

424848088083100 WIND LAKE AT OUTLET AT WIND LAKE, WI

LOCATION.--Lat 42°48'48", long 88°08'31" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.16, T.4 N., R.20 E., Racine County, WI, Hydrologic Unit 07120006, at Wind Lake.

DRAINAGE AREA.--39.6 mi².

PERIOD OF RECORD.--March 1985 to current year. Prior to October 2000, published as "Wind Lake Outlet".

REVISED RECORDS.--WDR WI-91-1: 1988(m).

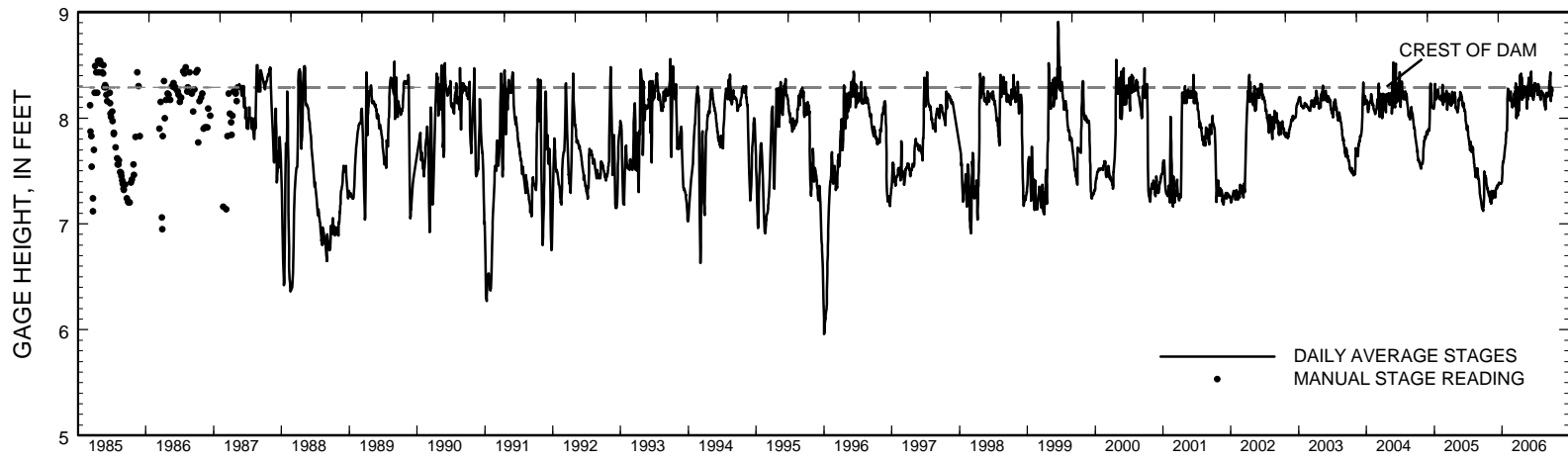
REMARKS.--Lake level regulated by dam with two 10-foot gates at outlet. Lake ice-covered Dec. 3 to Mar. 14. Prior to October 1987, published as Wind Lake at Wind Lake, Wis. Gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.93 ft, June 15, 1999; minimum recorded, 5.95 ft, Jan. 2, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 8.49 ft, Mar. 13,14; minimum recorded, 7.17 ft, Nov. 2,3,and 13.

**GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.45	7.21	7.34	7.42	8.28	8.14	8.12	8.25	8.21	8.30	8.25	8.21
2	7.45	7.20	7.33	7.48	8.28	8.16	8.07	8.24	8.30	8.30	8.24	8.20
3	7.45	7.19	7.33	7.54	8.27	8.17	8.18	8.24	8.37	8.30	8.24	8.21
4	7.45	7.19	7.36	7.56	8.26	8.19	8.22	8.24	8.42	8.30	8.23	8.21
5	7.44	7.20	7.35	7.57	8.24	8.21	8.26	8.23	8.44	8.29	8.22	8.23
6	7.43	7.31	7.35	7.58	8.21	8.23	8.28	8.24	8.41	8.27	8.22	8.24
7	7.41	7.28	7.35	7.58	8.20	8.23	8.40	8.25	8.30	8.25	8.23	8.24
8	7.38	7.29	7.35	7.59	8.24	8.21	8.41	8.26	8.22	8.23	8.22	8.23
9	7.37	7.29	7.37	7.59	8.25	8.25	8.27	8.27	8.23	8.22	8.21	8.22
10	7.36	7.27	7.37	7.60	8.24	8.23	8.20	8.29	8.23	8.24	8.23	8.21
11	7.35	7.25	7.37	7.62	8.22	8.15	8.37	8.24	8.22	8.23	8.22	8.23
12	7.34	7.24	7.37	7.63	8.21	8.11	8.42	8.14	8.21	8.23	8.20	8.31
13	7.34	7.24	7.37	7.65	8.18	8.33	8.26	8.09	8.20	8.22	8.18	8.35
14	7.33	7.26	7.38	7.67	8.16	8.32	8.25	8.11	8.20	8.32	8.17	8.27
15	7.33	7.30	7.38	7.68	8.17	8.14	8.36	8.23	8.20	8.30	8.15	8.33
16	7.31	7.31	7.39	7.70	8.22	8.06	8.39	8.30	8.19	8.28	8.13	8.39
17	7.31	7.30	7.38	7.71	8.25	8.01	8.27	8.25	8.17	8.27	8.12	8.43
18	7.30	7.28	7.38	7.72	8.23	8.00	8.17	8.20	8.31	8.26	8.13	8.41
19	7.30	7.28	7.38	7.74	8.21	8.01	8.23	8.17	8.29	8.23	8.13	8.25
20	7.28	7.28	7.38	7.76	8.19	8.09	8.29	8.24	8.20	8.24	8.11	8.17
21	7.28	7.28	7.38	7.80	8.17	8.26	8.29	8.32	8.25	8.24	8.09	8.16
22	7.27	7.28	7.38	7.82	8.15	8.29	8.26	8.36	8.26	8.22	8.08	8.23
23	7.28	7.28	7.38	7.83	8.14	8.14	8.25	8.38	8.28	8.20	8.09	8.29
24	7.28	7.30	7.38	7.86	8.12	8.06	8.24	8.34	8.29	8.19	8.18	8.26
25	7.26	7.25	7.38	7.87	8.11	8.02	8.23	8.28	8.32	8.18	8.23	8.21
26	7.25	7.26	7.38	7.87	8.10	8.05	8.19	8.23	8.33	8.17	8.23	8.24
27	7.24	7.28	7.38	7.88	8.11	8.15	8.21	8.29	8.26	8.19	8.23	8.26
28	7.23	7.32	7.39	7.91	8.12	8.24	8.22	8.34	8.29	8.24	8.23	8.25
29	7.22	7.33	7.39	8.06	---	8.29	8.24	8.35	8.33	8.25	8.24	8.26
30	7.21	7.34	7.40	8.18	---	8.27	8.30	8.31	8.31	8.25	8.23	8.28
31	7.22	---	7.42	8.26	---	8.18	---	8.21	---	8.26	8.22	---
Mean	7.33	7.27	7.37	7.73	8.20	8.17	8.26	8.25	8.27	8.25	8.19	8.26
Max	7.45	7.34	7.42	8.26	8.28	8.33	8.42	8.38	8.44	8.32	8.25	8.43
Min	7.21	7.19	7.33	7.42	8.10	8.00	8.07	8.09	8.17	8.17	8.08	8.16



Stage hydrograph for Wind Lake, 1985-2006.

424915088083900 WIND LAKE AT WIND LAKE, WI

LOCATION.--Lat 42°49'15", long 88°08'39", in NW ¼ SW ¼ sec.9, T.4 N., R.20 E., Racine County, Hydrologic Unit 07120006, at Wind Lake.

PERIOD OF RECORD.--February 1985 to current year.

REMARKS.--Lake sampled near center at the deep hole. Water-quality analyses done by Wisconsin State Laboratory of Hygiene.

