

SAND P

MIDAS #: 3862

Sampling station: 1

Data period: through 2017



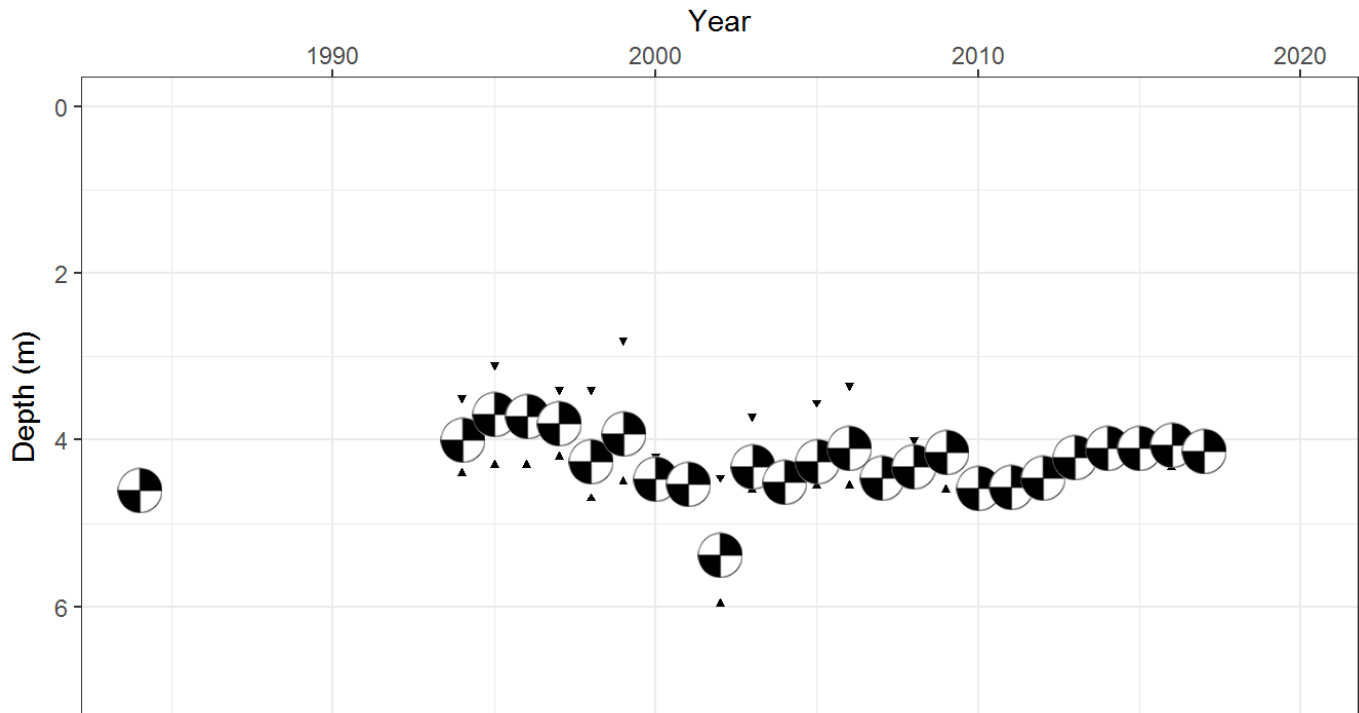
Town	County	Delorme Map #	True Basin	Flushing Rate
SANFORD	YORK	2	1	1.02 flushes/yr

Maximum Depth	Average Depth	Surface Area	Lake Volume	Drainage Area
NA m (NA ft)	NA m (NA ft)	5 ha (12 ac)	360,000 m ³ (292 ac-ft)	0 km ² (0.1 mi ²)

