

Water-Data Report 2011

**424314090240601 U.W. PLATTEVILLE FARMS SITE NO. 2 NEAR PLATTEVILLE,WI**

Upper Mississippi-Maquoketa-Plum Basin  
Apple-Plum Subbasin

LOCATION.--Lat 42°43'14", long 90°24'06" referenced to North American Datum of 1927, in NE ¼ SW ¼ NW ¼ sec.20, T.3 N., R.1 E., Lafayette County, WI, Hydrologic Unit 07060005.

DRAINAGE AREA.--0.327 mi<sup>2</sup>, 20.9 acres

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--March 2002 to current year.

GAGE.--Water-stage recorder. Water levels are controlled by 2.5 ft H flume. Elevation of gage is 1055 ft above NGVD of 1929, from topographic map.

COOPERATION.--University of Wisconsin-Platteville Pioneer Farm

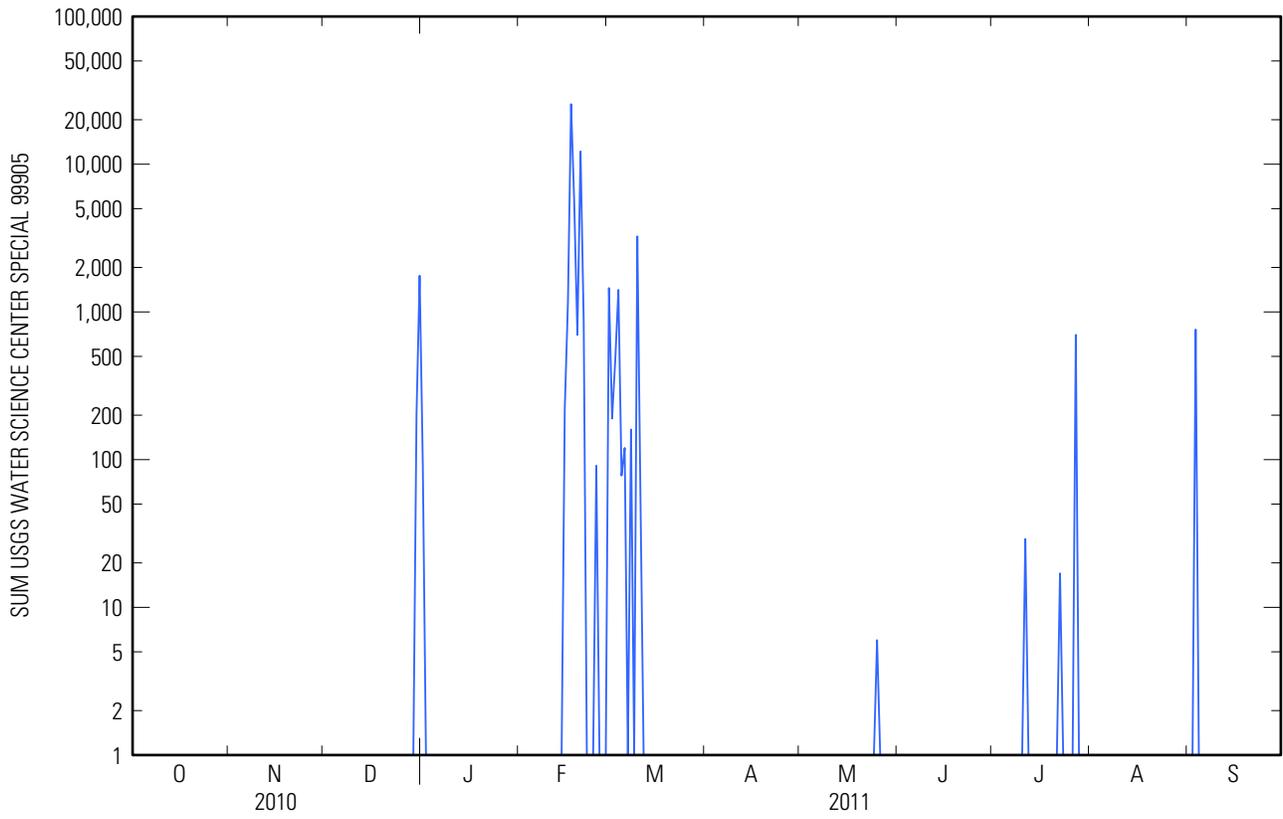
REMARKS.--Records are excellent except for estimated days, which are poor. Note that discharge is the daily sum, in cubic feet.

## 424314090240601 U.W. PLATTEVILLE FARMS SITE NO. 2 NEAR PLATTEVILLE,WI—Continued

**DAILY SUM DISCHARGE, CUBIC FEET**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY SUM VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0	0	0	92	0	e1,450	0	0	0	0	0	0
2	0	0	0	0	0	e190	0	0	0	0	0	0
3	0	0	0	0	0	470	0	0	0	0	0	760
4	0	0	0	0	0	1,410	0	0	0	0	0	0
5	0	0	0	0	0	e78	0	0	0	0	0	0
6	0	0	0	0	0	e120	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	160	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	e3,250	0	0	0	0	0	0
11	0	0	0	0	0	55	0	0	0	29	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	0
15	0	0	0	0	e220	0	0	0	0	0	0	0
16	0	0	0	0	1,150	0	0	0	0	0	0	0
17	0	0	0	0	25,500	0	0	0	0	0	0	0
18	0	0	0	0	e5,480	0	0	0	0	0	0	0
19	0	0	0	0	e700	0	0	0	0	0	0	0
20	0	0	0	0	12,200	0	0	0	0	0	0	0
21	0	0	0	0	e870	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	17	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	91	0	0	6	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	700	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	200	0	---	0	0	0	0	0	0	0
31	0	---	1,760	0	---	0	---	0	---	0	0	---
<b>Total</b>	0	0	1,960	92	46,211	7,183	0	6	0	746	0	760
<b>Mean</b>	0	0	63	3	1,650	230	0	0	0	24	0	25
<b>Max</b>	0	0	1,760	92	25,500	3,250	0	6	0	700	0	760
<b>Min</b>	0	0	0	0	0	0	0	0	0	0	0	0

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## WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2002 to current year.

INSTRUMENTATION.--An automatic twenty four bottle peristaltic pump refrigerated sampler.

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  $6.2428 \times 10^{-5}$ .

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 1 of 2

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

Date	Sample start time	End date	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)
12-30-2010	2100	01-01-2011	0345	Point sample	46	.7	2.1	.620	.67	.300
02-14-2011	2325	02-20-2011	0845	Point sample	54	1.0	2.5	1.24	.60	.100
02-20-2011	0845	02-21-2011	1412	Point sample	38	.8	1.6	.850	.33	.100
03-01-2011	1313	03-06-2011	2025	Point sample	104	1.2	2.9	1.52	.79	.300
03-10-2011	1245	03-10-2011	1856	Point sample	158	1.3	3.4	1.02	.59	2.20
07-27-2011	1909	07-27-2011	2020	Point sample	74	< .5	2.4	.320	1.03	.500
09-03-2011	0234	09-03-2011	0347	Point sample	124	1.2	4.7	.750	2.00	2.10

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 2 of 2

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

Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Suspended sediment concentration, mg/L (80154)	Sample runoff volume, cubic feet (99906)
12-30-2010	2100	.950	68	2,040
02-14-2011	2325	.786	238	33,100
02-20-2011	0845	.379	23	13,000
03-01-2011	1313	.898	27	3,720
03-10-2011	1245	.885	163	3,250
07-27-2011	1909	1.31	104	705
09-03-2011	0234	2.61	576	759