13297330 THOMPSON CREEK NEAR CLAYTON, ID

LOCATION.--Lat 44°16'01", long 114°30'48", in NE1/4 NE1/4 SE1/4 sec.24, T.11 N., R.16 E., Custer County, Hydrologic Unit 17080201, on right bank 1.2 mi upstream from mouth, 2.2 mi below Pat Hughes Creek, and 5.7 mi west of Clayton.

DRAINAGE AREA.--29.1 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 5,700 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 13, 1982, recording gage at site 200 ft upstream at datum 2 ft higher.

REMARKS.--Estimated daily discharges: Dec. 2-12, 14-24, Jan. 1, 11-16, 23-27, Jan. 29 to Feb. 7, Feb. 17-19, 21, 26-28, Mar. 3-10. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--13 years, 18.8 ft^3/s, 8.77 in./yr, 13,620 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 332 ft^3/s June 16, 1974, gage height, 5.61 ft from floodmark; minimum, 1.0 ft^3/s Mar. 18, 1980, gage height, 3.73 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 60 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 3	1745	* 69	* 2.67		No peaks greater than base.		

Minimum daily discharge, 3.4 ft^3/s Dec. 3.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Stage-discharge relation affected by ice Dec. 2-12, 14-24, Jan. 1, 11-16, 23-27, Jan. 29 to Feb. 7, Feb. 17-19, 21, 26-28, Mar. 3-10)

1.8	3.1	2.2	18
2.0	6.8	2.4	38
		2.7	72

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	8.7	6.2	4.4	4.5	4.8	11	47	44	15	7.1	4.0
2	8.2	8.7	4.5	5.3	5.0	4.8	13	34	40	15	6.6	4.6
3	8.2	8.7	3.4	5.5	4.9	4.7	17	63	37	14	6.8	5.1
4	8.2	8.4	3.8	5.5	4.3	4.5	16	66	36	14	6.8	5.1
5	8.2	7.1	4.6	5.3	4.5	4.8	17	57	36	13	6.4	4.8
6	8.8	7.2	5.2	5.5	4.7	4.7	19	52	41	13	6.4	5.0
7	8.8	7.2	5.4	5.5	4.9	5.3	22	51	40	13	5.8	5.9
8	9.1	7.2	5.8	5.5	5.0	5.2	26	53	40	13	5.5	8.7
9	8.7	7.2	6.0	5.5	5.2	5.4	27	54	40	12	5.5	8.5
10	8.7	7.2	6.3	5.1	5.1	5.6	32	52	37	10	5.5	9.4
11	8.2	7.2	6.0	4.9	5.0	5.8	36	49	33	10	5.7	8.0
12	8.7	7.2	5.8	4.8	5.0	6.2	37	45	32	9.7	5.9	7.2
13	8.8	7.2	5.8	4.7	5.0	6.4	41	42	32	11	5.9	6.9
14	9.2	7.2	4.8	4.9	5.1	6.6	48	40	31	9.9	5.5	6.4
15	8.1	3.7	5.8	5.3	5.1	7.5	55	38	29	9.0	5.1	6.8
16	6.8	6.2	5.7	5.5	5.0	8.3	54	37	28	8.7	4.9	6.4
17	7.0	6.4	5.4	5.5	4.7	9.6	55	37	27	8.2	4.8	6.4
18	7.2	6.9	5.1	5.5	4.8	11	53	42	26	8.2	4.9	6.4
19	7.2	7.3	4.7	5.5	4.8	11	48	48	24	8.1	5.0	6.4
20	7.2	7.0	4.9	5.5	4.8	12	42	50	22	7.7	4.8	6.4
21	7.3	7.1	5.2	5.5	4.7	13	37	52	22	7.7	4.6	6.4
22	7.5	6.8	5.5	5.4	4.8	12	34	52	21	7.7	4.4	6.4
23	7.4	6.5	5.4	5.1	4.8	12	32	53	20	7.7	4.4	5.9
24	7.7	6.4	5.1	5.3	4.8	11	28	57	19	7.7	4.4	5.8
25	8.4	6.4	5.0	5.3	4.8	11	26	58	19	7.2	4.0	5.4
26	8.7	6.0	5.1	5.3	4.5	11	25	57	19	7.2	4.0	5.1
27	8.7	3.8	5.1	5.2	4.7	9.9	24	57	18	6.8	4.0	5.1
28	7.8	6.4	5.1	5.5	4.8	10	27	59	17	6.8	4.2	5.1
29	7.7	7.3	5.1	5.4	---	10	33	56	17	7.2	4.4	5.1
30	8.7	6.8	5.1	4.7	---	9.9	39	51	16	7.7	4.4	5.1
31	8.2	---	5.0	4.6	---	10	---	47	---	7.6	4.1	---
TOTAL	250.3	205.3	161.9	162.5	135.3	234.1	974	1576	863	303.6	162.0	183.8
MEAN	8.07	6.84	5.22	5.24	4.83	8.20	32.5	50.8	28.8	9.80	5.23	6.13
MAX	9.2	8.7	6.3	5.5	5.2	13	55	66	44	15	7.1	9.4
MIN	6.7	3.7	3.4	4.4	4.3	4.5	11	37	16	6.8	4.0	4.0
CFSM	.28	.24	.18	.18	.17	.28	1.12	1.75	.99	.34	.18	.21
IN.	.32	.26	.21	.21	.17	.32	1.25	2.01	1.10	.39	.21	.23
AC-FT	498	407	321	322	268	504	1930	3130	1710	603	321	365

CAL YR 1984 TOTAL 7862.0 MEAN 21.5 MAX 116 MIN 3.4 CFSM .74 IN. 10.05 AC-FT 15590
WTR YR 1985 TOTAL 5232.0 MEAN 14.3 MAX 66 MIN 3.4 CFSM .49 IN. 6.69 AC-FT 10380

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