Water-Data Report 2008

05426000 CRAWFISH RIVER AT MILFORD, WI

Rock Basin
Crawfish Subbasin

LOCATION.--Lat 43°06′00″, long 88°50′58″ referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.4, T.7 N., R.14 E., Jefferson County, WI, Hydrologic Unit 07090002, on left bank near upstream side of highway bridge in Milford, 1.4 mi downstream from Rock Creek and 9.8 mi upstream from mouth.

DRAINAGE AREA.--762 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1931 to current year.

REVISED RECORDS.--WSP 975: 1937-38. WSP 1438: 1932-33(M), 1935(M), 1937, 1938-41(M), 1943-44(M), 1947-48(M). WDR WI-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 779.40 ft above NGVD of 1929. Prior to July 28, 1966, nonrecording gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some diurnal fluctuation at lower flows, due to manipulation of gates on small dams upstream. Gage-height telemeter at station.

05426000 CRAWFISH RIVER AT MILFORD, WI—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	333	431	212	e610	e830	e790	2,810	2,510	422	4,000	535	133
2	322	379	216	e570	e790	e780	2,760	2,410	420	3,750	478	128
3	353	367	e210	e540	e740	e870	2,740	2,310	418	3,590	421	145
4	380	341	e210	e500	e720	e950	2,710	2,210	397	3,390	410	145
5	403	330	e200	e470	e730	e1,000	2,610	2,110	510	3,200	416	166
6	422	335	e200	e490	e740	e1,100	2,530	2,000	563	3,000	392	167
7	433	286	e200	e660	e750	e1,100	2,430	1,890	831	2,860	379	168
8	419	279	e190	e930	e760	e1,200	2,400	1,800	1,770	2,810	352	172
9	422	284	e190	e1,300	e740	e1,200	2,470	1,680	3,350	2,690	333	175
10	428	258	e190	e1,500	e730	e1,100	2,530	1,530	4,510	2,550	318	161
11	403	241	e190	e1,600	e730	e1,100	2,770	1,460	5,330	2,610	284	141
12	368	260	e190	e1,700	e720	e1,100	2,990	1,320	5,910	2,780	256	159
13	346	233	e190	e1,800	e710	e1,100	3,160	1,170	6,510	2,720	246	187
14	333	238	e180	e1,800	e700	e1,200	3,210	1,130	6,810	2,660	258	234
15	327	254	e180	e1,800	e690	e1,300	3,180	1,060	7,030	2,540	265	263
16	341	222	e180	e1,800	e680	e1,400	3,120	976	7,160	2,440	248	247
17	339	237	e170	e1,700	e700	e1,600	3,150	908	7,170	2,320	231	264
18	335	222	e180	e1,800	e760	e1,800	3,080	832	7,080	2,210	218	247
19	390	216	e190	e1,900	e800	e2,000	2,970	759	6,940	2,110	208	226
20	475	233	e190	e1,800	e840	e2,300	2,860	722	6,760	1,990	192	223
21	517	264	e210	e1,700	e870	e2,700	2,720	665	6,550	1,870	182	212
22	591	247	e230	e1,600	e880	e2,900	2,600	610	6,320	1,730	162	187
23	593	211	e280	e1,500	e870	2,990	2,490	575	6,090	1,570	173	173
24	600	199	e400	e1,400	e860	2,970	2,360	530	5,820	1,400	185	178
25	581	207	e490	e1,300	e850	2,910	2,410	466	5,580	1,240	170	180
26	562	242	e540	e1,200	e840	2,930	2,440	458	5,330	1,120	157	166
27	544	237	e590	e1,200	e820	2,930	2,590	480	5,060	989	148	159
28	495	209	e620	e1,100	e820	2,920	2,660	434	4,800	882	142	160
29	459	e210	e630	e1,000	e800	2,860	2,650	400	4,570	763	153	145
30	431	210	e640	e960	---	2,800	2,570	383	4,300	671	141	149
31	422	---	e630	e900	---	2,800	---	415	---	594	136	---
Total	13,367	7,882	9,118	39,130	22,470	56,700	81,970	36,203	134,311	69,049	8,189	5,460
Mean	431	263	294	1,262	775	1,829	2,732	1,168	4,477	2,227	264	182
Max	600	431	640	1,900	880	2,990	3,210	2,510	7,170	4,000	535	264
Min	322	199	170	470	680	780	2,360	383	397	594	136	128
Cfsm	0.57	0.34	0.39	1.66	1.02	2.40	3.59	1.53	5.88	2.92	0.35	0.24
In.	0.65	0.38	0.45	1.91	1.10	2.77	4.00	1.77	6.56	3.37	0.40	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2008, BY WATER YEAR (WY)

