

Water-Data Report 2006

**04072150 DUCK CREEK NEAR HOWARD, WI**

Northwestern Lake Michigan Basin  
Duck-Pensaukee Subbasin

LOCATION.--Lat 44°32'09", long 88°07'47" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec.19, T.24 N., R.20 E., Brown County, WI, Hydrologic Unit 04030103, on left bank upstream from County Trunk Highway FF bridge 2.2 mi southwest of Howard, and about 9 mi upstream from mouth.

DRAINAGE AREA.--108 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--May 1988 to current year.

GAGE.--Continuous water-stage recorder since April 1988. Elevation of gage is 605 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for estimated daily discharges and discharges less than 0.5 ft<sup>3</sup>/s, which are poor. Gage-height telemeter at station.

## 04072150 DUCK CREEK NEAR HOWARD, 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	2.5	2.6	30	e5.0	e77	e5.4	63	12	36	1.8	0.27	0.04
2	2.6	2.7	e22	e8.7	e65	e5.2	76	13	27	1.5	1.5	0.02
3	1.9	2.9	e13	e14	e68	e5.0	141	14	21	1.2	1.4	0.00
4	1.5	2.8	e5.6	e28	e58	e5.2	264	14	16	1.2	0.78	0.00
5	1.5	3.3	e5.4	e40	e50	e5.0	169	12	12	1.0	0.45	0.00
6	2.4	7.3	e5.3	e60	e36	e4.8	111	11	11	0.82	1.7	0.00
7	2.1	4.9	e5.1	e40	e23	e4.8	91	9.4	9.6	0.77	1.2	0.00
8	1.4	5.5	e5.1	e30	e14	e5.1	77	8.3	8.3	0.65	0.73	0.00
9	1.1	7.9	e4.8	e23	e10	e11	62	8.2	7.2	0.40	0.43	0.83
10	0.84	7.1	e4.3	e19	e8.4	e30	50	8.1	6.2	0.35	0.29	0.31
11	0.67	6.6	e3.7	e15	e7.8	e100	42	22	5.5	0.32	0.16	0.24
12	0.68	6.0	e3.6	e13	e7.2	e200	42	189	5.1	0.28	0.12	1.8
13	1.1	6.1	e3.9	e10	e7.0	e460	52	471	4.7	0.21	0.10	1.1
14	1.4	5.5	e3.9	e9.1	e6.9	600	65	511	4.4	0.14	0.09	0.50
15	1.1	6.4	e3.9	e8.5	e7.0	424	54	512	4.2	0.12	0.07	0.23
16	0.86	13	e3.9	e7.8	e7.2	329	43	411	3.6	0.11	0.05	0.12
17	0.71	8.0	e4.0	e7.8	e6.8	212	34	362	3.1	0.10	0.04	0.11
18	0.67	15	e3.9	e6.9	e6.4	162	28	313	3.6	0.08	0.03	0.11
19	0.60	13	e3.9	e7.8	e6.4	127	25	221	4.3	0.06	0.02	0.10
20	0.54	11	e3.7	e6.9	e6.3	102	23	144	2.6	0.08	0.01	0.09
21	0.41	10	e3.9	e6.0	e6.4	75	20	98	2.4	0.10	0.00	0.08
22	0.62	9.1	e4.0	e5.7	e6.2	60	18	69	2.7	0.12	0.00	0.08
23	2.3	9.1	e3.9	e5.4	e5.8	53	17	50	2.1	0.11	0.00	0.17
24	2.1	e8.8	e3.9	e5.2	e5.6	47	17	39	3.3	0.09	0.00	0.62
25	1.7	8.4	e3.9	e5.1	e5.6	46	16	43	9.2	0.09	0.01	0.52
26	1.5	8.0	e3.9	e5.1	e5.6	46	15	42	4.8	2.5	0.20	0.33
27	2.1	9.9	e4.0	e5.2	e5.6	44	13	76	3.4	0.88	0.12	0.49
28	2.5	14	e4.2	e5.4	e5.4	42	12	188	3.3	0.34	0.10	0.86
29	2.5	24	e4.3	e20	---	42	11	118	3.2	0.15	0.09	0.51
30	2.5	37	e4.3	e83	---	45	11	67	2.2	0.47	0.07	0.41
31	2.7	---	e4.5	e103	---	51	---	49	---	0.45	0.05	---
<b>Total</b>	47.10	275.9	183.8	609.6	524.6	3,348.5	1,662	4,105.0	232.0	16.49	10.08	9.67
<b>Mean</b>	1.52	9.20	5.93	19.7	18.7	108	55.4	132	7.73	0.53	0.33	0.32
<b>Max</b>	2.7	37	30	103	77	600	264	512	36	2.5	1.7	1.8
<b>Min</b>	0.41	2.6	3.6	5.0	5.4	4.8	11	8.1	2.1	0.06	0.00	0.00
<b>Cfsm</b>	0.01	0.09	0.05	0.18	0.17	1.00	0.51	1.23	0.07	0.00	0.00	0.00
<b>In.</b>	0.02	0.10	0.06	0.21	0.18	1.15	0.57	1.41	0.08	0.01	0.00	0.00

