

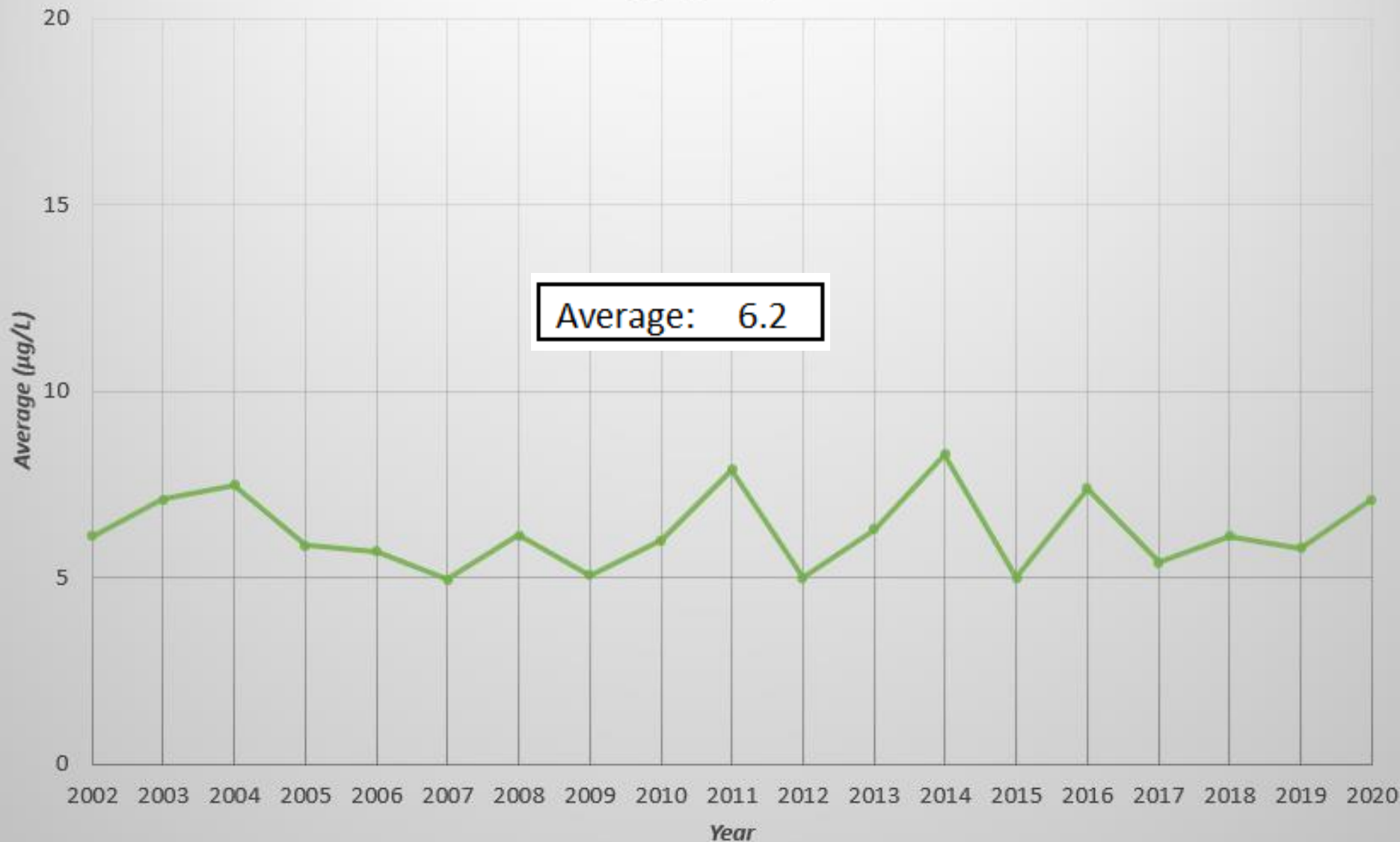
WATER
TESTING
RESULTS
2021

Big Cedar Lake

Total Phosphorus

Year	Average ($\mu\text{g/L}$)
2002	6.1
2003	7.1
2004	7.47
2005	5.85
2006	5.7
2007	4.95
2008	6.13
2009	5.07
2010	6
2011	7.9
2012	5
2013	6.3
2014	8.3
2015	5
2016	7.4
2017	5.4
2018	6.1
2019	5.8
2020	7.1

