field, total, percent (34970)	Phosphorus, bed sedimnt total, mg/kg (00668)	Total carbon, sedimnt <62.5um wsv nat field percent (49267)	Organic carbon, bed sed <62.5um wsv nat field percent (49266)	Aluminum, bed sedimnt recover-able, ug/g (01108)
Jun												
23...	1030	Bed material	.10	19,000	17,000	24,000	12,000	.14	1,200	1.3	1.2	87,000
23...	1030	Bed material	.10	19,000	17,000	24,000	12,000	.14	1,200	1.3	1.2	87,000
23...	1032	Bed material	.40	41,000	16,000	25,000	17,000	.19	1,200	1.4	.90	95,000
23...	1032	Bed material	.40	41,000	16,000	25,000	17,000	.19	1,200	1.4	.90	95,000
23...	1034	Bed material	.80	19,000	19,000	25,000	13,000	.19	1,300	.90	.86	96,000
23...	1034	Bed material	.80	19,000	19,000	25,000	13,000	.19	1,300	.90	.86	96,000
23...	1036	Bed material	1.10	22,000	18,000	24,000	12,000	.26	1,300	1.2	1.1	94,000
23...	1036	Bed material	1.10	22,000	18,000	24,000	12,000	.26	1,300	1.2	1.1	94,000
23...	1038	Bed material	1.40	22,000	17,000	21,000	10,000	.25	1,200	1.2	1.0	86,000
23...	1038	Bed material	1.40	22,000	17,000	21,000	10,000	.25	1,200	1.2	1.0	86,000
23...	1040	Bed material	1.70	22,000	17,000	22,000	11,000	.20	1,200	1.2	1.0	87,000
23...	1040	Bed material	1.70	22,000	17,000	22,000	11,000	.20	1,200	1.2	1.0	87,000
23...	1042	Bed material	2.10	24,000	19,000	23,000	11,000	.23	1,400	1.2	1.0	96,000
23...	1042	Bed material	2.10	24,000	19,000	23,000	11,000	.23	1,400	1.2	1.0	96,000
23...	1044	Bed material	2.40	25,000	18,000	22,000	10,000	.24	1,300	1.3	.98	91,000
23...	1044	Bed material	2.40	25,000	18,000	22,000	10,000	.24	1,300	1.3	.98	91,000
23...	1046	Bed material	2.70	36,000	22,000	27,000	13,000	.28	1,600	1.4	1.0	110,000
23...	1046	Bed material	2.70	36,000	22,000	27,000	13,000	.28	1,600	1.4	1.0	110,000
23...	1048	Bed material	3.00	23,000	19,000	23,000	11,000	.22	1,300	1.2	.98	91,000
23...	1048	Bed material	3.00	23,000	19,000	23,000	11,000	.22	1,300	1.2	.98	91,000
23...	1050	Bed material	3.40	25,000	20,000	26,000	14,000	.19	1,300	.98	.80	99,000
23...	1050	Bed material	3.40	25,000	20,000	26,000	14,000	.19	1,300	.98	.80	99,000
23...	1052	Bed material	3.70	28,000	18,000	24,000	12,000	.21	1,300	1.2	.86	89,000
23...	1052	Bed material	3.70	28,000	18,000	24,000	12,000	.21	1,300	1.2	.86	89,000
23...	1054	Bed material	4.00	24,000	16,000	25,000	14,000	.29	1,200	1.2	1.1	90,000
23...	1054	Bed material	4.00	24,000	16,000	25,000	14,000	.29	1,200	1.2	1.1	90,000
23...	1056	Bed material	4.90	25,000	16,000	22,000	12,000	.23	1,200	1.3	.98	82,000
23...	1056	Bed material	4.90	25,000	16,000	22,000	12,000	.23	1,200	1.3	.98	82,000

10301700 WEBER RESERVOIR NEAR SCHURZ, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 2 of 4
[Remark codes: <, less than.]