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2006, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	8.17	28.9	16.7	8.91	29.3	157	145	65.5	109	25.5	10.8	7.05
<b>Max</b>	52.7	207	93.5	36.8	104	369	318	232	370	295	106	36.8
<b>(WY)</b>	(1996)	(1993)	(1993)	(1996)	(2005)	(2004)	(1994)	(2004)	(1990)	(1993)	(2003)	(1990)
<b>Min</b>	0.14	1.02	0.59	0.11	0.51	16.4	9.40	2.79	0.00	0.00	0.00	0.00
<b>(WY)</b>	(2000)	(2000)	(1990)	(1990)	(1989)	(2000)	(1990)	(1988)	(1988)	(1988)	(1988)	(1989)

04072150 DUCK CREEK NEAR HOWARD, WI—Continued

SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1988 - 2006	
<b>Annual total</b>	16,667		11,024			
<b>Annual mean</b>	45.7		30.2		51.8	
<b>Highest annual mean</b>					123	1993
<b>Lowest annual mean</b>					14.5	2000
<b>Highest daily mean</b>	<sup>a</sup> 1,700	Mar 29	600	Mar 14	3,690	Jun 23, 1990
<b>Lowest daily mean</b>	0.00	Aug 2	0.00	Aug 21 <sup>b</sup>	0.00	Jun 1, 1988 <sup>c</sup>
<b>Annual seven-day minimum</b>	0.00	Aug 2	0.00	Sep 2	0.00	Jun 1, 1988 <sup>c</sup>
<b>Maximum peak flow</b>			<sup>d</sup> 792	Mar 13	<sup>e</sup> 4,520	Jun 23, 1990
<b>Maximum peak stage</b>			<sup>a</sup> 16.12	Mar 12	<sup>f</sup> 21.00	Jun 23, 1990
<b>Instantaneous low flow</b>			0.00	Aug 20 <sup>g</sup>	0.00	Jun 1, 1988 <sup>c</sup>
<b>Annual runoff (cfsm)</b>	0.423		0.280		0.480	
<b>Annual runoff (inches)</b>	5.74		3.80		6.52	
<b>10 percent exceeds</b>	71		67		120	
<b>50 percent exceeds</b>	4.9		5.2		6.6	
<b>90 percent exceeds</b>	0.12		0.11		0.41	

<sup>a</sup> Ice affected.

<sup>b</sup> Also occurred Aug. 22-24 and Sept. 3-8.