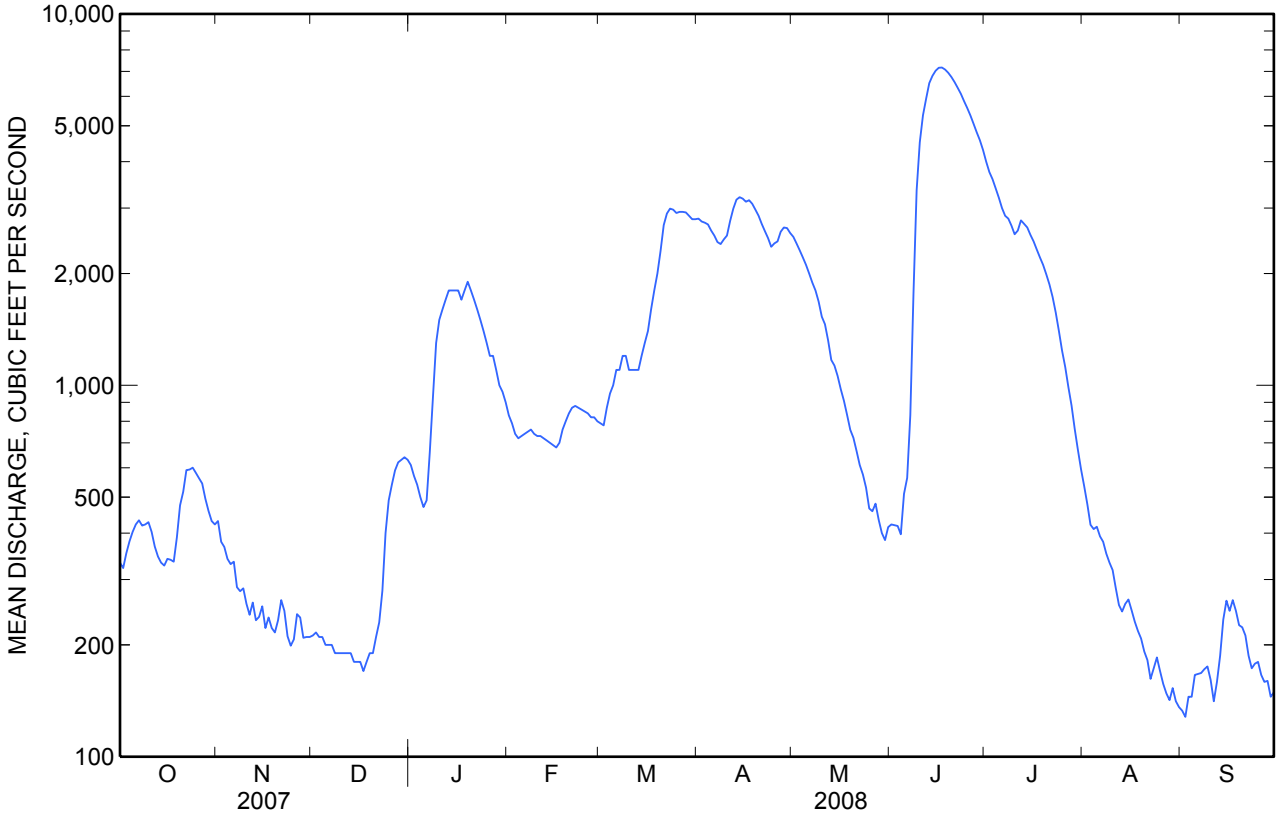
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	271	302	260	256	326	1,026	997	534	466	325	211	250
Max	2,565	1,958	1,065	1,278	1,576	2,473	3,206	2,337	4,477	2,227	985	1,881
(WY)	(1987)	(1986)	(1983)	(1946)	(1938)	(1948)	(1959)	(1973)	(2008)	(2008)	(2007)	(1986)
Min	16.8	25.9	18.0	15.2	16.2	56.2	193	73.8	34.4	17.9	18.0	8.11
(WY)	(1964)	(1950)	(1959)	(1940)	(1959)	(1940)	(1964)	(1958)	(1934)	(1965)	(1964)	(1958)

