



2023 RLCA

Annual General Meeting

July 8, 2023

AGENDA

- Welcome & Introductions
- Malcolm Cockwell - Haliburton Forest Update
- Keynote Speaker - Robert Pye – Watersheds Canada
- Water Testing on RLCA Lakes – Results and Future Plans - Jess Kidd
- Internet and Cellular
 - Bryan Bomholt – Rogers
 - Andrew McGrath- Update on Bell and Starlink
- Coffee Break
- Membership Report – Donna Luger
- Finance Report – Donna Luger

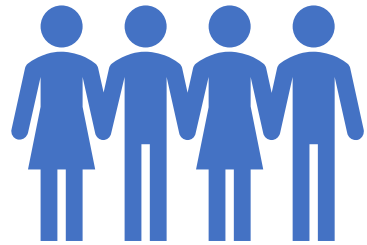
Motion #1

I move to approve the RLCA 2023 AGM Agenda,
as presented at the AGM on July 8, 2023

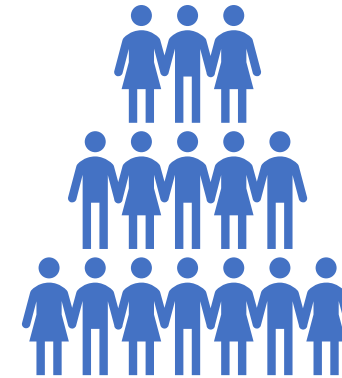
Seconded by...

Vote by Show of Index Cards...

Introductions



Executive Team



Our Volunteers

Executive Team

Paula Miller– President

Tim Hockley – Vice-President

Steve Harris - Secretary

Donna Luger – Membership and Treasurer

Laurie Kerr – Communications and member-at-large

Our Lead Volunteers

Jessica Kidd – Lake Steward

Gerry Oxford - Healthy Shorelines

Ed Payne – Private Buoy Program

Laurie Kerr – Social Media

Tim Hockley – Website and eblasts

The Past Year

- Sponsorships
- Buoy Program
- Lake Partner Program
- Water Quality Monitoring
- Shoreline Naturalization
- Education
- Compliance

