

Water-Data Report 2006

04085068 ASHWAUBENON CREEK NEAR LITTLE RAPIDS, WI

Fox Basin
Lower Fox Subbasin

LOCATION.--Lat 44°24'51", long 88°07'37" referenced to North American Datum of 1927, Brown County, WI, Hydrologic Unit 04030204, on left bank 10 ft downstream from Creamery Road bridge and 2 mi north of Little Rapids.

DRAINAGE AREA.--19.9 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1976 to November 1977 (fragmentary, instantaneous discharge only, discontinued), October 2003 to November 15, 2006 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 620 ft above NGVD of 1929.

REMARKS.--Records good, except those that are estimated and those under 0.5 cfs, which are poor.

04085068 ASHWAUBENON CREEK NEAR LITTLE RAPIDS, WI—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.55	0.20	e2.1	1.5	e18	e1.4	5.4	1.4	4.3	0.19	0.39	0.04
2	0.30	0.20	e1.2	6.1	e14	e1.2	5.8	1.3	1.7	0.12	0.46	0.04
3	0.23	0.22	e0.71	e28	e11	1.2	40	1.2	1.0	0.09	0.33	0.04
4	0.17	0.22	e0.66	e38	e7.6	1.1	33	1.1	0.74	0.09	0.23	0.05
5	0.15	0.26	e0.62	e47	e5.3	1.3	12	0.89	0.53	0.08	0.13	0.06
6	0.22	3.2	e0.61	e30	e4.4	1.3	6.4	0.77	0.49	0.06	0.11	0.05
7	0.16	4.0	0.88	e15	e3.4	1.4	4.3	0.71	0.55	0.05	0.09	0.05
8	0.16	2.9	0.77	e7.6	e2.4	1.7	3.5	0.68	0.47	0.05	0.07	0.16
9	0.16	1.6	0.69	4.9	e1.8	e2.7	2.9	0.69	0.39	0.06	0.06	0.37
10	0.15	0.89	0.64	e3.5	e1.6	e14	2.4	0.76	0.34	0.06	0.07	0.13
11	0.15	0.60	0.61	2.6	e1.5	e113	2.1	10	0.32	0.07	0.07	0.50
12	0.16	0.53	0.54	2.2	e1.4	e208	5.5	107	0.28	0.08	0.06	0.72
13	0.18	0.69	0.47	2.1	e1.4	e178	16	83	0.28	0.07	0.07	0.48
14	0.20	0.64	0.48	2.1	e1.4	e59	8.3	84	0.29	0.07	0.07	0.28
15	0.20	1.3	0.53	1.8	e1.2	e27	5.1	66	0.28	0.07	0.06	0.22
16	0.20	8.1	e0.55	1.6	e1.5	18	3.4	34	0.25	0.06	0.05	0.23
17	0.22	9.4	0.52	1.4	e1.6	13	2.7	47	0.20	0.05	0.04	0.15
18	0.26	3.9	e0.51	e1.3	e1.6	9.6	1.9	58	0.20	0.05	0.04	0.16
19	0.26	2.0	e0.51	1.1	e1.6	7.2	1.4	15	0.19	0.05	0.04	0.15
20	0.30	1.6	e0.51	0.91	e1.6	5.9	1.4	6.3	0.18	0.08	0.04	0.12
21	0.26	1.5	e0.51	0.81	e1.7	4.5	1.3	4.0	0.19	0.06	0.03	0.11
22	0.26	1.3	e0.51	0.72	e1.8	3.5	1.2	2.6	0.16	0.05	0.03	0.12
23	0.41	0.96	0.56	0.69	e1.8	3.2	1.2	1.9	0.14	0.05	0.04	0.15
24	0.40	0.66	0.59	0.66	e1.7	3.2	1.2	1.5	0.17	0.09	0.08	0.18
25	0.34	0.47	0.62	0.58	e1.7	3.4	1.1	2.0	0.39	0.23	0.11	0.14
26	0.26	0.35	0.66	0.51	e1.8	3.7	1.0	2.4	0.37	0.30	0.08	0.13
27	0.23	0.87	0.74	0.56	e1.7	3.8	0.94	1.7	0.26	0.12	0.07	0.20
28	0.19	e5.2	0.85	0.80	e1.5	3.8	0.97	1.3	0.21	0.11	0.05	0.18
29	0.20	e13	0.94	e19	---	3.7	1.1	1.1	0.17	0.10	0.06	0.15
30	0.20	e5.4	0.97	e50	---	3.8	1.1	1.0	0.17	0.88	0.04	0.19
31	0.20	---	1.1	29	---	4.3	---	3.9	---	0.94	0.04	---
Total	7.33	72.16	22.16	302.04	98.0	706.9	174.61	543.20	15.21	4.43	3.11	5.55
Mean	0.24	2.41	0.71	9.74	3.50	22.8	5.82	17.5	0.51	0.14	0.10	0.18
Max	0.55	13	2.1	50	18	208	40	107	4.3	0.94	0.46	0.72
Min	0.15	0.20	0.47	0.51	1.2	1.1	0.94	0.68	0.14	0.05	0.03	0.04
Cfsm	0.01	0.12	0.04	0.49	0.18	1.15	0.29	0.88	0.03	0.01	0.01	0.01
In.	0.01	0.13	0.04	0.56	0.18	1.32	0.33	1.02	0.03	0.01	0.01	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.49	4.77	2.92	5.00	8.12	32.8	4.67	21.8	16.5	0.31	0.78	0.15
Max	0.74	11.0	5.65	9.74	19.1	58.0	5.82	46.2	38.1	0.85	1.99	0.19
(WY)	(2005)	(2004)	(2004)	(2006)	(2005)	(2004)	(2006)	(2004)	(2004)	(2004)	(2005)	(2005)
Min	0.24	0.91	0.09	2.32	1.05	10.2	2.67	1.56	0.51	0.09	0.10	0.08
(WY)	(2006)	(2005)	(1977)	(2004)	(1977)	(1977)	(2004)	(2005)	(2006)	(1977)	(2006)	(2004)

