



Water-Data Report 2009

443012087362500 DISCOVERY FARMS WATERWAY SITE NO. 3 NEAR KEWAUNEE, WI

Northwestern Lake Michigan Basin
Door-Kewaunee Subbasin

LOCATION.--Lat 44°30'12", long 87°36'25" referenced to North American Datum of 1983, in SE ¼ SE ¼ sec.32, T.24 N., R.24 E., Kewaunee County, WI, Hydrologic Unit 04030102, 1 mi west of intersection of Ryan Radio Rd. and County Hwy B, 2,400 ft north of Ryan Radio Rd. in waterway, 5.6 mi northwest of Kewaunee, WI.

DRAINAGE AREA.--0.0206 mi², 13.2 acres.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 2003 to November 2009 (discontinued).

GAGE.--Water-stage recorder. Water levels are controlled by 2.5 ft H flume. Elevation of gage is 742 ft above NGVD of 1929, from topographic map.

REMARKS.--Records are fair. Runoff occurred on Feb 10, 11, Mar 6, 7, 14, 15, and 16, the accuracy of the discharge was unknown, therefore not estimated. Note that discharge is the daily sum, in cubic feet.

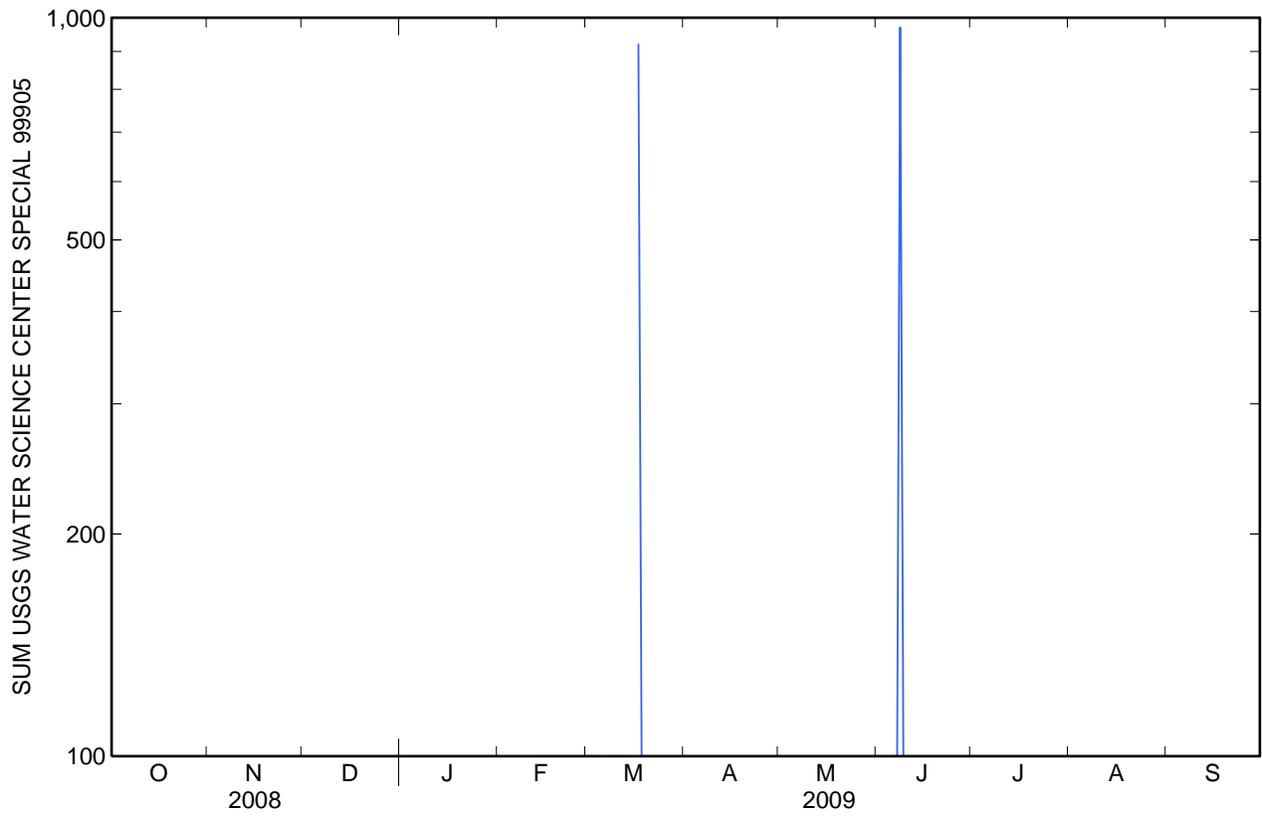
REVISIONS.--WDR WI-06-1: 2004-05.