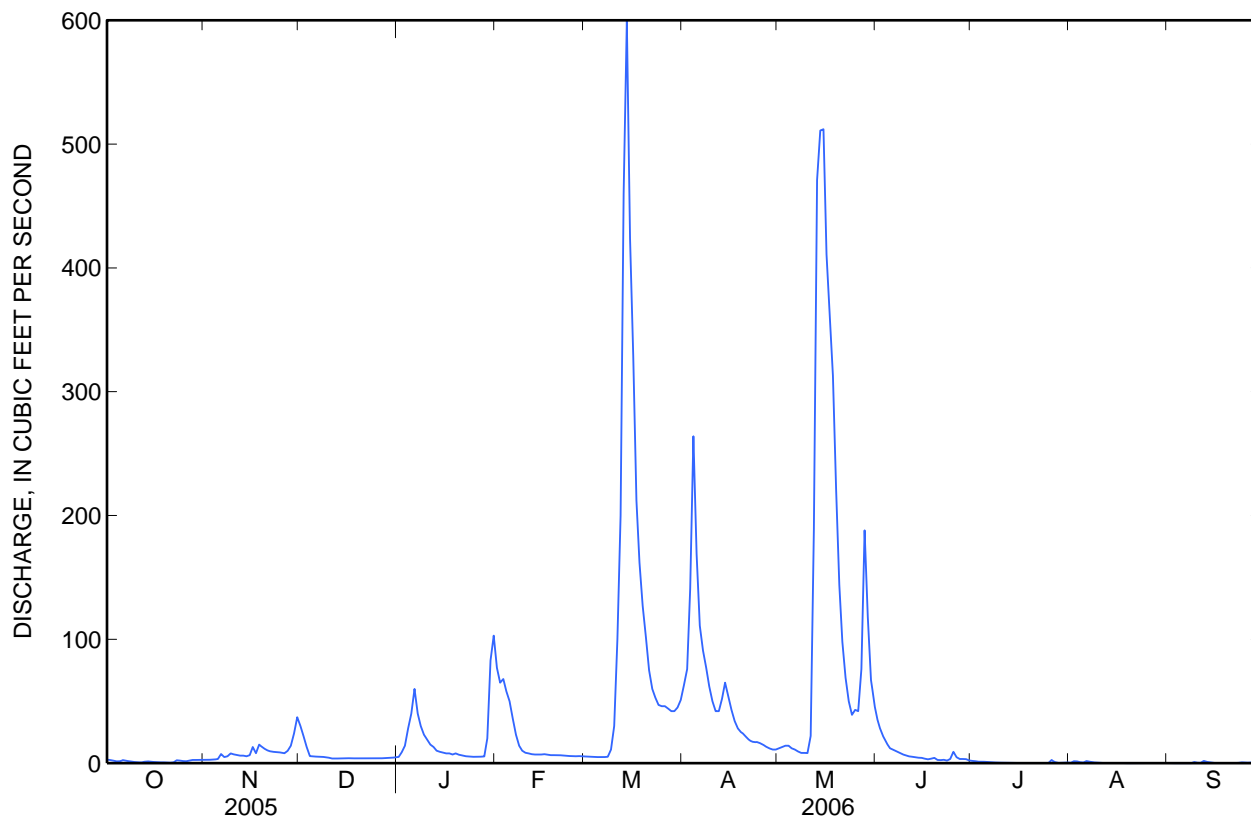
<sup>c</sup> Also occurred additional days.

<sup>d</sup> Gage height, 14.41 ft.

<sup>e</sup> Based on rating curve extended above 1,500 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow.

<sup>f</sup> Estimated from floodmarks.

<sup>g</sup> Also occurred Aug. 21-25 and Sept. 2-8.



**04072150 DUCK CREEK NEAR HOWARD, WI—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--October 1988 to December 1992. April 1995 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 2002 to September 2004 (discontinued).

SPECIFIC CONDUCTANCE: May 2002 to September 2004 (discontinued).

SUSPENDED-SOLIDS DISCHARGE: October 2003 to current year.

TOTAL-PHOPHORUS DISCHARGE: October 2003 to current year.

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

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

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 30.5°C, July 2, 21, 28, 2002; minimum, 0.0°C many days during 2003 water year.