Malcolm Cockwell
Haliburton Forest

Robert Pye
Watersheds Canada

Jess Kidd

M.Sc. P. Biol, RP Biol

Redstone Lake Cottagers' Association's Lake Health Monitoring & Research



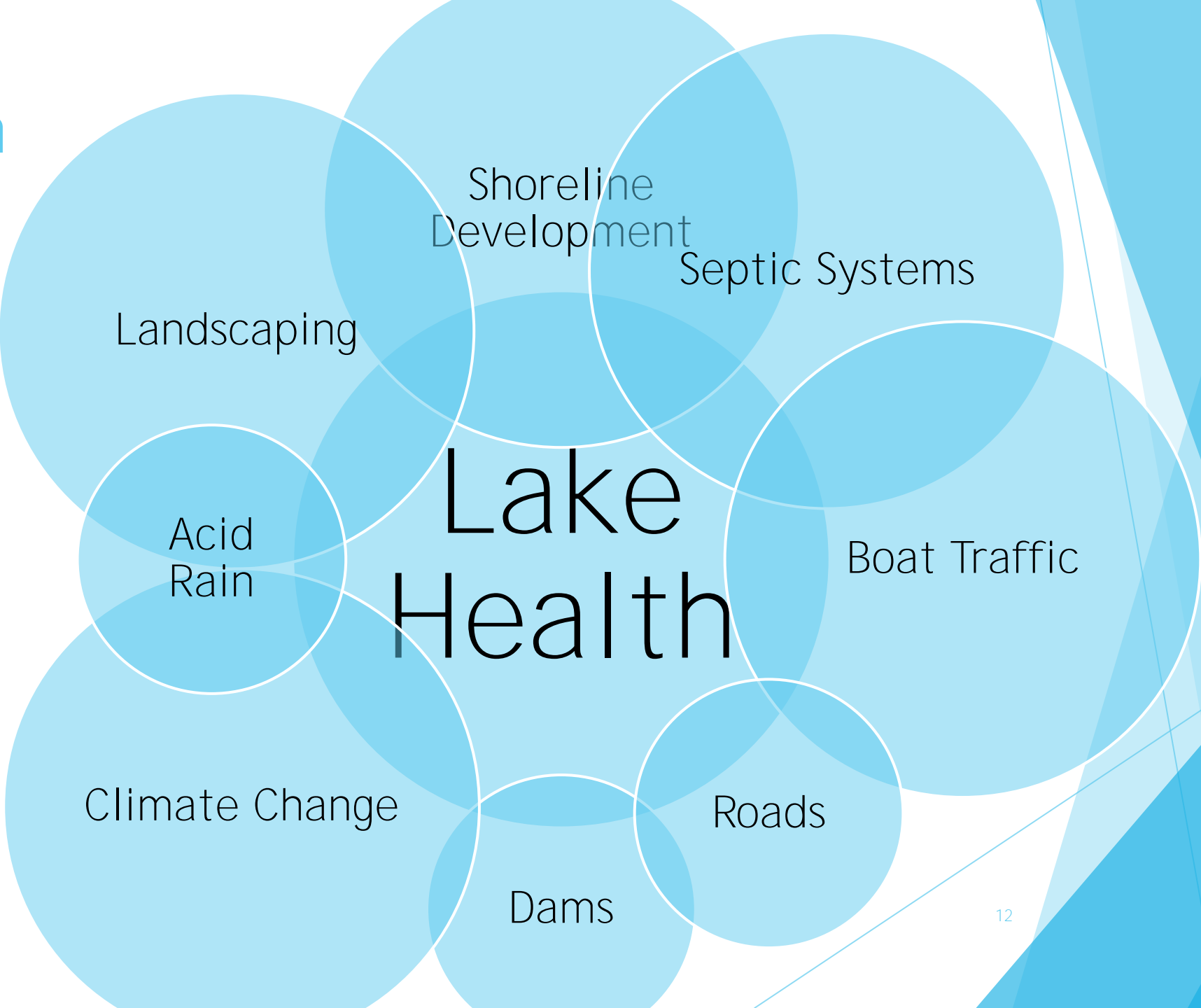
Jess Kidd, M.Sc.