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SUMMARY STATISTICS

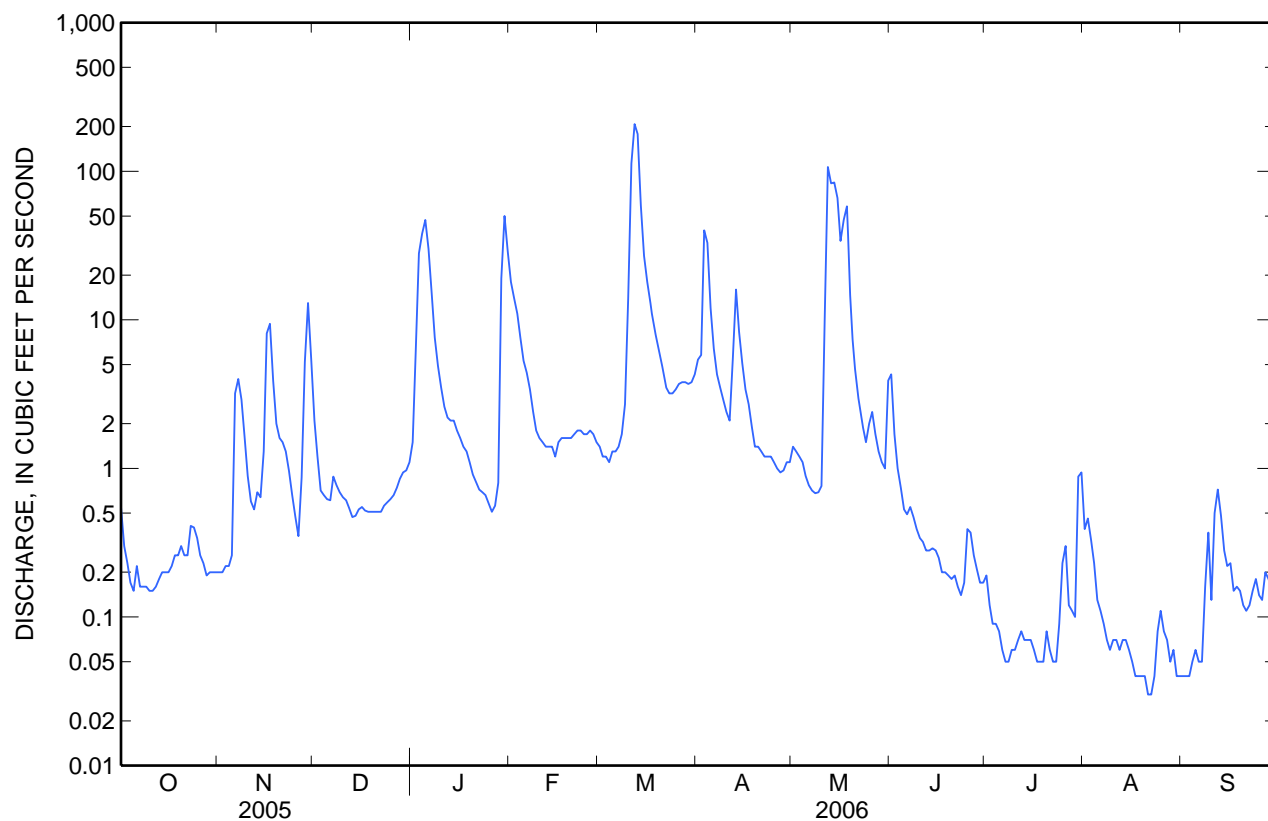
	Calendar Year 2005		Water Year 2006		Water Years 1977 - 2006	
Annual total	2,584.12		1,954.70			
Annual mean	7.08		5.36		9.11	
Highest annual mean					14.6	2004
Lowest annual mean					5.36	2006
Highest daily mean	^a 189	Mar 27	^a 208	Mar 12	305	May 23, 2004
Lowest daily mean	0.02	Aug 4 ^b	0.03	Aug 21 ^c	0.01	May 10, 1977
Annual seven-day minimum	0.02	Aug 3	0.04	Aug 17	0.02	Aug 3, 2005
Maximum peak flow			d	Mar 12	560	Mar 5, 2004
Maximum peak stage			^a 8.78	Mar 12	9.44	Mar 5, 2004
Annual runoff (cfsm)	0.356		0.269		0.458	
Annual runoff (inches)	4.83		3.65		6.22	
10 percent exceeds	15		8.2		17	
50 percent exceeds	0.68		0.69		0.84	
90 percent exceeds	0.08		0.07		0.08	

