

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.--2,680 mi², approximately.

SURFACE-WATER RECORDS

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

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, 294,000 acre-ft June 25, elevation, 3,055.32 ft; minimum contents, 77,700 acre-ft Oct. 15, elevation, 2,949.89 ft.

Reservoir Elevation-Capacity Table

Elevation, in ft	Capacity, in acre-ft	Elevation, in ft	Capacity, in acre-ft
2,900.0	24,910	2,980.0	125,100
2,920.0	42,200	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
		3,060.0	307,000

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	88,800	84,800	88,000	89,100	91,900	101,300	185,700	235,600	283,400	292,900	292,300	289,100
2	87,300	84,900	87,900	89,100	92,000	103,400	188,200	236,700	284,800	293,500	292,400	285,500
3	85,800	85,000	88,100	89,200	92,100	105,400	190,800	237,800	286,400	293,300	292,500	280,300
4	84,400	85,100	88,000	89,300	92,200	107,500	193,400	239,000	287,300	292,800	292,600	275,100
5	83,400	85,100	88,000	89,400	92,300	109,500	196,000	240,300	288,000	292,400	292,500	269,900
6	82,600	85,200	88,000	89,600	92,400	111,500	198,600	242,700	288,900	291,800	292,300	264,700
7	81,900	85,200	88,000	89,700	92,500	113,600	201,000	246,100	289,700	291,500	292,200	259,600
8	81,200	85,200	88,000	89,800	92,600	115,600	202,500	249,700	290,500	291,900	291,900	254,500
9	80,600	85,200	87,900	89,900	92,800	117,600	203,200	253,100	290,800	292,100	291,600	249,300
10	80,100	85,300	87,900	90,000	92,900	119,700	204,200	256,300	291,000	292,100	291,100	244,300
11	79,500	85,400	87,800	90,100	93,000	122,100	205,400	259,300	291,800	292,200	290,900	239,300
12	78,900	85,400	87,700	90,200	93,100	124,700	206,700	262,800	291,900	292,200	291,100	234,500
13	78,300	85,500	87,700	90,300	93,200	127,700	208,300	266,800	291,700	292,200	291,600	229,800
14	77,800	85,700	87,700	90,400	93,200	130,900	210,300	269,400	291,400	292,200	292,100	225,000
15	78,300	85,800	87,600	90,500	93,300	133,800	212,100	270,600	291,200	292,200	292,900	220,200
16	79,200	85,900	87,700	90,500	93,300	136,900	213,300	271,100	291,400	292,100	293,400	215,300
17	79,900	86,200	87,700	90,400	93,300	139,900	214,900	271,000	291,600	292,200	293,800	210,600
18	80,500	86,600	87,900	90,600	93,400	143,000	216,400	270,700	291,800	292,100	293,700	205,900
19	81,400	86,900	88,000	90,600	93,400	146,200	217,800	270,900	291,800	291,800	293,300	201,400
20	82,500	87,200	88,200	90,700	93,500	149,500	219,200	271,300	292,000	291,800	292,700	197,200
21	83,400	87,400	88,300	90,800	93,500	152,800	220,700	271,400	292,500	291,900	292,000	e193,000
22	83,800	87,500	88,300	90,900	93,600	156,000	222,100	271,200	292,800	292,200	291,300	189,000
23	84,000	87,600	88,400	91,000	93,700	159,200	223,400	270,100	293,600	292,500	290,700	185,200
24	84,100	87,700	88,500	91,000	93,900	162,400	224,800	270,800	293,900	292,600	290,300	181,400
25	84,100	87,800	88,600	91,000	94,000	165,600	226,000	272,200	293,600	292,500	289,700	177,700
26	84,300	87,900	88,600	91,200	94,200	168,900	227,200	273,200	293,100	292,200	289,800	174,100
27	84,400	88,000	88,700	91,300	95,000	171,500	228,400	274,700	292,700	291,900	289,900	170,500
28	84,500	88,100	88,900	91,400	97,100	174,000	230,000	277,700	292,100	291,500	290,000	167,000
29	84,500	88,200	88,900	91,500	99,200	177,300	232,300	280,200	291,600	291,500	290,000	163,500
30	84,600	88,100	89,000	91,700	---	180,200	234,100	281,400	292,200	292,000	289,700	159,500
31	84,700	---	89,100	91,800	---	183,000	---	282,400	---	292,000	289,400	---
Total	2,558,800	2,589,900	2,733,100	2,803,000	2,710,600	4,310,700	6,357,000	8,146,500	8,725,500	9,058,100	9,039,700	6,612,400
Mean	82,500	86,300	88,200	90,400	93,500	139,100	211,900	262,800	290,800	292,200	291,600	220,400
Max	88,800	88,200	89,100	91,800	99,200	183,000	234,100	282,400	293,900	293,500	293,800	289,100
Min	77,800	84,800	87,600	89,100	91,900	101,300	185,700	235,600	283,400	291,500	289,400	159,500
Elevation, in feet, at end of month.	2,954.85	2,957.15	2,957.83	2,959.60	2,964.41	3,009.76	3,032.17	3,051.05	3,054.66	3,054.59	3,053.64	2,998.34
Change in contents, in acre-feet.	-6,100	3,400	1,000	2,700	7,400	83,800	51,100	48,300	9,800	-200	-2,600	-129,000

	Calendar Year 2007	Water Year 2008
Total	65,355,700	65,645,300
Mean	179,100	179,400
Max	293,100	293,900
Min	77,800	77,800
Change in contents, in acre-ft	700	68,700

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