Lake Steward - Redstone Lake Cottagers Association

Aquatic Ecologist - Anglerfish Aquatic Science

PhD Student - Water Institute, University of Waterloo

Threats to Haliburton Lakes

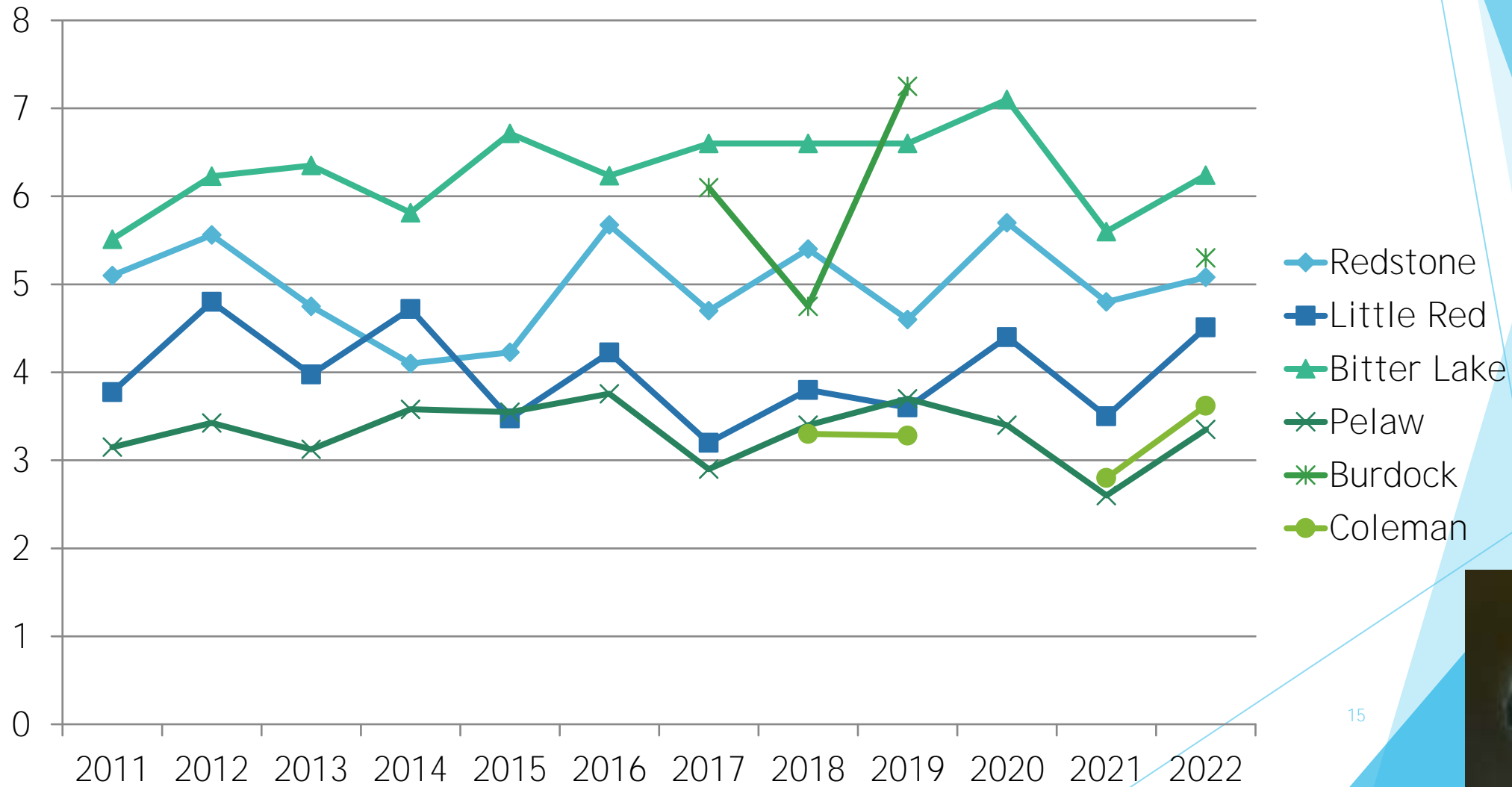




What do we know about the health of **RLCA's** lakes?



Secchi Disk Depth (m)

