

Water-Data Report 2010

13340950 DWORSHAK RESERVOIR NEAR AHSAHKA, ID

Clearwater Basin
Lower North Fork Clearwater Subbasin

LOCATION.--Lat 46°30'55", long 116°17'46" referenced to North American Datum of 1983, in SW ¼ SE ¼ sec.26, T.37 N., R.1 E., Clearwater County, ID, Hydrologic Unit 17060308, Ahsahka quad., at Dam on North Fork Clearwater River, 1.5 mi northeast of Ahsahka, and at mile 2.0.

DRAINAGE AREA.--2,440 mi², approximately. Mean elevation, 4,220 ft.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder located in gage slot 6 on the 1,603 ft level. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

COOPERATION.--Capacity table provided by U.S. Army Corps of Engineers.

REMARKS.--Reservoir is formed by straight-axis concrete gravity dam. Total capacity is 3,469,000 acre-ft between elevations 970.0 ft, bottom of bypass valve, and 1,600.0 ft, normal full pool elevation. Inactive storage for minimum power head is 1,452,000 acre-ft, elevation, 1,445.0 ft. Storage began Sept. 27, 1971. Dworshak Dam is used to regulate annual floodwaters of the North Fork Clearwater River and for power generation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,472,000 acre-ft Aug. 16, 1978, and June 6, 1981, elevation 1,600.21 ft.

Minimum since full capacity was reached July 29, 1974, 1,455,000 acre-ft Mar. 29, 30, 1976, Apr. 10, 1999; minimum elevation observed, 1,445.31 ft, Apr. 10, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,469,000 acre-ft June 24, elevation, 1,600.04 ft; minimum contents, 2,146,000 acre-ft Dec. 16, 17, elevation, 1,512.78 ft.

