04034500 MIDDLE BRANCH ONTONAGON RIVER NEAR TROUT CREEK, MI

Southcentral Lake Superior Basin
Ontonagon Subbasin

LOCATION.--Lat 46°28′40″, long 89°05′25″ referenced to North American Datum of 1927, in SW ¼ sec.8, T.47 N., R.38 W., Ontonagon County, MI, Hydrologic Unit 04020102, on right bank 0.1 mi upstream from State Highway 28, 3.8 mi west of the village of Trout Creek, and 7.5 mi downstream from Bond Falls Reservoir.

DRAINAGE AREA.--203 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1942 to September 2011 (discontinued).

REVISED RECORDS.--WSP 1911: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,132.03 ft above sea level (levels by Michigan Department of Natural Resources). Prior to Nov. 4, 1942, nonrecording gage at same site and datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Bond Falls Reservoir 7.5 mi upstream. Diversion to South Branch Ontonagon River 8.5 mi upstream by Bond Falls Canal (station 04033500). Several measurements of water temperature were made during the year.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 04034500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/04034500.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	62	61	60	e83	82	80	92	152	60	105	63	63
2	68	61	58	e82	e82	78	93	152	60	104	69	64
3	95	62	57	e79	e84	78	95	156	59	104	65	68
4	98	62	58	76	84	80	100	158	59	104	63	66
5	87	61	56	75	85	80	e101	157	59	104	64	65
6	60	61	55	79	84	88	102	154	58	105	64	64
7	56	61	57	76	e83	76	104	151	57	106	64	64
8	56	61	83	77	e85	62	109	148	56	107	64	63
9	55	60	103	e75	e85	62	112	144	56	106	64	63
10	55	60	82	e74	e85	62	127	139	56	106	64	63
11	54	60	80	79	e86	65	128	141	57	106	64	62
12	53	59	79	79	87	74	121	143	56	106	64	62
13	57	60	78	78	89	74	125	148	57	106	64	62
14	60	63	e80	78	90	76	127	150	63	105	63	62
15	59	62	e82	77	88	81	129	151	97	107	64	62
16	59	61	83	e76	88	83	132	149	97	107	64	62
17	59	60	84	e81	89	88	132	145	88	107	63	62
18	58	60	83	80	87	87	134	149	57	108	63	62
19	57	59	84	e79	86	86	136	157	61	101	64	63
20	56	58	e83	e78	86	91	135	153	58	80	63	62
21	56	58	85	e77	86	94	136	151	65	64	63	63
22	56	60	83	78	e86	92	138	151	90	63	63	63
23	57	60	84	e78	85	91	144	151	111	65	63	63
24	60	59	83	78	82	90	146	154	110	64	63	61
25	59	58	83	80	80	93	143	157	108	63	63	61
26	62	54	82	82	e80	89	147	160	107	63	63	61
27	66	59	81	83	e81	91	160	152	106	64	62	63
28	67	57	81	82	81	91	154	151	112	63	63	62
29	64	60	82	81	---	90	144	140	107	63	63	62
30	64	62	84	81	---	90	152	126	105	65	63	63
31	62	---	87	81	---	e91	---	105	---	64	64	---
Total	1,937	1,799	2,400	2,442	2,376	2,553	3,798	4,595	2,292	2,785	1,973	1,886
Mean	62.5	60.0	77.4	78.8	84.9	82.4	127	148	76.4	89.8	63.6	62.9
Max	98	63	103	83	90	94	160	160	112	108	69	68
Min	53	54	55	74	80	62	92	105	56	63	62	61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	57.9	59.3	54.3	50.5	49.8	53.5	99.0	125	93.9	69.7	58.7	55.1
Max	221	239	181	110	107	118	530	745	461	253	105	216
(WY)	(1943)	(1943)	(2002)	(2004)	(2004)	(1943)	(2002)	(1996)	(1943)	(1953)	(1952)	(1942)
Min	41.2	33.1	32.0	31.7	31.0	32.4	36.5	38.8	50.1	49.3	42.6	43.2
(WY)	(2000)	(1949)	(1949)	(1949)	(1949)	(1949)	(1949)	(1949)	(1998)	(1998)	(1944)	(1967)

