

Water-Data Report 2012

**06708600 WEST PLUM CREEK NEAR PERRY PARK, CO**

South Platte Basin  
Upper South Platte Subbasin

LOCATION.--Lat 39°15'34.10", long 104°57'06.85" referenced to North American Datum of 1983, in NE ¼ NW ¼ sec.24, T.9 S., R.68 W., Douglas County, CO, Hydrologic Unit 10190002, on left bank 150 ft downstream from county road bridge, 3.25 mi upstream from Bear Creek, and 2.2 mi east of Perry Park.

DRAINAGE AREA.--26.9 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--August 2009 to current year (seasonal records only).

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 6,335 ft above NGVD of 1929, from topographic map. Prior to Mar. 3, 2011 at datum 3.38 ft higher.

REMARKS.--Records fair except estimated daily discharges, which are poor. Natural flow of stream may be affected at times by minor diversions upstream for irrigation and livestock use.

EXTREMES FOR PERIOD OF RECORD.--(seasonal only) Maximum discharge, 65 ft<sup>3</sup>/s, Apr. 29, 2010, gage height, 2.10 ft (datum then in use); minimum daily, 0.25 ft<sup>3</sup>/s, June 26 and Sept. 10-11, 2012.

EXTREMES FOR CURRENT YEAR.--(seasonal only) Maximum discharge, 7.3 ft<sup>3</sup>/s, Apr. 19, gage height, 3.69 ft; maximum gage height, 3.80 ft, July 16, backwater from beaver dam; minimum daily, 0.25 ft<sup>3</sup>/s, June 26 and Sept. 10-11.

## 06708600 WEST PLUM CREEK NEAR PERRY PARK, CO—Continued

**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	0.35	---	---	---	---	---	1.8	3.7	1.00	0.36	0.39	0.28
2	0.34	---	---	---	---	---	1.8	3.5	1.0	0.27	0.39	0.30
3	0.34	---	---	---	---	---	2.6	3.5	1.1	0.35	0.40	0.31
4	0.34	---	---	---	---	---	2.6	3.1	0.92	0.36	0.47	0.29
5	0.35	---	---	---	---	---	2.4	2.8	0.76	0.34	0.48	0.29
6	---	---	---	---	---	---	2.7	2.7	0.74	0.54	0.45	0.30
7	---	---	---	---	---	---	3.7	3.2	0.76	e0.40	0.42	0.31
8	---	---	---	---	---	---	4.0	3.2	0.71	e0.55	0.30	0.27
9	---	---	---	---	---	---	4.0	2.8	0.61	e1.4	0.28	0.26
10	---	---	---	---	---	---	3.8	2.6	0.55	e0.50	0.28	0.25
11	---	---	---	---	---	---	3.8	2.4	0.49	e0.47	0.28	0.25
12	---	---	---	---	---	---	4.1	2.6	0.51	e0.45	0.29	0.54
13	---	---	---	---	---	---	3.9	3.0	0.56	e0.45	0.34	0.37
14	---	---	---	---	---	---	3.6	2.6	0.52	e0.40	0.32	0.34
15	---	---	---	---	---	---	5.2	2.3	0.50	e0.40	0.27	0.31
16	---	---	---	---	---	---	4.6	2.1	0.47	e0.40	0.29	0.31
17	---	---	---	---	---	---	4.7	2.0	0.43	0.33	0.27	0.30
18	---	---	---	---	---	---	5.4	1.8	0.35	0.36	0.26	0.34
19	---	---	---	---	---	---	6.3	1.8	0.29	0.35	0.26	0.30
20	---	---	---	---	---	---	6.7	1.8	0.31	0.33	0.26	0.32
21	---	---	---	---	---	---	6.5	1.7	0.28	0.34	0.30	0.28
22	---	---	---	---	---	---	6.4	1.5	0.27	0.37	0.30	0.28
23	---	---	---	---	---	---	6.0	1.5	0.28	0.38	0.35	0.32
24	---	---	---	---	---	---	6.3	1.9	0.27	0.36	0.33	0.26
25	---	---	---	---	---	---	6.0	1.4	0.27	0.38	0.27	0.30
26	---	---	---	---	---	---	5.2	1.3	0.25	0.36	0.26	0.33
27	---	---	---	---	---	---	5.2	1.1	0.32	0.35	0.26	0.30
28	---	---	---	---	---	---	4.8	1.1	0.31	0.36	0.29	0.30
29	---	---	---	---	---	---	4.3	1.1	0.30	0.39	0.27	0.35
30	---	---	---	---	---	---	4.1	0.98	0.31	0.50	0.27	0.32
31	---	---	---	---	---	---	---	0.99	---	0.50	0.30	---
<b>Total</b>	---	---	---	---	---	---	132.5	68.07	15.44	13.30	9.90	9.28
<b>Mean</b>	---	---	---	---	---	---	4.42	2.20	0.51	0.43	0.32	0.31
<b>Max</b>	---	---	---	---	---	---	6.7	3.7	1.1	1.4	0.48	0.54
<b>Min</b>	---	---	---	---	---	---	1.8	0.98	0.25	0.27	0.26	0.25
<b>Ac-ft</b>	---	---	---	---	---	---	263	135	31	26	20	18

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