



Water-Data Report 2008

## 13106500 SALMON RIVER CANAL CO. RESERVOIR NEAR ROGERSON, ID

Upper Snake Basin  
Salmon Falls Subbasin

LOCATION.--Lat 42°12'44", long 114°44'00" referenced to North American Datum of 1983, in NE ¼ sec.18, T.14 S., R.15 E., Twin Falls County, ID, Hydrologic Unit 17040213, Salmon Butte quad., U.S. Bureau of Land Management lands, at Salmon Falls Dam on Salmon Falls Creek, 7.5 mi west of Rogerson, and at mile 46.0.

DRAINAGE AREA.--1,610 mi<sup>2</sup>, approximately.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1922 to current year.

GAGE.--Nonrecording gage. Datum of gage is 4,945.8 ft above NGVD of 1929.

COOPERATION.--Gage readings and capacity table provided by Salmon River Canal Co.

REMARKS.--Reservoir is formed by gravity-section concrete-arch dam completed in 1911; storage began in 1910. Usable capacity, 182,650 acre-ft between gage heights 0.0 (bottom of outlet tunnel) and 80.0 ft, maximum operating level. Dead storage, 48,000 acre-ft. Reservoir spilled May 11 to June 29, 1984, and Apr. 22-30, 1985, the first times since construction in 1911. Water is used for irrigation of lands in Salmon River Canal Co. project. Figures given herein represent usable contents.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 180,600 acre-ft June 20, July 2, 3, 1984, gage height, 79.40 ft; minimum observed, 125 acre-ft Sept. 21 to Oct. 5, 1934, gage height, 0.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 56,100 acre-ft June 10; maximum gage height, 33.65 ft, June 10; minimum observed, 11,200 acre-ft Sept. 10-25, gage height, 8.20 ft.

Reservoir Gage Height-Capacity Table

Gage height, in ft	Capacity, in acre-ft	Gage height, in ft	Capacity, in acre-ft
8.0	10,900	20.0	30,000
9.0	12,400	25.0	39,100
10.0	13,800	30.0	48,800
15.0	21,500	40.0	69,800

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**RESERVOIR STORAGE, ACRE FEET**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY AM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21,400	23,500	25,200	27,000	29,000	31,700	36,200	45,900	54,700	50,600	31,500	14,000
2	21,500	23,600	25,200	27,000	29,000	31,700	36,400	46,600	55,000	50,100	31,000	13,400
3	21,700	23,600	25,400	27,400	29,000	32,100	36,600	46,600	55,100	49,500	30,400	13,000
4	21,800	23,600	25,600	27,400	29,200	32,200	36,800	46,600	55,300	48,800	29,900	12,500
5	21,800	23,800	25,600	27,400	29,200	32,300	36,800	47,900	55,400	48,000	29,400	12,100
6	21,900	23,900	25,700	27,400	29,400	32,300	36,800	48,000	55,600	47,300	28,900	11,700
7	21,900	24,000	25,800	27,500	29,400	32,500	37,200	48,100	55,800	46,600	28,400	11,300
8	22,000	24,000	25,800	27,500	29,600	32,500	37,500	48,200	55,900	46,000	27,900	11,300
9	22,000	24,000	26,000	27,600	29,600	32,500	37,600	48,400	56,000	45,200	27,400	11,300
10	22,100	24,000	26,100	27,600	29,600	32,700	37,700	48,800	56,100	44,600	26,900	11,200
11	22,200	24,100	26,100	27,800	29,900	32,700	38,000	49,100	56,000	43,800	26,300	11,200
12	22,200	24,100	26,200	27,800	30,000	32,900	38,000	49,300	55,900	42,900	25,800	11,200
13	22,200	24,200	26,200	27,800	30,300	33,100	38,000	49,500	55,900	42,200	25,200	11,200
14	22,300	24,400	26,200	28,000	30,300	33,300	38,500	49,800	55,900	41,400	24,600	11,200
15	22,300	24,500	26,200	28,000	30,300	33,300	38,700	50,000	55,900	40,800	24,100	11,200
16	22,400	24,600	26,200	28,100	30,300	33,300	39,000	50,100	55,800	39,900	23,500	11,200
17	22,400	24,600	26,300	28,100	30,300	33,700	39,500	50,300	55,600	39,300	22,900	11,200
18	22,500	24,600	26,300	28,100	30,300	33,800	40,000	50,500	55,400	38,600	22,400	11,200
19	22,700	24,900	26,500	28,100	30,600	34,000	40,000	50,700	55,200	37,900	21,600	11,200
20	22,700	24,900	26,800	28,400	30,800	34,000	40,000	51,000	55,000	37,300	20,900	11,200
21	22,700	24,900	26,800	28,400	30,800	34,300	41,300	51,200	54,800	36,800	20,400	11,200
22	22,900	24,900	26,800	28,400	30,900	34,300	41,800	51,400	54,400	36,300	19,700	11,200
23	22,900	24,900	26,800	28,500	30,900	34,300	42,200	51,900	54,100	35,700	19,200	11,200
24	22,900	24,900	26,800	28,500	30,900	34,700	42,700	52,400	53,700	35,100	18,500	11,200
25	23,000	25,000	26,800	28,600	31,300	34,800	43,100	52,800	53,200	34,800	18,000	11,200
26	23,000	25,100	26,800	28,600	31,400	35,000	43,100	53,100	53,000	34,400	17,200	11,300
27	23,000	25,100	26,800	28,600	31,400	35,300	43,100	53,400	52,600	33,900	16,700	11,300
28	23,000	25,200	27,000	28,900	31,500	35,400	44,400	53,700	52,200	33,600	16,200	11,300
29	23,300	25,200	27,000	28,900	31,700	35,400	44,800	53,900	51,700	33,100	15,700	11,400
30	23,500	25,200	27,000	28,900	---	35,400	45,000	54,200	51,200	32,500	15,200	11,400
31	23,500	---	27,000	28,900	---	36,000	---	54,500	---	32,000	14,600	---
<b>Max</b>	23,500	25,200	27,000	28,900	31,700	36,000	45,000	54,500	56,100	50,600	31,500	14,000
<b>Min</b>	21,400	23,500	25,200	27,000	29,000	31,700	36,200	45,900	51,200	32,000	14,600	11,200
<b>Gage height, in feet, at end of month.</b>	16.20	17.20	18.25	19.35	21.00	23.30	28.10	32.85	31.20	21.15	10.55	8.35
<b>Change in contents, in acre-feet.</b>	+2,200	+1,700	+1,800	+1,900	+2,800	+4,300	+9,000	+9,500	-3,300	-19,200	-17,400	-3,200

	Calendar Year 2007	Water Year 2008
<b>Max</b>	98,000	56,100
<b>Min</b>	21,300	11,200
<b>Change in contents, in acre-ft</b>	-45,800	-9,900

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