Water-Data Report 2013

04071000 OCONTO RIVER NEAR GILLETT, WI

Northwestern Lake Michigan Basin
Oconto Subbasin

LOCATION.--Lat 44°51′54″, long 88°18′00″ referenced to North American Datum of 1983, in NE ¼ NW ¼ sec.34, T.28 N., R.18 E., Oconto County, WI, Hydrologic Unit 04030104, on left bank 300 ft upstream from County Trunk Highway BB bridge, 2.0 mi upstream from Christy Brook, 2.0 mi south of Gillett, and at mile 29.

DRAINAGE AREA.--705 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1906 to April 1909, October 1913 to current year. Monthly discharge for some periods published in WSP 1307.

REVISED RECORDS.--WSP 1207: 1922. WSP 1307: 1907-8(M), 1914-16(M), 1918-21(M), 1923-33(M), 1937-38(M), 1943(M). WDR WI-79-1: Drainage area.

GAGE.--Water-stage recorder and crest stage gage. Datum of gage is 732.85 ft above NAVD of 1988 (levels by Wisconsin Department of Transportation). See WSP 1727 for history of changes prior to Aug. 25, 1938.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Gage-height telemeter at station.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 04071000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/04071000.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	230	414	e331	e275	e240	e274	e528	1,610	624	582	358	548
2	233	403	e298	e256	e237	e280	e557	1,570	743	515	336	464
3	256	387	e292	e289	e235	e280	e600	1,510	758	443	324	386
4	259	371	e306	e275	e242	e281	e666	1,390	666	390	306	352
5	248	351	e315	e291	e240	e279	e728	1,300	598	365	282	330
6	244	339	e331	e287	e239	e284	e813	1,210	664	353	275	311
7	239	335	e320	e291	e260	e281	e955	1,120	697	342	311	297
8	200	335	e320	e281	e277	e281	e1,040	1,030	691	446	382	284
9	192	336	e316	e297	e273	e280	e1,120	952	634	438	418	269
10	210	335	e282	e307	e289	e294	e1,140	883	573	448	362	230
11	224	350	e266	e316	e296	e307	e1,150	815	533	486	331	246
12	234	416	e260	e327	e299	e316	e1,040	790	483	504	325	246
13	276	476	e261	e327	e291	e322	e986	761	455	422	290	237
14	347	513	e268	e329	e299	e322	e953	723	436	370	277	230
15	425	486	e339	e296	e287	e317	e1,000	679	425	335	269	233
16	519	461	e413	e268	e273	e309	1,160	641	478	298	261	240
17	543	458	e401	e268	e275	e308	1,260	604	631	299	252	244
18	509	450	e412	e259	e280	e308	1,360	569	718	302	244	254
19	487	435	e391	e256	e273	e303	1,440	545	635	284	236	260
20	500	423	e333	e252	e258	e303	1,440	518	505	267	229	270
21	479	403	e269	e246	e283	e304	1,450	525	474	253	217	291
22	448	388	e251	e240	e291	e301	1,450	574	559	258	215	315
23	428	378	e254	e232	e295	e306	1,430	650	678	273	223	294
24	412	370	e247	e237	e266	e310	1,410	654	727	307	231	261
25	403	364	e282	e222	e277	e312	1,480	637	668	306	225	252
26	420	359	e299	e212	e271	e310	1,530	586	533	274	226	250
27	439	e326	e313	e226	e273	e308	1,550	537	834	383	254	247
28	462	e229	e371	e224	e275	e321	1,570	489	584	481	311	242
29	448	e327	e347	e244	---	e351	1,590	475	552	466	349	239
30	432	e387	e282	e226	---	e397	1,620	475	574	409	423	244
31	418	---	e296	e237	---	e461	---	522	---	383	507	---
Total	11,164	11,605	9,666	8,293	7,594	9,610	35,016	25,344	18,130	11,682	9,249	8,566
Mean	360	387	312	268	271	310	1,167	818	604	377	298	286
Max	543	513	413	329	299	461	1,620	1,610	834	582	507	548
Min	192	229	247	212	235	274	528	475	425	253	215	230
Cfsm	0.51	0.55	0.44	0.38	0.38	0.44	1.66	1.16	0.86	0.53	0.42	0.41
In.	0.59	0.61	0.51	0.44	0.40	0.51	1.85	1.34	0.96	0.62	0.49	0.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	476	546	439	352	344	638	1,191	846	662	452	373	432
Max	1,216	1,377	900	700	643	1,867	3,435	2,185	1,744	1,022	742	1,347
(WY)	(1942)	(1986)	(1907)	(1907)	(1984)	(1973)	(1922)	(1960)	(1916)	(1922)	(1960)	(1928)
Min	199	255	211	206	204	240	379	284	197	185	158	165
(WY)	(1949)	(2009)	(2009)	(1957)	(1948)	(1934)	(1931)	(2010)	(1988)	(2009)	(1934)	(2009)