WATER-QUALITY DATA, APRIL 5 TO OCTOBER 5, 2006
(Milligrams per liter unless otherwise indicated)

Date	Time	Gage height, feet (00065)	Trans- parency Secchi disc, meters (00078)	Sam- pling depth, meters (00098)	Temper- ature, water, deg C (00010)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Dis- solved oxygen, mg/L (00300)	Chloro- phyll a wat unfltrd method, uncorr, ug/L (32210)	Phos- phorus, water, unfltrd mg/L (00665)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Total nitro- gen, water, unfltrd mg/L (00600)
APR 2006												
05...	0935	--	--	.50	7.3	694	8.1	11.6	6.89	.029	.003	1.6
05...	0950	--	--	15.0	6.9	693	8.0	11.2	--	.034	--	--
05...	0955	8.26	2.00	--	--	--	--	--	--	--	--	--
JUN												
12...	1640	--	--	.50	20.2	710	8.3	9.0	3.46	.028	--	--
12...	1656	--	--	15.5	13.0	745	7.3	.2	--	.190	--	--
12...	1700	8.21	2.83	--	--	--	--	--	--	--	--	--
JUL												
13...	1320	--	--	.50	26.3	700	8.4	9.0	9.54	.080	.003	--
13...	1332	--	--	15.0	13.0	733	7.0	0.0	--	.273	--	--
13...	1335	8.22	1.65	--	--	--	--	--	--	--	--	--
AUG												
23...	1400	--	--	.50	25.7	697	8.6	9.9	6.82	.028	--	--
23...	1406	--	--	6.0	23.2	716	7.9	3.4	--	.017	--	--
23...	1410	--	--	9.0	14.9	751	7.2	.2	--	.035	--	--
23...	1413	--	--	12.0	13.6	760	7.2	.1	--	.158	--	--
23...	1416	--	--	15.0	13.4	766	7.1	.1	--	.251	--	--
23...	1420	8.09	2.15	--	--	--	--	--	--	--	--	--
OCT												
05...	1350	--	--	.50	16.0	680	8.2	9.1	7.58	.026	--	--
05...	1402	--	--	15.0	15.0	682	8.0	7.4	--	.039	--	--
05...	1405	8.14	2.30	--	--	--	--	--	--	--	--	--

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WATER-QUALITY DATA, APRIL 5 TO OCTOBER 5, 2006--CONTINUED
(Milligrams per liter unless otherwise indicated)

Date	Sam- pling depth, meters (00098)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Tur- bidity, NTU (00076)	Appar- ent color, water, unfltrd Pt-Co units (00081)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potas- sium, water, fltrd, mg/L (00935)
APR 2006												
05...	.50	.049	--	1.0	.633	1.9	30	240	48.6	29.5	53.0	3.00
05...	15.0	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
12...	.50	--	--	--	--	--	--	--	--	--	--	--
12...	15.5	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13...	.50	.033	1.4	--	<.019	--	--	--	--	--	--	--
13...	15.0	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
23...	.50	--	--	--	--	--	--	--	--	--	--	--
23...	6.0	--	--	--	--	--	--	--	--	--	--	--
23...	9.0	--	--	--	--	--	--	--	--	--	--	--
23...	12.0	--	--	--	--	--	--	--	--	--	--	--
23...	15.0	--	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
OCT												
05...	.50	--	--	--	--	--	--	--	--	--	--	--
05...	15.0	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--	--

