

05284305 SEGUCHIE CREEK AT HOLT LAKE OUTLET, NEAR GARRISON, MN

LOCATION.--Lat 46°15'07", long 93°49'38", in SE¹/₄SW¹/₄NW¹/₄ sec. 36, T.44 N., R.28 W., Crow Wing County, Hydrologic Unit 07010207, on left bank, 50 feet upstream from Holt Lake outlet and 3 miles south of Garrison.

DRAINAGE AREA.--16.7 mi².

PERIOD OF RECORD.--May 2004 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Records fair except those for estimated daily discharge, which are poor. Water levels affected by weir dam at outlet of Holt Lake. Some natural regulation from Holt Lake and other lakes upstream.

REVISIONS.--Daily-mean discharges, August 7-30, 2004 (unpublished).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	e5.3	6.4	5.1	5.1	5.3	14	12	14	12	4.6	6.0
2	7.0	e3.5	6.2	5.4	5.1	5.2	15	11	14	11	4.7	5.7
3	6.8	e2.2	6.1	5.4	5.1	5.1	15	11	13	11	4.9	5.7
4	6.3	e1.8	6.0	5.4	5.1	5.0	15	10	14	10	5.2	6.1
5	6.0	e17	5.8	5.3	5.2	4.8	15	10	17	9.0	4.8	6.4
6	6.0	30	5.8	5.3	5.2	4.9	18	10	16	8.2	4.6	7.5
7	5.9	24	5.8	5.3	5.2	4.9	18	9.7	16	7.5	4.5	7.2
8	6.2	19	5.7	5.2	5.2	4.8	18	9.6	21	7.0	4.5	6.9
9	e5.9	15	5.7	5.3	5.3	4.7	18	10	21	6.5	5.2	6.7
10	e3.2	13	6.2	5.4	5.3	4.9	19	11	21	6.1	5.2	6.6
11	e0.72	12	e6.0	5.3	5.3	4.9	20	10	21	5.6	5.0	6.4
12	e0.32	10	5.9	5.7	5.3	4.9	22	9.5	26	6.0	4.9	9.5
13	5.4	9.4	5.7	5.7	5.4	4.8	22	9.6	25	6.4	4.8	13
14	8.1	8.7	5.5	5.5	5.8	4.7	21	9.9	e23	5.8	4.7	12
15	7.3	8.3	5.3	5.4	5.7	4.8	21	9.4	e22	5.5	4.6	11
16	6.9	8.1	5.2	5.3	5.6	4.7	21	9.0	e20	5.2	4.6	11
17	6.1	8.0	5.1	5.3	5.5	4.8	20	8.7	e19	4.8	4.7	10
18	e5.7	7.9	5.0	5.3	5.5	4.7	20	9.3	e17	4.5	4.8	10
19	e3.7	7.9	4.9	5.2	5.4	4.6	19	11	e16	4.3	5.0	11
20	e0.57	8.4	4.9	5.3	5.6	4.6	19	11	e15	4.2	5.1	11
21	e0.34	8.0	4.9	5.6	5.6	4.5	18	11	e15	4.2	5.0	11
22	e0.21	7.8	4.9	5.9	5.5	4.4	17	11	e14	4.1	4.9	10
23	e0.54	7.7	4.8	5.7	5.4	4.4	16	9.8	e14	4.0	5.0	9.7
24	e1.6	7.4	4.8	5.5	5.5	4.4	15	9.4	e13	4.0	4.9	9.6
25	e1.4	7.2	4.7	5.4	5.6	4.4	15	12	13	4.4	5.0	10
26	e1.3	7.1	4.7	5.3	5.5	4.4	15	16	12	4.8	6.6	11
27	e1.2	7.2	4.7	5.3	5.4	4.5	14	16	11	4.5	6.6	11
28	e1.1	6.9	4.6	5.2	5.4	4.8	13	17	9.7	5.1	6.4	10
29	e1.8	6.7	4.7	5.2	---	5.2	13	16	9.2	4.9	6.3	9.6
30	e6.4	6.6	4.9	5.1	---	8.3	12	16	13	4.7	6.1	9.3
31	e6.6	---	4.9	5.1	---	13	---	15	---	4.7	6.1	---
TOTAL	127.90	292.1	165.8	166.4	150.8	159.4	518	350.9	494.9	190.0	159.3	270.9
MEAN	4.13	9.74	5.35	5.37	5.39	5.14	17.3	11.3	16.5	6.13	5.14	9.03
MAX	8.1	30	6.4	5.9	5.8	13	22	17	26	12	6.6	13
MIN	0.21	1.8	4.6	5.1	5.1	4.4	12	8.7	9.2	4.0	4.5	5.7
AC-FT	254	579	329	330	299	316	1,030	696	982	377	316	537

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	4.13	9.74	5.35	5.37	5.39	5.14	17.3	11.3	11.5	4.53	3.08	7.31
MAX	4.13	9.74	5.35	5.37	5.39	5.14	17.3	11.3	16.5	6.13	5.14	9.03
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
MIN	4.13	9.74	5.35	5.37	5.39	5.14	17.3	11.3	6.45	2.93	1.02	5.59
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)

05284305 SEGUCHIE CREEK AT HOLT LAKE OUTLET, NEAR GARRISON, MN—Continued

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	3,046.40			
ANNUAL MEAN	8.35		8.35	
HIGHEST ANNUAL MEAN			8.35	2005
LOWEST ANNUAL MEAN			8.35	2005
HIGHEST DAILY MEAN	30	Nov 6	30	Nov 6, 2004
LOWEST DAILY MEAN	0.21	Oct 22	0.21	Oct 22, 2004
ANNUAL SEVEN-DAY MINIMUM	0.85	Oct 20	0.30	Aug 21, 2004
MAXIMUM PEAK FLOW	a38	Nov 5	a38	Nov 5, 2004
MAXIMUM PEAK STAGE	7.72	Nov 5	7.72	Nov 5, 2004
INSTANTANEOUS LOW FLOW	b0.21	Oct 22	b0.21	Oct 22, 2004
ANNUAL RUNOFF (AC-FT)	6,040		6,050	
10 PERCENT EXCEEDS	16		16	
50 PERCENT EXCEEDS	6.0		6.0	
90 PERCENT EXCEEDS	4.6		4.6	

- a Result of beaver dam failure below gage and resulting lake drawdown.
- b Estimated, daily-mean discharge; backwater from beaver dam.
- e Estimated.

