

Water-Data Report 2008

431112088281100 DISCOVERY FARMS WATERWAY NEAR MAPLETON, WI

Rock Basin
Upper Rock Subbasin

LOCATION.--Lat 43°11'12", long 88°28'11" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.3, T.8 N., R.17 E., Waukesha County, WI,
Hydrologic Unit 07090001, 0.5 mile to the east of O'Neil Rd. just after crossing the railroad tracks, 5 miles north of Oconomowoc, WI.

DRAINAGE AREA.--0.0095 mi², 6.1 acres.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2005 to September 2008 (discontinued).

GAGE.--Water-stage recorder. Water levels are controlled by 2.5 ft H flume. Elevation of gage is 905 ft above NGVD of 1929, from topographic map.

REMARKS.--Records are excellent except for estimated days, which are poor. Note that discharge is the daily sum, in cubic feet.

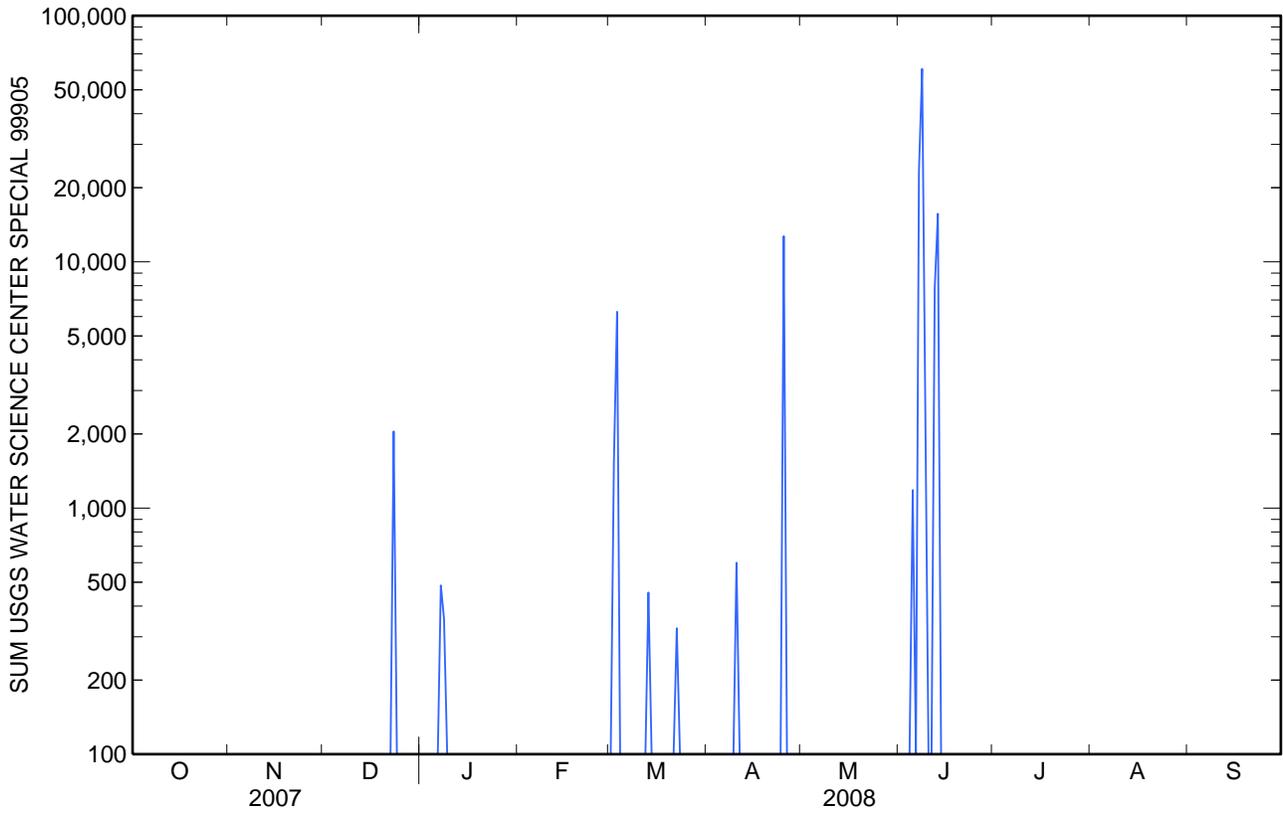
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DAILY SUM DISCHARGE, CUBIC FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY SUM VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	1,539	0	0	0	0	0	0
3	0	0	0	0	0	e6,267	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1,184	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	485	0	0	0	0	23,290	0	0	0
8	0	0	0	356	0	0	0	0	60,850	0	0	0
9	0	0	0	0	0	0	0	0	2,508	0	0	0
10	0	0	0	0	0	0	600	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	7,794	0	0	0
13	0	0	0	0	0	454	0	0	15,690	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	325	0	0	0	0	0	0
23	0	0	2,049	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	12,710	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
Total	0	0	2,049	841	0	8,585	13,310	0	111,316	0	0	0
Mean	0	0	66	27	0	277	444	0	3,711	0	0	0
Max	0	0	2,049	485	0	6,267	12,710	0	60,850	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 2005 to September 2008 (discontinued).

