

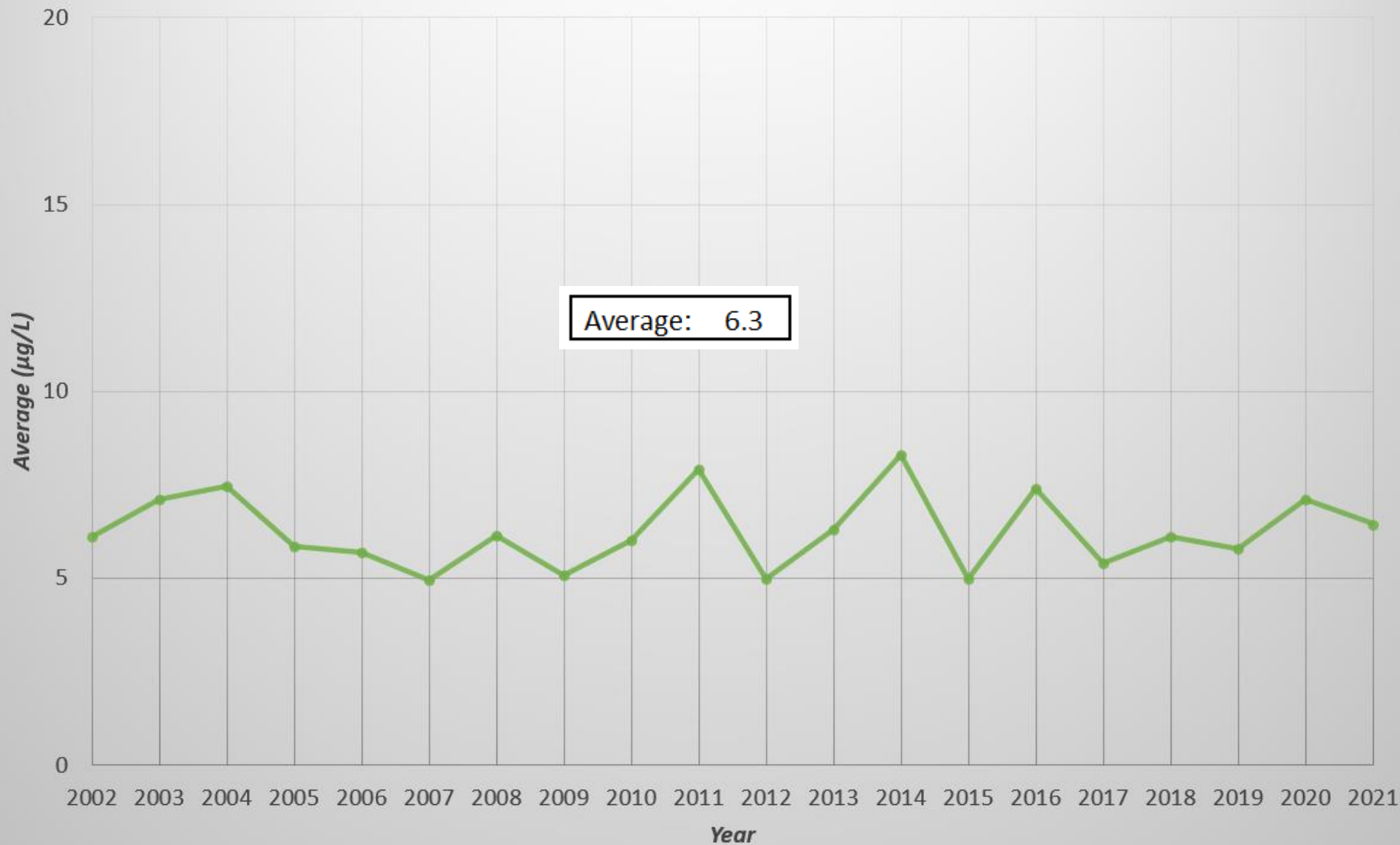
WATER
TESTING
RESULTS
2022

Big Cedar Lake

Total Phosphorus

Year	Average (µg/