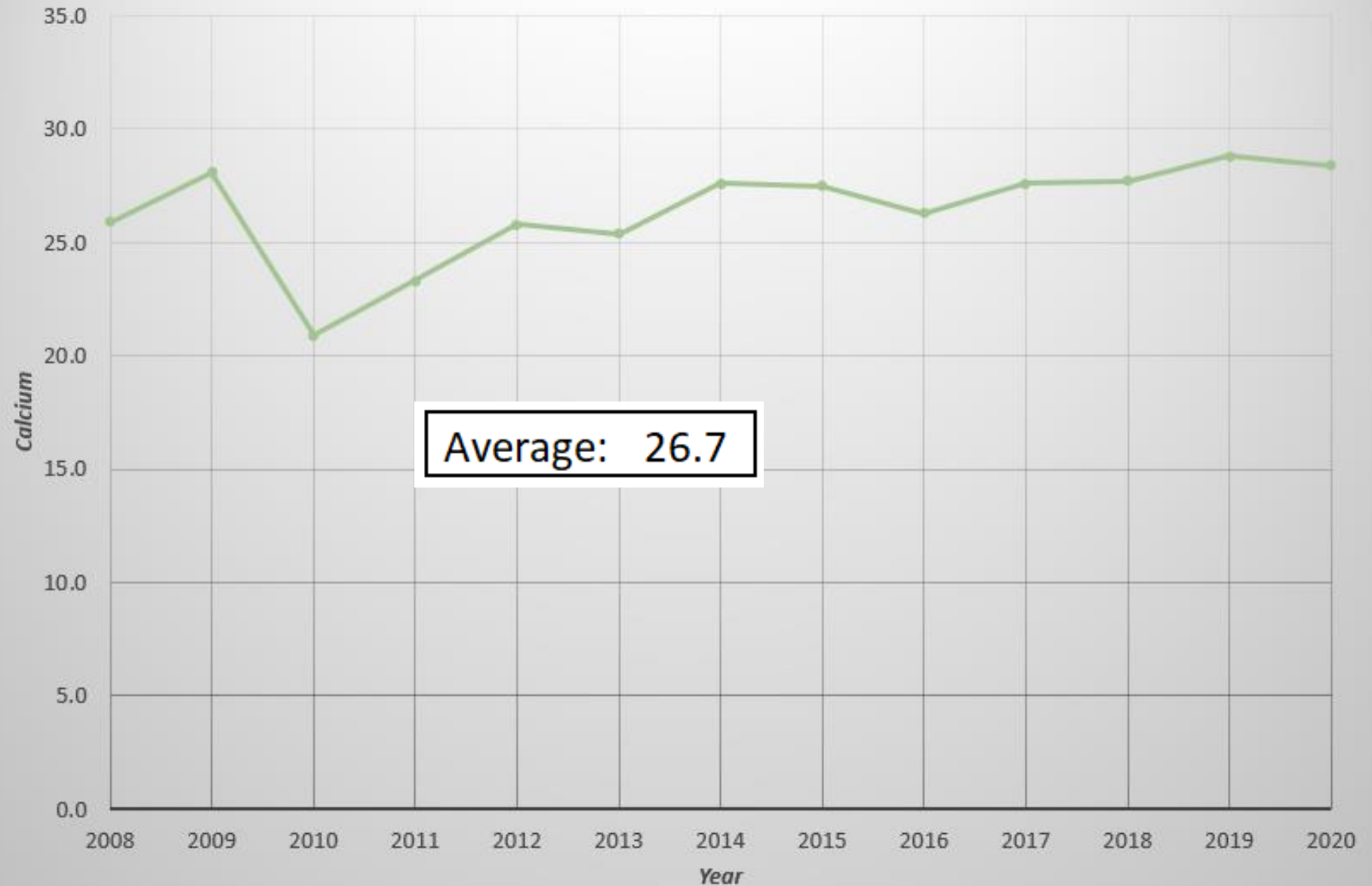
Average Total Phosphorus (TP) Concentration ($\mu\text{g/L}$)



