



Water-Data Report 2007

09229500 HENRYS FORK NEAR MANILA, UT

Upper Green Basin
Upper Green-Flaming Gorge Reservoir Subbasin

LOCATION.--Lat 41°00'45", long 109°40'20" referenced to North American Datum of 1927, 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 discharges above 350 ft³/s 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.

09229500 HENRYS FORK NEAR MANILA, UT—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	25	54	e39	e27	e43	e62	104	75	23	2.9	0.72	3.6
2	28	50	e37	e30	e44	e59	120	92	15	2.5	0.93	3.4
3	23	67	e40	e32	e42	e57	100	121	7.8	2.4	8.6	4.2
4	9.6	73	e44	e36	e41	e66	71	155	9.1	2.4	56	4.3
5	13	80	e40	e38	e42	71	65	152	8.1	2.2	5.4	4.9
6	43	76	e40	e35	e46	79	63	154	5.9	2.1	3.7	9.2
7	51	80	e42	e33	e54	116	64	178	6.1	1.9	3.2	5.4
8	56	80	e46	e34	e58	155	65	114	6.1	1.6	1.4	3.8
9	47	79	e46	e36	e60	160	61	71	8.2	1.1	1.2	3.8
10	74	75	e48	e39	e65	150	64	54	6.7	1.0	1.2	3.8
11	74	61	e46	e41	e59	131	58	46	4.8	1.1	1.3	3.5
12	64	68	e43	e39	e66	142	72	62	4.4	1.1	1.2	3.3
13	59	58	e45	e35	e60	178	67	133	4.2	1.1	1.3	3.2
14	56	78	e47	e34	e55	215	60	225	3.9	1.1	1.4	3.1
15	54	57	e48	e32	e58	167	56	196	3.9	1.0	1.4	2.7
16	53	75	e44	e32	e60	124	55	152	4.0	1.0	1.7	3.2
17	55	89	e40	e34	e67	132	56	135	3.6	1.0	2.3	3.4
18	59	90	e33	e37	e74	143	54	129	3.7	1.0	2.0	3.6
19	62	75	e30	e37	75	129	57	133	3.9	1.0	2.9	3.3
20	62	71	e25	e39	e76	107	59	153	3.6	1.0	3.1	3.4
21	71	80	e26	e39	e72	102	57	154	3.2	1.1	2.8	3.3
22	74	80	e29	e39	75	89	54	166	3.2	1.1	2.4	3.0
23	70	79	e34	e39	88	76	52	115	3.5	1.1	2.9	2.7
24	85	58	e37	e40	74	68	53	87	3.6	1.2	2.6	3.2
25	88	e50	e35	e39	e77	65	39	63	3.2	1.4	2.3	7.6
26	85	e54	e34	e40	69	63	33	47	3.2	1.5	2.4	25
27	83	e50	e33	e42	70	62	34	47	3.4	1.1	2.8	5.1
28	81	e43	e33	e40	61	68	37	48	3.6	1.6	2.8	4.4
29	76	e38	e31	e38	---	68	42	61	3.3	2.1	3.4	4.1
30	74	e36	e30	e42	---	61	53	49	2.8	1.6	3.3	4.4
31	63	---	e28	e43	---	77	---	38	---	0.97	3.1	---
Total	1,817.6	2,004	1,173	1,141	1,731	3,242	1,825	3,405	169.0	45.27	131.75	141.9
Mean	58.6	66.8	37.8	36.8	61.8	105	60.8	110	5.63	1.46	4.25	4.73
Max	88	90	48	43	88	215	120	225	23	2.9	56	25
Min	9.6	36	25	27	41	57	33	38	2.8	0.97	0.72	2.7
Ac-ft	3,610	3,970	2,330	2,260	3,430	6,430	3,620	6,750	335	90	261	281

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	45.5	54.8	47.8	43.2	46.6	69.5	81.0	149	259	87.7	47.7	32.4
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)	(1957)	(1935)	(2002)	(2002)	(1934)	(1934)	(1940)	(1934)

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	Calendar Year 2006		Water Year 2007		Water Years 1929 - 2007	
Annual total	16,334.9		16,826.52			
Annual mean	44.8		46.1		80.4	
Highest annual mean					273	1983
Lowest annual mean					16.5	1934
Highest daily mean	215	May 23	225	May 14	3,780	Jun 13, 1965
Lowest daily mean	1.4	Jul 27 ^a	0.72	Aug 1	0.00	Sep 20, 1933 ^b
Annual seven-day minimum	1.7	Jul 26	1.0	Jul 14	0.00	Jun 6, 1934
Maximum peak flow			c323	Mar 14	d6,750	Aug 3, 1936
Maximum peak stage			e6.99	Feb 11	f9.42	Jul 15, 1959
Annual runoff (ac-ft)	32,400		33,380		58,240	
10 percent exceeds	78		91		162	
50 percent exceeds	47		42		47	
90 percent exceeds	2.9		2.1		4.1	

^a Also, July 28-30.^b Some days, several years.^c Gage height, 3.55 ft.^d Gage height, 7.19 ft, site and datum then in use; from floodmarks; from rating curve extended above 57 ft³/s on basis of slope-area measurement of peak flow.^e Backwater from ice.^f Site and datum then in use. Discharge not determined.