

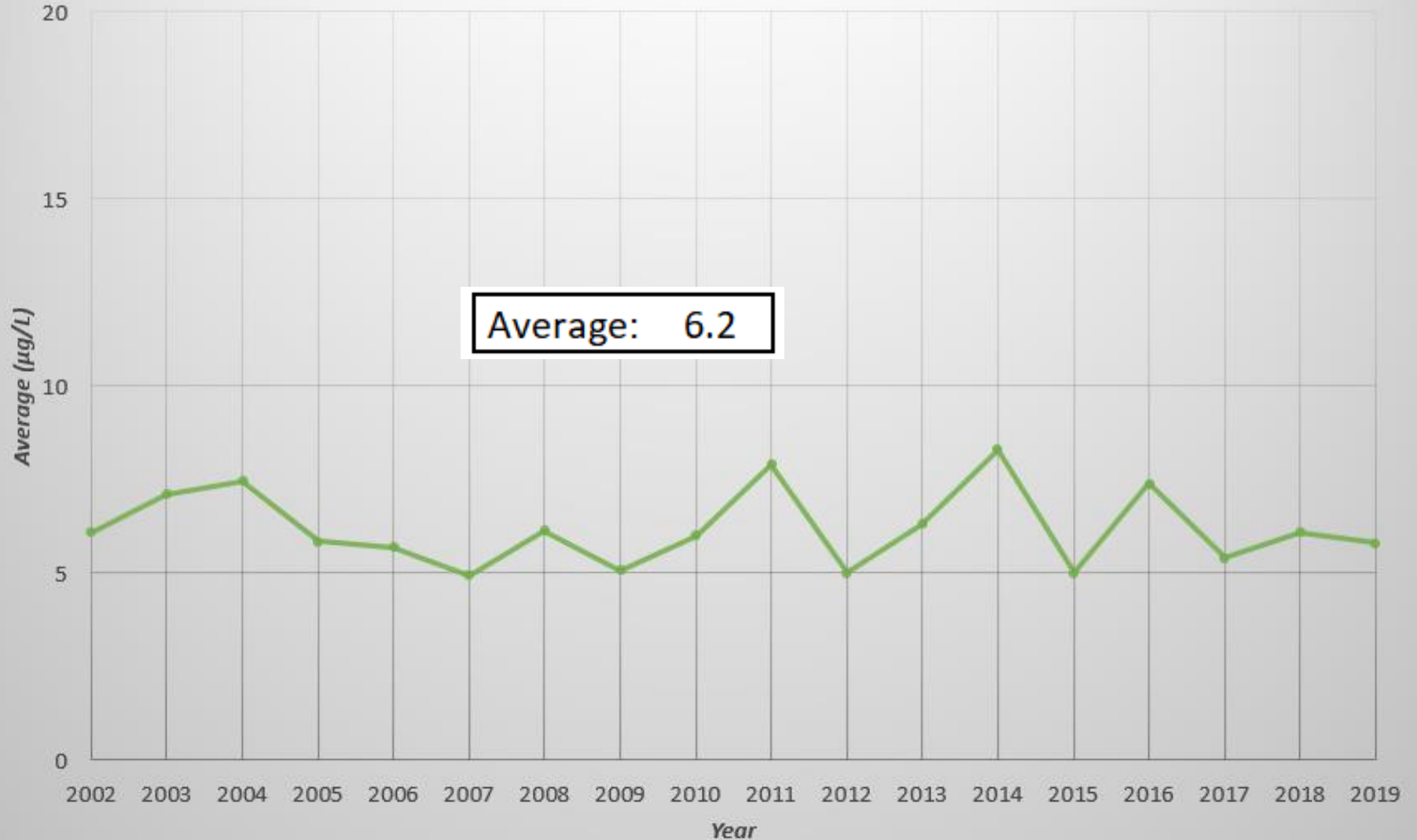
WATER
TESTING
RESULTS
2020

Big Cedar
Lake

Total Phosphorus

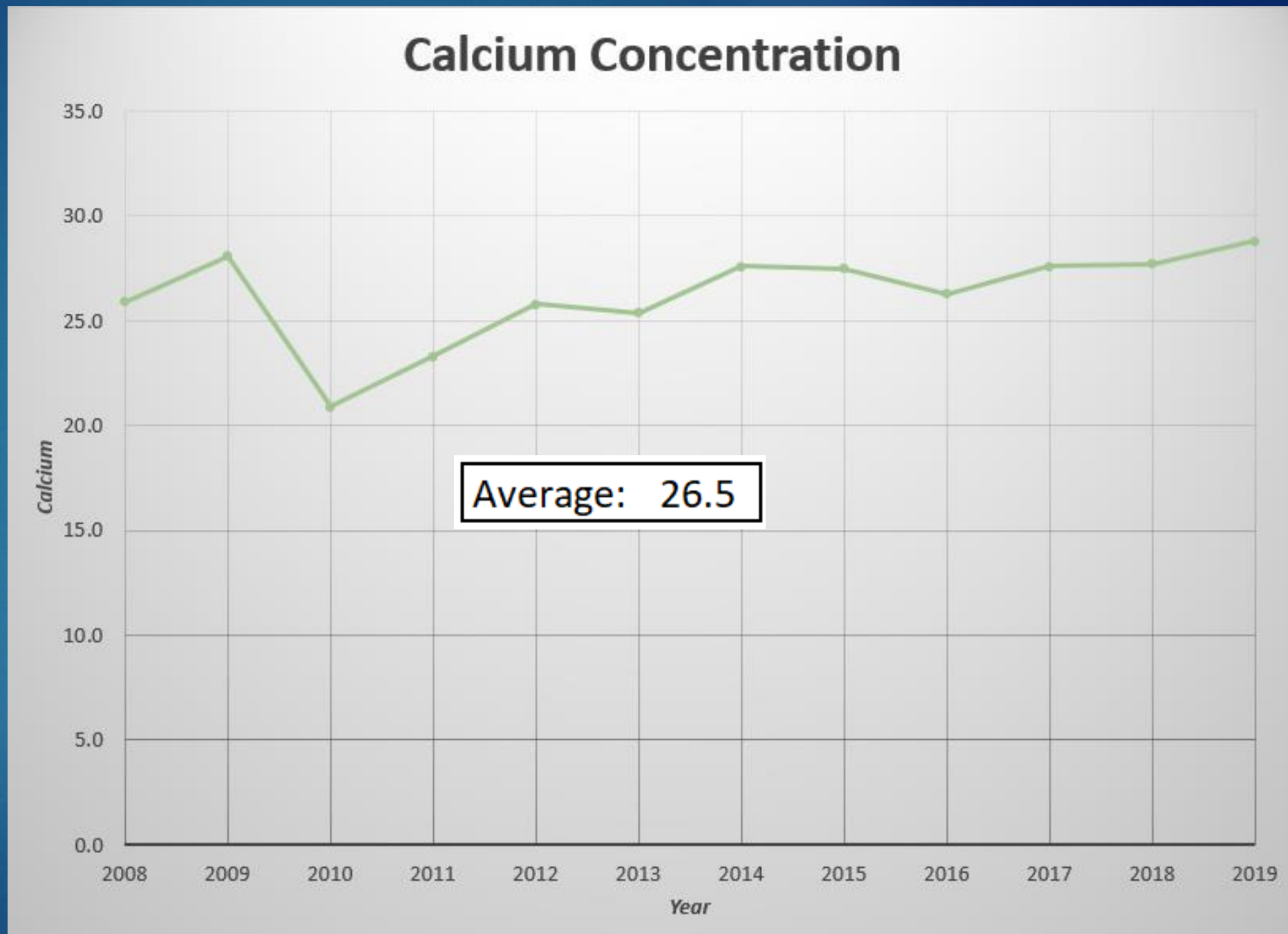
Year	Average ($\mu\text{g/L}$)
2002	6.1
2003	7.1
2004	7.47
2005	5.85
2006	5.7
2007	4.95
2008	6.13
2009	5.07
2010	6
2011	7.9
2012	5
2013	6.3
2014	8.3
2015	5
2016	7.4
2017	5.4
2018	6.1
2019	5.8