Date	Anti-mony, bed sed <62.5um wet svd fld,tot ug/g (34795)	Arsenic bed sed <62.5um wet svd field, total, ug/g (34800)	Barium, bed sed <62.5um wet svd field, total, ug/g (34805)	Beryll-ium, bed sed <62.5um wet svd fld,tot ug/g (34810)	Bismuth bed sed <177um wet svd field, total, ug/g (34816)	Cadmium bed sed <62.5um wet svd field, total, ug/g (34825)	Cerium, bed sed <62.5um wet svd field, total, ug/g (34835)	Chrom-ium, bed sed <62.5um wet svd fld,tot ug/g (34840)	Cobalt, bed sed <62.5um wet svd field, total, ug/g (34845)	Copper, bed sed <62.5um wet svd field, total, ug/g (34850)	Gallium bed sed <62.5um wet svd field, total, ug/g (34860)	Iron, bed sedimnt total, ug/g (01170)	Lantha-num, bed sed <62.5um wet svd fld,tot ug/g (34885)
Jun													
23...	2.0	18	920	3.2	.638	.248	86	39	19	66	24	54,000	44
23...	2.0	18	920	3.2	.638	.248	86	39	19	66	24	54,000	44
23...	2.2	28	1,000	3.3	.581	.223	86	41	20	61	25	52,000	43
23...	2.2	28	1,000	3.3	.581	.223	86	41	20	61	25	52,000	43
23...	2.3	22	990	3.3	.680	.224	94	44	20	71	25	58,000	48
23...	2.3	22	990	3.3	.680	.224	94	44	20	71	25	58,000	48
23...	2.4	26	900	3.4	.717	.241	93	44	20	74	26	59,000	46
23...	2.4	26	900	3.4	.717	.241	93	44	20	74	26	59,000	46
23...	1.9	22	800	2.8	.570	.201	80	68	17	66	22	53,000	40
23...	1.9	22	800	2.8	.570	.201	80	68	17	66	22	53,000	40
23...	1.9	22	820	2.9	.592	.204	83	40	17	67	23	53,000	42
23...	1.9	22	820	2.9	.592	.204	83	40	17	67	23	53,000	42
23...	2.3	25	890	3.0	.657	.222	88	44	19	73	25	58,000	44
23...	2.3	25	890	3.0	.657	.222	88	44	19	73	25	58,000	44
23...	2.1	26	810	3.0	.636	.228	83	42	18	70	24	56,000	42
23...	2.1	26	810	3.0	.636	.228	83	42	18	70	24	56,000	42
23...	2.5	32	1,000	3.9	.772	.274	110	52	22	84	30	70,000	54
23...	2.5	32	1,000	3.9	.772	.274	110	52	22	84	30	70,000	54
23...	2.1	24	870	3.3	.662	.238	91	44	19	71	25	58,000	46
23...	2.1	24	870	3.3	.662	.238	91	44	19	71	25	58,000	46
23...	2.2	23	1,000	3.3	.604	.259	92	42	20	69	25	57,000	46
23...	2.2	23	1,000	3.3	.604	.259	92	42	20	69	25	57,000	46
23...	2.2	24	910	3.1	.667	.223	89	42	18	66	23	55,000	45
23...	2.2	24	910	3.1	.667	.223	89	42	18	66	23	55,000	45
23...	3.5	25	990	3.4	.722	.249	93	43	19	62	24	52,000	46
23...	3.5	25	990	3.4	.722	.249	93	43	19	62	24	52,000	46
23...	2.2	24	850	3.3	.610	.220	83	38	17	61	22	50,000	42
23...	2.2	24	850	3.3	.610	.220	83	38	17	61	22	50,000	42

10301700 WEBER RESERVOIR NEAR SCHURZ, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 3 of 4
[Remark codes: <, less than.]

