12334570 CLARK FORK BYPASS NEAR BONNER, MT

Pend Oreille Basin
Upper Clark Fork Subbasin

LOCATION.--Lat 46°51'53.50", long 113°52'35.20" referenced to North American Datum of 1927, in SE ¼ SE ¼ SE ¼ sec.21, T.13 N., R.18 W., Missoula County, MT, Hydrologic Unit 17010201, at Bridge 0.7 mi upstream from the confluence with the Blackfoot River and 1 mi southwest of Bonner.

DRAINAGE AREA.--3,680 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2008 to July 2008.

GAGE.--None. Elevation at site is 3,280 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--Instantaneous discharge is estimated as equal to the discharge of Clark Fork at Turah Bridge, near Bonner (station 12334550).

12334570 CLARK FORK BYPASS NEAR BONNER, MT—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 1 of 2
[Remark codes: E, estimated.]

Date	Time	Temperature, air, deg C (00020)	Instantaneous discharge, ft³/s (00061)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm @ 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recoverable, µg/L (01042)
Mar													
02...	1230	11.0	E970	8.6	351	4.5	160	46.3	11.9	.04	.08	2.9	11.5
16...	1315	3.5	E1,030	8.4	337	4.0	160	44.5	10.8	.04	.09	2.8	12.5
25...	1300	3.0	E1,480	8.4	309	3.0	140	39.3	10.4	.04	.18	6.2	30.3
27...	1130	7.0	E1,180	8.4	331	2.0	150	42.1	10.8	.04	.13	3.6	17.5
31...	1140	7.0	E1,100	8.3	336	4.0	160	44.2	11.3	.03	.09	3.2	13.8
Apr													
06...	1200	10.5	E1,160	8.1	349	6.0	160	45.2	12.0	.03	.07	3.7	11.8
14...	1230	8.0	E2,930	8.0	228	5.5	100	28.4	7.63	.05	.31	6.8	56.5
21...	1210	21.0	E2,990	7.9	223	9.5	97	27.0	7.24	.06	.32	5.0	44.5
27...	1230	8.5	E3,670	8.2	233	6.0	110	30.2	7.51	.05	.26	4.8	41.8
May													
04...	1230	E9.5	E2,660	8.3	247	12.0	110	32.2	8.23	.03	.19	4.2	28.8
11...	1200	14.5	E3,460	8.4	230	9.0	110	29.6	7.71	.03	.13	3.9	19.1
18...	1215	33.0	E4,430	8.1	193	11.5	88	25.1	6.25	.03	.56	3.9	60.8
22...	1130	17.3	E6,680	8.0	154	9.5	69	19.6	4.77	.06	.62	8.1	104
26...	1345	26.1	E7,310	8.0	152	11.0	69	19.9	4.64	.07	1.09	10.5	164
31...	0900	16.7	E7,380	8.0	146	12.0	66	19.1	4.37	.06	.48	8.4	66.5
Jun													
04...	1435	25.0	E5,480	8.0	176	15.0	77	22.6	5.08	.07	.41	7.9	66.4
08...	1130	10.0	E5,330	8.1	190	9.0	83	24.0	5.57	.07	.29	7.4	49.9
15...	1230	20.0	E3,210	8.3	207	13.5	95	27.6	6.42	.05	.19	5.3	27.9
23...	1400	20.5	E4,370	8.3	222	12.5	100	29.9	6.96	.06	.24	8.2	44.0
Jul													
15...	0950	17.0	E1,870	8.2	280	15.0	130	36.7	8.44	.04	.09	4.4	12.3
Aug													
19...	0945	19.0	E1,160	8.2	326	16.0	150	41.5	10.4	.04	.10	3.6	11.1

12334570 CLARK FORK BYPASS NEAR BONNER, MT—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 2 of 2
[Remark codes: E, estimated.]

Date	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover -able, µg/L (01055)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)	Suspnd. sedimnt sieve diametr percent <0.0625 mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
Mar													
02...	7	249	E.06	1.86	8.7	43.7	2.8	16.5	5.0	6.1	80	13	E34
16...	8	298	.07	2.06	9.8	46.6	4.4	19.4	4.7	6.0	71	18	E50
25...	28	902	.13	5.32	12.8	95.0	6.9	39.5	6.3	9.6	55	65	E260
27...	14	484	.09	2.77	14.0	57.2	6.1	23.9	5.4	7.4	67	25	E80
31...	7	357	.07	2.05	13.4	50.2	6.4	23.5	5.2	6.3	68	19	E56
Apr													
06...	10	280	.10	1.76	11.4	42.3	3.6	15.2	5.7	6.7	62	17	E53
14...	34	1,880	.19	10.9	14.2	214	6.5	83.4	6.5	13.2	61	128	E1,010
21...	31	1,740	.18	9.30	12.2	171	8.3	74.9	5.3	10.7	54	126	E1,020
27...	29	1,020	.17	7.70	12.2	121	10.3	70.8	5.6	10.3	47	86	E852
May													
04...	24	738	.15	4.76	8.1	82.9	6.9	40.0	4.8	7.9	49	55	E395
11...	33	539	.12	3.47	15.1	69.7	3.9	27.4	5.6	7.3	55	38	E355
18...	30	1,410	.15	9.46	17.4	247	3.7	149	5.1	10.7	52	93	E1,110
22...	35	2,420	.24	17.2	18.5	232	8.2	150	6.9	15.8	44	214	E3,860
26...	37	3,050	.27	17.4	21.8	533	10.0	229	8.6	20.5	51	227	E4,480
31...	30	1,750	.18	10.6	16.4	192	9.4	120	8.2	14.1	46	157	E3,130
Jun													
04...	26	1,340	.17	9.84	26.5	159	9.6	115	8.6	14.8	34	183	E2,710
08...	27	1,090	.17	7.83	22.5	127	7.7	75.1	8.5	13.0	36	110	E1,580
15...	19	686	.10	4.40	16.0	83.8	5.2	45.1	7.5	9.5	30	70	E607
23...	24	1,160	.12	7.19	18.3	163	6.8	76.0	8.8	13.4	43	87	E1,030
Jul													
15...	16	220	.11	1.33	18.7	47.8	4.4	16.7	7.6	7.8	41	20	E101
Aug													
19...	6	261	.06	1.87	12.4	57.9	3.3	15.9	7.7	9.0	58	18	E56