

Water-Data Report 2011

450618091444001 DISCOVERY FARMS-RED CEDAR WATERWAY 2 NEAR COLFAX, WI

Chippewa Basin
Red Cedar Subbasin

LOCATION.--Lat 45°06'18.5", long 91°44'40.0" referenced to North American Datum of 1983, in SE ¼ SW ¼ sec.5, T.30 N., R.11 W., Dunn County, WI, Hydrologic Unit 07050007.

DRAINAGE AREA.--3.84 acres

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 2010 to September 2011.

GAGE.--Water-stage recorder. Water levels are controlled by 2.5 ft H flume.

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

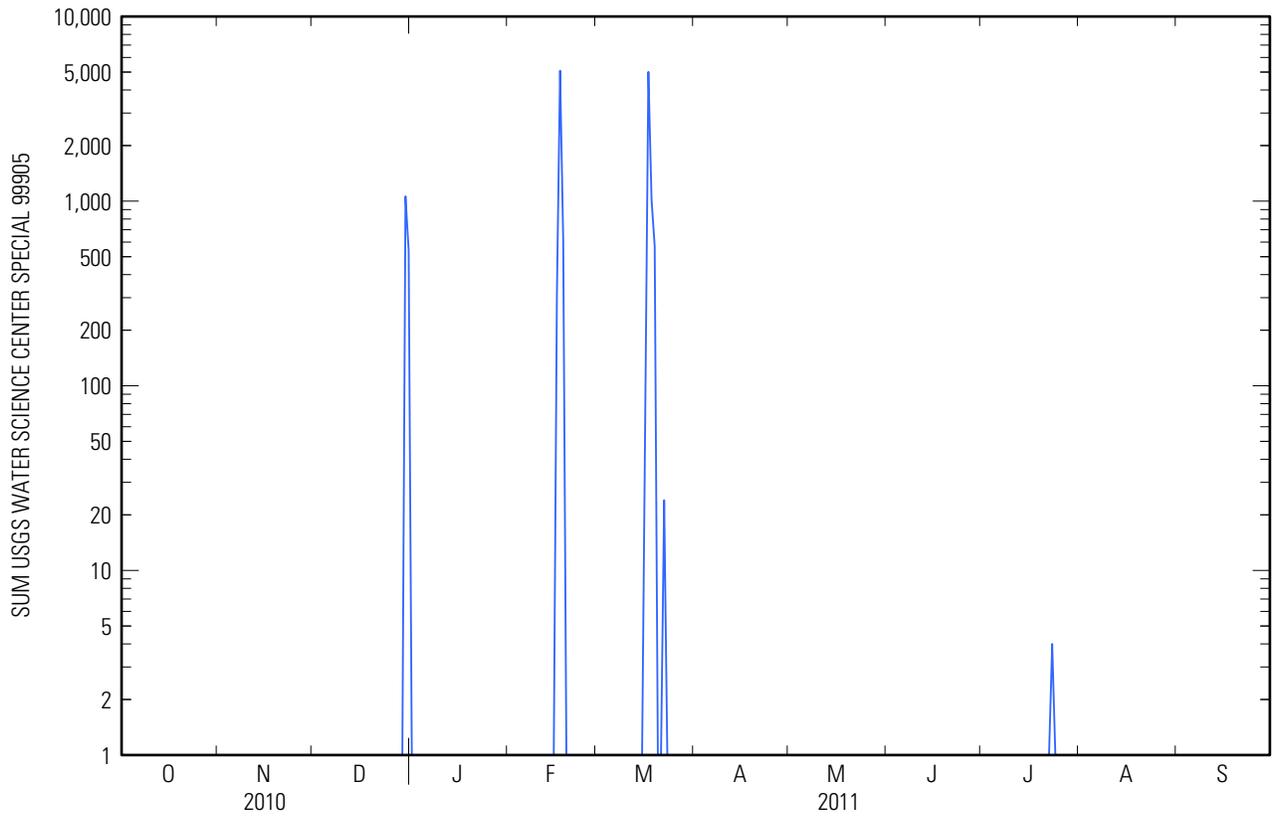
450618091444001 DISCOVERY FARMS-RED CEDAR WATERWAY 2 NEAR COLFAX, WI—Continued

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	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	0	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	0	0	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	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	0	0	0	0	0	0	0	0
16	0	0	0	0	316	70	0	0	0	0	0	0
17	0	0	0	0	e5,088	5,012	0	0	0	0	0	0
18	0	0	0	0	e608	1,017	0	0	0	0	0	0
19	0	0	0	0	0	569	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	24	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	4	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	1,062	0	---	0	0	0	0	0	0	0
31	0	---	e541	0	---	0	---	0	---	0	0	---
Total	0	0	1,603	0	6,012	6,692	0	0	0	4	0	0
Mean	0	0	52	0	215	216	0	0	0	0	0	0
Max	0	0	1,062	0	5,088	5,012	0	0	0	4	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.--August 2010 to current year.

INSTRUMENTATION.--Water-quality sampler since August 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 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	1400	12-31-2010	0756	Point sample	68	3.1	2.5	.370	.056	.500
02-16-2011	1600	02-18-2011	1100	Point sample	88	2.5	6.2	2.65	.025	.200
03-17-2011	1043	03-18-2011	0330	Point sample	44	1.1	3.8	2.41	.166	.200
03-18-2011	1300	03-18-2011	2300	Point sample	92	2.3	4.4	2.71	.115	< .100

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	1400	.245	21	1,600
02-16-2011	1600	.162	< 2	6,010
03-17-2011	1043	.234	7	4,780
03-18-2011	1300	.233	14	957