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



Calcium Concentration

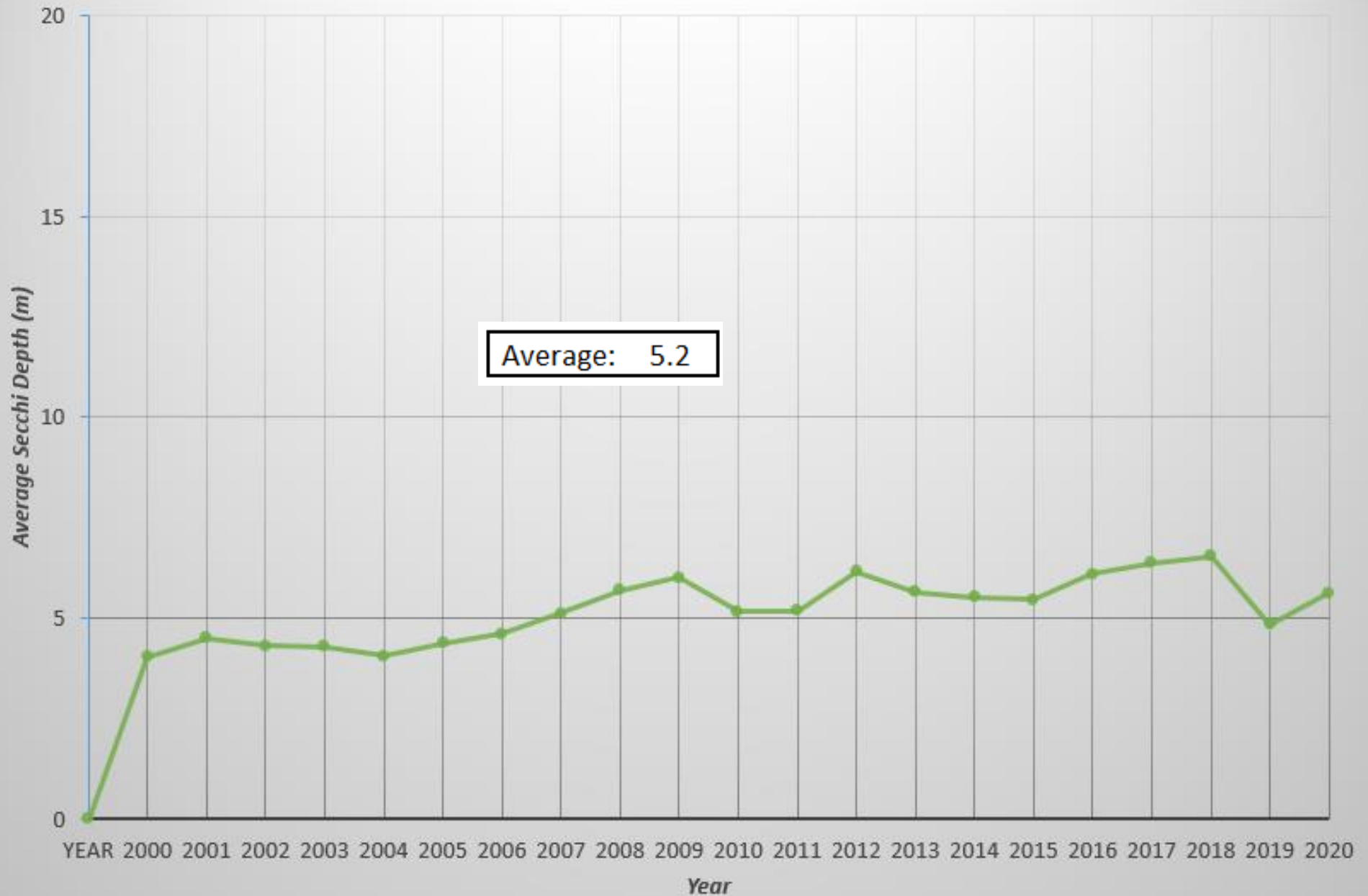
Year	Calcium (mg/L)
2008	25.9
2009	28.1
2010	20.9
2011	23.3
2012	25.8
2013	25.4
2014	27.6
2015	27.5
2016	26.3
2017	27.6
2018	27.7
2019	28.8



