

Water-Data Report 2012

13057500 GRAYS LAKE OUTLET NEAR HERMAN, ID

Upper Snake Basin
Willow Subbasin

LOCATION.--Lat 43°08'05", long 111°29'42" referenced to North American Datum of 1983, in NW ¼ NE ¼ NE ¼ sec.26, T.3 S., R.42 E., Bonneville County, ID, Hydrologic Unit 17040205, Herman quad., on right bank 200 ft upstream from road crossing, 3.5 mi west of Herman, and 8 mi upstream from Brockman Creek.

DRAINAGE AREA.--137 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1916-25 (irrigation seasons only), June 1966 to October 1970, May 2002 to current year (seasonal).

REVISED RECORDS.--WDR ID-69-1: 1967. WDR ID-2006: 2004(M).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 6,384 ft, from topographic map. Prior to Oct. 18, 1917, non-recording gage, and Oct. 18, 1917 to Sept. 30, 1925, water-stage recorder at site 2 mi downstream, at different datum.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 1,350 ft³/s May 15, 1917, gage height, 5.9 ft (site and datum then in use); no flow Apr. 25, 1917.

EXTREMES FOR CURRENT YEAR.--Maximum recorded discharge, 11 ft³/s, April 1, gage height 2.48 ft; minimum recorded discharge, 0.14 ft³/s, Sept. 30, gage height 1.70 ft; minimum gage height 1.64, July 19; extremes may have been higher or less during period of no gage height record Oct. 1 to Mar. 31.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	6.4	1.3	0.87	0.41	0.35	0.34
2	---	---	---	---	---	---	3.7	1.2	0.87	0.41	0.32	0.31
3	---	---	---	---	---	---	3.0	1.2	0.84	0.44	0.33	0.28
4	---	---	---	---	---	---	3.5	1.3	0.83	0.42	0.34	0.25
5	---	---	---	---	---	---	3.1	1.3	0.84	0.42	0.37	0.25
6	---	---	---	---	---	---	2.7	1.3	0.80	0.45	0.37	0.24
7	---	---	---	---	---	---	1.9	1.2	0.79	0.46	0.34	0.23
8	---	---	---	---	---	---	2.0	1.2	0.78	0.50	0.34	0.22
9	---	---	---	---	---	---	2.2	1.2	0.78	0.47	0.33	0.22
10	---	---	---	---	---	---	2.2	1.2	0.77	0.39	0.34	0.22
11	---	---	---	---	---	---	2.1	1.2	0.74	0.37	0.32	0.20
12	---	---	---	---	---	---	2.2	1.1	0.71	0.36	0.31	0.20
13	---	---	---	---	---	---	2.0	1.1	0.70	0.35	0.31	0.20
14	---	---	---	---	---	---	1.7	1.1	0.70	0.37	0.31	0.19
15	---	---	---	---	---	---	1.6	1.1	0.66	0.38	0.30	0.17
16	---	---	---	---	---	---	1.5	1.0	0.63	0.36	0.29	0.17
17	---	---	---	---	---	---	1.6	1.0	0.60	0.37	0.28	0.18
18	---	---	---	---	---	---	1.6	1.0	0.58	0.33	0.29	0.17
19	---	---	---	---	---	---	1.6	1.0	0.56	0.30	0.28	0.17
20	---	---	---	---	---	---	1.5	1.0	0.56	0.30	0.30	0.17
21	---	---	---	---	---	---	1.4	0.97	0.54	0.31	0.31	0.18
22	---	---	---	---	---	---	1.4	0.97	0.52	0.31	0.31	0.17
23	---	---	---	---	---	---	1.4	0.99	0.50	0.31	0.29	0.18
24	---	---	---	---	---	---	1.4	1.0	0.48	0.31	0.30	0.19
25	---	---	---	---	---	---	1.4	1.0	0.46	0.31	0.31	0.19
26	---	---	---	---	---	---	1.3	1.1	0.47	0.31	0.32	0.18
27	---	---	---	---	---	---	1.4	1.2	0.46	0.33	0.32	0.18
28	---	---	---	---	---	---	1.4	1.2	0.44	0.30	0.31	0.16
29	---	---	---	---	---	---	1.4	1.1	0.41	0.31	0.32	0.16
30	---	---	---	---	---	---	1.4	0.94	0.41	0.32	0.31	0.15
31	---	---	---	---	---	---	---	0.87	---	0.32	0.30	---
Total	---	---	---	---	---	---	62.0	34.34	19.30	11.30	9.82	6.12
Mean	---	---	---	---	---	---	2.07	1.11	0.64	0.36	0.32	0.20
Max	---	---	---	---	---	---	6.4	1.3	0.87	0.50	0.37	0.34
Min	---	---	---	---	---	---	1.3	0.87	0.41	0.30	0.28	0.15
Ac-ft	---	---	---	---	---	---	123	68	38	22	19	12

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