SPECIFIC CONDUCTANCE: Maximum, 1,930  $\mu\text{S}/\text{cm}$ , Jan. 15, 2003 (partial day); minimum, 340  $\mu\text{S}/\text{cm}$ , June 4, 2002.

SUSPENDED-SOLIDS DISCHARGE: Maximum daily, 1,730 tons, June 10, 2004; minimum daily, 0.00 tons, Sept. 27 to Oct. 7, 2004, Aug. 1-12, 17, 20-25, Sept. 4-8, 2005 (result of zero flow).

TOTAL-PHOPHORUS DISCHARGE: Maximum daily, 6,050 lbs, June 10, 2004; minimum daily, 0.00 lbs, Sept. 27 to Oct. 7, 2004, Aug. 2-12, 17, 20-25, Sept. 4-8, 2005 (result of zero flow).

EXTREMES FOR CURRENT YEAR.--

SUSPENDED-SOLIDS DISCHARGE: Maximum daily, 82 tons, Mar. 13; minimum daily, 0.00 tons, Aug. 20-25, Sept. 3-8 (result of zero flow).

TOTAL-PHOPHORUS DISCHARGE: Maximum daily, 4,990 lbs, Mar. 13; minimum daily, 0.00 lbs, Aug. 20-25, Sept. 3-8 (result of zero flow).

## 04072150 DUCK CREEK NEAR HOWARD, WI—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.020	0.020	0.46	0.080	2.08	0.050	1.92	0.10	2.19	0.040	0.007	0.001
2	0.020	0.020	0.24	0.22	1.58	0.050	3.45	0.10	1.45	0.040	0.040	0.001
3	0.010	0.020	0.10	0.57	1.47	0.050	4.47	0.13	1.00	0.030	0.040	0.000
4	0.010	0.020	0.030	0.98	1.10	0.050	7.20	0.16	0.69	0.030	0.020	0.000
5	0.010	0.020	0.030	1.08	0.81	0.050	3.48	0.17	0.49	0.030	0.010	0.000
6	0.020	0.050	0.030	2.92	0.49	0.050	2.01	0.19	0.39	0.020	0.050	0.000
7	0.010	0.030	0.030	1.84	0.31	0.050	1.57	0.19	0.30	0.020	0.040	0.000
8	0.009	0.030	0.030	1.22	0.15	0.050	1.27	0.21	0.24	0.020	0.020	0.000
9	0.007	0.040	0.030	0.75	0.11	0.17	0.98	0.25	0.18	0.010	0.010	0.020
10	0.005	0.040	0.020	0.55	0.070	1.38	0.75	0.29	0.14	0.009	0.009	0.006
11	0.004	0.040	0.020	0.35	0.060	15.1	0.59	1.05	0.11	0.008	0.005	0.005
12	0.004	0.030	0.020	0.26	0.060	21.1	0.57	21.2	0.090	0.007	0.004	0.040
13	0.006	0.030	0.020	0.18	0.040	82.0	0.68	70.0	0.080	0.005	0.003	0.020
14	0.008	0.030	0.020	0.14	0.040	55.7	0.83	80.7	0.070	0.003	0.003	0.008
15	0.007	0.040	0.020	0.11	0.040	24.3	0.68	48.5	0.070	0.003	0.003	0.003
16	0.005	0.12	0.020	0.090	0.040	14.6	0.52	19.1	0.060	0.003	0.002	0.002
17	0.005	0.050	0.020	0.080	0.040	7.43	0.40	41.4	0.060	0.002	0.001	0.002
18	0.005	0.15	0.020	0.060	0.030	4.46	0.33	77.1	0.070	0.002	0.001	0.001
19	0.004	0.12	0.020	0.060	0.030	2.74	0.28	41.5	0.12	0.001	0.001	0.001
20	0.004	0.070	0.030	0.050	0.030	1.74	0.25	18.0	0.050	0.002	0.000	0.001
21	0.003	0.070	0.030	0.040	0.040	1.04	0.21	8.15	0.050	0.002	0.000	0.001
22	0.005	0.060	0.030	0.030	0.040	0.83	0.19	3.90	0.050	0.003	0.000	0.001
23	0.020	0.060	0.030	0.030	0.040	0.74	0.17	2.39	0.040	0.003	0.000	0.002
24	0.020	0.060	0.040	0.030	0.040	0.68	0.17	1.69	0.080	0.002	0.000	0.007
25	0.020	0.060	0.040	0.040	0.040	0.68	0.16	1.68	0.32	0.002	0.000	0.006
26	0.020	0.060	0.040	0.040	0.040	0.68	0.14	1.64	0.14	0.060	0.008	0.004
27	0.020	0.080	0.050	0.060	0.040	0.66	0.12	12.1	0.080	0.020	0.005	0.005
28	0.030	0.11	0.050	0.10	0.040	0.65	0.11	49.7	0.080	0.008	0.004	0.009
29	0.020	0.33	0.060	0.86	---	0.67	0.10	18.3	0.080	0.004	0.003	0.006
30	0.020	0.72	0.060	4.93	---	0.72	0.090	4.23	0.050	0.010	0.003	0.005
31	0.020	---	0.070	3.62	---	1.00	---	3.05	---	0.010	0.002	---
<b>Total</b>	0.371	2.580	1.710	21.370	8.900	239.470	33.690	527.17	8.820	0.409	0.294	0.157

