

13201500 LUCKY PEAK LAKE NEAR BOISE, ID

Middle Snake-Boise Basin
Boise-Mores Subbasin

LOCATION.--Lat 43°31'32", long 116°03'19" referenced to North American Datum of 1983, in SW ¼ NW ¼ sec.12, T.2 N., R.3 E., Ada County, ID, Hydrologic Unit 17050112, Lucky Peak quad., at outlet control tower at Lucky Peak Dam on Boise River, 2 mi upstream from diversion dam for New York Canal, 7 mi downstream from Mores Creek, 9 mi southeast of Boise, and at mile 63.8.

DRAINAGE AREA.--2,686 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1954 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is sea level, (levels by U.S. Army Corps of Engineers). Prior to May 13, 1955, nonrecording gage at same site and datum.

COOPERATION.--Gage-height record and capacity table provided by U.S. Army Corps of Engineers.

REMARKS.--Station equipment includes satellite telemetry. Reservoir is formed by earthfill dam. Storage began Oct. 16, 1954. Dam completed in February 1955. Capacity, 307,040 acre-ft between elevations 2,827.0 ft, sill of outlet gates, and 3,060.0 ft, spillway crest. Minimum proposed operating level, 2,905.0 ft, 28,770 acre-ft, but all storage can be released. Water is stored for flood control, irrigation of lands in Boise Valley, and hydroelectric power.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 305,130 acre-ft June 25, 1955, elevation, 3,059.32 ft; minimum since near-full capacity was attained on June 25, 1955, 28,630 acre-ft Dec. 21, 1961, elevation, 2,904.83 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 294,200 acre-ft July 19, elevation, 3,055.37 ft; minimum contents, 63,100 acre-ft October 15, elevation, 2,938.78 ft.

Reservoir Elevation-Capacity Table

Elevation, in ft	Capacity, in acre-ft	Elevation, in ft	Capacity, in acre- ft
2,930.0	52,700	3,000.0	162,800
2,940.0	64,600	3,020.0	205,600
2,960.0	92,400	3,040.0	253,600
2,980.0	125,100	3,060.0	307,000

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	102,700	---	---	79,000	97,500	138,900	218,100	224,600	226,500	284,900	291,600	292,400
2	97,300	---	---	79,000	98,300	140,700	220,400	223,500	228,000	286,300	292,400	292,200
3	92,300	---	---	78,700	99,100	142,700	222,600	222,000	229,800	287,500	292,300	291,600
4	87,400	---	---	78,700	100,100	144,700	224,000	220,600	231,700	288,900	291,900	291,300
5	82,500	---	---	78,700	101,000	146,600	225,200	219,400	233,200	289,400	291,900	290,800
6	77,700	---	---	78,800	101,900	148,600	226,400	218,000	234,900	289,000	292,300	287,100
7	73,900	---	---	78,800	102,800	150,600	226,300	216,900	237,100	287,800	292,700	281,000
8	71,800	---	---	77,800	103,900	152,700	225,000	216,500	240,000	287,000	292,800	274,900
9	71,300	---	---	77,800	105,700	154,800	223,400	215,800	243,800	286,700	292,800	269,000
10	70,900	---	---	77,800	106,900	157,200	221,500	215,200	248,100	286,400	292,700	263,000
11	68,800	---	---	77,800	108,200	159,800	219,600	214,600	252,700	286,600	292,600	257,000
12	66,800	---	---	77,700	109,700	162,600	218,200	213,400	257,400	286,800	292,500	251,100
13	65,300	---	76,600	77,700	111,300	165,300	217,000	212,400	262,000	286,900	292,300	245,300
14	63,900	---	77,000	77,800	112,900	168,400	216,200	212,000	265,700	288,000	292,100	239,400
15	63,600	---	77,600	77,800	114,100	171,700	216,200	211,800	269,000	289,700	292,200	233,400
16	65,600	---	77,700	78,400	115,800	176,300	216,500	212,300	272,300	291,600	292,300	227,900
17	67,600	---	77,800	82,100	117,800	180,800	218,300	212,700	275,400	293,100	292,500	222,200
18	67,700	---	77,800	85,100	119,900	184,800	220,400	212,800	278,500	294,100	292,600	216,400
19	67,100	---	78,100	86,900	121,700	188,700	221,700	212,900	281,500	293,700	292,700	210,800
20	66,600	---	78,200	89,200	123,700	192,300	222,400	213,100	283,700	292,500	292,800	205,000
21	66,100	---	78,300	90,700	125,600	195,400	223,200	213,500	284,700	292,400	292,800	199,500
22	65,300	---	78,300	91,800	126,900	197,900	223,700	213,800	284,800	292,300	292,700	194,000
23	64,700	---	78,400	92,800	128,200	200,200	223,800	214,400	285,100	292,100	292,700	188,500
24	65,500	---	78,500	93,800	129,400	202,400	223,800	215,000	285,500	292,000	292,500	183,000
25	66,500	---	78,600	94,400	131,100	204,500	224,900	215,900	285,200	291,700	292,400	177,500
26	66,300	---	78,600	94,500	133,200	206,500	225,200	217,900	284,800	291,600	292,500	171,700
27	66,100	---	78,700	94,900	135,100	208,800	225,600	219,500	284,400	291,700	292,500	166,200
28	65,600	---	78,900	95,700	137,200	210,100	225,700	221,000	283,800	291,900	292,400	160,600
29	64,900	---	79,200	95,800	---	211,800	225,500	222,200	284,000	292,100	292,300	155,200
30	64,500	---	79,100	95,900	---	213,900	225,200	223,700	284,200	292,300	292,300	149,600
31	64,400	---	79,200	96,700	---	216,000	---	225,100	---	291,000	292,500	---
Total	2,210,700	---	---	2,632,600	3,219,000	5,495,700	6,666,000	6,722,500	7,897,800	8,988,000	9,065,600	6,887,600
Mean	71,300	---	---	84,900	115,000	177,300	222,200	216,900	263,300	289,900	292,400	229,600
Max	102,700	---	---	96,700	137,200	216,000	226,400	225,100	285,500	294,100	292,800	292,400
Min	63,600	---	---	77,700	97,500	138,900	216,200	211,800	226,500	284,900	291,600	149,600
Elevation, in feet, at end of month.	2939.86	---	2950.94	2962.83	2986.70	3024.54	3028.46	3028.39	3051.70	3054.23	3054.77	2993.31
Change in contents, in acre-feet.	-4,200	---	---	17,500	40,500	78,800	9,200	-100	59,100	6,800	1,500	-142,900

	Calendar Year 2010	Water Year 2011
Change in contents, in acre-feet	600	43,200

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