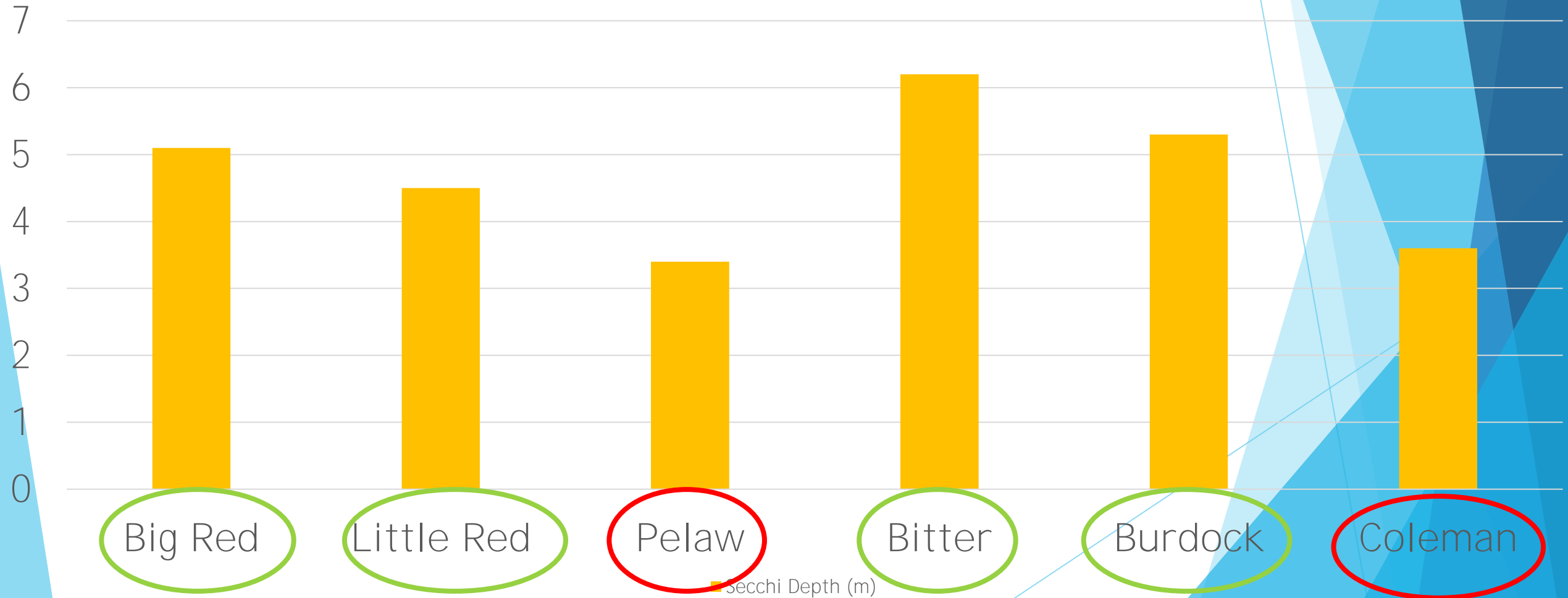


Secchi Depth

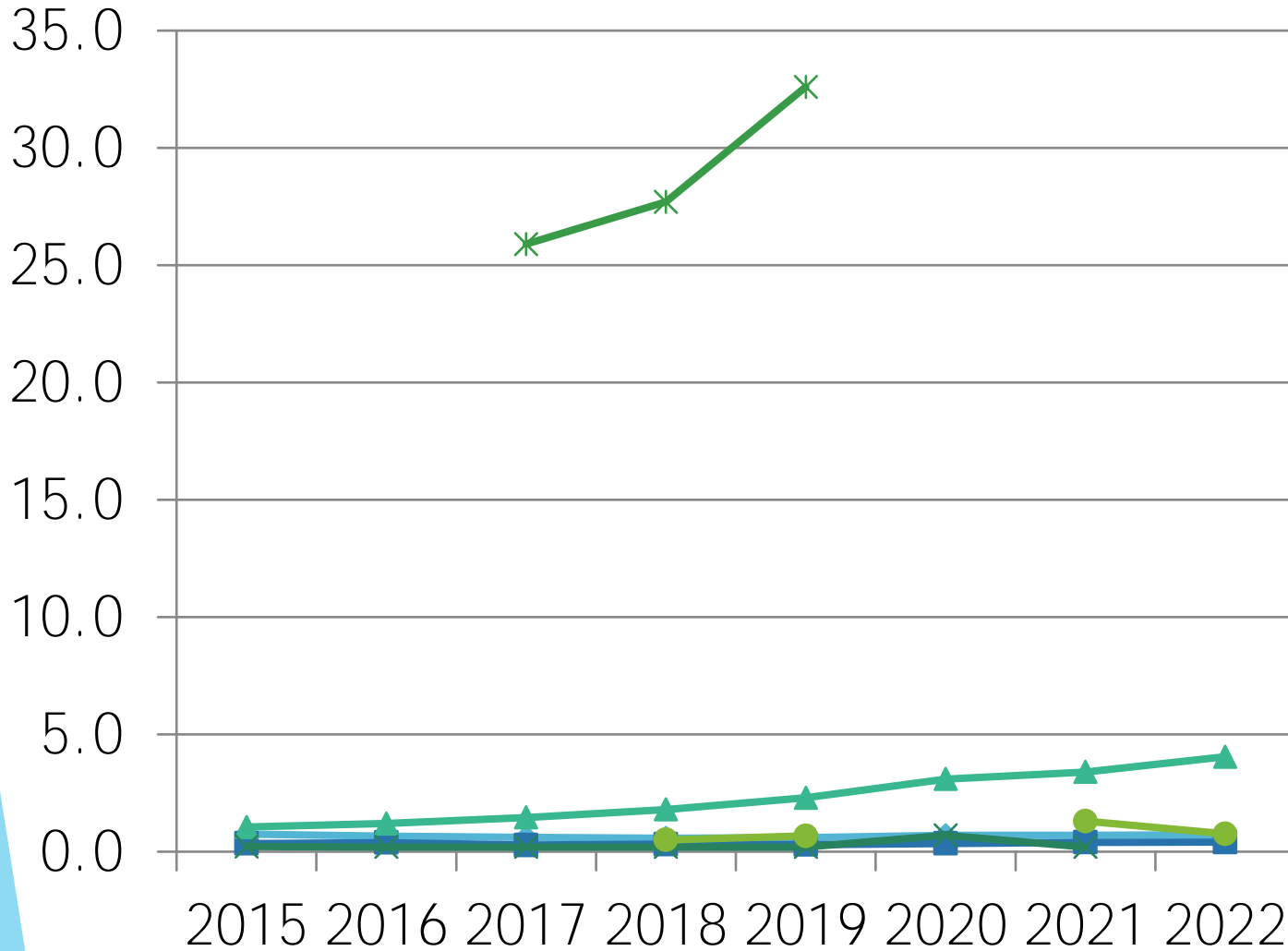
High transparency: > 4m

Moderate transparency: > 2m

Secchi Depth (m)



Chloride Levels (mg/L)