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
2021	6.45

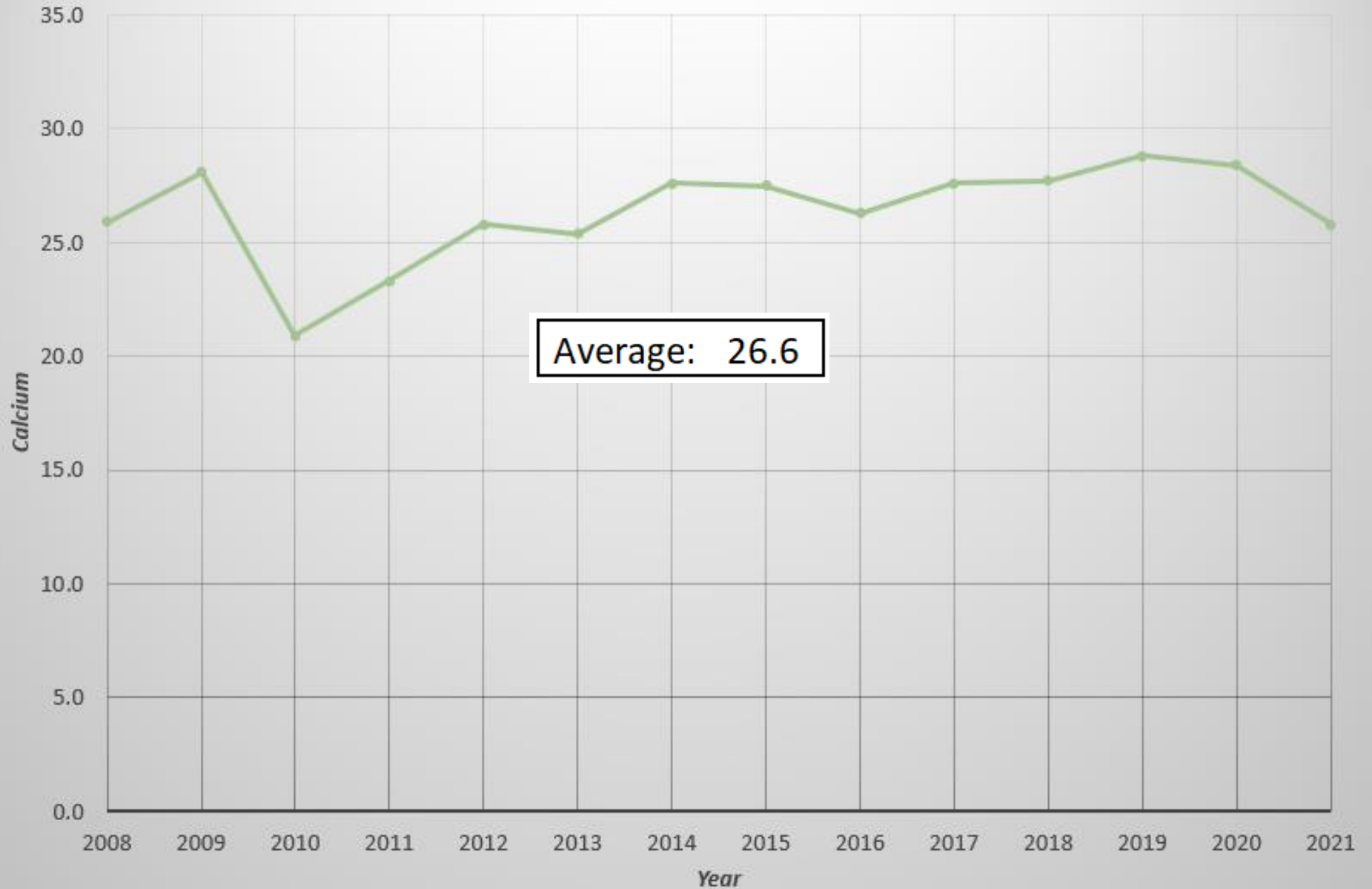
Average Total Phosphorus (TP) Concentration (µg/L)