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,213,000	2,191,000	2,180,000	2,149,000	2,169,000	2,212,000	2,317,000	2,638,000	3,136,000	3,455,000	2,973,000	2,414,000
2	2,211,000	2,191,000	2,179,000	2,149,000	2,170,000	2,214,000	2,324,000	2,654,000	3,162,000	3,457,000	2,953,000	2,401,000
3	2,210,000	2,190,000	2,177,000	2,149,000	2,170,000	2,216,000	2,331,000	2,677,000	3,201,000	3,457,000	2,932,000	2,387,000
4	2,208,000	2,190,000	2,174,000	2,149,000	2,172,000	2,217,000	2,336,000	2,704,000	3,241,000	3,455,000	2,909,000	2,372,000
5	2,207,000	2,189,000	2,173,000	2,150,000	2,172,000	2,220,000	2,342,000	2,723,000	3,280,000	3,454,000	2,884,000	2,357,000
6	2,205,000	2,189,000	2,172,000	2,150,000	2,174,000	2,222,000	2,346,000	2,740,000	3,314,000	3,447,000	2,863,000	2,343,000
7	2,203,000	2,190,000	2,169,000	2,150,000	2,175,000	2,224,000	2,351,000	2,755,000	3,349,000	3,439,000	2,846,000	2,327,000
8	2,201,000	2,190,000	2,164,000	2,149,000	2,176,000	2,227,000	2,355,000	2,769,000	3,367,000	3,431,000	2,828,000	2,314,000
9	2,200,000	2,190,000	2,158,000	2,148,000	2,177,000	2,229,000	2,359,000	2,782,000	3,383,000	3,420,000	2,811,000	2,300,000
10	2,198,000	2,190,000	2,153,000	2,148,000	2,177,000	2,231,000	2,363,000	2,794,000	3,400,000	3,407,000	2,794,000	2,287,000
11	2,196,000	2,190,000	2,151,000	2,148,000	2,179,000	2,233,000	2,367,000	2,807,000	3,420,000	3,393,000	2,776,000	2,276,000
12	2,194,000	2,190,000	2,149,000	2,148,000	2,180,000	2,235,000	2,372,000	2,821,000	3,435,000	3,377,000	2,758,000	2,266,000
13	2,193,000	2,189,000	2,148,000	2,150,000	2,182,000	2,237,000	2,377,000	2,834,000	3,449,000	3,363,000	2,738,000	2,259,000
14	2,193,000	2,189,000	2,147,000	2,152,000	2,184,000	2,239,000	2,384,000	2,848,000	3,456,000	3,348,000	2,720,000	2,251,000
15	2,194,000	2,188,000	2,147,000	2,155,000	2,187,000	2,240,000	2,390,000	2,865,000	3,457,000	3,331,000	2,701,000	2,247,000
16	2,193,000	2,188,000	2,147,000	2,156,000	2,190,000	2,242,000	2,398,000	2,883,000	3,458,000	3,313,000	2,682,000	2,246,000
17	2,192,000	2,187,000	2,147,000	2,158,000	2,193,000	2,243,000	2,407,000	2,906,000	3,462,000	3,295,000	2,664,000	2,243,000
18	2,191,000	2,186,000	2,146,000	2,159,000	2,196,000	2,246,000	2,419,000	2,932,000	3,463,000	3,277,000	2,646,000	2,241,000
19	2,190,000	2,186,000	2,146,000	2,161,000	2,198,000	2,248,000	2,432,000	2,940,000	3,464,000	3,257,000	2,627,000	2,240,000
20	2,189,000	2,185,000	2,148,000	2,162,000	2,200,000	2,250,000	2,446,000	2,950,000	3,459,000	3,237,000	2,608,000	2,241,000
21	2,187,000	2,185,000	2,150,000	2,162,000	2,201,000	2,252,000	2,465,000	2,954,000	3,459,000	3,216,000	2,590,000	2,240,000
22	2,187,000	2,184,000	2,153,000	2,162,000	2,203,000	2,255,000	2,490,000	2,972,000	3,459,000	3,195,000	2,570,000	2,238,000
23	2,186,000	2,184,000	2,155,000	2,163,000	2,203,000	2,258,000	2,512,000	2,989,000	3,464,000	3,174,000	2,551,000	2,237,000
24	2,188,000	2,183,000	2,155,000	2,163,000	2,205,000	2,261,000	2,529,000	3,004,000	3,468,000	3,150,000	2,532,000	2,237,000
25	2,188,000	2,183,000	2,155,000	2,164,000	2,207,000	2,263,000	2,544,000	3,019,000	3,466,000	3,126,000	2,514,000	2,236,000
26	2,188,000	2,182,000	2,154,000	2,163,000	2,208,000	2,267,000	2,556,000	3,032,000	3,465,000	3,102,000	2,499,000	2,235,000
27	2,188,000	2,182,000	2,153,000	2,164,000	2,209,000	2,270,000	2,570,000	3,045,000	3,465,000	3,078,000	2,484,000	2,233,000
28	2,188,000	2,182,000	2,151,000	2,165,000	2,211,000	2,273,000	2,588,000	3,061,000	3,466,000	3,057,000	2,470,000	2,232,000
29	2,187,000	2,182,000	2,150,000	2,166,000		2,284,000	2,605,000	3,080,000	3,464,000	3,036,000	2,455,000	2,231,000
30	2,187,000	2,181,000	2,149,000	2,166,000		2,300,000	2,621,000	3,097,000	3,461,000	3,016,000	2,441,000	2,230,000
31	2,188,000		2,149,000	2,168,000		2,309,000		3,115,000		2,993,000	2,427,000	
Max	2,213,000	2,191,000	2,180,000	2,168,000	2,211,000	2,309,000	2,621,000	3,115,000	3,468,000	3,457,000	2,973,000	2,414,000
Min	2,186,000	2,181,000	2,146,000	2,148,000	2,169,000	2,212,000	2,317,000	2,638,000	3,136,000	2,993,000	2,427,000	2,230,000
Elevation, in feet, at end of month.	1516.17	1515.57	1513.04	1514.50	1517.91	1525.38	1548.08	1580.33	1599.62	1572.95	1534.13	1519.40
Change in contents, in acre-feet.	-27,000	-7,000	-32,000	19,000	43,000	98,000	312,000	494,000	346,000	-468,000	-566,000	-197,000

	Calendar Year 2009	Water Year 2010
Max	3,468,000	3,468,000
Min	2,146,000	2,146,000

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