^a Ice affected.

^b Also occurred Aug. 5-9.

^c Also occurred Aug. 22.

^d Unknown.



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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.17	0.26	---	---	---	---	---	---	---	---	---	---
2	0.16	0.24	---	---	---	---	---	---	---	---	---	---
3	0.26	0.23	---	---	---	---	---	---	---	---	---	---
4	2.8	0.24	---	---	---	---	---	---	---	---	---	---
5	0.78	0.24	---	---	---	---	---	---	---	---	---	---
6	0.34	0.23	---	---	---	---	---	---	---	---	---	---
7	0.28	0.24	---	---	---	---	---	---	---	---	---	---
8	0.38	0.25	---	---	---	---	---	---	---	---	---	---
9	0.38	0.25	---	---	---	---	---	---	---	---	---	---
10	0.37	0.22	---	---	---	---	---	---	---	---	---	---
11	0.77	0.22	---	---	---	---	---	---	---	---	---	---
12	0.68	0.22	---	---	---	---	---	---	---	---	---	---
13	0.64	0.23	---	---	---	---	---	---	---	---	---	---
14	0.60	0.23	---	---	---	---	---	---	---	---	---	---
15	0.49	0.24	---	---	---	---	---	---	---	---	---	---
16	0.48	---	---	---	---	---	---	---	---	---	---	---
17	1.2	---	---	---	---	---	---	---	---	---	---	---
18	1.0	---	---	---	---	---	---	---	---	---	---	---
19	0.93	---	---	---	---	---	---	---	---	---	---	---
20	0.62	---	---	---	---	---	---	---	---	---	---	---
21	0.46	---	---	---	---	---	---	---	---	---	---	---
22	0.64	---	---	---	---	---	---	---	---	---	---	---
23	0.52	---	---	---	---	---	---	---	---	---	---	---
24	0.48	---	---	---	---	---	---	---	---	---	---	---
25	0.38	---	---	---	---	---	---	---	---	---	---	---
26	0.32	---	---	---	---	---	---	---	---	---	---	---
27	0.32	---	---	---	---	---	---	---	---	---	---	---
28	0.34	---	---	---	---	---	---	---	---	---	---	---
29	0.31	---	---	---	---	---	---	---	---	---	---	---
30	0.30	---	---	---	---	---	---	---	---	---	---	---
31	0.28	---	---	---	---	---	---	---	---	---	---	---
Total	17.68	3.54	---	---	---	---	---	---	---	---	---	---
Mean	0.57	0.24	---	---	---	---	---	---	---	---	---	---
Max	2.8	0.26	---	---	---	---	---	---	---	---	---	---
Min	0.16	0.22	---	---	---	---	---	---	---	---	---	---
Cfsm	0.03	0.01	---	---	---	---	---	---	---	---	---	---
In.	0.03	0.01	---	---	---	---	---	---	---	---	---	---