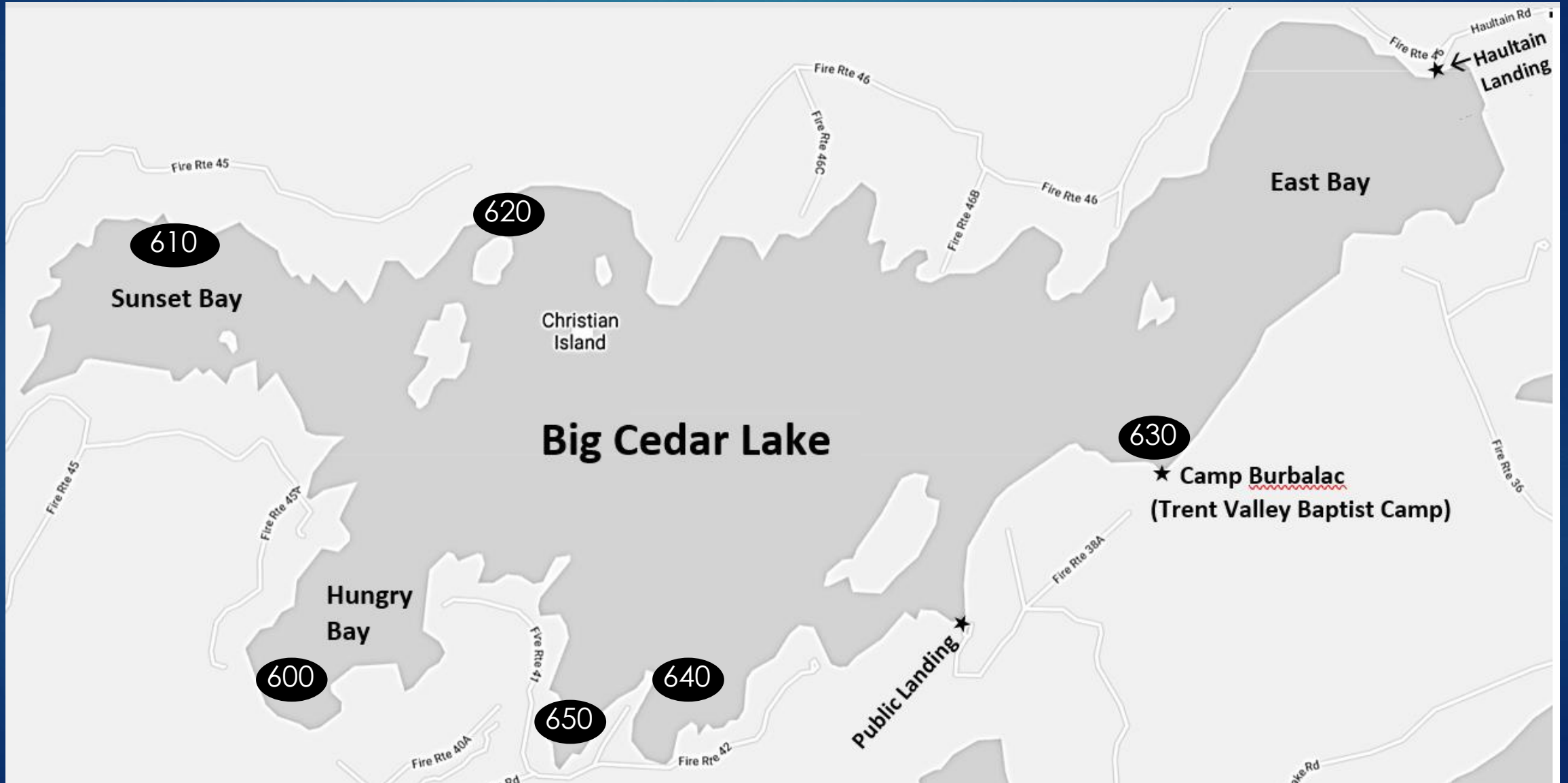
Water Transparency

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

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
#600 – Base of Hungry Bay (near shore)	2	0	2	0	1	2			1		0	12	6	0	3	7	5	
#610 – Inlet in Sunset Bay	0	0	0	0	0	0			0		0	1	0	0	1	1	1	
#620 – Inlet behind McGill Island	1	0	7	0	3	1			1		6	0	4	3	1	8	1	
## – Near Clam Bay			0	0	0													
## – At eastern end of lake, north shore			1	0	1													
#630 – In front of camp, east end of lake	0	0	2	0	0	0			1		1	0	1	1	0	0	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
#650 – Base of Bolton's Bay (near shore)	1	1	2	0	0	0			2		1	0	0	8	7	2	2	

* 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				DO				pH				TSS			
	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
Big Cedar Lake	188	189	199	199	9.64	9.06	9.7	8.04	8.23	8.19	8.42	7.47	0.85	0.57	0.47	2.55

Surrounding Lakes (NORKLA)

Min	34.9	34.2	34.2	32.3	8.46	8.45			7.07	7.07	6.35	6.25	0.6	0.3	0.47	0.5
Max	188	222	205	199	9.68	9.88			8.23	8.42	8.42	7.77	2.02	1.24	1.32	5.32

