



Water-Data Report 2012

13190565 PIERCE CREEK AT MOUTH NEAR PRAIRIE ID

Middle Snake-Boise Basin
South Fork Boise Subbasin

LOCATION.--Lat 43°24'11", long 115°33'37" referenced to North American Datum of 1983, in SE ¼ NE ¼ SW ¼ sec.24, T.1 N., R.7 E., Elmore County, ID,
Hydrologic Unit 17050113,

DRAINAGE AREA.--5.10 mi²

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2011 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3690 ft above NGVD of 1929, from topographic map.

COOPERATION.--Site operated in cooperation with Bureau of Reclamation, Snake River Area Office - West.

REMARKS.--No estimated daily discharges. Records fair except for the period of May 17 through August 9, which are rated poor. Station equipment includes crest-stage gage.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 9.4 ft³/s March 17; minimum daily, 0.40 ft³/s July 10, 18, 23, 27, 30 and August 27.

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13190565 PIERCE CREEK AT MOUTH NEAR PRAIRIE ID—Continued

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

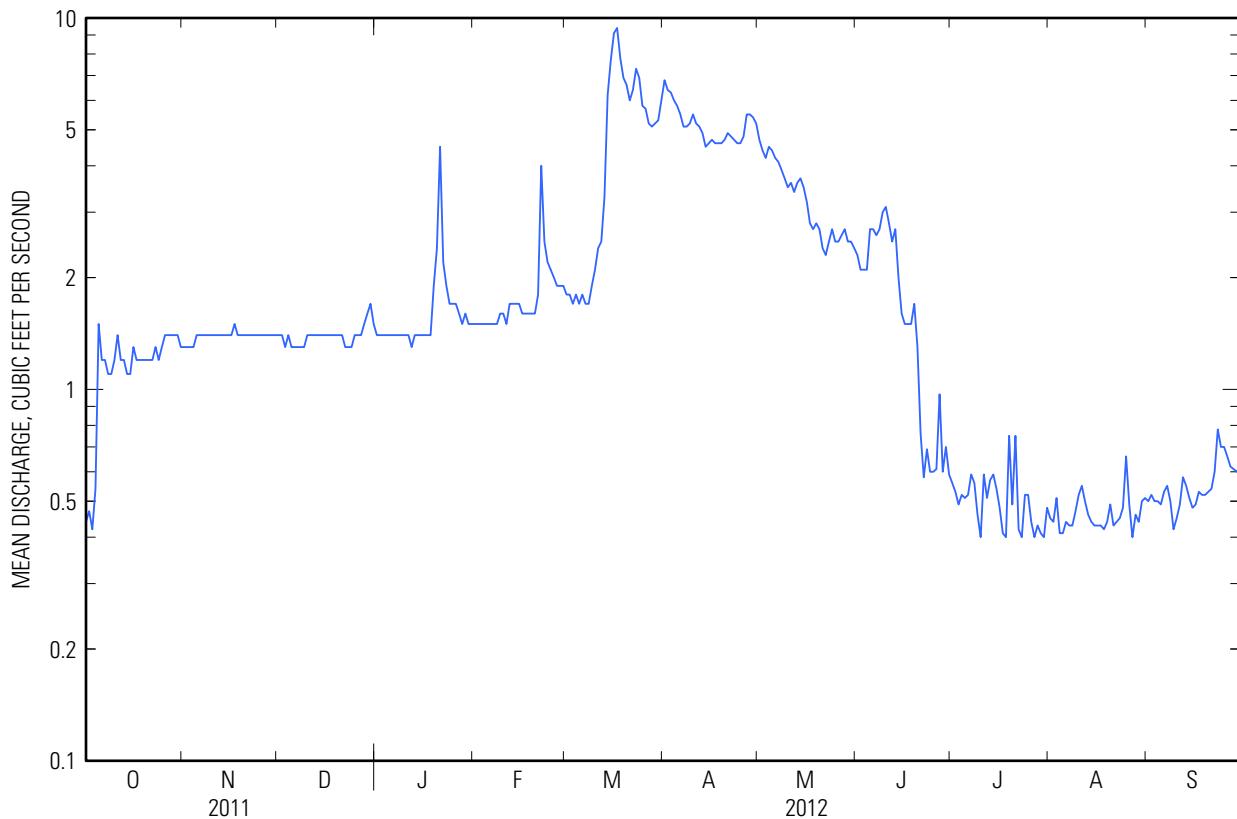
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.44	1.3	1.4	1.4	1.5	1.8	6.8	4.7	2.3	0.56	0.45	0.50
2	0.47	1.3	1.4	1.4	1.5	1.8	6.4	4.4	2.1	0.53	0.44	0.52
3	0.42	1.3	1.3	1.4	1.5	1.7	6.3	4.2	2.1	0.49	0.51	0.50
4	0.54	1.3	1.4	1.4	1.5	1.8	6.0	4.5	2.1	0.52	0.41	0.50
5	1.5	1.4	1.3	1.4	1.5	1.7	5.8	4.4	2.7	0.51	0.41	0.49
6	1.2	1.4	1.3	1.4	1.5	1.8	5.5	4.2	2.7	0.52	0.44	0.53
7	1.2	1.4	1.3	1.4	1.5	1.7	5.1	4.1	2.6	0.59	0.43	0.55
8	1.1	1.4	1.3	1.4	1.5	1.7	5.1	3.9	2.7	0.56	0.43	0.50
9	1.1	1.4	1.3	1.4	1.6	1.9	5.2	3.7	3.0	0.46	0.47	0.42
10	1.2	1.4	1.4	1.4	1.6	2.1	5.5	3.5	3.1	0.40	0.52	0.45
11	1.4	1.4	1.4	1.4	1.5	2.4	5.2	3.6	2.8	0.59	0.55	0.49
12	1.2	1.4	1.4	1.3	1.7	2.5	5.1	3.4	2.5	0.51	0.50	0.58