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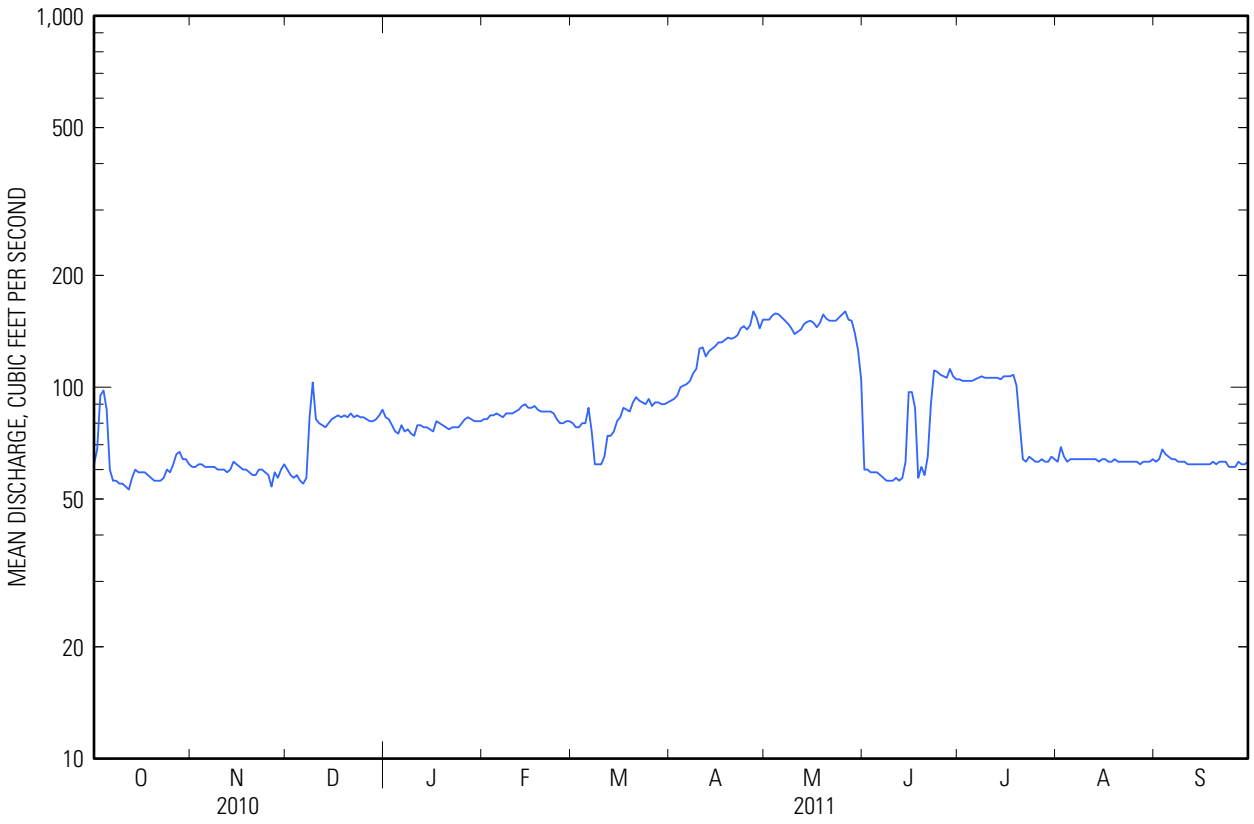
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1942 - 2011	
Annual total	21,708		30,836			
Annual mean	59.5		84.5		68.6	
Highest annual mean					187	1943
Lowest annual mean					42.4	1949
Highest daily mean	158	Sep 24	160	Apr 27	2,030	Apr 19, 2002
Lowest daily mean	49	Jan 26	53	Oct 12	30	Dec 1, 1948
Annual seven-day minimum	50	Jun 29	55	Oct 7	31	Mar 6, 1949
Maximum peak flow			167	Apr 26[a]	2,120	Apr 19, 2002
Maximum peak stage			2.03	Apr 26[a]	5.61	Apr 19, 2002
Instantaneous low flow			41	Nov 25	14	Jan 23, 1947[b]
10 percent exceeds	68		139		88	
50 percent exceeds	57		79		51	
90 percent exceeds	52		59		44	

[a] Also occurred May 25.
[b] Occurred sometime during period Jan. 23 to Feb. 13, 1947, result of ice jam upstream.