04085068 ASHWAUBENON CREEK NEAR LITTLE RAPIDS, WI—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SUSPENDED-SOLIDS DISCHARGE: October 2003 to current year.

TOTAL-PHOSPHORUS DISCHARGE: October 2003 to current year.

INSTRUMENTATION.--Water-quality sampler October 2003 to current year.

REMARKS.--Chemical analyses by the Green Bay Metropolitan Sewerage District Laboratory. Samples are point samples unless otherwise indicated.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SOLIDS DISCHARGE: Maximum daily, 544 tons, May 23, 2004; minimum daily, 0.001 tons, Oct. 1-2, 2003, and many days during 2005 and 2006 water years.

TOTAL-PHOSPHORUS DISCHARGE: Maximum daily, 1,860 lbs, May 23, 2004; minimum daily, 0.03 lbs, Sept. 23, 27-28, 30, Oct. 1, 2004.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED-SOLIDS DISCHARGE: Maximum daily, 63.9 tons, June 13; minimum daily, 0.001 tons, Oct. 8-16.

TOTAL-PHOSPHORUS DISCHARGE: Maximum daily, 541 lbs, Mar. 12; minimum daily, 0.06 lbs, Aug. 22.

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SUSPENDED SOLIDS, DRIED AT 105 DEGREES CELSIUS, WATER, UNFILTERED, TONS PER DAY
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.010	0.005	e0.040	0.020	0.34	e0.007	0.060	0.020	0.57	0.020	0.050	0.005
2	0.005	0.005	e0.020	0.14	0.23	e0.007	0.070	0.020	0.21	0.010	0.060	0.004
3	0.003	0.006	e0.010	1.44	0.18	0.006	5.22	0.020	0.13	0.008	0.040	0.005
4	0.002	0.006	e0.010	2.26	1.03	0.006	2.94	0.020	0.090	0.007	0.020	0.005
5	0.002	0.008	e0.010	2.54	e0.070	0.007	0.39	0.010	0.060	0.006	0.010	0.006
6	0.002	0.14	e0.010	1.13	e0.050	0.007	0.090	0.010	0.060	0.005	0.010	0.005
7	0.002	0.12	0.010	0.36	e0.070	0.007	0.040	0.010	0.070	0.004	0.008	0.005
8	0.001	0.070	0.010	0.12	e0.040	0.009	0.030	0.009	0.060	0.004	0.006	0.020
9	0.001	0.040	0.010	0.060	e0.020	e0.010	0.020	0.009	0.050	0.004	0.005	0.040
10	0.001	0.020	0.010	e0.040	e0.010	e0.71	0.020	0.010	0.040	0.004	0.006	0.010
11	0.001	0.010	e0.009	0.030	e0.010	e19.6	0.010	3.70	0.040	0.005	0.006	0.060
12	0.001	0.010	0.008	0.020	e0.009	e46.9	0.080	32.4	0.030	0.006	0.005	0.10
13	0.001	0.020	e0.007	0.020	e0.008	e63.9	0.69	9.61	0.030	0.005	0.006	0.060
14	0.001	0.020	e0.007	0.020	e0.008	e11.0	0.18	14.7	0.030	0.004	0.006	0.030
15	0.001	0.070	e0.007	0.010	e0.007	e1.98	0.070	9.32	0.030	0.004	0.005	0.020
16	0.001	0.42	e0.008	0.010	e0.008	0.80	0.030	3.78	0.030	0.004	0.004	0.020
17	0.002	0.35	e0.007	0.010	e0.009	0.34	0.020	54.2	0.020	0.003	0.004	0.010
18	0.002	0.11	0.007	e0.009	e0.009	0.20	0.010	27.1	0.020	0.003	0.003	0.010
19	0.003	0.050	0.007	0.007	e0.008	0.12	0.010	1.56	0.020	0.003	0.004	0.010
20	0.003	0.040	0.007	0.006	e0.008	0.080	0.010	0.54	0.020	0.005	0.004	0.009
21	0.003	0.030	0.007	0.005	e0.009	0.050	0.010	0.33	0.020	0.003	0.003	0.008
22	0.004	0.030	0.007	0.004	e0.010	0.040	0.010	0.20	0.020	0.003	0.003	0.009
23	0.006	0.020	0.008	0.004	e0.010	0.030	0.010	0.14	0.010	0.003	0.004	0.010
24	0.007	0.010	0.008	0.004	e0.009	0.030	0.010	0.11	0.020	0.006	0.009	0.020
25	0.007	0.009	0.008	0.003	e0.009	0.040	0.010	0.14	0.040	0.020	0.010	0.010
26	0.006	0.007	0.009	0.003	e0.009	0.040	0.010	0.17	0.030	0.030	0.009	0.010
27	0.006	0.030	0.010	0.003	e0.009	0.040	0.010	0.12	0.020	0.010	0.008	0.020
28	0.005	e0.34	0.010	0.004	e0.008	0.040	0.010	0.090	0.020	0.010	0.007	0.020
29	0.005	e0.46	0.010	2.21	---	0.040	0.010	0.070	0.010	0.009	0.007	0.020
30	0.005	e0.11	0.010	5.80	---	0.040	0.010	0.10	0.010	0.15	0.005	0.020
31	0.005	---	0.020	0.74	---	0.050	---	0.53	---	0.14	0.005	---
Total	0.104	2.566	0.321	17.032	2.197	146.136	10.090	159.048	1.810	0.498	0.332	0.581

