13297330 THOMPSON CREEK NEAR CLAYTON, ID

LOCATION.--Lat 44°16'01", long 114°30'48", in NE¼NE¼SE¼ sec.24, T.11 N., R.16 E., Custer County, Hydrologic Unit 17060201, on right bank 1.2 mi (1.9 km) upstream from mouth, 2.2 mi (3.5 km) below Pat Hughes Creek, and 5.7 mi (9.2 km) west of Clayton.

DRAINAGE AREA.--29.1 mi^2 (75.4 km^2).

PERIOD OF RECORD.--November 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is about 5,700 ft (1,737 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 17.3 ft^3/s (0.490 m^3/s), 8.07 in./yr (205 mm/yr), 12,530 acre-ft/yr (15.4 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 332 ft^3/s (9.40 m^3/s) June 16, 1974, gage height, 5.61 ft (1.710 m), from floodmark; minimum, 1.0 ft^3/s (0.028 m^3/s) Mar. 16, 1980, gage height, 3.73 ft (1.137 m).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 80 ft^3/s (2.27 m^3/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)	Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)
May 2	0015	121	3.43	4.97	1.505	June 9	1000	*136	3.85	5.10	1.554

Minimum discharge, 2.0 ft^3/s (0.057 m^3/s) Nov. 14, Apr. 8, minimum gage height, 3.74 ft (1.140 m) Nov. 14.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Jan 14, 15, Feb. 10, 11;
shifting-control method used June 8 to July 23)

3.8	2.5	4.4	34
3.9	4.8	4.6	58
4.0	7.9	4.8	192
4.2	17	5.0	136

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	3.6	4.8	8.6	4.3	6.0	6.0	90	57	16	6.0	4.8
2	3.8	3.6	4.8	7.6	4.1	6.0	5.7	108	49	16	6.0	4.8
3	4.1	3.6	6.0	8.6	4.5	6.0	5.7	86	42	15	5.7	4.8
4	4.2	3.6	6.0	6.9	5.1	6.3	5.4	71	37	14	5.7	4.8
5	4.1	4.1	5.1	6.0	4.3	6.3	5.7	56	34	13	5.4	5.1
6	4.1	4.1	4.8	5.7	3.6	6.3	6.0	47	37	14	5.4	5.1
7	4.1	11	4.3	5.7	3.8	6.3	6.0	39	40	13	5.1	4.8
8	4.1	23	2.9	6.9	3.3	6.9	5.1	35	86	12	5.4	4.8
9	4.1	12	3.8	7.6	3.3	6.9	5.7	32	126	11	5.7	5.1
10	4.1	9.3	4.5	7.2	2.5	7.2	5.1	31	94	9.7	6.3	5.1
11	3.9	8.9	5.1	6.0	2.5	7.6	5.4	29	76	9.7	5.7	5.1
12	3.9	7.9	4.3	5.4	3.6	7.9	4.8	26	60	9.7	5.4	5.1
13	4.1	6.3	3.8	5.4	3.1	8.6	5.1	23	51	9.3	5.4	5.1
14	4.1	2.5	3.8	5.3	3.6	8.6	6.0	23	44	8.9	5.1	5.1
15	4.1	2.9	4.3	5.2	3.8	8.2	8.9	24	38	8.6	5.4	5.1
16	4.1	3.6	4.3	5.1	5.1	8.6	14	23	35	8.2	5.4	5.4
17	4.1	4.3	4.3	4.5	10	8.6	15	22	36	8.2	5.1	5.4
18	4.1	5.4	4.8	4.8	6.3	7.6	20	21	32	7.9	5.1	5.1
19	4.1	6.0	5.1	4.8	10	7.6	27	23	34	7.6	4.5	4.8
20	4.1	5.4	5.1	4.5	8.9	7.2	42	25	32	7.6	4.8	5.1
21	4.1	5.1	5.1	4.3	6.9	6.9	36	32	30	7.2	5.1	5.1
22	4.0	5.1	5.1	4.3	6.6	6.6	32	39	27	7.2	4.8	5.4
23	3.4	4.5	5.1	4.3	6.6	6.6	35	40	25	7.2	4.5	5.4
24	3.3	4.8	4.8	4.1	6.9	6.0	47	45	23	8.2	4.3	5.1
25	3.6	3.6	5.1	4.1	6.6	6.0	57	53	23	6.6	4.5	5.7
26	3.6	4.5	8.6	4.1	6.6	6.3	54	58	23	7.6	4.5	6.0
27	3.6	4.3	12	4.1	6.3	6.0	49	58	21	6.9	4.5	6.0
28	3.3	4.3	12	4.1	6.3	6.0	46	57	20	6.3	4.3	6.3
29	3.6	4.8	9.7	4.1	---	7.2	51	56	18	6.0	4.5	6.0
30	3.6	4.8	10	4.1	---	6.6	67	60	17	6.0	4.3	6.0
31	3.6	---	9.7	3.3	---	6.0	---	64	---	6.3	4.5	---
TOTAL	120.8	176.9	179.1	166.7	148.5	214.9	678.6	1396	1267	294.9	158.4	157.5
MEAN	3.90	5.90	5.78	5.38	5.30	6.93	22.6	45.0	42.2	9.51	5.11	5.25
MAX	4.2	23	12	8.6	10	8.6	67	108	126	16	6.3	6.3
MIN	3.3	2.5	2.9	3.3	2.5	6.0	4.8	21	17	6.0	4.3	4.8
CFSM	.13	.20	.20	.19	.18	.24	.78	1.55	1.45	.33	.18	.18
IN.	.15	.23	.23	.21	.19	.27	.87	1.78	1.62	.38	.20	.20
AC-FT	240	351	355	331	295	426	1350	2770	2510	585	314	312

CAL YR 1980 TOTAL 6974.5 MEAN 19.1 MAX 134 MIN 1.8 CFSM .66 IN 8.92 AC-FT 13830
WTR YR 1981 TOTAL 4959.3 MEAN 13.6 MAX 126 MIN 2.5 CFSM .47 IN 6.34 AC-FT 9840