443012087362500 DISCOVERY FARMS WATERWAY SITE NO. 3 NEAR KEWAUNEE, WI—Continued

DAILY SUM DISCHARGE, CUBIC FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY SUM VALUES

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	0	0	0	0	0	0	0
3	0	0	0	0	0	0	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	0	0	0	0
6	0	0	0	0	0	---	0	0	0	0	0	0
7	0	0	0	0	0	---	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	970	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	---	0	0	0	0	0	0	0
11	0	0	0	0	---	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	---	0	0	0	0	0	0
15	0	0	0	0	0	---	0	0	0	0	0	0
16	0	0	0	0	0	---	0	0	0	0	0	0
17	0	0	0	0	0	920	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	0	0	0	0	0	0	0
23	0	0	0	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	0	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
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
Total	0	0	0	0	---	---	0	0	970	0	0	0
Mean	0	0	0	0	---	---	0	0	32	0	0	0
Max	0	0	0	0	---	---	0	0	970	0	0	0
Min	0	0	0	0	---	---	0	0	0	0	0	0

443012087362500 DISCOVERY FARMS WATERWAY SITE NO. 3 NEAR KEWAUNEE, WI—Continued



443012087362500 DISCOVERY FARMS WATERWAY SITE NO. 3 NEAR KEWAUNEE, WI—Continued

**DAILY SUM DISCHARGE, CUBIC FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY SUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0	0	---	---	---	---	---	---	---	---	---	---
2	0	0	---	---	---	---	---	---	---	---	---	---
3	0	0	---	---	---	---	---	---	---	---	---	---
4	0	0	---	---	---	---	---	---	---	---	---	---
5	0	0	---	---	---	---	---	---	---	---	---	---
6	0	0	---	---	---	---	---	---	---	---	---	---
7	0	0	---	---	---	---	---	---	---	---	---	---
8	0	0	---	---	---	---	---	---	---	---	---	---
9	0	0	---	---	---	---	---	---	---	---	---	---
10	0	0	---	---	---	---	---	---	---	---	---	---
11	0	0	---	---	---	---	---	---	---	---	---	---
12	0	0	---	---	---	---	---	---	---	---	---	---
13	0	0	---	---	---	---	---	---	---	---	---	---
14	0	0	---	---	---	---	---	---	---	---	---	---
15	0	0	---	---	---	---	---	---	---	---	---	---
16	0	0	---	---	---	---	---	---	---	---	---	---
17	0	0	---	---	---	---	---	---	---	---	---	---
18	0	0	---	---	---	---	---	---	---	---	---	---
19	0	0	---	---	---	---	---	---	---	---	---	---
20	0	0	---	---	---	---	---	---	---	---	---	---
21	0	0	---	---	---	---	---	---	---	---	---	---
22	0	0	---	---	---	---	---	---	---	---	---	---
23	0	0	---	---	---	---	---	---	---	---	---	---
24	0	0	---	---	---	---	---	---	---	---	---	---
25	0	0	---	---	---	---	---	---	---	---	---	---
26	0	0	---	---	---	---	---	---	---	---	---	---
27	0	0	---	---	---	---	---	---	---	---	---	---
28	0	0	---	---	---	---	---	---	---	---	---	---
29	0	0	---	---	---	---	---	---	---	---	---	---
30	1,460	0	---	---	---	---	---	---	---	---	---	---
31	0	---	---	---	---	---	---	---	---	---	---	---
Total	1,460	0	---	---	---	---	---	---	---	---	---	---
Mean	47	0	---	---	---	---	---	---	---	---	---	---
Max	1,460	0	---	---	---	---	---	---	---	---	---	---
Min	0	0	---	---	---	---	---	---	---	---	---	---

443012087362500 DISCOVERY FARMS WATERWAY SITE NO. 3 NEAR KEWAUNEE, WI—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 2003 to November 2009 (discontinued).

REVISED RECORDS.--WDR WI-06-1: 2004-05 (runoff volumes).

INSTRUMENTATION.--Water-quality sampler December 2003 to November 2009.

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 2008 TO SEPTEMBER 2009**

Part 1 of 2

Date	Time	End time	Sam- pling method, code (82398)	Dis- solved solids dried @ 105degC wat flt mg/L (00515)	Chlor- ide, water, fltrd, mg/L (00940)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Hydro- lyzable phos- phorus, wat flt mg/L as P (00672)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Phos- phorus, water, unfltrd mg/L as P (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)
Jun 08-08	1522	1728	Point sample	226	9.5	9.1	1.96	.34	21.9	2.55	1,480

**WATER-QUALITY
DATA
WATER YEAR
OCTOBER 2008 TO
SEPTEMBER 2009**

Part 2 of 2

Date	Sample runoff volume, cubic feet (99906)
Jun 08-08	845

443012087362500 DISCOVERY FARMS WATERWAY SITE NO. 3 NEAR KEWAUNEE, WI—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 2

Date	Time	End time	Sam- pling method, code (82398)	Dis- solved solids dried @ 105degC wat flt mg/L (00515)	Chlor- ide, water, fltfd, mg/L (00940)	Ammonia + org-N, water, unfltfd mg/L as N (00625)	Ammonia water, fltfd, mg/L as N (00608)	Hydro- lyzable phos- phorus, wat flt mg/L as P (00672)	Nitrate + nitrite water, fltfd, mg/L as N (00631)	Phos- phorus, water, unfltfd mg/L as P (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)
Oct 30-30	0630	0907	Point sample	224	5.5	6.7	.070	.35	1.60	3.29	1,220

WATER-QUALITY
DATA
WATER YEAR
OCTOBER 2009 TO
SEPTEMBER 2010

Part 2 of 2

Date	Sample runoff volume, cubic feet (99906)
Oct 30-30	1,450