Water Year 2006

Total 340.715

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PHOSPHORUS, WATER, UNFILTERED, POUNDS PER DAY
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.03	0.59	e3.76	1.42	36.5	e1.05	4.75	2.56	20.1	0.84	1.30	0.09
2	0.44	0.57	e1.63	8.34	24.1	e0.93	5.21	2.64	7.30	0.51	1.45	0.08
3	0.26	0.62	e0.83	55.0	17.8	0.88	60.4	2.46	4.49	0.39	1.02	0.08
4	0.15	0.58	e0.73	89.3	87.3	0.86	66.7	2.28	3.12	0.36	0.68	0.10
5	0.12	0.66	e0.69	119	e7.50	0.99	16.9	1.77	2.19	0.31	0.38	0.11
6	0.17	14.0	e0.67	62.2	e5.80	0.99	6.16	1.54	2.00	0.26	0.30	0.09
7	0.13	17.8	0.95	23.8	e7.43	1.04	3.64	1.42	2.23	0.21	0.24	0.09
8	0.12	6.00	0.82	9.40	e4.32	1.30	2.83	1.37	1.87	0.21	0.17	0.27
9	0.12	3.30	0.73	5.04	e1.99	e2.04	2.26	1.39	1.53	0.23	0.15	0.63
10	0.11	1.83	0.67	e3.12	e1.62	e21.4	1.82	1.53	1.32	0.23	0.17	0.22
11	0.11	1.24	e0.63	2.17	e1.45	e267	1.53	179	1.19	0.26	0.17	0.79
12	0.11	1.10	0.55	1.74	e1.29	e541	5.31	374	1.03	0.29	0.14	1.11
13	0.13	1.44	e0.48	1.71	e1.21	e495	21.7	263	1.02	0.24	0.15	0.73
14	0.16	1.34	e0.49	1.69	e1.13	e160	9.14	217	1.07	0.24	0.15	0.41
15	0.17	2.44	e0.53	1.36	e0.97	e49.9	4.80	157	1.02	0.23	0.11	0.31
16	0.19	81.2	e0.54	1.20	e1.18	20.5	2.90	77.2	0.93	0.19	0.09	0.32
17	0.24	68.5	e0.50	1.10	e1.26	13.5	2.41	222	0.77	0.18	0.08	0.20
18	0.31	13.7	0.50	e0.96	e1.26	9.89	1.78	195	0.75	0.17	0.08	0.20
19	0.35	5.83	0.50	0.79	e1.23	7.31	1.43	36.5	0.76	0.16	0.07	0.18
20	0.45	4.53	0.50	0.67	e1.23	5.86	1.45	15.7	0.73	0.27	0.08	0.14
21	0.44	3.92	0.50	0.59	e1.28	4.34	1.42	10.3	0.76	0.19	0.07	0.13
22	0.49	3.25	0.50	0.52	e1.41	3.41	1.44	6.93	0.66	0.17	0.06	0.14
23	0.84	2.28	0.55	0.49	e1.41	3.08	1.53	5.25	0.56	0.15	0.09	0.18
24	0.93	1.48	0.58	0.47	e1.34	2.99	1.56	4.29	0.69	0.29	0.17	0.23
25	0.86	0.99	0.60	0.41	e1.34	3.18	1.49	6.06	1.62	0.77	0.25	0.19
26	0.75	0.71	0.64	0.36	e1.36	3.42	1.46	7.68	1.59	1.00	0.18	0.17
27	0.73	1.64	0.72	0.40	e1.33	3.50	1.43	5.50	1.11	0.39	0.16	0.29
28	0.67	e10.8	0.82	1.04	e1.15	3.46	1.57	4.55	0.92	0.37	0.13	0.27
29	0.67	e34.8	0.91	341	---	3.34	1.81	3.95	0.76	0.32	0.13	0.22
30	0.64	e14.0	0.95	302	---	3.42	2.02	3.91	0.74	3.12	0.10	0.29
31	0.62	---	1.11	103	---	3.79	---	18.6	---	3.23	0.09	---
Total	12.51	301.14	24.58	1,140.29	217.19	1,639.37	238.85	1,832.38	64.83	15.78	8.41	8.26