Guideline for Aquatic Life: 120 mg/L

Toxic to water fleas: 10-20 mg/L

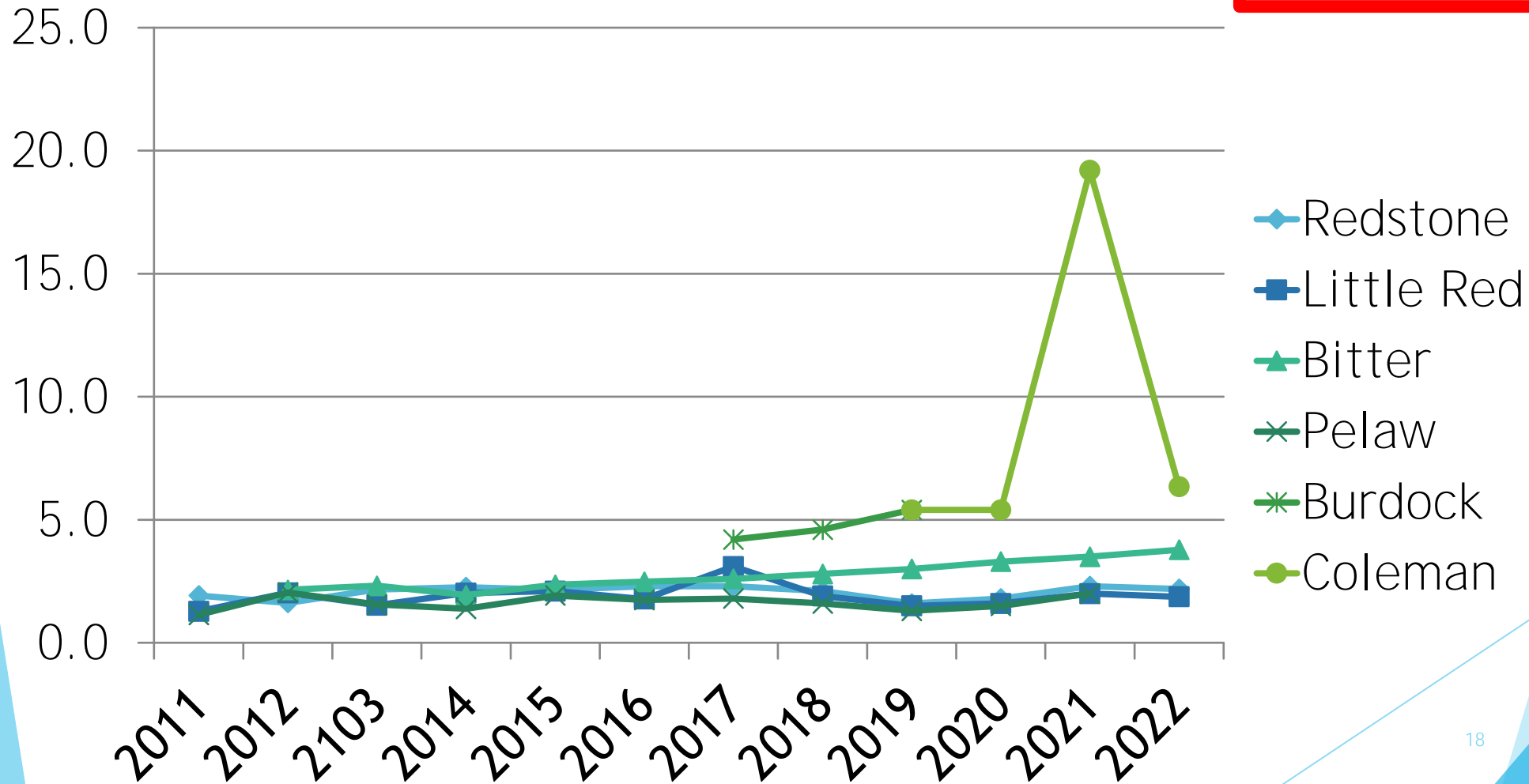
- ◆ Redstone
- Little Redstone
- ▲ Bitter
- ✕ Pelaw
- ✱ Burdock
- Coleman