Calcium Concentration

Year	Calcium (mg/L)
2008	25.9
2009	28.1
2010	20.9
2011	23.3
2012	25.8
2013	25.4
2014	27.6
2015	27.5
2016	26.3
2017	27.6
2018	27.7
2019	28.8
2020	28.4

Calcium Concentration



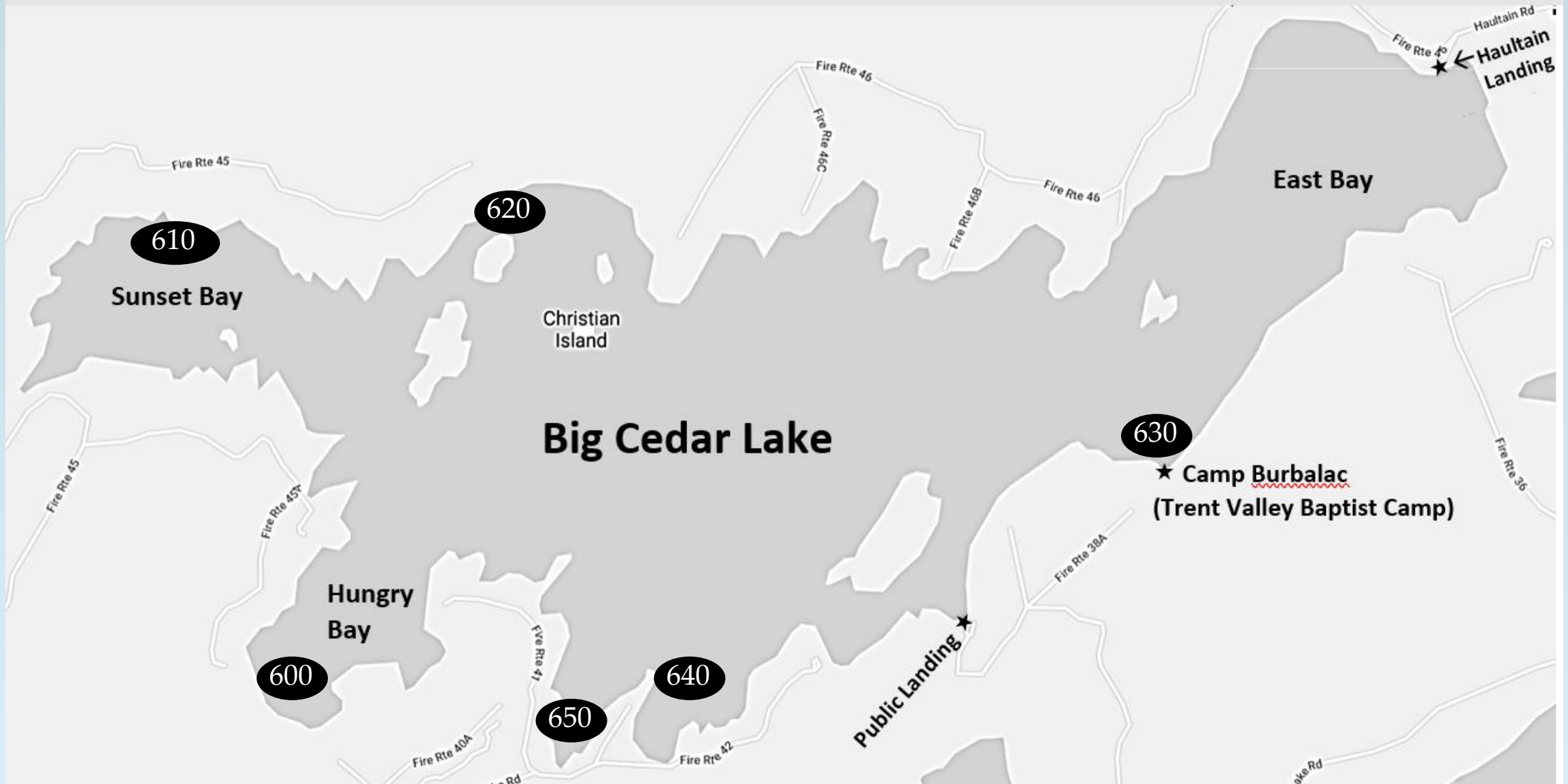
Water Transparency

Year	Average Depth (m)
2000	4.03
2001	4.51
2002	4.3
2003	4.28
2004	4.06
2005	4.38
2006	4.6
2007	5.11
2008	5.69
2009	6.02
2010	5.16
2011	5.19
2012	6.15
2013	5.65
2014	5.53
2015	5.45
2016	6.09
2017	6.38
2018	6.54
2019	4.85
2020	5.63
2021	5.70