Water Year 2006

Total 5,503.59

04085068 ASHWAUBENON CREEK NEAR LITTLE RAPIDS, WI—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 3

[Remark codes: <, less than.]

Date	Time	Dis-charge, cfs (00060)	Instan- taneous dis-charge, cfs (00061)	Sam- pling method, code (82398)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)
Oct								
13...	1212	--	.17	10	2	--	.130	--
28...	1015	--	.18	10	10	.540	.650	--
Nov								
06...	0210	--	1.7	50	20	--	.470	--
07...	0215	--	3.8	50	14	--	1.36	--
08...	0215	--	4.0	50	9	.310	.380	--
15...	1130	--	.55	10	18	--	.390	--
16...	0800	--	4.6	50	28	--	.310	--
16...	1100	--	7.4	50	20	--	2.95	--
18...	1110	--	3.8	50	10	--	.580	--
28...	0920	5.2	--	50	33	--	.340	--
28...	2120	5.2	--	50	20	--	.480	--
29...	0920	13	--	50	14	.390	.480	--
30...	0920	5.4	--	50	7	--	.520	--
Dec								
17...	1305	--	.54	10	5	--	.180	--
Jan								
03...	1512	28	--	50	23	.300	.400	--
05...	1415	47	--	50	21	--	.490	--
24...	1000	--	.64	10	<2	.119	.131	--
29...	1105	19	--	50	41	--	4.72	--
29...	1720	19	--	50	78	--	9.46	98
29...	2120	19	--	50	108	--	.710	--
30...	0920	50	--	50	48	.590	1.44	--
31...	0925	--	30	50	8	--	.650	--
Feb								
14...	1315	1.4	--	50	<2	.120	.147	--

04085068 ASHWAUBENON CREEK NEAR LITTLE RAPIDS, WI—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 3

[Remark codes: <, less than.]