Water Year 2006	
<b>Total</b>	844.941

## 04072150 DUCK CREEK NEAR HOWARD, WI—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.85	1.70	17.4	2.17	90.6	2.16	37.2	3.94	37.5	1.30	0.29	0.03
2	0.99	1.77	11.3	3.75	64.9	2.08	45.1	4.13	26.6	1.04	1.00	0.02
3	0.79	1.87	6.75	6.12	57.7	2.00	99.8	4.96	19.7	0.85	0.92	0.00
4	0.64	1.85	2.83	14.5	43.5	2.08	302	5.42	14.5	0.83	0.85	0.00
5	0.73	2.15	2.67	25.2	33.2	2.00	122	5.47	11.1	0.69	0.49	0.00
6	1.22	4.99	2.58	40.8	21.4	1.92	68.6	5.39	9.47	0.54	1.15	0.00
7	1.16	3.13	2.49	24.8	12.0	1.92	59.5	5.16	7.90	0.49	0.78	0.00
8	0.83	3.58	2.46	16.8	6.65	2.05	53.5	5.08	6.59	0.41	0.80	0.00
9	0.70	5.47	2.26	11.7	4.59	5.17	45.8	5.61	5.45	0.24	0.47	0.52
10	0.58	4.65	2.03	8.91	3.72	24.5	39.1	6.10	4.56	0.21	0.32	0.17
11	0.50	4.30	1.73	6.05	3.37	71.3	34.1	19.5	3.83	0.19	0.17	0.15
12	0.55	3.93	1.64	5.06	3.03	974	35.9	205	3.42	0.16	0.13	1.22
13	0.92	4.01	1.75	4.06	2.87	4,990	42.6	693	3.10	0.12	0.11	0.71
14	1.15	3.59	1.73	3.55	2.76	1,350	50.5	822	2.89	0.08	0.10	0.26
15	0.94	6.25	1.71	3.28	2.80	460	40.4	728	2.75	0.06	0.08	0.11
16	0.70	12.6	1.69	2.98	2.88	323	30.5	390	2.43	0.06	0.06	0.06
17	0.57	5.45	1.74	2.95	2.72	186	22.8	408	2.09	0.05	0.04	0.05
18	0.53	11.6	1.68	2.59	2.56	127	18.1	402	2.65	0.04	0.03	0.05
19	0.46	9.80	1.68	2.89	2.56	88.4	15.4	246	3.23	0.03	0.02	0.04
20	0.41	7.12	1.61	2.54	2.52	63.5	13.2	138	1.78	0.04	0.00	0.04
21	0.30	6.32	1.68	2.19	2.56	42.3	11.0	81.4	1.70	0.05	0.00	0.03
22	0.45	5.51	1.74	2.06	2.48	33.8	9.37	52.3	1.91	0.06	0.00	0.03
23	1.30	5.42	1.69	1.92	2.32	29.6	8.59	37.8	1.50	0.05	0.00	0.06
24	1.17	5.09	1.69	1.97	2.24	26.8	8.07	29.4	2.37	0.04	0.00	0.24
25	1.17	4.76	1.69	2.07	2.24	26.3	7.36	32.0	7.53	0.04	0.00	0.20
26	1.04	4.43	1.69	2.23	2.24	26.2	6.40	34.9	3.65	2.56	0.23	0.13
27	1.37	5.32	1.74	0.85	2.24	25.1	5.55	117	2.49	2.96	0.15	0.19
28	1.60	7.29	1.80	2.86	2.16	24.3	4.71	225	2.44	0.72	0.12	0.33
29	1.63	14.4	1.85	14.7	---	24.6	4.18	139	2.40	0.17	0.10	0.20
30	1.63	23.6	1.85	77.1	---	26.1	3.96	65.4	1.65	0.50	0.07	0.15
31	1.75	---	1.96	141	---	29.7	---	50.9	---	0.48	0.05	---
<b>Total</b>	28.63	181.95	89.11	439.65	384.81	8,993.88	1,245.29	4,967.86	199.18	15.06	8.53	4.99