05426000 CRAWFISH RIVER AT MILFORD, WI—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1931 - 2008	
Annual total	238,933		483,849			
Annual mean	655		1,322		437	
Highest annual mean					1,322	2008
Lowest annual mean					61.8	1964
Highest daily mean	3,100	Aug 28[a]	7,170	Jun 17	7,170	Jun 17, 2008
Lowest daily mean	53	Jul 26	128	Sep 2	0.30	Sep 15, 1958
Annual seven-day minimum	58	Jul 20	140	Aug 28	1.5	Sep 11, 1958
Maximum peak flow			7,190	Jun 16	7,190	Jun 16, 2008
Maximum peak stage			13.35	Jun 16	13.35	Jun 16, 2008
Annual runoff (cfsm)	0.859		1.73		0.573	
Annual runoff (inches)	11.66		23.62		7.79	
10 percent exceeds	2,010		2,980		1,110	
50 percent exceeds	353		705		207	
90 percent exceeds	123		186		42	

[a] Also occurred Aug. 29.



05426000 CRAWFISH RIVER AT MILFORD, WI—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 1 of 7
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Instantaneous discharge, ft3/s (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat unf by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L as P (00665)	1-Methylnaphthalene, water, unfltrd µg/L (81696)
Jun													
14...	1435	6,820	3.8	7.2	250	21.8	.190	1.77	.126	2.88	.217	.341	<.2
30...	1415	4,290	2.3	7.0	429	22.7	.441	.10	.028	2.02	.343	.47	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 7
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	2,6-Dimethylnaphthalene, water, unfltrd µg/L (62805)	2-Methylnaphthalene, water, unfltrd µg/L (30194)	3,4-Dichlorophenyl isocyanate wat unf µg/L (63145)	3-beta-Coprostanol, water, unfltrd µg/L (62806)	3-Methyl-1H-indole, water, unfltrd µg/L (62807)	3-tert-Butyl-4-hydroxyanisole wat unf µg/L (61702)	4-Cumylphenol, water, unfltrd µg/L (62808)	4-n-Octylphenol, water, unfltrd µg/L (62809)	4-Nonylphenol, all isomers wat unf µg/L (62829)	4-Nonylphenol diethoxylate, wat unf µg/L (61703)	4-Nonylphenol monoethoxylate, wat unf µg/L (61704)	4t-Octylphenol diethoxylate, wat flt µg/L (61705)	4t-Octylphenol monoethoxylate, wat flt µg/L (61706)
Jun													
14...	<.2	<.2	--	<.8	<.2	--	<.2	<.2	<2	<3	<2.0	<.32	<1
30...	<.2	<.2	<2.0	<.8	<.2	<.2	<.2	<.2	<2	<3	<2.0	<.32	<1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 7
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	4-tert-Octylphenol, water, unfltrd µg/L (62810)	5-Methyl-1H-benzotriazole, wat unf µg/L (61944)	Acetophenone water, unfltrd µg/L (62811)	AHTN, water, unfltrd µg/L (62812)	Anthracene, water, unfltrd µg/L (34220)	9,10-Anthraquinone water, unfltrd µg/L (62813)	Atrazine, water, unfltrd µg/L (39630)	BDE congenr 47, water, unfltrd µg/L (63147)	Benzo[a]pyrene, water, unfltrd µg/L (34247)	Benzophenone water, unfltrd µg/L (62814)	beta-Sitosterol, water, unfltrd µg/L (62815)	beta-Stigmastanol, water, unfltrd µg/L (61948)	Bis(2-ethylhexyl) phthalate, wat unf µg/L (39100)
Jun													
14...	<.2	<2	<.3	<.2	<.2	M	1.6	<.2	<.2	<.2	<.8	<.8	<2
30...	<.2	<2	<.3	<.2	<.2	<.2	2.0	<.2	<.2	<.2	<.8	<.8	<2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 4 of 7