Date	Time	Dis-charge, cfs (00060)	Instan- taneous dis-charge, cfs (00061)	Sam- pling method, code (82398)	Residue	Phos- phorus, water, fltred, mg/L (00666)	Phos- phorus, water, unfltred, mg/L (00665)	Suspnd.	Sus- pended
					total at 105 deg. C, sus- pended, mg/L (00530)			ment, sieve diametr percent <.063mm (70331)	ment concentr- ation mg/L (80154)
Mar									
10...	1610	14	--	50	32	--	.350	--	--
10...	2305	14	--	50	38	--	.420	--	53
11...	1420	113	--	50	60	--	.460	--	--
11...	2055	113	--	50	112	--	.430	--	--
12...	0010	208	--	50	107	.260	.450	98	118
12...	1400	208	--	10	85	--	.610	--	--
12...	1410	208	--	50	70	--	.430	--	--
12...	1700	208	--	50	74	--	.410	--	101
13...	0840	178	--	50	168	.230	.510	--	--
14...	0425	59	--	50	100	--	.600	--	--
14...	2210	59	--	50	39	--	.400	--	--
15...	1600	27	--	50	25	--	.350	--	--
21...	1220	--	4.2	10	4	.160	.180	--	--
Apr									
03...	0110	--	9.3	50	11	--	.210	--	--
03...	1135	--	43	50	40	--	.220	--	--
03...	1635	--	60	50	71	--	.300	--	--
04...	0435	--	46	50	40	.410	.420	--	--
05...	1520	--	11	10	9	.200	.230	--	--
12...	1220	--	5.6	10	2	--	.130	--	--

04085068 ASHWAUBENON CREEK NEAR LITTLE RAPIDS, WI—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 3

[Remark codes: <, less than.]

Date	Time	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Residue	Phos- phorus, water, fltred, mg/L (00666)	Phos- phorus, water, unfltred mg/L (00665)
				total at 105 deg. C, sus- pended, mg/L (00530)		
May						
02...	1540	1.3	10	5	.280	.370
11...	1315	4.8	50	79	--	5.18
11...	2205	37	50	170	--	3.40
12...	0145	55	50	179	--	.670
12...	0850	90	50	120	.340	.560
12...	1315	120	50	144	--	.650
13...	0115	131	50	57	.470	.680
13...	1620	64	50	32	--	.520
14...	0420	53	50	46	--	.500
14...	1230	87	50	74	--	.460
14...	1815	114	50	79	--	.500
15...	0550	80	50	55	.340	.460
16...	0055	42	50	46	--	.410
17...	1430	35	50	50	--	.450
17...	1600	53	50	1,270	--	1.76
17...	2120	87	50	572	.310	.990
18...	1320	50	50	81	--	.510
18...	1321	50	10	76	--	.430
19...	1005	16	10	33	.330	.440
30...	1340	1.1	10	41	.550	.700
31...	1735	7.0	50	53	--	.940
Jun						
13...	1415	.25	10	43	--	.670
29...	0945	.22	10	32	.710	.820
Jul						
19...	1330	.03	10	23	--	.620
27...	1010	.15	10	33	.460	.610
30...	0920	2.3	50	110	--	.670
Aug						
17...	1510	.03	10	32	--	.340
28...	1010	.05	10	48	.200	.460
Sep						
21...	0915	.11	10	28	--	.220
29...	0940	.14	10	46	.150	.280

04085068 ASHWAUBENON CREEK NEAR LITTLE RAPIDS, WI—Continued

CLIMATOLOGICAL RECORDS

PERIOD OF RECORD.--November 2003 to November 2006 (non-frozen precipitation).

INSTRUMENTATION.--Tipping bucket rain gage with electronic datalogger.