Burdock levels may be from Hwy 7 salting

Does anyone know of Bitter Lake Rd salting?

Calcium Levels (mg/L)

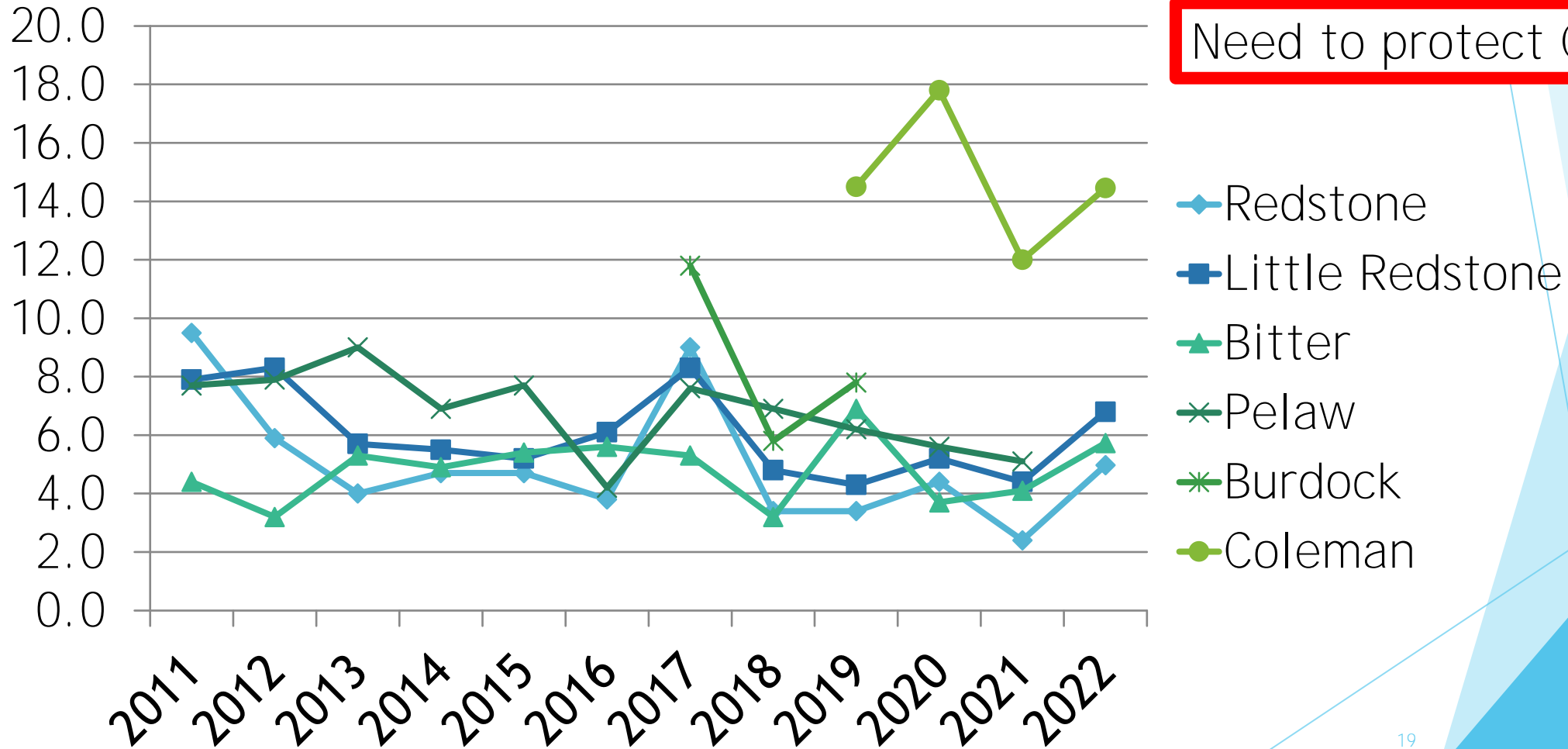
All lakes above 1.5 mg/L threshold for zooplankton - but many are close



