

Water-Data Report 2013

13174000 Wild Horse Reservoir Near Gold Creek, NV

Middle Snake-Boise Basin
Upper Owyhee Subbasin

LOCATION.--Lat 41°41'15", long 115°50'37" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.25, T.44 N., R.54 E., Elko County, NV, Hydrologic Unit 17050104, in Humboldt National Forest, at Wild Horse Dam on Owyhee River, 8 mi west of Gold Creek, and 13 mi southeast of Mountain City.

DRAINAGE AREA.--209 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1938-1996, Apr. 2008 to present: Month-end contents for some periods, published in WSP 1317.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Bureau of Indian Affairs).

REMARKS.--Reservoir is formed by concrete-arch dam; storage began Mar. 18, 1938. New dam completed in Sep. 1970, capacity, 71,500 acre-ft between elevations 6,138.50 (sill of outlet gate) and 6205.02 (Spillway crest). No dead storage. Water is used for Duck Valley project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 32,350 acre-ft, May 2, elevation, 6,188.68 ft; minimum contents, 14,510 acre-ft, Sep. 30, elevation, 6,176.55 ft.

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	25,060	24,070	24,100	24,680	e25,200	25,700	29,050	32,220	27,890	22,170	18,780	15,930
2	24,970	24,030	24,150	24,700	e25,230	25,730	29,430	32,260	27,700	22,120	18,590	15,910
3	24,850	24,000	24,130	24,660	25,250	25,760	29,700	32,240	27,520	22,150	18,440	15,890
4	24,760	24,000	24,260	24,680	25,270	25,790	29,940	32,170	27,320	22,150	18,290	15,840
5	24,660	24,010	24,320	24,730	25,270	25,810	30,100	32,110	27,140	22,120	18,120	15,800
6	24,580	24,000	24,360	24,680	25,320	25,820	30,310	32,060	26,970	22,060	17,960	15,760
7	24,520	23,980	24,320	24,760	25,300	25,860	30,460	31,970	26,770	22,050	17,820	15,730
8	24,410	24,040	24,330	24,730	25,330	25,890	30,650	31,890	26,580	22,010	17,640	15,650
9	24,330	23,980	24,380	e24,750	25,350	25,900	30,740	31,800	26,380	22,010	17,450	15,590
10	24,240	24,000	24,350	e24,790	25,360	25,920	30,860	31,620	26,150	21,950	17,300	15,550
11	24,170	24,000	24,460	e24,810	25,380	25,950	30,970	31,460	25,970	21,930	17,140	15,510
12	24,180	23,980	24,390	e24,830	25,380	26,000	31,070	31,290	25,780	21,870	17,060	15,460
13	24,130	24,010	24,390	e24,850	25,390	26,030	31,180	31,110	25,570	21,790	17,030	15,420
14	24,150	24,000	24,440	e24,870	25,430	26,080	31,260	30,930	25,380	21,700	16,970	15,360
15	24,120	24,000	24,440	e24,890	25,430	26,230	31,330	30,790	25,190	21,600	16,910	15,320
16	24,120	24,000	24,440	e24,900	25,460	26,360	31,420	30,630	25,000	21,400	16,820	15,250
17	24,100	23,970	24,490	e24,920	25,460	26,460	31,480	30,470	24,810	21,260	16,770	15,210
18	24,120	24,040	24,520	e24,930	25,470	26,560	31,570	30,310	24,600	21,080	16,710	15,150
19	24,040	24,060	24,500	e24,950	25,510	26,660	31,690	30,140	24,390	20,990	16,660	15,090
20	24,040	24,090	24,500	e24,970	25,520	26,920	31,820	30,000	24,130	20,760	16,610	15,040
21	24,070	24,060	24,520	e24,990	25,540	27,040	31,880	29,770	24,010	20,650	16,540	14,980
22	24,060	24,060	24,500	e25,000	25,520	27,170	31,930	29,610	23,810	20,450	16,480	14,920
23	24,070	24,060	24,550	e25,020	25,620	27,250	31,950	29,410	23,620	20,270	16,450	14,880
24	24,090	24,070	24,570	e25,040	25,620	27,320	32,020	29,240	23,430	20,100	16,370	14,820
25	24,040	24,060	24,580	e25,050	25,650	27,440	32,060	29,050	23,250	19,950	16,300	14,770
26	24,060	24,070	24,630	e25,070	25,660	27,530	32,100	28,860	23,080	19,780	16,260	14,730
27	24,060	24,070	24,650	e25,080	25,680	27,650	32,150	28,690	22,880	19,630	16,170	14,700
28	24,040	24,040	24,630	e25,100	25,680	27,840	32,200	28,570	22,710	19,470	16,160	14,680
29	24,040	24,060	24,650	e25,120	---	28,040	32,200	28,420	22,550	19,300	16,070	14,590
30	24,040	24,100	24,660	e25,150	---	28,320	32,260	28,250	22,370	19,120	16,030	14,530
31	24,060	---	24,700	e25,180	---	28,620	---	28,080	---	18,940	16,000	---
Max	25,060	24,100	24,700	25,180	25,680	28,620	32,260	32,260	27,890	22,170	18,780	15,930
Min	24,040	23,970	24,100	24,660	25,200	25,700	29,050	28,080	22,370	18,940	16,000	14,530
Elevation, in feet above NGVD 1929 (project datum), at end of month.	6,183.78	6,183.81	6,184.19	6,184.50	6,184.81	6,186.58	6,188.63	6,186.26	6,182.66	6,180.20	6,177.85	6,176.57
Change in contents, in acre-feet.	-1,080	+40	+600	+480e	+500	+2,940	+3,640	-4,180	-5,710	-3,430	-2,940	-1,470

*NOTE: --Some monthend content values are interpolated from recorded values and readings made during the year.

	Calendar Year 2012	Water Year 2013
Max	57,550	32,260
Min	23,970	14,530
Change in contents, in acre-feet.	-23,410	-10,610

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