

Water-Data Report 2012

09229500 HENRYS FORK NEAR MANILA, UT

Upper Green Basin
Upper Green-Flaming Gorge Reservoir Subbasin

LOCATION.--Lat 41°00'39.6", long 109°40'24.6" referenced to North American Datum of 1983, in NW ¼ NW ¼ sec.23, T.12 N., R.109 W., Sweetwater County, WY, Hydrologic Unit 14040106, on right bank 0.8 mi north of Wyoming-Utah State line, 1.3 mi upstream from normal high-water line of Flaming Gorge Reservoir at elevation 6,045 ft, and 3.0 mi northeast of Manila, UT.

DRAINAGE AREA.--520 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1928 to September 1993, May 2001 to current year. Prior to October 1971, published as "at Linwood, UT."

REVISED RECORDS.--WSP 1443: 1955. WDR WY-76-2: 1970. WDR WY-92-1: 1991.

GAGE.--Water-stage recorder. Elevation of gage is 6,060 ft above NGVD of 1929, from topographic map. Prior to October 1, 1957, nonrecording gages or water-stage recorder at several sites and 2.0 mi downstream from station at various datums. October 1, 1957 to December 2, 1965, water-stage recorders at sites about 1.0 mi upstream from station at different datums. U.S. Geological Survey data collection platform with satellite telemetry at station.

REMARKS.--Records good except those for flows below 25 ft³/s, which are fair, and those for estimated daily discharges, which are poor. Peoples Irrigation Canal diverts 5.9 mi upstream from station. Natural flow of stream affected by transbasin diversions, small storage reservoirs, diversions for irrigation, and return flow from irrigated areas. Quality of water data were collected and are available at <http://waterdata.usgs.gov/usa/nwis/qw>.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	25	82	85	e41	e56	e73	98	166	e3.0	0.89	7.1	9.8
2	23	85	72	e43	e58	e76	102	181	e2.0	0.91	6.9	12
3	23	69	e68	e44	e57	e84	86	204	e2.0	2.2	5.7	11
4	23	94	e60	e46	e49	e90	91	230	e1.5	2.5	4.4	10
5	24	122	e62	e46	e51	e130	86	246	1.5	1.7	3.2	7.8
6	36	90	e64	e45	e45	e150	85	216	1.5	1.3	2.8	6.8
7	56	92	e65	e44	e44	e120	72	166	1.7	14	3.2	7.7
8	72	86	e66	e43	e56	103	72	121	1.8	16	2.8	7.6
9	93	77	e64	e44	e58	104	72	98	e1.6	4.2	2.4	7.1
10	98	77	e60	e44	e56	122	79	99	1.5	1.9	2.9	6.5
11	106	84	e57	e44	e56	130	91	112	1.4	1.8	4.3	14
12	98	98	e56	e46	e57	150	108	113	1.6	1.8	5.5	11
13	80	99	e57	e47	e55	166	111	84	2.6	1.8	4.3	7.6
14	75	81	e57	e48	e56	154	107	68	2.5	2.0	4.2	8.6
15	81	79	e56	e50	e58	153	119	57	2.5	5.2	3.9	4.6
16	80	70	e58	e48	e55	151	117	67	6.1	11	3.6	3.5
17	91	88	e60	e47	e57	177	100	77	4.0	8.4	3.7	3.5
18	91	95	e56	e52	e55	182	99	72	3.2	9.3	2.7	3.2
19	79	95	e56	e56	e60	114	93	77	2.0	5.1	3.0	2.9
20	76	71	e58	e60	e63	90	91	54	2.4	4.5	3.6	2.7
21	70	104	e54	e62	e62	109	84	41	2.5	7.1	3.8	2.9
22	66	94	e52	e60	e64	110	95	34	2.5	27	3.4	3.0
23	67	99	e48	e58	e67	133	114	45	2.1	20	3.2	3.0
24	71	101	e47	e57	e70	147	142	e40	2.2	29	3.8	3.1
25	73	110	e46	e59	e80	131	216	e38	2.0	87	3.3	3.4
26	81	72	e47	e62	e85	134	253	e32	1.8	45	3.1	4.4
27	76	89	e46	e60	e82	101	269	e25	1.7	23	3.5	7.6
28	65	119	e47	e58	e80	88	226	e16	1.1	18	4.0	7.8
29	70	105	e47	e56	e75	85	204	e12	0.91	17	5.3	6.0
30	77	97	e44	e57	---	83	175	e8.0	0.89	14	5.9	5.2
31	75	---	e42	e57	---	84	---	e6.0	---	9.2	6.6	---
Total	2,121	2,724	1,757	1,584	1,767	3,724	3,657	2,805.0	64.10	392.80	126.1	194.3
Mean	68.4	90.8	56.7	51.1	60.9	120	122	90.5	2.14	12.7	4.07	6.48
Max	106	122	85	62	85	182	269	246	6.1	87	7.1	14
Min	23	69	42	41	44	73	72	6.0	0.89	0.89	2.4	2.7
Ac-ft	4,210	5,400	3,490	3,140	3,500	7,390	7,250	5,560	127	779	250	385

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	45.3	55.4	47.8	43.2	46.6	69.6	80.9	145	264	93.8	47.4	31.4
Max	176	117	105	103	88.6	165	196	541	1,375	703	323	191
(WY)	(1983)	(1984)	(1985)	(1984)	(1984)	(1929)	(1944)	(1984)	(1983)	(1975)	(1965)	(1929)
Min	0.00	12.8	20.5	15.2	15.0	24.9	3.94	3.75	0.10	0.00	0.09	0.00
(WY)	(1935)	(1935)	(1933)	(1933)	(1933)	(1957)	(1935)	(2002)	(1934)	(1934)	(1940)	(1934)

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SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1929 - 2012	
Annual total	65,734		20,916.30			
Annual mean	180		57.1		80.8	
Highest annual mean					273	1983
Lowest annual mean					16.5	1934
Highest daily mean	^a 1,650	Jun 30	269	Apr 27	3,780	Jun 13, 1965
Lowest daily mean	20	May 8	0.89	Jun 30 ^b	0.00	Sep 20, 1933 ^c
Annual seven-day minimum	25	Sep 29	1.2	Jun 26	0.00	Jun 6, 1934 ^d
Maximum peak flow			^e 355	Apr 27	^f 6,750	Aug 3, 1936
Maximum peak stage			^g 3.50	Dec 8	^h 9.42	Jul 15, 1959
Annual runoff (ac-ft)	130,400		41,490		58,570	
10 percent exceeds	600		114		161	
50 percent exceeds	72		56		47	
90 percent exceeds	42		2.5		4.2	

^a From rating curve extended above 1,000 ft³/s.

^b Also, July 1.

^c Some days, several years.

^d Several years.

^e Gage height, 2.70 ft.

^f Gage height, 7.19 ft, site and datum then in use; from floodmarks; from rating curve extended above 570 ft³/s on basis of slope-area measurement of peak flow.

^g Backwater from ice.

^h Site and datum then in use. Discharge not determined.