13	1.2	1.4	1.4	1.4	1.7	3.3	4.9	3.6	2.7	0.57	0.46	0.55
14	1.1	1.4	1.4	1.4	1.7	6.2	4.5	3.7	2.0	0.59	0.44	0.51
15	1.1	1.4	1.4	1.4	1.7	7.7	4.6	3.5	1.6	0.54	0.43	0.48
16	1.3	1.4	1.4	1.4	1.6	9.1	4.7	3.2	1.5	0.48	0.43	0.49
17	1.2	1.5	1.4	1.4	1.6	9.4	4.6	2.8	1.5	0.41	0.43	0.53
18	1.2	1.4	1.4	1.4	1.6	7.8	4.6	2.7	1.5	0.40	0.42	0.52
19	1.2	1.4	1.4	1.9	1.6	6.9	4.6	2.8	1.7	0.75	0.44	0.52
20	1.2	1.4	1.4	2.4	1.6	6.6	4.7	2.7	1.3	0.49	0.49	0.53
21	1.2	1.4	1.4	4.5	1.8	6.0	4.9	2.4	0.76	0.75	0.43	0.54
22	1.2	1.4	1.3	2.2	4.0	6.4	4.8	2.3	0.58	0.42	0.44	0.60
23	1.3	1.4	1.3	1.9	2.5	7.3	4.7	2.5	0.69	0.40	0.45	0.78
24	1.2	1.4	1.3	1.7	2.2	6.9	4.6	2.7	0.60	0.52	0.48	0.70
25	1.3	1.4	1.4	1.7	2.1	5.8	4.6	2.5	0.60	0.52	0.66	0.70
26	1.4	1.4	1.4	1.7	2.0	5.7	4.8	2.5	0.61	0.44	0.49	0.66
27	1.4	1.4	1.4	1.6	1.9	5.2	5.5	2.6	0.97	0.40	0.40	0.62
28	1.4	1.4	1.5	1.5	1.9	5.1	5.5	2.7	0.60	0.43	0.46	0.61
29	1.4	1.4	1.6	1.6	1.9	5.2	5.4	2.5	0.70	0.41	0.44	0.60
30	1.4	1.4	1.7	1.5	---	5.3	5.2	2.5	0.59	0.40	0.50	0.62
31	1.3	---	1.5	1.5	---	6.0	---	2.4	---	0.48	0.51	---
Total	35.77	41.7	43.2	50.8	51.8	144.8	155.2	101.2	51.20	15.64	14.36	16.59
Mean	1.15	1.39	1.39	1.64	1.79	4.67	5.17	3.26	1.71	0.50	0.46	0.55
Max	1.5	1.5	1.7	4.5	4.0	9.4	6.8	4.7	3.1	0.75	0.66	0.78
Min	0.42	1.3	1.3	1.3	1.5	1.7	4.5	2.3	0.58	0.40	0.40	0.42
Ac-ft	71	83	86	101	103	287	308	201	102	31	28	33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2011 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.15	1.39	1.39	1.64	1.79	4.67	5.17	3.26	2.96	1.05	0.56	0.52
Max	1.15	1.39	1.39	1.64	1.79	4.67	5.17	3.26	4.22	1.59	0.67	0.55
(WY)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2011)	(2011)	(2011)	(2012)
Min	1.15	1.39	1.39	1.64	1.79	4.67	5.17	3.26	1.71	0.50	0.46	0.50
(WY)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2011)

