12390700 PROSPECT CREEK AT THOMPSON FALLS, MT

Pend Oreille Basin
Lower Clark Fork Subbasin

LOCATION.--Lat 47°35′10″, long 115°21′15″ referenced to North American Datum of 1927, in SE ¼ SE ¼ SE ¼ sec.7, T.21 N., R.29 W., Sanders County, Hydrologic Unit 17010213, lot 12,on right bank 500 ft downstream from Dry Creek, 0.5 mi upstream from mouth, and 0.7 mi south of Thompson Falls.

DRAINAGE AREA.--182 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1956 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,382.40 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--Records are good. No known regulation or diversions occur upstream from station. U.S. Geological Survey satellite telemeter is located at the station. Several unpublished observations of water temperature and specific conductance were made during the year.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	57	43	55	155	149	114	270	938	533	188	81	57
2	44	44	56	151	148	114	300	781	551	177	78	56
3	39	40	56	144	148	116	312	663	588	168	77	55
4	43	42	56	135	150	119	329	594	582	161	75	54
5	39	42	57	128	149	123	364	551	565	155	74	54
6	38	44	55	124	147	131	432	554	521	159	74	53
7	38	43	54	122	144	146	528	581	495	157	74	52
8	38	42	54	119	141	159	592	616	539	145	72	52
9	38	42	54	116	138	168	592	593	525	137	71	52
10	38	43	53	131	134	170	583	545	479	131	70	51
11	38	43	53	196	130	167	554	522	444	127	71	51
12	37	44	53	220	128	163	517	531	405	124	69	50
13	38	44	53	212	129	159	516	554	378	122	68	50
14	37	45	53	244	126	156	555	576	453	118	67	50
15	37	45	53	298	121	154	636	663	474	115	66	50
16	37	45	53	306	118	150	664	900	454	112	66	50
17	36	45	e50	293	e80	147	601	1,150	470	109	66	49
18	36	46	e45	276	e70	143	530	1,290	434	106	65	48
19	36	46	e48	250	e90	141	477	1,290	410	104	64	50
20	36	47	e50	233	109	138	445	1,250	380	102	63	50
21	36	47	52	213	110	135	450	1,130	354	100	63	49
22	36	48	54	194	109	133	516	991	326	98	62	48
23	36	48	57	181	109	133	570	992	303	96	60	47
24	35	49	56	171	106	133	570	897	281	94	60	46
25	35	50	56	163	101	144	553	816	262	91	60	46
26	36	50	57	156	99	162	523	757	246	89	60	45
27	36	51	61	151	101	192	516	681	232	87	59	45
28	36	52	72	148	111	224	557	643	218	86	58	44
29	36	53	80	142	---	230	656	613	210	84	57	44
30	36	55	130	145	---	229	898	576	202	83	57	43
31	37	---	148	149	---	241	---	543	---	82	58	---
Total	1,175	1,378	1,884	5,666	3,395	4,834	15,606	23,781	12,314	3,707	2,065	1,491
Mean	37.9	45.9	60.8	183	121	156	520	767	410	120	66.6	49.7
Max	57	55	148	306	150	241	898	1,290	588	188	81	57
Min	35	40	45	116	70	114	270	522	202	82	57	43
Ac-ft	2,330	2,730	3,740	11,240	6,730	9,590	30,950	47,170	24,420	7,350	4,100	2,960
Cfsm	0.21	0.25	0.33	1.00	0.67	0.86	2.86	4.21	2.26	0.66	0.37	0.27
In.	0.24	0.28	0.39	1.16	0.69	0.99	3.19	4.86	2.52	0.76	0.42	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	53.8	78.3	111	118	158	217	474	774	523	158	82.2	60.7
Max	168	469	701	735	875	828	877	1,425	1,468	317	109	79.9
(WY)	(1960)	(1996)	(1996)	(1974)	(1996)	(1972)	(1969)	(1997)	(1974)	(1997)	(1982)	(1959)
Min	28.7	28.8	29.9	29.1	26.4	31.8	84.5	297	142	73.7	48.5	35.8
(WY)	(2002)	(2002)	(1988)	(2001)	(2001)	(2001)	(2001)	(1977)	(1987)	(1977)	(1977)	(2001)