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Bisphenol A, water, unfltrd µg/L (62816)	Bisphenol A -d3, surrog, water, unfltrd % recvy (62839)	Bromacil, water, unfltrd µg/L (30234)	Caffeine, water, unfltrd µg/L (81436)	Caffeine -13C, surrog, water, unfltrd % recvy (62840)	Camphor water, unfltrd µg/L (62817)	Carbaryl, water, unfltrd µg/L (39750)	Carbazole, water, unfltrd µg/L (77571)	Chlorpyrifos water, unfltrd µg/L (38932)	Cholesterol, water, unfltrd µg/L (62818)	Cotinine, water, unfltrd µg/L (61945)	Decafluorobiphenyl, surrog, wat unf % recvy (62841)	DEET, water, unfltrd µg/L (61947)
Jun													
14...	<.4	59.5	<.2	<.2	52.2	<.2	<.2	<.2	<.2	M	<.8	53.1	<.2
30...	<.4	64.8	<.2	<.2	78.5	M	<.2	<.2	<.2	E2	<.8	58.2	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 5 of 7
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Diazinon, water, unfltrd µg/L (39570)	Dichlorvos, water, unfltrd µg/L (30218)	Diethyl phthalate, water, unfltrd µg/L (34336)	D-Limonene, water, unfltrd µg/L (62819)	Fluoranthene water, unfltrd µg/L (34376)	Fluoranthene -d10, surrog, water, unflt % recvy (62842)	HHCB, water, unfltrd µg/L (62823)	Indole, water, unfltrd µg/L (62824)	Isoborneol, water, unfltrd µg/L (62825)	Isophorone water, unfltrd µg/L (34408)	Isoquinoline, water, unfltrd µg/L (62826)	Menthol water, unfltrd µg/L (62827)	Metalaxyl, water, unfltrd µg/L (04254)
Jun													
14...	<.2	<.2	1.1	<.2	<.2	66.6	<.2	<.2	<.2	M	<.2	<.2	<.2
30...	<.2	<.2	<.2	<.2	<.2	76.6	<.2	<.2	<.2	<.2	<.2	<.2	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 6 of 7
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Methyl salicylate, water, unfltrd µg/L (62828)	Metolachlor, water, unfltrd µg/L (82612)	p-Cresol, water, unfltrd µg/L (77146)	Pentachlorophenol, water, unfltrd µg/L (39032)	Phenanthrene, water, unfltrd µg/L (34461)	Phenol, water, unfltrd µg/L (34694)	Prometon, water, unfltrd µg/L (39056)	Pyrene, water, unfltrd µg/L (34469)	Tributyl phosphate, water, unfltrd µg/L (62832)	Triclosan, water, unfltrd µg/L (61708)	Triethyl citrate water, unfltrd µg/L (62833)	Triphenyl phosphate, water, unfltrd µg/L (62834)	Tris(2-butoxyethyl) phosphate, wat unf µg/L (62830)
Jun													
14...	<.2	2.3	<.2	<.8	M	<.2	<.2	M	<.2	<.2	<.2	<.2	<.2
30...	<.2	1.6	<.2	<.8	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2

05426000 CRAWFISH RIVER AT MILFORD, WI—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 7 of 7
[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Tris(2-chloro-ethyl) phos-phate, wat unf µg/L (62831)	Tris-(diCl-i-Pr) phos-phate, wat unf µg/L (61707)	1,4-Di-chloro-benzene water, unfltrd µg/L (34571)	Tri-bromo-methane water, unfltrd µg/L (32104)	Iso-propyl-benzene water, unfltrd µg/L (77223)	Naphth-alene, water, unfltrd µg/L (34696)	Tetra-chloro-ethene, water, unfltrd µg/L (34475)	Sam-pling method, code (82398)
Jun								
14...	M	<.2	<.2	<.2	<.2	M	<.4	--
30...	<.2	<.2	<.2	<.2	<.2	<.2	<.4	70