Date	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium bed sed <62.5um wet svd field, total, ug/g (34895)	Mangan-ese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Molyb-denum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium bed sed <62.5um wet svd field, total, ug/g (34930)	Scand-ium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Stront-ium, bed sed <62.5um wet svd fld,tot ug/g (34965)	Tant-alum, bed sed <62.5um wet svd fld,tot ug/g (34975)	Thall-ium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)
Jun													
23...	27	67	1,400	.34	3.4	25	17	17	<3	440	1.2	.906	20
23...	27	67	1,400	.34	3.4	25	17	17	<3	440	1.2	.906	20
23...	28	63	1,300	.30	5.4	25	17	16	<3	620	1.1	.905	20
23...	28	63	1,300	.30	5.4	25	17	16	<3	620	1.1	.905	20
23...	28	71	1,500	.43	2.9	27	18	18	<3	450	1.2	.973	22
23...	28	71	1,500	.43	2.9	27	18	18	<3	450	1.2	.973	22
23...	28	74	1,500	.43	3.5	28	18	19	<3	450	1.3	.959	22
23...	28	74	1,500	.43	3.5	28	18	19	<3	450	1.3	.959	22
23...	24	66	1,400	.33	3.0	38	16	17	<3	400	1.1	.816	19
23...	24	66	1,400	.33	3.0	38	16	17	<3	400	1.1	.816	19
23...	25	66	1,400	.43	3.0	25	16	17	<3	410	1.1	.836	19
23...	25	66	1,400	.43	3.0	25	16	17	<3	410	1.1	.836	19
23...	27	69	1,400	.50	3.6	27	18	19	<3	430	1.3	.909	22
23...	27	69	1,400	.50	3.6	27	18	19	<3	430	1.3	.909	22
23...	26	63	1,500	.32	3.4	27	17	18	<3	410	1.3	.862	20
23...	26	63	1,500	.32	3.4	27	17	18	<3	410	1.3	.862	20
23...	31	83	1,900	.30	4.6	33	20	22	<3	550	1.4	1.1	26
23...	31	83	1,900	.30	4.6	33	20	22	<3	550	1.4	1.1	26
23...	27	72	1,600	.34	4.5	28	17	19	<3	440	1.2	.909	22
23...	27	72	1,600	.34	4.5	28	17	19	<3	440	1.2	.909	22
23...	26	68	1,600	.28	3.3	26	18	19	<3	480	1.2	.941	22
23...	26	68	1,600	.28	3.3	26	18	19	<3	480	1.2	.941	22
23...	25	71	1,500	.42	5.3	26	17	18	<3	460	1.2	.903	21
23...	25	71	1,500	.42	5.3	26	17	18	<3	460	1.2	.903	21
23...	26	71	1,400	1.0	7.7	25	17	17	<3	510	1.2	.982	22
23...	26	71	1,400	1.0	7.7	25	17	17	<3	510	1.2	.982	22
23...	24	65	1,400	.47	4.8	24	16	16	<3	450	1.1	.867	20
23...	24	65	1,400	.47	4.8	24	16	16	<3	450	1.1	.867	20

10301700 WEBER RESERVOIR NEAR SCHURZ, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 4 of 4
[Remark codes: <, less than.]

Date	Titan-ium, bed sedimnt total, ug/g (01153)	Vanad-ium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Yttrium bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	Alpha radio-activty bed sedimnt Th-230, pCi/g (04125)	Gross beta radio-activty bed sed Cs-137, pCi/g (49962)	Ra-226, bed sedimnt pCi/g (09507)	Ra-228, bed sedimnt pCi/g (75977)	Uranium bed sed <62.5um wet svd field, total, ug/g (35000)
Jun									
23...	5,100	140	26	130	24	32	1.4	2.0	10
23...	5,100	140	26	130	24	32	1.4	2.0	10
23...	5,000	140	26	120	26	38	1.7	2.1	10
23...	5,000	140	26	120	26	38	1.7	2.1	10
23...	5,600	150	27	140	21	40	1.4	2.1	9.3
23...	5,600	150	27	140	21	40	1.4	2.1	9.3
23...	5,400	150	27	140	24	36	1.8	2.4	10
23...	5,400	150	27	140	24	36	1.8	2.4	10
23...	4,900	140	24	130	27	37	1.4	2.0	8.5
23...	4,900	140	24	130	27	37	1.4	2.0	8.5
23...	4,900	140	24	130	30	32	1.6	1.8	9.3
23...	4,900	140	24	130	30	32	1.6	1.8	9.3
23...	5,300	150	26	140	32	33	2.1	2.5	8.7
23...	5,300	150	26	140	32	33	2.1	2.5	8.7
23...	5,000	140	25	130	22	36	1.2	2.2	8.6
23...	5,000	140	25	130	22	36	1.2	2.2	8.6
23...	6,300	180	32	170	20	31	1.3	1.9	11
23...	6,300	180	32	170	20	31	1.3	1.9	11
23...	5,400	150	27	140	17	35	1.4	2.1	10
23...	5,400	150	27	140	17	35	1.4	2.1	10
23...	5,600	150	28	140	28	43	1.1	1.4	9.1
23...	5,600	150	28	140	28	43	1.1	1.4	9.1
23...	5,200	150	26	130	24	43	1.1	1.6	12
23...	5,200	150	26	130	24	43	1.1	1.6	12
23...	5,100	140	26	130	23	32	1.2	1.6	12
23...	5,100	140	26	130	23	32	1.2	1.6	12
23...	4,800	130	26	120	23	38	1.3	1.9	11
23...	4,800	130	26	120	23	38	1.3	1.9	11