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
2021	25.8

Calcium Concentration



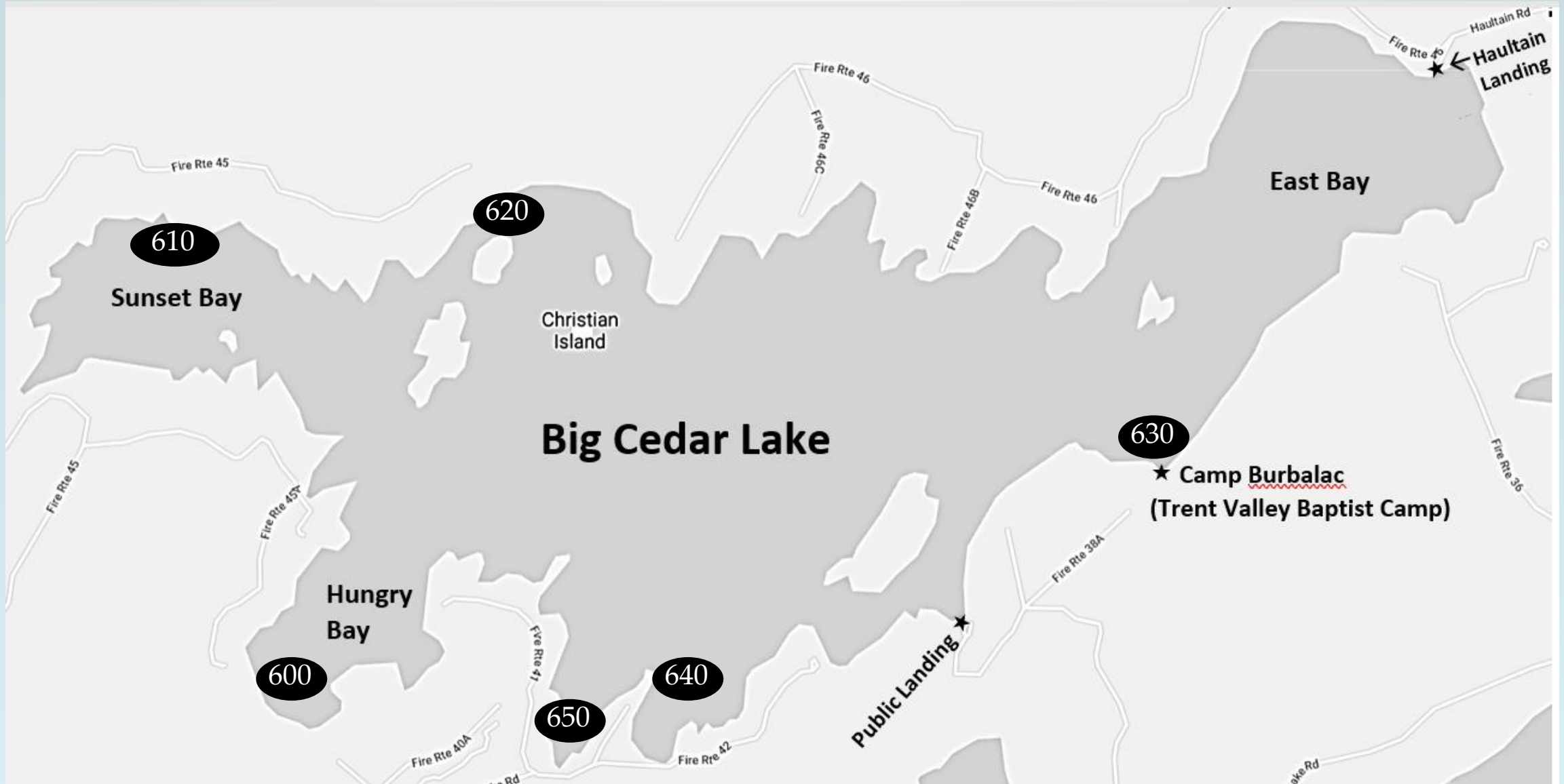
Water Transparency

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



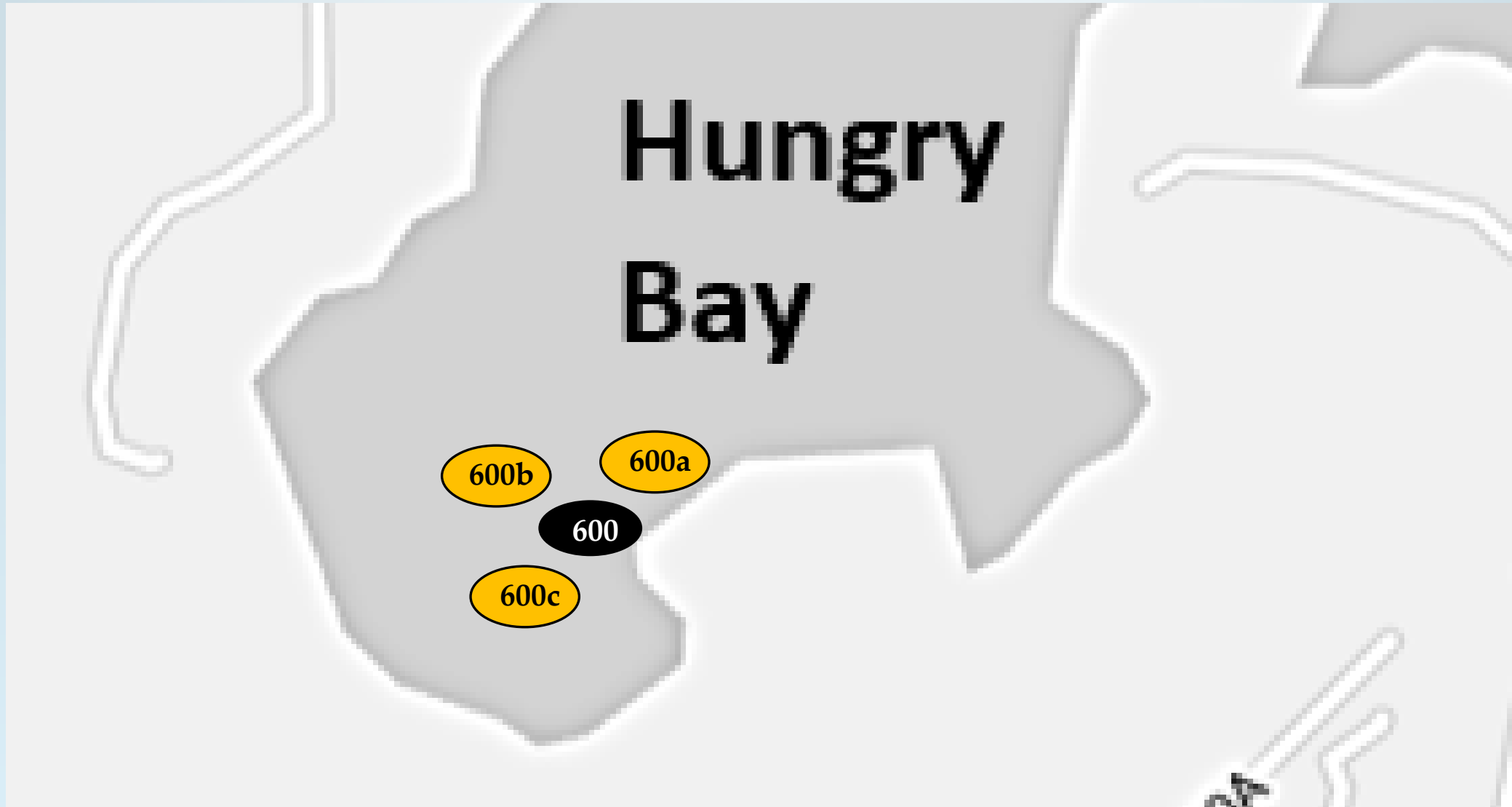
eColi Testing – Results (cfu/100ml)

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	04-Jul-22	25-Jul-22	02-Aug-22	15-Aug-22	07-Sep-22
#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	4	60	301	1	
#600a - Base of Hungry Bay (near 600)																												1	
#600b - Base of Hungry Bay (near 600 in bay)																												3	
#600c - Base of Hungry Bay (near 600)																												12	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	0	4	0	4	1
#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	3	13	4	3	10
#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	21	2	5	2	2
#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	0	39	5	3	4
#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	4	173	5	7	1

* 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.