Water Year 2006	
<b>Total</b>	16,558.94

## 04072150 DUCK CREEK NEAR HOWARD, WI—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 2

[Remark codes: &lt;, 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)
<b>Oct</b>								
13...	0905	--	.94	10	<2	--	.160	--
28...	1120	--	2.4	10	<4	.110	.120	--
<b>Nov</b>								
15...	1330	--	5.7	10	<2	--	.210	--
30...	1030	--	33	50	8	.080	.120	--
<b>Dec</b>								
17...	0918	4.0	--	10	<2	--	.080	--
<b>Jan</b>								
03...	1630	14	--	50	17	.040	.080	--
05...	1310	40	--	50	9	--	.120	--
23...	1504	5.4	--	10	<2	.060	.066	--
29...	1530	20	--	50	18	--	.150	18
30...	0845	83	--	50	--	--	.120	--
30...	2045	83	--	50	25	.160	.260	31
31...	1045	103	--	50	11	--	.260	--
<b>Feb</b>								
14...	0953	6.9	--	10	<2	.070	.074	--
<b>Mar</b>								
10...	1945	30	--	50	22	--	.190	--
11...	0745	100	--	50	88	--	.110	--
12...	0030	200	--	50	30	.150	.160	--
12...	0715	200	--	50	25	--	.190	20
12...	0845	200	--	50	32	--	.210	--
12...	1900	200	--	10	53	--	2.25	--
13...	1520	460	--	10	78	--	2.30	--
14...	1345	--	586	10	28	--	.250	--
14...	1355	--	576	50	28	--	.210	--
15...	1500	--	384	50	20	--	.200	--
21...	1015	--	102	10	5	.101	.103	--
<b>Apr</b>								
02...	2130	--	82	50	20	--	.110	--
03...	0945	--	108	50	10	--	.190	--
03...	2145	--	229	50	12	--	.090	--
05...	1640	--	148	10	7	.080	.110	--
12...	0945	--	42	10	5	--	.160	--

## 04072150 DUCK CREEK NEAR HOWARD, WI—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 2

[Remark codes: &lt;, less than.]