	CHL				Secchi				PP				TP			
	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
Big Cedar Lake	2.98	3.75	3.13	1.34	4.64	5.5	3.88	6	1.76	4.55	5.48	3.24	6.33	3.21	5.81	11.2

Surrounding Lakes (NORKLA)

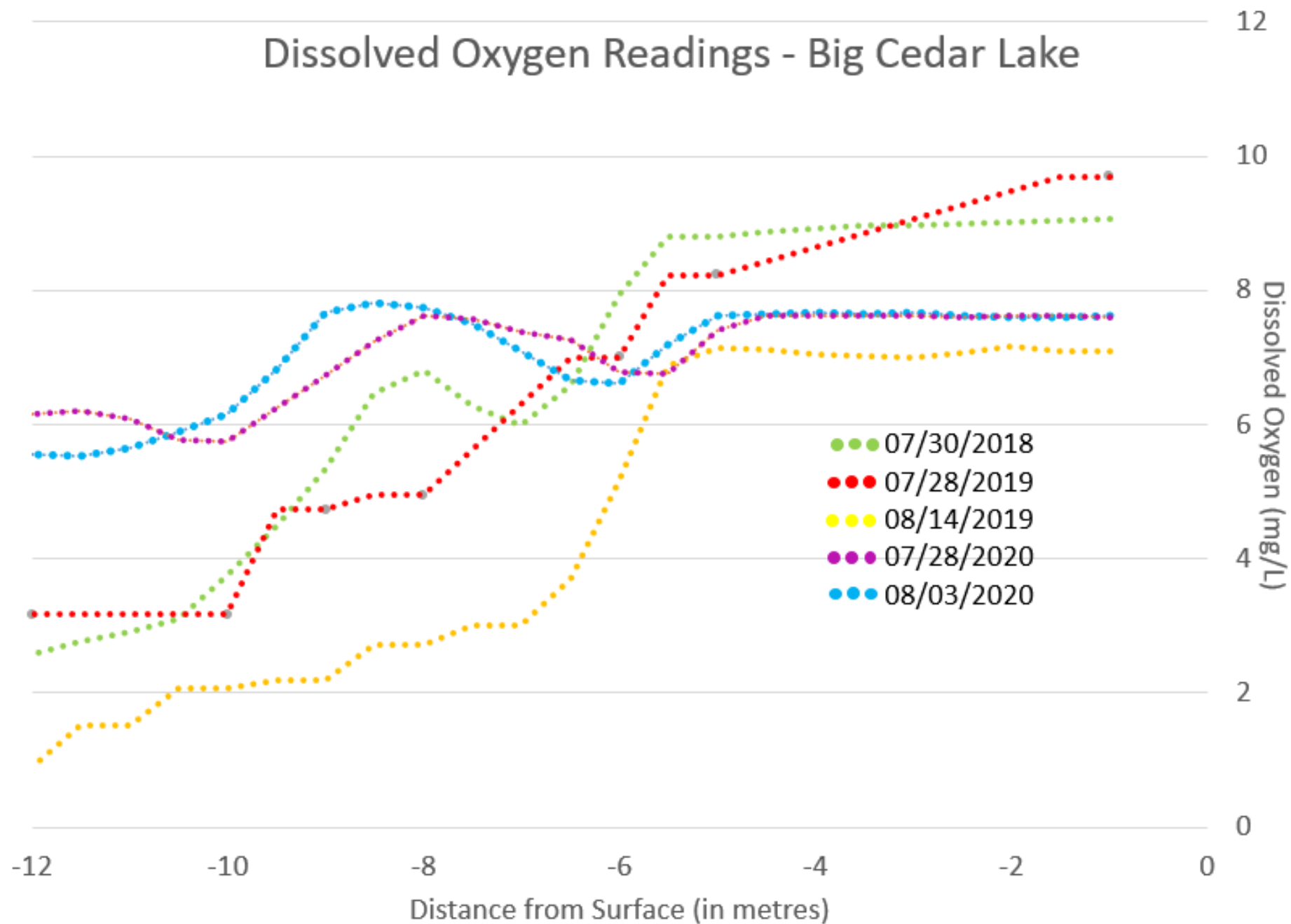
Min	2.8	1.34	1.07	0.88	2.71	1.5	2.13	4.5	2.42	2.30	1.11	2.15	5.15	2.4	1.38	4.6
Max	5.19	10.3	6.1	5.06	4.64	5.63	5.4	6.5	5.85	10	10	5.44	9.26	9.78	5.81	15.1