25-Jul-22 was after heavy rain that fell the day before, so high counts could be from run-off. Second high reading in Hungry Bay warranted additional testing in the next test period, so 3 additional tests were taken in that location.

e-Coli Testing sites – additional testing sites



Trent Advanced Water Nutrient Analysis

	Sp Con						pH						Secchi					
	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022
Big Cedar Lake	188	189	199	199	189	194	8.23	8.19	8.42	7.47	7.47	8.23	4.64	5.5	3.88	6	5.5	5.5

Surrounding Lakes (NORKLA)

Min	34.9	34.2	34.2	32.3	12.8	13.6	7.07	7.07	6.35	6.25	6.81	6.37	2.71	1.5	2.13	4.5	2.5	2.5
Max	188	222	205	199	223	206	8.23	8.42	8.42	7.77	8.48	8.28	4.64	5.63	5.4	6.5	6.75	9.5

	CHL						PP						TP					
	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022	2017	2018	2019	2020	2021	2022
Big Cedar Lake	2.98	3.75	3.13	1.34	2.65	6.03	1.76	4.55	5.48	3.24	2.69	3.97	6.33	3.21	5.81	11.16	5.64	4.29

Surrounding Lakes (NORKLA)

Min	2.8	1.34	1.07	0.88	1.56	2.01	2.42	2.30	1.11	2.15	0.77	1.69	5.15	2.4	1.38	4.6	2.05	2.51
Max	5.19	10.3	6.1	5.06	9.11	12.3	5.85	10	10	5.44	5.75	5.46	9.26	9.78	5.81	15.07	15.1	11.4

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