

Water-Data Report 2011

424245090231000 U.W. PLATTEVILLE FARMS SITE NO. 8 NEAR PLATTEVILLE, WI

Upper Mississippi-Maquoketa-Plum Basin
Apple-Plum Subbasin

LOCATION.--Lat 42°42'45", long 90°23'10" referenced to North American Datum of 1927, in SW ¼ SW ¼ SW ¼ sec.21, T.3 N., R.1 E., Lafayette County, WI, Hydrologic Unit 07060005.

DRAINAGE AREA.--.0450 mi², 28.8 acres

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder. Water levels are controlled by 2.5 ft H flume. Elevation of gage is 1,049 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.

424245090231000 U.W. PLATTEVILLE FARMS SITE NO. 8 NEAR PLATTEVILLE, WI—Continued

DAILY SUM DISCHARGE, CUBIC FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY SUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0	0	0	1,070	0	3,050	0	0	0	0	0	0
2	0	0	0	0	0	890	0	0	0	0	0	0
3	0	0	0	0	0	1,480	0	0	0	0	0	6,260
4	0	0	0	0	0	7,020	0	0	0	0	0	0
5	0	0	0	0	0	730	0	0	0	0	0	0
6	0	0	0	0	0	800	0	0	0	0	0	0
7	0	0	0	0	0	40	0	0	0	0	0	0
8	0	0	0	0	0	1,510	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	9,120	0	0	0	0	0	0
11	0	0	0	0	0	1,390	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	230	0	0	0	0	0	0
14	0	0	0	0	0	43	0	0	0	0	0	0
15	0	0	0	0	110	0	0	0	0	0	0	0
16	0	0	0	0	3,250	0	0	0	0	0	0	0
17	0	0	0	0	78,200	0	0	0	0	0	0	0
18	0	0	0	0	19,900	0	0	0	0	0	0	0
19	0	0	0	0	4,100	0	0	0	0	0	0	0
20	0	0	0	0	37,000	0	0	0	0	0	0	0
21	0	0	0	0	6,350	0	0	0	0	0	0	0
22	0	0	0	0	37	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	530	0	0	0	0	0	0	0
26	0	0	0	0	4	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	6,460	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	250	0	---	0	0	0	0	0	0	0
31	0	---	11,800	0	---	0	---	0	---	0	0	---
Total	0	0	12,050	1,070	149,481	26,303	0	0	0	6,460	0	6,260
Mean	0	0	390	35	5,340	850	0	0	0	210	0	210
Max	0	0	11,800	1,070	78,200	9,120	0	0	0	6,460	0	6,260
Min	0	0	0	0	0	0	0	0	0	0	0	0

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 2003 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 6.2428×10^{-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	2211	01-01-2011	1124	Point sample	26	< .5	1.2	.480	.43	.300
02-15-2011	1615	02-20-2011	0815	Point sample	54	1.8	4.0	2.33	.53	.200
02-20-2011	0815	02-22-2011	0115	Point sample	44	1.7	2.9	1.64	.36	.200
03-01-2011	1319	03-07-2011	0545	Point sample	130	3.0	4.5	2.42	.82	.300
03-08-2011	1140	03-14-2011	1530	Point sample	134	2.2	3.6	1.42	.78	2.10
07-27-2011	1926	07-27-2011	2351	Point sample	68	< .5	2.2	.280	.81	.700

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	2211	.491	3	13,100
02-15-2011	1615	.645	6	106,000
02-20-2011	0815	.423	< 2	42,900
03-01-2011	1319	.931	< 2	14,000
03-08-2011	1140	.983	64	12,200
07-27-2011	1926	1.06	73	6,460