INSTRUMENTATION.--Water-quality sampler May 2005 to September 2008 (discontinued).

REMARKS.--Chemical analyses by the Water and Environmental Analysis Lab at the University of Wisconsin-Stevens Point. Samples with end dates/times are flow-composite samples collected by an automatic point sampler which represent the event-mean concentration for the specified runoff period. Samples with only start dates/times are discrete samples collected by the same sampler. The sample runoff volume is the total flow that occurs between the start and end time of each flow-composite sample. In most cases, the sample runoff volume is slightly less than the total storm runoff volume. Some runoff events were not sampled. An approximate storm load (in pounds) can be computed by multiplying the sample runoff volume (in cubic feet) by the constituent concentration (in mg/L) and a factor of 6.2428×10^{-5} .

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Time	End time	Chloride, water, fltrd, mg/L (00940)	Residue on evap. at 105degC wat flt mg/L (00515)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Hydrolyzable phosphorus, wat flt mg/L as P (00672)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Phosphorus, water, unfltrd mg/L as P (00665)	Suspended sediment concentration mg/L (80154)	Sampling method, code (82398)	Sample runoff volume, cubic feet (99906)
Apr 10-10	1823	1948	52.3	888	63	27.7	15.3	.200	19.6	471	50	553
Apr 25-25	1052	1306	14.3	376	14	6.40	9.81	10.7	10.6	110	50	2,430
Apr 25-25	1828	2129	10.8	324	14	6.70	10.2	1.50	11.2	109	50	10,000
Jun 05-05	0627	0951	27.9	542	8.3	1.51	4.33	34.1	4.90	90	50	1,180
Jun 07-07	1645	2019	6.7	182	5.6	.610	3.37	4.20	4.25	259	50	6,380
Jun 07-08	2149	0219	6.4	178	4.7	.420	3.29	2.50	4.09	274	50	20,100
Jun 08-08	1022	1403	6.1	186	3.8	.240	4.08	.900	4.67	153	50	8,640
Jun 08-09	1906	0226	2.0	130	3.2	.170	3.02	.600	3.70	229	50	51,500
Jun 12-12	1704	2255	3.5	160	5.0	.340	3.13	.900	3.82	176	50	7,780
Jun 13-13	0001	0433	3.6	148	3.4	.200	3.18	.600	3.75	120	50	15,700

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

[Remark codes: <, less than.]

Date	Time	Instan- taneous dis- charge, cfs (00061)	Chlor- ide, water, fltrd, mg/L (00940)	Residue	Ammonia	Hydro- lyzable phos- phorus, wat flt mg/L (00672)	Nitrate	Phos- phorus, water, unfltrd mg/L as P (00665)	Sus- pended	Sam- pling method, code (82398)	
				on + evap. at 105degC wat flt mg/L (00515)	org-N, water, unfltrd mg/L as N (00625)		Ammonia water, fltrd, mg/L as N (00608)		+ nitrite water fltrd, mg/L as N (00631)		ment concen- tration mg/L (80154)
Jan 07...	1523	.03	<.5	62	1.6	.410	.90	1.00	.999	24	50