13190565 PIERCE CREEK AT MOUTH NEAR PRAIRIE ID—Continued**SUMMARY STATISTICS**

	Water Year 2012		Water Years 2011 - 2012	
Annual total	722.26			
Annual mean	1.97		1.97	
Highest annual mean			1.97	2012
Lowest annual mean			1.97	2012
Highest daily mean	9.4	Mar 17	14	May 15, 2011
Lowest daily mean	0.40	Jul 10	0.40	Jul 10, 2012
Annual seven-day minimum	0.43	Jul 26	0.43	Jul 26, 2012
Annual runoff (ac-ft)	1,430		1,430	
10 percent exceeds	4.8		4.8	
50 percent exceeds	1.4		1.4	
90 percent exceeds	0.47		0.47	



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13190565 PIERCE CREEK AT MOUTH NEAR PRAIRIE ID—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--May 2011 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 2011 to current year.

INSTRUMENTATION.--Temperature recorder, with thermistor embedded inside submersible pressure transducer located in galvanized pipe on right bank at gage.

REMARKS.--Records good. Records represent water temperature at sensor within 0.2 °C. Temperature at sensor represents average cross section temperature of creek at sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 17.5°C, July 20, 2012; minimum, 0.3°C, Jan. 28, 2012.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 17.5°C, July 20; minimum, 0.3°C, Jan. 28.

**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	
October				November				December				January	
1	13.6	11.3	12.5	7.0	5.0	5.9	3.7	2.1	2.7	2.9	1.2	2.1	
2	13.3	11.0	12.1	5.1	3.1	4.2	3.0	1.7	2.2	4.4	2.5	3.6	
3	13.9	10.9	12.3	6.2	4.3	5.1	2.3	0.9	1.5	3.8	2.7	3.2	
4	13.0	11.4	12.3	5.8	4.9	5.5	3.6	2.1	2.9	3.4	2.0	2.7	
5	11.7	9.4	10.8	5.1	3.8	4.7	3.1	0.9	1.9	4.6	2.5	3.3	
6	9.6	8.4	8.7	5.1	3.1	4.0	1.8	0.8	1.3	3.5	2.1	2.9	
7	9.3	8.4	8.9	5.3	3.8	4.4	2.0	0.9	1.4	3.3	2.0	2.8	
8	10.0	7.3	8.7	4.4	2.4	3.5	2.0	0.7	1.3	3.3	1.6	2.4	
9	9.7	6.8	8.3	4.8	2.4	3.6	2.1	0.8	1.3	2.8	1.2	2.0	
10	9.6	7.7	8.7	5.7	3.7	4.5	2.3	1.0	1.5	3.4	1.8	2.4	
11	10.4	9.0	9.5	5.6	2.8	4.3	2.5	1.3	1.9	2.4	1.1	1.7	
12	9.7	7.1	8.4	5.7	4.3	4.9	2.6	1.4	2.0	1.8	0.8	1.2	
13	10.0	7.4	8.6	6.1	4.1	5.0	2.3	1.1	1.7	1.8	0.7	1.3	
14	10.9	8.4	9.5	5.8	4.5	5.2	2.8	1.7	2.1	2.4	1.0	1.7	
15	11.2	8.8	10.0	5.5	3.7	4.8	2.9	1.8	2.3	2.5	1.4	1.9	
16	10.6	9.6	10.2	4.3	2.1	3.3	2.4	1.2	1.9	1.8	0.8	1.2	
17	10.0	7.6	8.8	5.7	4.1	4.9	2.3	1.2	1.8	1.7	0.6	1.1	
18	9.3	6.5	7.9	5.4	4.1	4.8	2.5	1.2	1.8	1.6	0.8	1.2	
19	10.1	8.0	9.0	4.4	2.8	3.7	2.4	1.4	1.9	2.0	0.9	1.4	
20	9.7	7.1	8.4	3.5	1.6	2.6	2.4	1.0	1.7	3.3	0.8	2.4	
21	9.8	7.6	8.7	4.5	2.7	3.6	2.7	1.4	2.3	3.3	0.5	2.4	
22	9.6	7.0	8.3	5.1	3.9	4.5	1.8	0.6	1.1	3.0	1.7	2.6	
23	9.6	6.9	8.3	6.1	4.5	5.4	1.8	0.5	1.1	4.1	2.4	3.3	
24	9.1	7.2	8.1	6.3	5.1	5.6	1.9	0.7	1.2	3.4	2.1	2.8	
25	7.3	5.1	6.3	5.5	3.4	4.9	2.1	0.9	1.4	4.7	2.6	3.6	
26	6.4	4.2	5.3	3.5	2.1	2.9	2.0	0.9	1.4	4.4	2.8	3.6	
27	6.5	4.1	5.2	4.5	2.4	3.4	3.2	1.7	2.5	3.2	0.5	1.9	
28	6.8	3.8	5.2	6.0	4.0	5.0	3.4	2.4	2.9	1.4	0.3	0.7	
29	8.2	5.6	6.7	5.8	4.2	4.8	4.4	2.9	3.8	2.7	0.6	1.7	
30	7.6	5.1	6.3	5.4	3.7	4.6	4.4	3.4	4.0	3.7	2.3	2.8	
31	9.0	6.9	7.7	---	---	---	3.5	1.3	2.5	3.2	1.3	2.2	
Month	13.9	3.8	8.7	7.0	1.6	4.5	4.4	0.5	2.0	4.7	0.3	2.3	