REMARKS.--Rainfall estimated to be 0.00 for Nov. 16, 18, 19, 26, Dec. 7, 11, 15, 22, 23, 30, 31, Jan. 1, 2, 13, 17, 31, Feb. 1, 3, 5, 8, 10, 11, 14, Mar. 2, 6-9, 14 and Nov. 10-14, 2006 because recorded precipitation interpreted as collector snowmelt.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily rainfall, 3.15in., Aug. 18, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum daily rainfall, 1.73 in., May 11.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY SUM VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	e0.00	e0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	e0.00	0.00	e0.00	0.38	0.01	0.01	0.00	0.58	0.00
3	0.00	0.00	0.00	0.00	e0.00	0.00	0.17	0.00	0.00	0.00	0.01	0.00
4	0.02	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.08	0.75	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.28	0.43	0.00	0.00	0.00	e0.00	0.00	0.00	0.11	0.00	0.11	0.00
7	0.03	0.00	e0.00	0.00	0.00	e0.00	0.10	0.00	0.01	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	1.07
9	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.22	0.01	0.00	0.00	0.11
10	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.04
11	0.00	0.00	e0.00	0.00	e0.00	0.10	0.01	1.73	0.00	0.00	0.00	1.02
12	0.01	0.24	0.00	0.00	0.00	0.27	0.69	0.57	0.00	0.00	0.00	0.14
13	0.02	0.01	0.00	e0.00	0.00	0.21	0.08	0.22	0.00	0.00	0.00	0.02
14	0.01	0.02	0.00	0.00	e0.00	e0.00	0.01	0.38	0.01	0.00	0.17	0.00
15	0.00	0.80	e0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
16	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
17	0.17	0.00	0.00	e0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.06
18	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
19	0.00	e0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.01	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.22	0.00	0.01
21	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
22	0.47	0.00	e0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.14
23	0.11	0.10	e0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.19	0.25
24	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.36	0.63	1.11	0.27	0.01
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.03	0.06	0.00
26	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00
27	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.35
28	0.00	0.21	0.00	0.61	0.00	0.00	0.00	0.15	0.07	0.00	0.00	0.04
29	0.00	0.00	0.00	0.54	---	0.00	0.06	0.00	0.00	0.00	0.00	0.09
30	0.07	0.00	e0.00	0.00	---	0.00	0.22	0.00	0.00	0.96	0.00	0.06
31	0.00	---	e0.00	e0.00	---	0.16	---	0.76	---	0.00	0.00	---
Total	1.27	3.09	0.00	1.36	0.00	0.74	2.06	5.04	1.15	2.86	1.40	3.41

04085068 ASHWAUBENON CREEK NEAR LITTLE RAPIDS, WI—Continued

	Calendar Year 2005	Water Year 2006
Total	24.56	22.38

PRECIPITATION, TOTAL, INCHES
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	0.01	0.00	---	---	---	---	---	---	---	---	---	---
2	0.20	0.00	---	---	---	---	---	---	---	---	---	---
3	0.93	0.00	---	---	---	---	---	---	---	---	---	---
4	0.36	0.01	---	---	---	---	---	---	---	---	---	---
5	0.00	0.00	---	---	---	---	---	---	---	---	---	---
6	0.00	0.00	---	---	---	---	---	---	---	---	---	---
7	0.00	0.00	---	---	---	---	---	---	---	---	---	---
8	0.00	0.02	---	---	---	---	---	---	---	---	---	---
9	0.00	0.00	---	---	---	---	---	---	---	---	---	---
10	0.21	e0.00	---	---	---	---	---	---	---	---	---	---
11	0.31	e0.00	---	---	---	---	---	---	---	---	---	---
12	0.00	e0.00	---	---	---	---	---	---	---	---	---	---
13	0.00	e0.00	---	---	---	---	---	---	---	---	---	---
14	0.00	e0.00	---	---	---	---	---	---	---	---	---	---
15	0.00	0.00	---	---	---	---	---	---	---	---	---	---
16	0.27	0.00	---	---	---	---	---	---	---	---	---	---
17	0.48	---	---	---	---	---	---	---	---	---	---	---
18	0.18	---	---	---	---	---	---	---	---	---	---	---
19	0.00	---	---	---	---	---	---	---	---	---	---	---
20	0.00	---	---	---	---	---	---	---	---	---	---	---
21	0.21	---	---	---	---	---	---	---	---	---	---	---
22	0.09	---	---	---	---	---	---	---	---	---	---	---
23	0.00	---	---	---	---	---	---	---	---	---	---	---
24	0.00	---	---	---	---	---	---	---	---	---	---	---
25	0.00	---	---	---	---	---	---	---	---	---	---	---
26	0.00	---	---	---	---	---	---	---	---	---	---	---
27	0.02	---	---	---	---	---	---	---	---	---	---	---
28	0.06	---	---	---	---	---	---	---	---	---	---	---
29	0.00	---	---	---	---	---	---	---	---	---	---	---
30	0.00	---	---	---	---	---	---	---	---	---	---	---
31	0.00	---	---	---	---	---	---	---	---	---	---	---
Total	3.33	---	---	---	---	---	---	---	---	---	---	---