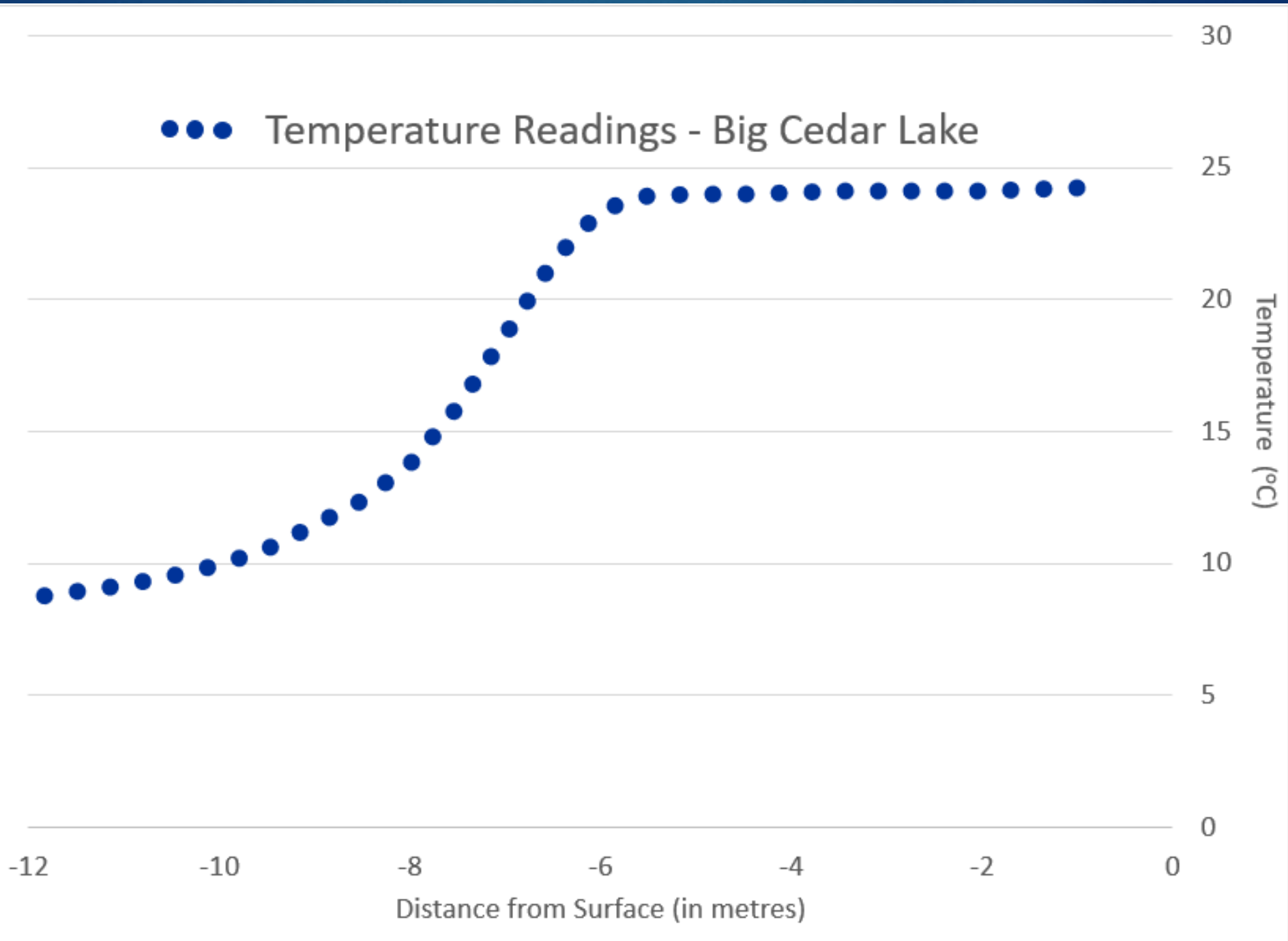
Trent Advanced Water Nutrient Analysis

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

Dissolved Oxygen Readings - Big Cedar Lake





Dissolved Oxygen Readings - Big Cedar Lake

●●● Temperature Readings - Big Cedar Lake