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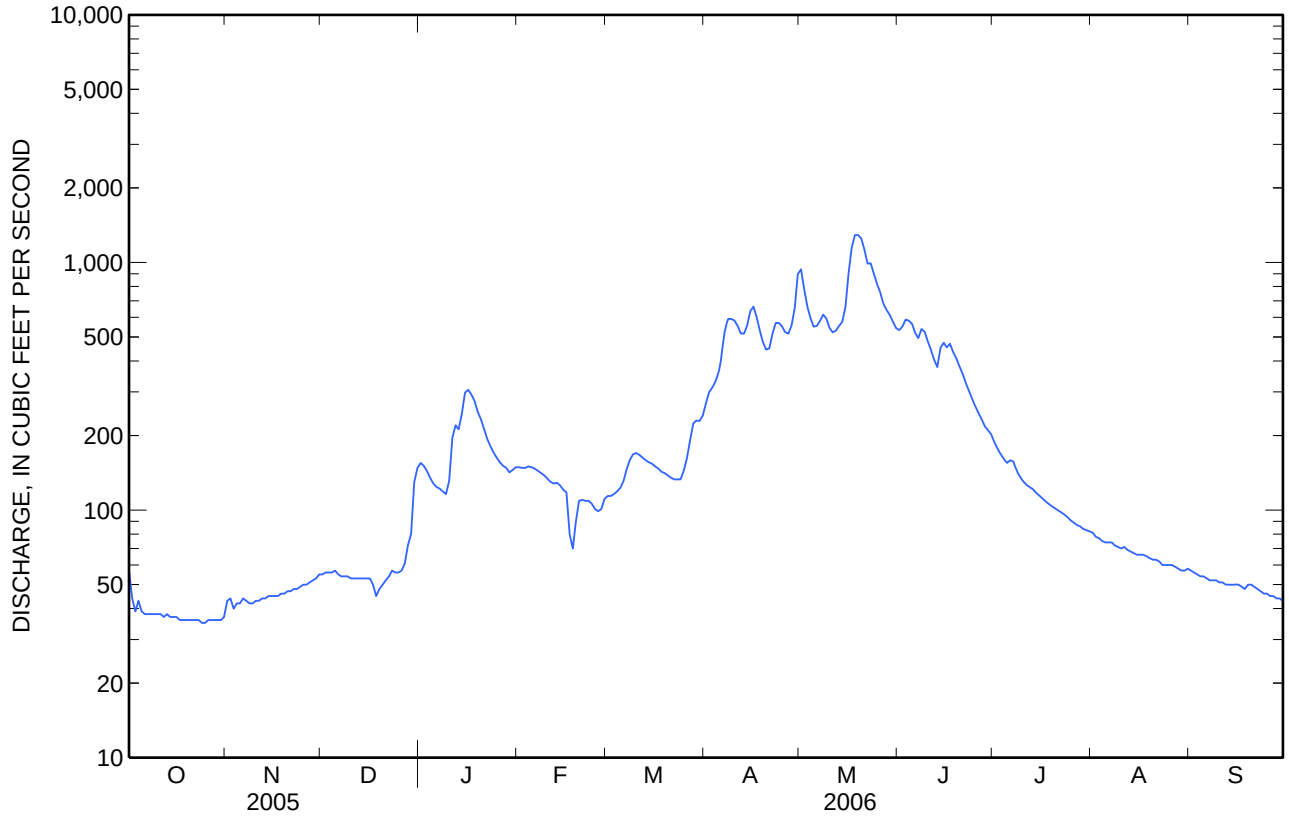
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1957 - 2006	
Annual total	50,476		77,296			
Annual mean	138		212		234	
Highest annual mean					441	1974
Lowest annual mean					85.8	2001
Highest daily mean	546	Apr 27	1,290	May 18	4,960	Jan 16, 1974
Lowest daily mean	35	Oct 24	35	Oct 24	25	Feb 19, 2001
Annual seven-day minimum	36	Oct 19	36	Oct 19	25	Feb 27, 2001
Maximum peak flow			1,390	May 18	5,490	Jan 16, 1974
Maximum peak stage			5.03	May 18	9.86	Jan 16, 1974
Instantaneous low flow			[a]35	Oct 24	22	Feb 8, 2001
Annual runoff (ac-ft)	100,100		153,300		169,600	
Annual runoff (cfsm)	0.760		1.16		1.29	
Annual runoff (inches)	10.32		15.80		17.48	
10 percent exceeds	340		567		630	
50 percent exceeds	89		116		101	
90 percent exceeds	39		43		43	

[a] Gage height, 0.50 ft.