13190565 PIERCE CREEK AT MOUTH NEAR PRAIRIE ID—Continued
**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
February				March				April				May
1	4.0	1.9	3.1	3.3	1.8	2.5	6.3	3.8	5.0	8.6	5.7	7.2
2	3.3	1.6	2.5	3.9	1.0	2.4	6.9	2.7	4.5	8.4	5.3	6.9
3	2.0	0.6	1.3	4.7	2.8	3.7	7.3	3.1	5.1	8.5	6.7	7.4
4	2.3	0.5	1.3	5.9	2.5	3.8	6.9	4.3	5.8	9.3	5.8	7.2
5	2.1	0.6	1.4	5.6	2.6	4.0	6.7	2.7	4.5	7.9	4.9	6.2
6	1.8	0.5	1.2	4.7	2.2	3.8	6.0	3.2	4.3	9.1	3.7	6.3
7	3.3	1.6	2.5	4.0	0.7	2.3	7.5	2.3	4.5	10.2	4.6	7.3
8	4.4	2.8	3.4	5.1	1.3	2.9	9.3	4.2	6.4	11.2	5.7	8.3
9	4.6	2.9	3.7	6.0	2.0	3.5	9.7	5.3	7.1	12.2	6.3	9.2
10	5.4	3.5	4.2	6.5	2.3	4.0	10.2	6.0	7.7	10.5	7.7	9.2
11	5.0	3.6	4.2	5.8	3.2	4.2	8.5	6.2	7.3	9.5	5.5	7.6
12	5.6	3.4	4.5	5.4	3.6	4.4	8.5	5.1	6.4	10.9	5.7	8.1
13	4.3	2.1	3.1	5.1	3.5	4.5	8.4	3.9	6.0	11.9	6.2	8.9
14	3.8	1.5	2.6	4.6	3.6	4.0	8.3	4.5	6.3	12.8	6.9	9.8
15	4.3	2.3	3.2	4.5	3.3	3.9	8.5	4.0	6.1	12.3	8.5	10.4
16	3.4	0.8	2.2	5.2	3.3	4.2	7.5	4.0	5.8	13.5	8.7	11.0
17	5.3	2.9	3.7	4.7	3.6	4.3	9.7	5.8	7.4	11.3	9.3	10.3
18	4.4	2.2	3.6	5.0	3.7	4.3	9.4	6.4	7.6	11.3	8.0	9.4
19	3.1	0.7	1.8	5.3	2.8	3.8	9.5	5.3	7.1	10.9	6.2	8.6
20	2.8	0.6	1.7	3.9	2.1	3.1	11.8	7.3	9.0	12.4	8.3	10.1
21	4.8	2.3	3.5	7.7	3.7	5.3	12.0	5.9	8.7	13.2	8.9	11.0
22	4.0	1.9	3.1	8.3	5.1	6.2	12.9	6.4	9.3	11.9	10.0	11.0
23	4.5	2.3	3.1	7.9	4.5	5.9	12.3	8.1	10	10.3	8.2	9.3
24	4.4	1.2	2.6	8.2	3.7	5.6	11.8	8.1	9.8	9.7	6.1	8.0
25	3.8	2.6	3.1	8.0	4.6	6.1	11.4	7.2	9.2	10.0	7.4	8.5
26	4.0	1.8	2.7	6.2	4.8	5.4	9.6	6.8	8.5	8.9	7.3	8.1
27	4.0	1.5	2.5	7.2	3.4	5.2	7.3	4.6	6.0	9.5	7.6	8.5
28	3.3	0.6	1.9	6.3	4.5	5.7	9.0	3.7	6.1	10.5	6.5	8.5
29	3.8	2.3	2.9	6.4	4.0	5.0	9.6	4.5	6.9	12.1	7.7	9.8
30	---	---	---	6.5	5.1	5.8	8.8	5.6	7.2	12.2	7.9	10.0
31	---	---	---	9.3	5.3	6.7	---	---	---	13.0	8.6	10.8
Month	5.6	0.5	2.8	9.3	0.7	4.4	12.9	2.3	6.9	13.5	3.7	8.8

