

Water-Data Report 2012

13083500 OAKLEY RESERVOIR NEAR OAKLEY, ID

Upper Snake Basin
Goose Subbasin

LOCATION.--Lat 42°11'43", long 113°54'54" referenced to North American Datum of 1983, in NW ¼ SE ¼ NE ¼ sec.19, T.14 S., R.22 E., Cassia County, ID, Hydrologic Unit 17040211, Oakley quad., just upstream from right abutment of Oakley Dam on Goose Creek, 4 mi southwest of Oakley, and at mile 29.9.

DRAINAGE AREA.--711 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1912 to current year.

REVISED RECORDS.--WSP 1567: Drainage area. WDR-US-2010: Drainage area.

GAGE.--Nonrecording gage. Supplemental recording gage from May 17 to June 2, 1984. Elevation of gage is 4,630 ft, by barometer.

COOPERATION.--Gage readings and capacity table furnished by Oakley Canal Co.

REMARKS.--Reservoir is formed by earthen dam constructed in 1911-13; storage began in 1911. Usable capacity, 77,400 acre-ft between gage heights 0.0 ft, bottom of diversion tunnel, and 138.4 ft, crest of spillway. Silt deposition at the dam has decreased storage capacity, affecting the reliability of the capacity table particularly at the lower elevations. Crest raised in May 1984 from 136.0 ft. Dead storage negligible. Water is used for irrigation of lands along Goose Creek in Oakley Canal Co. project. Figures given herein represent usable contents. Reservoir is known locally as Lower Goose Creek Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 75,600 acre-ft May 22, 1984, gage height, 137.0 ft; reservoir drained at close of irrigation season in 1915, 1919-20, 1926, 1933, 1950, 1959, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 43,800 acre-ft April 30, gage height, 104.90 ft; minimum contents observed, 13,700 acre-ft Sept. 30, gage height, 59.00 ft.

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY INSTANTANEOUS VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	31,900	---	36,800	---	---	---	29,800	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	28,000	---	---	---	---	---	---	---	---	29,400	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	21,700	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	27,700	---	---
9	---	---	30,700	---	---	---	---	---	---	---	---	---
10	27,700	---	---	---	---	---	---	43,100	---	---	---	---
11	---	---	---	---	---	---	43,200	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	20,200	---
13	---	---	---	---	---	---	43,500	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	20,000	---
15	---	29,300	30,900	32,600	35,400	38,000	---	41,800	35,100	26,400	---	14,600
16	---	---	---	---	---	---	---	---	---	---	---	---
17	27,800	---	---	32,600	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	25,000	---	---
23	---	---	---	---	---	---	43,500	---	---	---	---	---
24	---	---	---	---	---	---	---	39,600	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	36,700	---	---	---	---	24,400	---	---
30	---	30,200	---	---	---	---	43,800	38,900	e30,100	---	---	13,700
31	28,500	---	30,900	34,200	---	41,600	---	e38,700	---	23,600	16,200	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---
Gage height, in feet, at end of month.	85.05	87.40	88.40	92.85	96.22	102.20	104.90	e98.64	e87.25	77.42	64.25	59.00
Change in contents, in acre-feet.	+200	+1,700	+700	+3,300	+2,500	+4,900	+2,200	-5,100	-8,600	-6,500	-7,400	-2,500

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