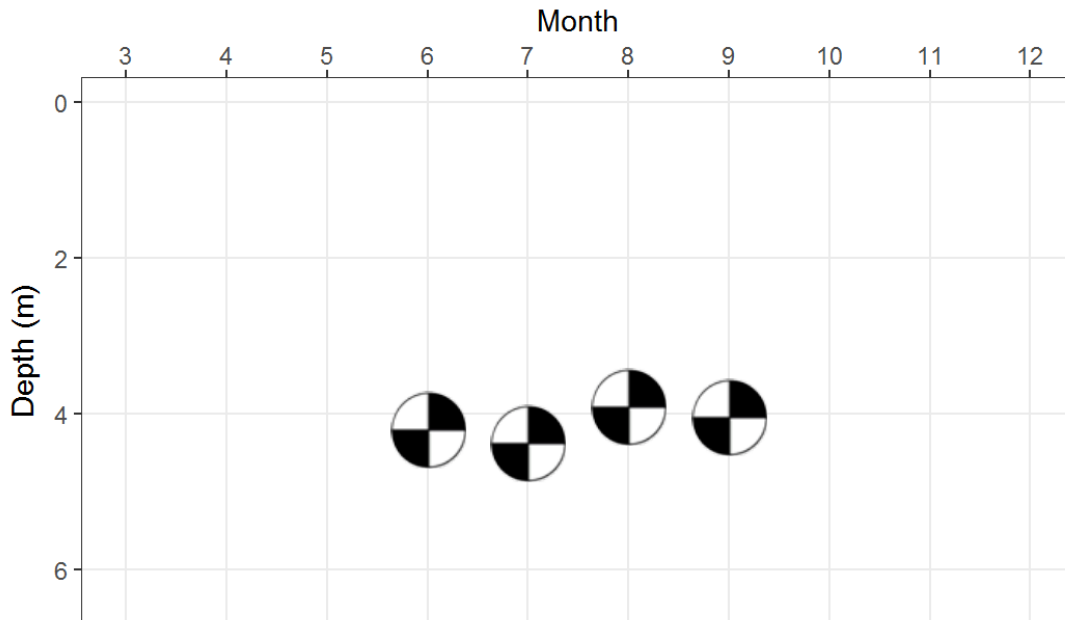
Secchi Disk Transparency Graphs

Graph Legend: Secchi symbols = average Secchi Disk Transparency Values; tick marks = maximum and minimum values for each year.

Yearly Average Secchi Disk Transparency



2017 Average Monthly Secchi Disk Transparency



Water Chemistry and Trophic State Parameters

Table Legend:

Color: Color (SPU), **Alk:** Alkalinity (mg/l CaCO₃), **SpCon:** Specific Conductivity (μ S/cm), **pH:** pH (standard units)

TP = Total Phosphorus ($\mu\text{g/L}$) – **EC**: Epilimnion Core, **SG**: Surface Grab, **BG**: Bottom Grab, **PG**: Profile Grab

SDT = Secchi Disk Transparency (m) – **Min**: minimum value, **Avg**: average value, **Max**: maximum value, **n**: number of months with Secchi readings per year, **b**: number of times Secchi disk was observed touching the bottom of the lake per year

Chl = Chlorophyll-a ($\mu\text{g/L}$) – **Min**: minimum value, **Avg**: average value, **Max**: maximum value

Year	Color	Alk	SpCon	pH	TP- EC	TP- SG	TP- BG	TP- PG	SDT- Min	SDT- Avg	SDT- Max	SDT- n	SDT- b	Chl- Min	Chl- Avg	Chl- Max
1984					8				4.6	4.6	4.6	1	1	4.1	4.1	4.1
1994									3.5	4.0	4.4	4	3			
1995		7.0			7				3.1	3.7	4.3	4	5			
1996		5.5	32		6				3.5	3.7	4.3	5	6	6.0	6.0	6.0
1997		5.5	31		8				3.4	3.8	4.2	5	3	5.7	5.7	5.7
1998		5.0	29		7				3.4	4.2	4.7	7	17	3.6	3.6	3.6
1999									2.8	3.9	4.5	4	9			
2000									4.2	4.5	4.6	5	7			
2001									4.4	4.5	4.6	4	11			
2002									4.4	5.4	6.0	3	6			
2003	9.5	6.0	29		8				3.7	4.3	4.6	2	5	4.3	4.3	4.3
2004									4.5	4.5	4.5	1	1			
2005									3.5	4.2	4.5	4	5			
2006									3.4	4.1	4.5	3	5			
2007	15.0	4.2	38	6.7	10				4.3	4.4	4.6	3	7	4.2	4.2	4.2
2008									4.0	4.3	4.5	3	2			
2009									4.0	4.1	4.6	4	2			
2010									4.5	4.6	4.7	5	6			
2011									4.5	4.6	4.6	4	5			
2012	14.0	4.5	36	6.9		5			4.4	4.4	4.6	4	6			
2013									4.2	4.2	4.2	3	4			

2014	4.0	4.1	4.2	3	4
2015	4.0	4.1	4.2	4	4
2016	3.8	4.1	4.3	5	5
2017	3.9	4.1	4.4	4	5

Lake Chemistry and Trophic Summary Data - Overall Summary Values:

Avg Color	Avg Alk	Avg SpCon	pH	Avg TP-EC	Avg TP-SG	Avg TP-BG	Avg TP-PG	SDT-Min	SDT-Avg	SDT-Max	SDT-n	Chl-Min	Chl-Avg	Chl-Max
13	5.4	32	6.8	7.7	5			2.8	4.3	6	3.8	3.6	4.7	6