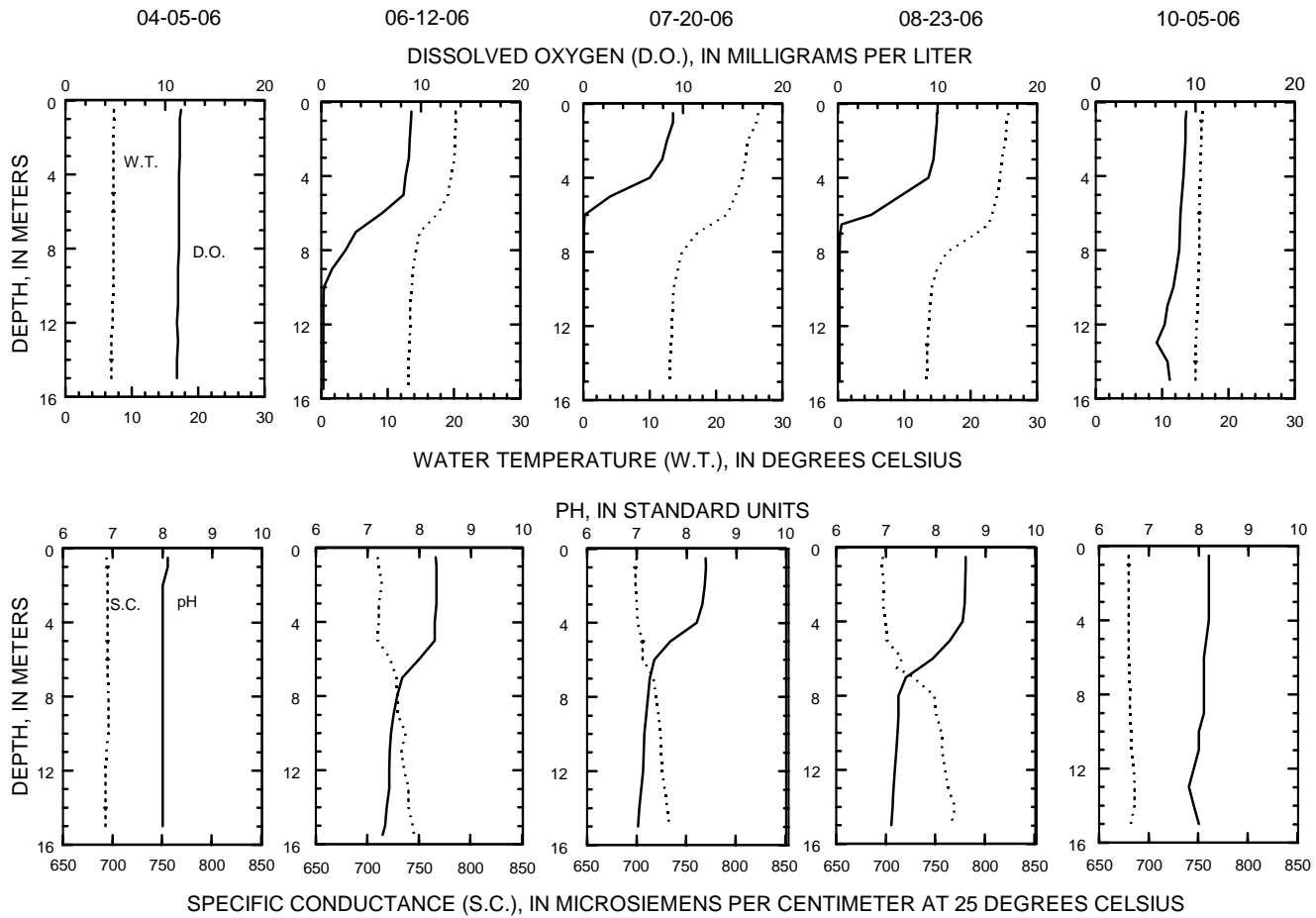
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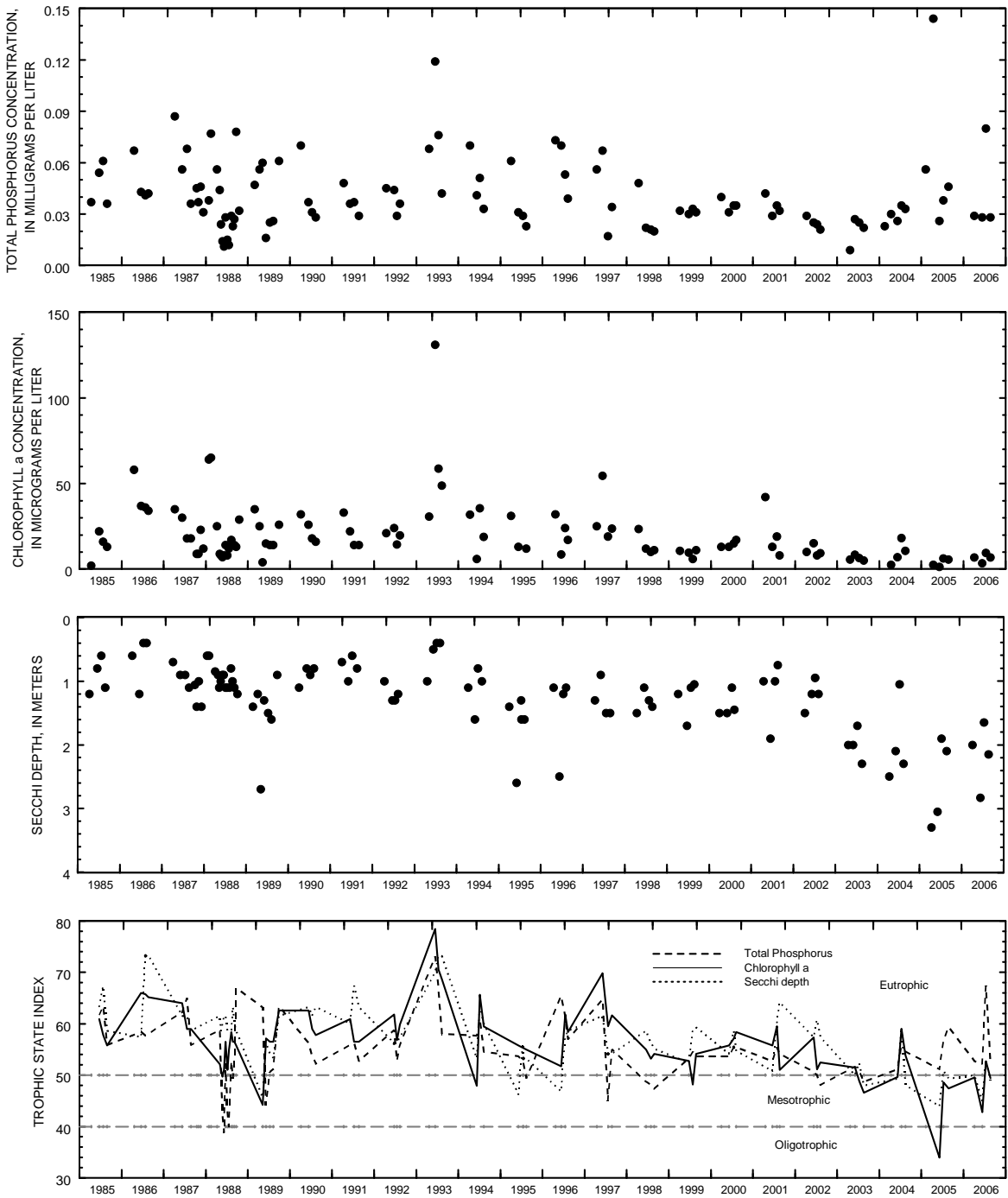
WATER-QUALITY DATA, APRIL 5 TO OCTOBER 5, 2006--CONTINUED
(Milligrams per liter unless otherwise indicated)

