

Water-Data Report 2007

425318090074000 DISCOVERY FARMS WATERWAY NO. 1 NEAR MINERAL POINT, WI

Rock Basin
Pecatonica Subbasin

LOCATION.--Lat 42°53'18", long 90°07'40" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.22, T.5 N., R.3 E., Iowa County, WI, Hydrologic Unit 07090003, 1 mile southwest of intersection of Sunny Ridge Rd. and Antoine Rd., 1000 ft. to the south of Antoine Rd. in waterway of private farm, 3 miles northeast of Mineral Point.

DRAINAGE AREA.--.023 mi², 15.8 acres

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 2004 to September 2007 (discontinued).

GAGE.--Water-stage recorder. Water levels are controlled by 2.5 ft H flume. Elevation of gage is 1,180 ft above NGVD of 1929, from topographic map.

REMARKS.--Records are excellent. Note that discharge is the daily sum, in cubic feet.

REVISIONS.--Published discharges for water years 2004 and 2005 have been revised.

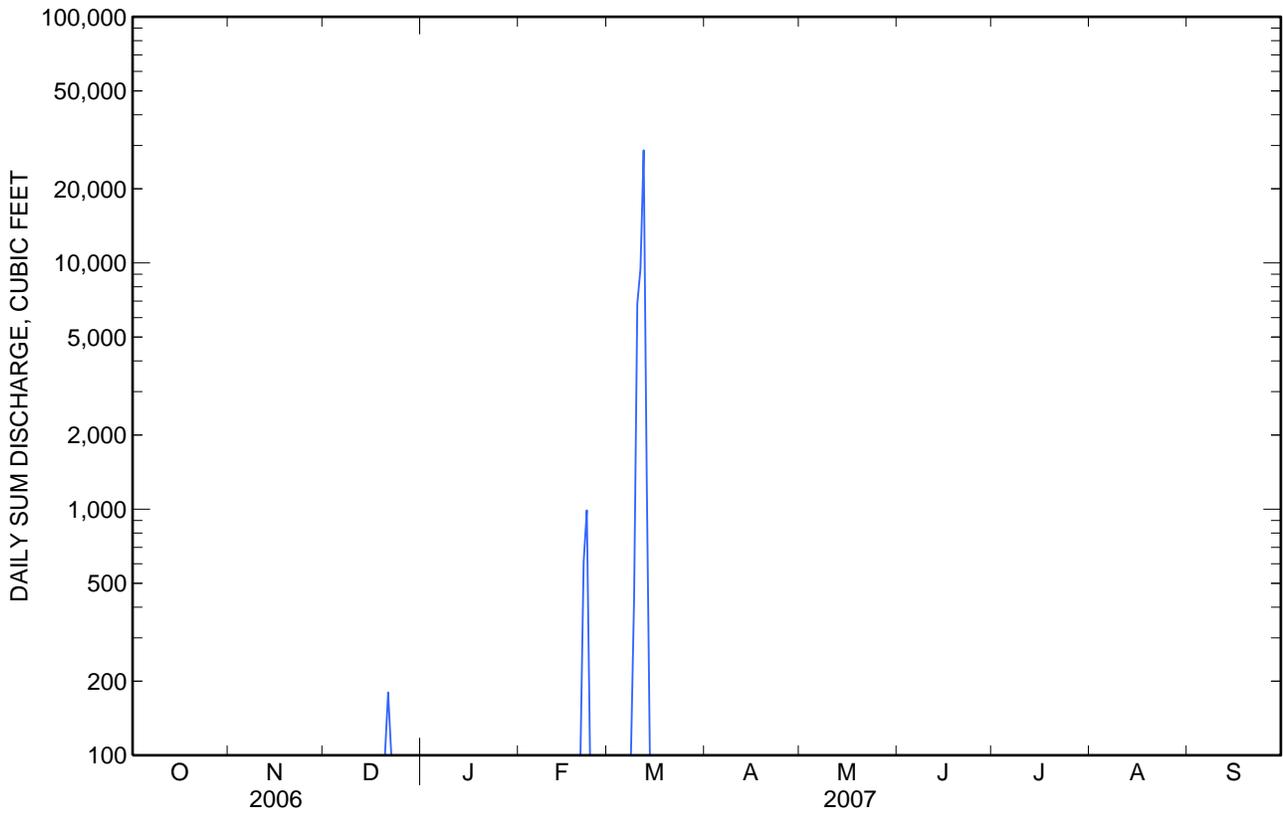
425318090074000 DISCOVERY FARMS WATERWAY NO. 1 NEAR MINERAL POINT, WI—Continued

DAILY SUM DISCHARGE, CUBIC FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
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	440	0	0	0	0	0	0
10	0	0	0	0	0	e6,820	0	0	0	0	0	0
11	0	0	0	0	0	9,490	0	0	0	0	0	0
12	0	0	0	0	0	28,700	0	0	0	0	0	0
13	0	0	0	0	0	1,390	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	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	180	0	610	0	0	0	0	0	0	0
22	0	0	0	0	e990	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	180	0	1,600	46,840	0	0	0	0	0	0
Mean	0	0	6	0	57	1,510	0	0	0	0	0	0
Max	0	0	180	0	990	28,700	0	0	0	0	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.--July 2004 to September 2007 (discontinued).

REVISED RECORDS.--Published sample runoff volumes for water years 2004 and 2005 have been revised.

INSTRUMENTATION.--Water-quality sampler since July 2004 to September 2007 (discontinued).

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 2006 TO SEPTEMBER 2007

[Remark codes: <, less than.]

Date	Time	End time	Sam- pling method, code (82398)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 105degC wat flt mg/L (00515)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Hydro- lyzable phos- phorus, water, fltrd, mg/L (00672)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Phos- phorus, water, unfltrd mg/L (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sample runoff volume, cubic feet 99906 (99906)
Dec												
21-21	0854	1055	50	1.6	102	5.0	1.20	.98	4.80	1.27	107	159
Feb												
22-22	1239	1747	50	39.9	952	100	44.2	1.70	<.100	5.77	209	711
Mar												
09-10	2115	1213	50	47.1	1,050	80	32.4	3.21	<.100	7.00	18	1,800
Mar												
10-11	1213	1303	50	22.8	588	49	21.1	2.38	<.100	4.70	21	6,200
Mar												
11-12	1303	1003	50	9.9	268	23	11.2	1.80	<.100	2.73	20	10,100
Mar												
12-12	1003	2137	50	2.8	84	6.4	4.23	1.07	.100	1.20	27	27,200
Mar												
13-13	0959	1427	50	3.8	142	10	6.47	2.56	.200	2.76	41	1,380