Water Transparency (Secchi Depth in meters)



e-Coli Testing sites



eColi Testing – Results (cfu/100ml)

Sample Site	08-Aug-17	03-Jul-18	25-Jul-18	05-Aug-18	10-Aug-18	26-Aug-18	03-Jul-19	26-Jul-19	29-Jul-19	07-Aug-19	12-Aug-19	02-Sep-19	03-Jul-20	17-Jul-20	29-Jul-20	04-Aug-20	18-Aug-20	08-Sep-20	05-Jul-21	19-Jul-21	27-Jul-21	03-Aug-21	16-Aug-21	07-Sep-21
#600 – Base of Hungry Bay (near shore)	2	0	2	0	1		2			1		0	12	6	0	3	7	5	4	4	7	4	7	2
#610 – Inlet in Sunset Bay	0	0	0	0	0		0			0		0	1	0	0	1	1	1	4	4	0	0	0	0
#620 – Inlet behind McGill Island	1	0	7	0	3		1			1		6	0	4	3	1	8	1	0	3	9	1	1	1
#630 – In front of camp, east end of lake	0	0	2	0	0		0			1		1	0	1	1	0	0	0	3	2	0	2	1	0
#640 – Cole's Bay (prev reported by KLSA)	0	0	0	0	1	1	11	0	2	2	1	1	3	4	4	3	1	0	1	0	2	8	0	0
#650 – Base of Bolton's Bay (near shore)	1	1	2	0	0		0			2		1	0	0	8	7	2	2	7	1	2	4	10	4

* KLSA considers counts over 50 cfu/100mL as “high” for Kawartha Lakes and triggers retesting. Counts 20 and below (with occasional between 20-50) are normal for Kawartha Lakes. The safe swimming level (at which public beaches are posted) is 100 cfu/100mL. Count of zero for drinking water.

Trent Advanced Water Nutrient Analysis

	Sp Con					pH					Secchi				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Big Cedar Lake	188	189	199	199	189	8.23	8.19	8.42	7.47	7.47	4.64	5.5	3.88	6	5.5

Surrounding Lakes (NORKLA)

Min	34.9	34.2	34.2	32.3	12.8	7.07	7.07	6.35	6.25	6.81	2.71	1.5	2.13	4.5	2.5
Max	188	222	205	199	223	8.23	8.42	8.42	7.77	8.48	4.64	5.63	5.4	6.5	6.75

	CHL					PP					TP				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Big Cedar Lake	2.98	3.75	3.13	1.34	2.65	1.76	4.55	5.48	3.24	2.69	6.33	3.21	5.81	11.2	5.64

Surrounding Lakes (NORKLA)

Min	2.8	1.34	1.07	0.88	1.56	2.42	2.30	1.11	2.15	0.77	5.15	2.4	1.38	4.6	2.05
Max	5.19	10.3	6.1	5.06	9.11	5.85	10	10	5.44	5.75	9.26	9.78	5.81	15.1	15.1

Trent Advanced Water Nutrient Analysis

Legend of Measures:	Units:	Better high (↑) or low (↓)?
Sp Con - Specific Conductivity	uS/m	
DO - Dissolved Oxygen	mg/L	↑
Temp -Temperature	Celsius	
pH - Acidity/Alkalinity	pH scale	↑ to 9
TSS - Total Suspended solids	mg/L	
CHL - Chlorophyll	ug/L	
Secchi - Clarity	m	
SRP - Soluble Reactive Phosphorus	ug/L	↓
PP - Particulate Phosphorus	ug/L	↓
TP - Total Phosphorus	ug/L	↓

- NORKLA Lakes:**
- Anstruther
 - Big Cedar
 - Chandos
 - Coon
 - Eel
 - Jacks
 - Long
 - Looncall
 - Loucks
 - Upper Stoney
 - Wolf

Nearshore Lake Water Temperatures (Big Cedar Lake, hourly, 2020 and 2021)