Date	Sam- pling depth, meters (00098)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Silica, water, fltrd, mg/L (00955)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)	Residue on evap. at 180degC wat flt mg/L (70300)	Sam- pling method, code (82398)
APR 2006									
05...	.50	148	98.2	56.6	.415	<100	M	452	50
05...	15.0	--	--	--	--	--	--	--	50
05...	--	--	--	--	--	--	--	--	--
JUN									
12...	.50	--	--	--	--	--	--	--	50
12...	15.5	--	--	--	--	--	--	--	50
12...	--	--	--	--	--	--	--	--	--
JUL									
13...	.50	--	--	--	--	--	--	--	50
13...	15.0	--	--	--	--	--	--	--	50
13...	--	--	--	--	--	--	--	--	--
AUG									
23...	.50	--	--	--	--	--	--	--	50
23...	6.0	--	--	--	--	--	--	--	50
23...	9.0	--	--	--	--	--	--	--	50
23...	12.0	--	--	--	--	--	--	--	50
23...	15.0	--	--	--	--	--	--	--	50
23...	--	--	--	--	--	--	--	--	--
OCT									
05...	.50	--	--	--	--	--	--	--	50
05...	15.0	--	--	--	--	--	--	--	50
05...	--	--	--	--	--	--	--	--	--

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LAKE-DEPTH PROFILES, APRIL 5 TO OCTOBER 5, 2006





Surface total phosphorus, chlorophyll a concentrations, Secchi depths, and TSI data for Wind Lake, Deep Hole, at Wind Lake, Wisconsin.