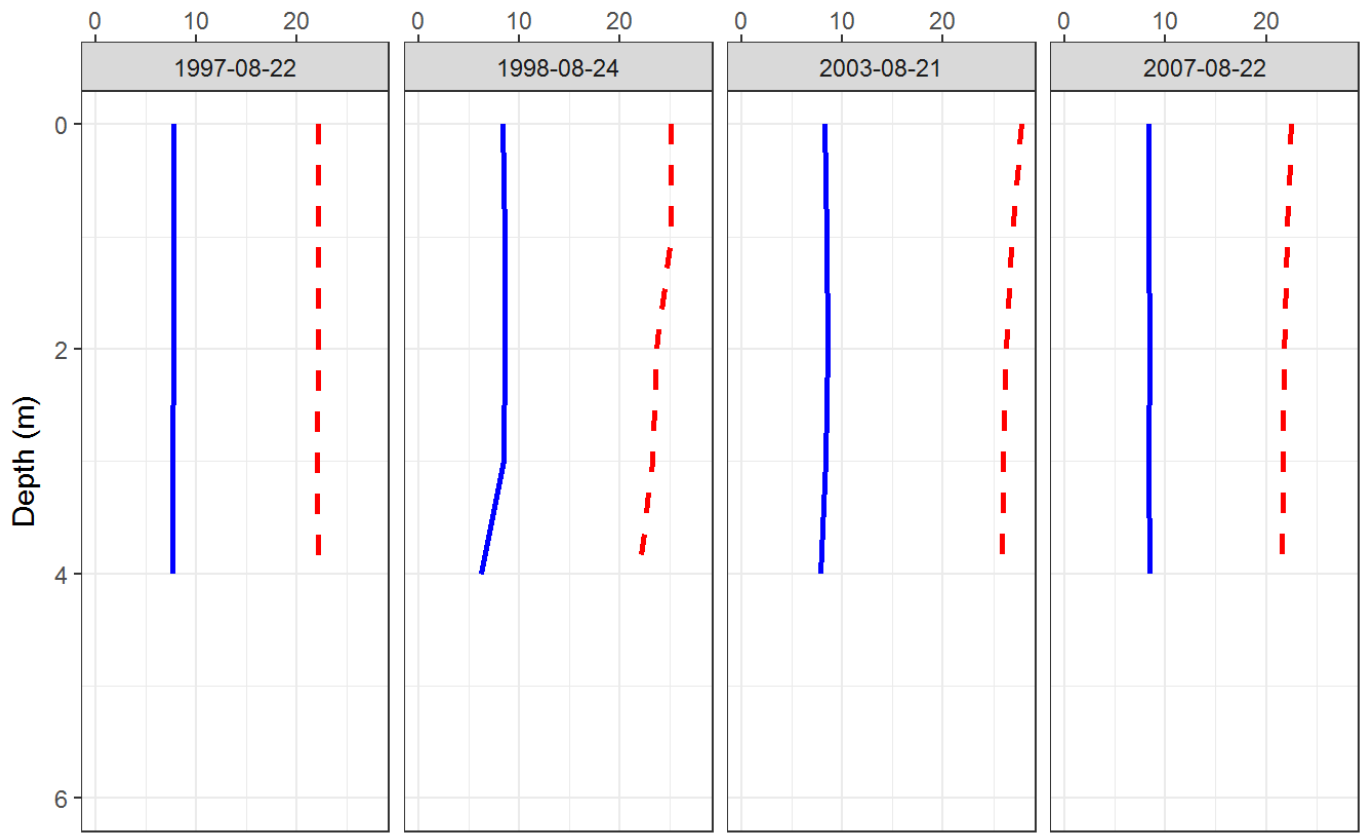
Most recent late summer temperature and dissolved oxygen profiles

Units: Temperature (TEMP) = °C; Dissolved Oxygen (DO) = mg/L

Depth (m)	1984-09-12		1995-08-10		1996-08-29		1997-08-22		1998-08-24		2003-08-21		2007-08-22	
	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO	TEMP	DO
0	20	8.6	27	7.8	25	8.2	22	7.8	25	8.4	28	8.3	22	8.3
1	20	8.6	27	7.9	24	8.3	22	7.8	25	8.6	27	8.5	22	8.3
2	20	8.6	26	7.8	24	8.3	22	7.8	24	8.6	26	8.6	22	8.4
3	20	8.6	26	7.7	24	8.3	22	7.7	23	8.5	26	8.4	22	8.3
4	20	8.5	26	7.5	24	8.3	22	7.7	22	6.2	26	7.8	22	8.4

Recent temperature and dissolved oxygen profile plots

Temperature (°C), Dissolved Oxygen (mg/L)



Legend — Dissolved Oxygen - - - Temperature