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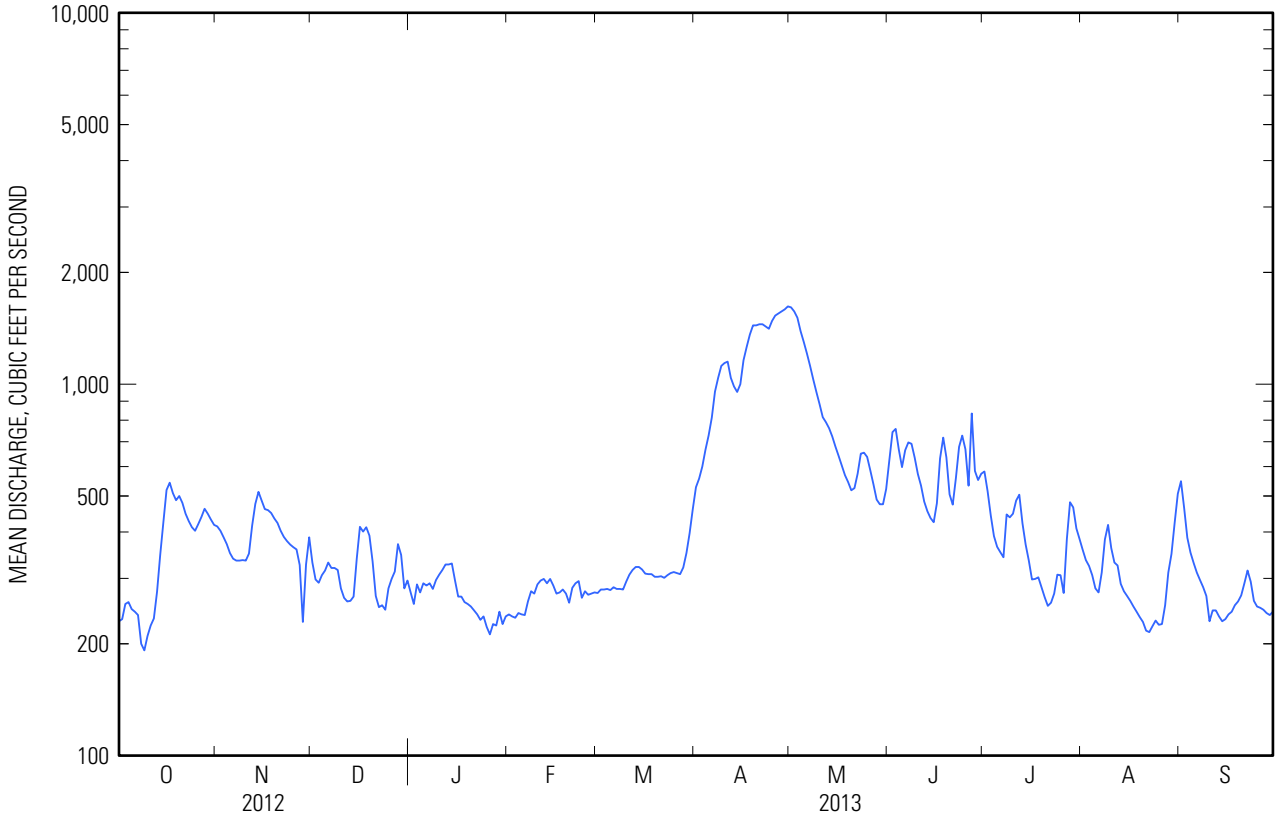
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1906 - 2013	
Annual total	149,087		165,919			
Annual mean	407		455		563	
Highest annual mean					930	1973
Lowest annual mean					315	2009 [a]
Highest daily mean	[b]1,280	Mar 14	1,620	Apr 30	6,790	Apr 10, 1922
Lowest daily mean	192	Oct 9	192	Oct 9	95	Jun 3, 1907
Annual seven-day minimum	206	Aug 18	220	Oct 6	137	Aug 9, 1908
Maximum peak flow			[c]1,630	Apr 30	8,400	Apr 10, 1922
Maximum peak stage			[b]5.05	Apr 10	[d]11.20	Apr 10, 1922
Instantaneous low flow			183	Oct 8	[e]93	Nov 26, 1941
Annual runoff (cfsm)	0.578		0.645		0.799	
Annual runoff (inches)	7.87		8.75		10.85	
10 percent exceeds	696		814		1,030	
50 percent exceeds	331		330		429	
90 percent exceeds	245		240		250	

[a] Also occurred in 1931.
[b] Ice affected.
[c] Gage height, 3.64 ft.
[d] From floodmarks, caused by failure of a dam at Pulcifer 4 mi above station.
[e] Result of freezeup.