

Water-Data Report 2010

423909090172100 DISCOVERY FARMS WATERWAY SITE NO. 2 NEAR BELMONT, WI

Upper Mississippi-Maquoketa-Plum Basin
Apple-Plum Subbasin

LOCATION.--Lat 42°39'09", long 90°17'21" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.17, T.2 N., R.2 E., Lafayette County, WI, Hydrologic Unit 07060005, 400 ft south of intersection of Pleasant View Rd. and St. Peters Rd., east of Pleasant View Rd. in waterway, 6.4 mi south-southeast of Belmont, WI.

DRAINAGE AREA.--0.269 mi², 17.2 acres.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 2003 to current year.

GAGE.--Water-stage recorder. Water levels are controlled by 2.5 ft H flume. Elevation of gage is 1,028 ft above NGVD of 1929, from topographic map.

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

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

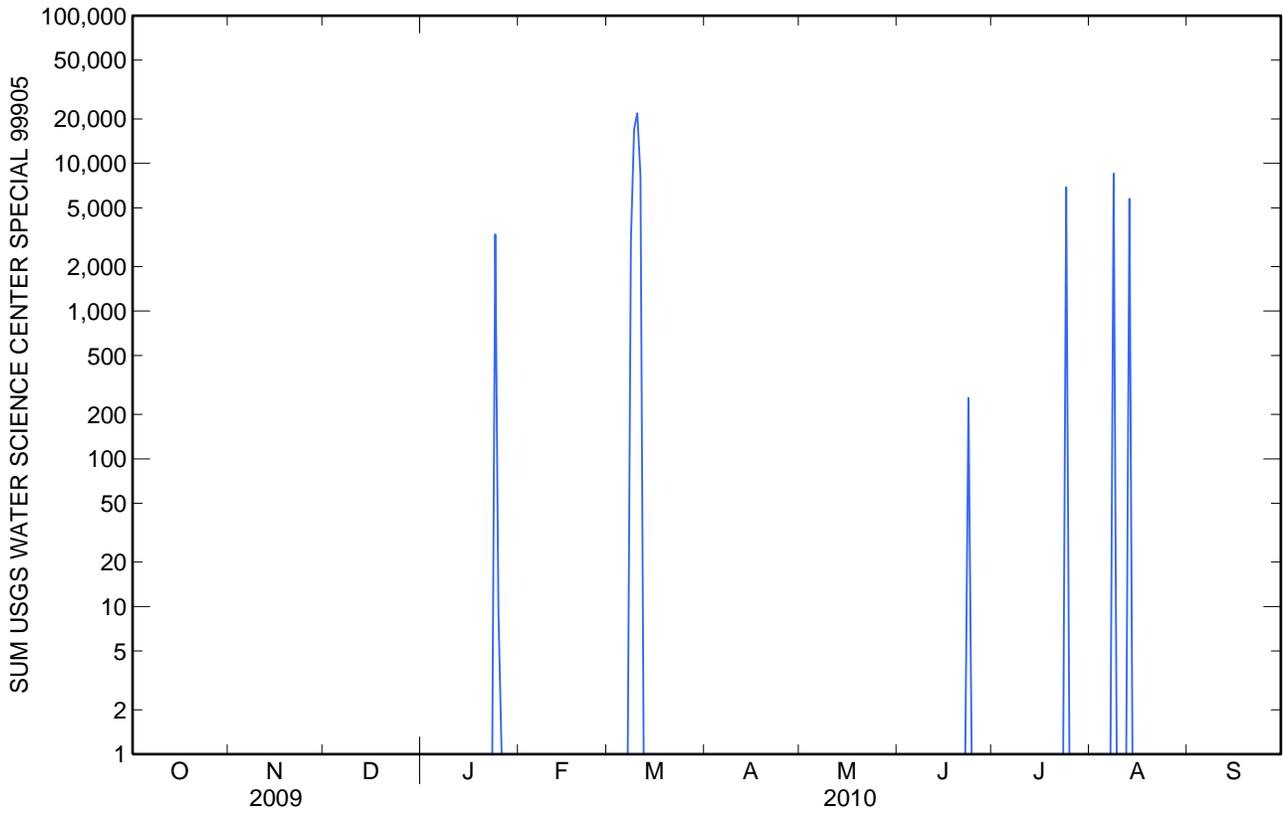
423909090172100 DISCOVERY FARMS WATERWAY SITE NO. 2 NEAR BELMONT, WI—Continued