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13190565 PIERCE CREEK AT MOUTH NEAR PRAIRIE ID—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	14.0	9.4	11.6	15.4	11.0	13.1	16.5	12.1	14.2	15.3	12.6	13.7
2	14.4	10.7	12.4	15.4	11.1	13.3	16.1	12.0	13.9	13.9	9.9	11.9
3	14.4	10.5	12.4	15.0	12.0	13.4	15.8	11.6	13.6	13.9	9.6	11.6
4	15.2	11.3	12.9	14.6	9.5	12.1	16.3	12.4	14.1	13.9	9.7	11.8
5	12.0	8.7	10.4	15.5	12.1	13.6	16.4	11.9	14.1	14.0	9.8	11.8
6	10.5	6.9	8.7	15.7	12.9	14.4	17.2	14.1	15.3	13.1	10.7	11.7
7	11.2	6.4	8.9	16.2	12.1	14.0	17.1	12.7	14.7	13.6	9.6	11.4
8	10.8	8.7	9.9	16.3	12.8	14.3	16.4	13.6	15.0	13.9	9.7	11.6
9	9.1	7.2	7.8	17.1	12.9	14.8	17.2	13.5	15.1	15.3	11.7	13.3
10	10.9	7.0	8.8	17.0	13.9	15.3	15.5	14.1	14.7	13.7	11.0	12.4
11	12.1	7.0	9.5	16.6	13.0	14.6	16.3	12.5	14.2	12.8	9.3	11.0
12	12.8	8.4	10.6	17.1	13.1	15.0	15.7	11.6	13.6	12.2	7.7	10
13	13.3	10.3	11.7	15.1	14.0	14.6	16.0	12.1	13.9	12.6	8.2	10.3
14	12.8	8.5	10.6	16.6	13.6	14.9	15.9	11.9	13.8	13.0	8.6	10.8
15	13.5	9.1	11.1	16.5	13.5	15.0	16.0	11.9	13.8	13.2	9.0	11.1
16	13.4	8.8	11.2	15.4	13.6	14.5	16.2	12.3	14.1	13.4	9.7	11.5
17	14.2	9.3	11.6	16.9	13.8	15.1	15.8	12.0	13.8	12.9	9.3	11.1
18	13.1	10.2	11.7	17.0	13.8	15.2	16.1	12.4	14.0	12.8	9.0	10.8
19	11.7	8.4	10.2	16.6	13.1	14.8	15.2	13.3	14.3	12.6	8.6	10.6
20	12.5	7.3	10	17.5	14.0	15.6	16.1	12.7	14.3	12.6	9.0	10.8
21	14.1	9.3	11.7	16.9	12.9	14.8	15.9	13.1	14.4	12.4	8.8	10.5
22	14.5	11.3	12.9	17.0	12.9	14.8	15.9	12.5	14.1	12.6	8.9	10.7
23	14.4	10.3	12.4	17.1	14.2	15.5	15.4	11.6	13.4	12.3	10.6	11.6
24	14.6	10.3	12.4	16.5	13.0	14.7	14.6	11.1	12.9	12.8	9.7	11.3
25	14.7	10.5	12.6	16.3	12.7	14.4	14.0	9.5	11.8	13.4	11.0	12.1
26	12.9	10.6	11.7	17.1	12.8	14.8	15.7	11.5	13.5	13.4	10.6	11.9
27	13.2	8.3	10.8	17.3	13.5	15.2	16.5	13.4	14.7	12.7	9.3	11.0
28	14.2	9.1	11.7	17.1	12.7	14.7	15.7	11.8	13.6	12.8	9.3	11.0
29	14.1	9.8	12.0	16.9	12.9	14.7	14.5	10.6	12.6	13.1	10.0	11.6
30	15.0	10.0	12.5	16.7	12.3	14.4	14.4	10.3	12.2	12.7	9.2	10.9
31	---	---	---	16.7	12.3	14.4	14.6	11.2	12.8	---	---	---
Month	15.2	6.4	11.1	17.5	9.5	14.5	17.2	9.5	13.9	15.3	7.7	11.4

	Max	Min	Mean
Year	17.5	0.3	7.6