Date	Time	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Residue	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)
				total at 105 deg. C, sus- pended, mg/L (00530)		
<b>May</b>						
02...	1310	12	10	<3	.056	.060
11...	1730	34	50	17	--	.160
12...	0630	71	50	24	--	.190
12...	1400	221	50	40	--	.180
13...	0115	410	50	54	--	.240
16...	0940	414	10	13	.120	.160
18...	0950	326	10	107	--	.260
18...	0951	326	50	106	--	.240
28...	0200	106	50	362	--	.420
28...	0345	264	50	27	--	.160
28...	1545	156	50	87	--	.250
29...	1545	104	50	52	.120	.210
30...	1530	62	10	17	.150	.170
31...	1215	49	50	25	.140	.200
<b>Jun</b>						
13...	1300	4.9	10	6	--	.120
29...	0910	3.3	10	9	.120	.140
<b>Jul</b>						
27...	0855	.94	10	9	.180	.820
<b>Aug</b>						
28...	1120	.10	10	16	.180	.220
<b>Sep</b>						
21...	1030	.08	10	<4	--	.070
29...	1130	.52	10	4	<.050	.070

## 04072150 DUCK CREEK NEAR HOWARD, WI—Continued

## CLIMATOLOGICAL RECORDS

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

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

REMARKS.--Rainfall estimated to be 0.00 for Nov. 16, Dec. 1, 23, 24, 30, 31, Jan. 1-3, 19, 20, 31, Feb. 1, 3, 14, 15, 22, Mar. 2, 6-9, 11, 22, and 23 because recorded precipitation interpreted as collector snowmelt. Rainfall data missing for the period July 24-26.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily rainfall 2.09 in., June 13, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum daily rainfall 1.58 in., May 28.

**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	e0.00	e0.00	e0.00	0.00	0.01	0.07	0.00	0.00	0.00	0.00
2	0.00	0.01	0.00	e0.00	0.00	e0.00	0.36	0.00	0.00	0.00	0.91	0.00
3	0.00	0.00	0.00	e0.00	e0.00	0.00	0.25	0.00	0.00	0.04	0.01	0.00
4	0.16	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.10	0.69	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
6	0.31	0.48	0.00	0.00	0.00	e0.00	0.05	0.01	0.22	0.00	0.07	0.00
7	0.00	0.00	0.00	0.00	0.00	e0.00	0.16	0.00	0.01	0.00	0.01	0.04
8	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.02	0.00	0.98
9	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.31	0.00	0.00	0.00	0.17
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	e0.00	0.01	1.57	0.00	0.00	0.00	0.88
12	0.03	0.17	0.00	0.00	0.00	0.14	0.45	0.86	0.00	0.00	0.00	0.42
13	0.00	0.00	0.00	0.00	0.00	0.18	0.08	0.30	0.00	0.00	0.00	0.00
14	0.00	0.01	0.00	0.00	e0.00	0.00	0.00	0.34	0.01	0.00	0.24	0.00
15	0.00	0.92	0.00	0.00	e0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.01
16	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00
17	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.05
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00
19	0.00	0.00	0.00	e0.00	0.00	0.00	0.17	0.00	0.00	0.13	0.09	0.00
20	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.03	0.01	0.55	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.10
22	0.58	0.00	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.20
23	0.26	0.09	e0.00	0.00	0.00	e0.00	0.14	0.00	0.00	0.00	0.26	0.33
24	0.01	0.00	e0.00	0.00	0.00	0.00	0.04	0.31	0.81	---	0.27	0.02
25	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.89	---	0.07	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	---	0.00	0.00
27	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
28	0.00	0.29	0.00	0.53	0.00	0.00	0.00	1.58	0.43	0.00	0.00	0.05
29	0.00	0.00	0.00	0.54	---	0.00	0.07	0.00	0.01	0.01	0.00	0.07
30	0.11	0.00	e0.00	0.00	---	0.02	0.28	0.00	0.00	0.61	0.00	0.09
31	0.00	---	e0.00	e0.00	---	0.09	---	0.21	---	0.00	0.00	---
<b>Total</b>	1.67	3.25	0.00	1.32	0.00	0.43	2.07	5.90	2.84	---	1.93	3.82