DAILY SUM DISCHARGE, CUBIC FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
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	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	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	3,013	0	0	0	0	8,545	0
9	0	0	0	0	0	17,020	0	0	0	0	0	0
10	0	0	0	0	0	21,850	0	0	0	0	0	0
11	0	0	0	0	0	8,228	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	5,768	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	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	259	0	0	0
24	0	0	0	e3,309	0	0	0	0	0	6,906	0	0
25	0	0	0	e9	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	3,318	0	50,111	0	0	259	6,906	14,313	0
Mean	0	0	0	107	0	1,616	0	0	9	223	462	0
Max	0	0	0	3,309	0	21,850	0	0	259	6,906	8,545	0
Min	0	0	0	0	0	0	0	0	0	0	0	0

423909090172100 DISCOVERY FARMS WATERWAY SITE NO. 2 NEAR BELMONT, WI—Continued



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 2003 to current year.

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

INSTRUMENTATION.--Water-quality sampler December 2003 to October 2010.

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 2009 TO SEPTEMBER 2010

Part 1 of 2

[N, nitrogen; P, phosphorus; mg/L, milligrams per liter]

Date	End date	Sample start time	End time	Sampling method (82398)	Dissolved solids dried at 105 degrees Celsius, water, filtered, milligrams per liter (00515)	Chloride, water, filtered, mg/L (00940)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Hydrolyzable phosphorus, water, filtered, milligrams per liter as phosphorus (00672)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)
01-24-2010	01-25-2010	1227	0054	Point sample	504	27.8	36	15.6	21.5	.500
03-08-2010	03-09-2010	1415	0715	Point sample	196	7.3	17	9.42	10.7	.500
03-09-2010	03-09-2010	0945	2053	Point sample	116	9.6	12	6.95	6.90	.700
03-09-2010	03-10-2010	2053	1040	Point sample	86	7.1	10	5.51	5.20	.600
03-10-2010	03-11-2010	1040	0015	Point sample	76	4.4	8.7	4.77	4.93	.600
03-11-2010	03-11-2010	0815	1745	Point sample	82	9.3	11	4.45	3.74	.400
06-23-2010	06-23-2010	0502	0528	Point sample	110	1.0	2.9	.310	1.32	1.30
07-24-2010	07-24-2010	0211	0330	Point sample	28	.6	2.4	.670	.95	.300
07-24-2010	07-24-2010	0453	0540	Point sample	56	.6	1.5	.090	1.22	.300
08-08-2010	08-08-2010	0922	1111	Point sample	90	1.0	5.8	.550	1.69	1.50
08-13-2010	08-13-2010	1623	1750	Point sample	80	.9	5.0	.240	1.23	1.00

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 2

[N, nitrogen; P, phosphorus; mg/L, milligrams per liter]

Date	Phosphorus, water, unfiltered, mg/L as P (00665)	Suspended sediment concentration, mg/L (80154)	Sample runoff volume, cubic feet (99906)
01-24-2010	24.4	38	3,320
03-08-2010	12.9	6	3,460
03-09-2010	7.35	13	13,100
03-09-2010	5.73	10	18,600
03-10-2010	5.38	14	6,750
03-11-2010	4.70	171	8,230
06-23-2010	1.81	166	245
07-24-2010	1.17	92	6,570
07-24-2010	1.43	43	304
08-08-2010	5.33	65	8,540
08-13-2010	3.93	144	5,770