Spring Phosphorus Levels (ug/L)

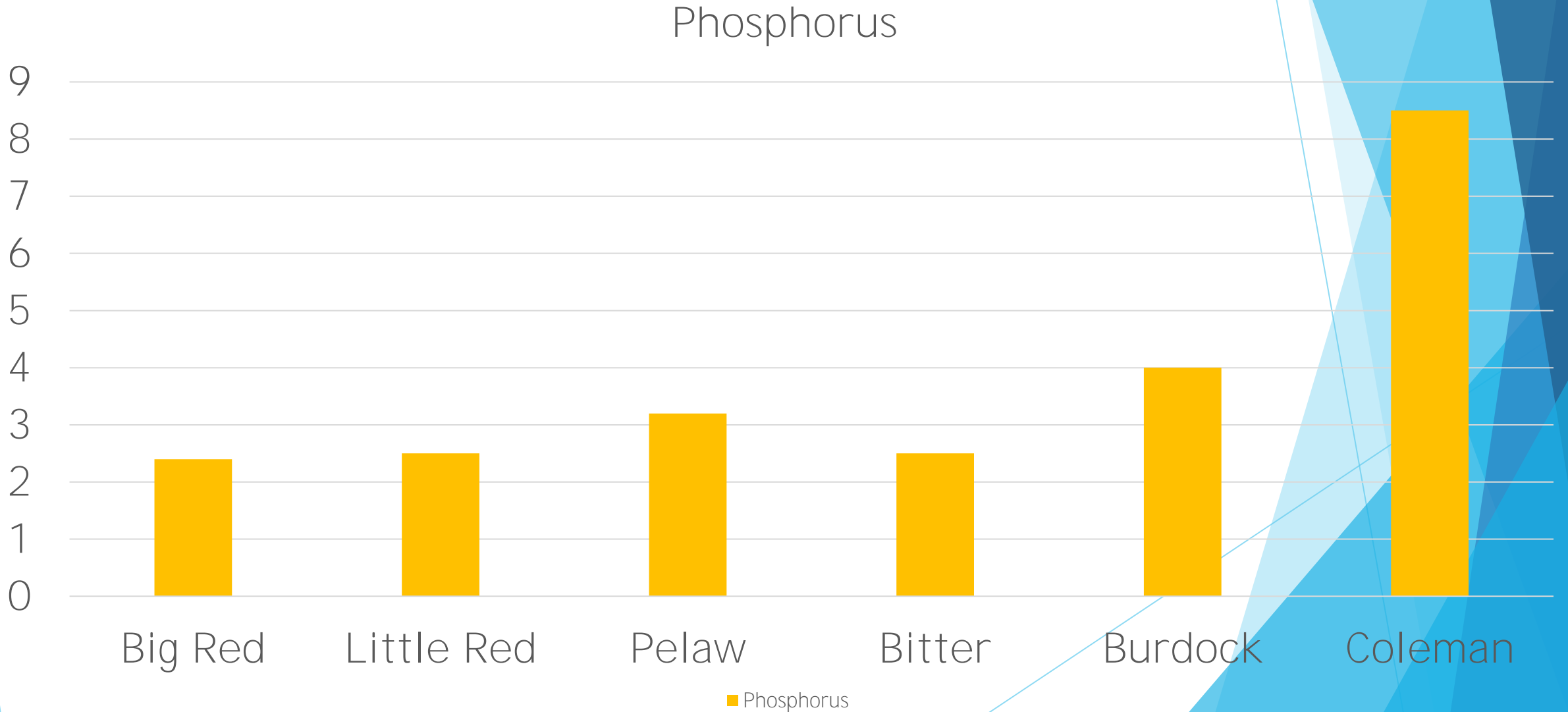
All lakes below 20 ug/L threshold for algal blooms

Need to protect Coleman

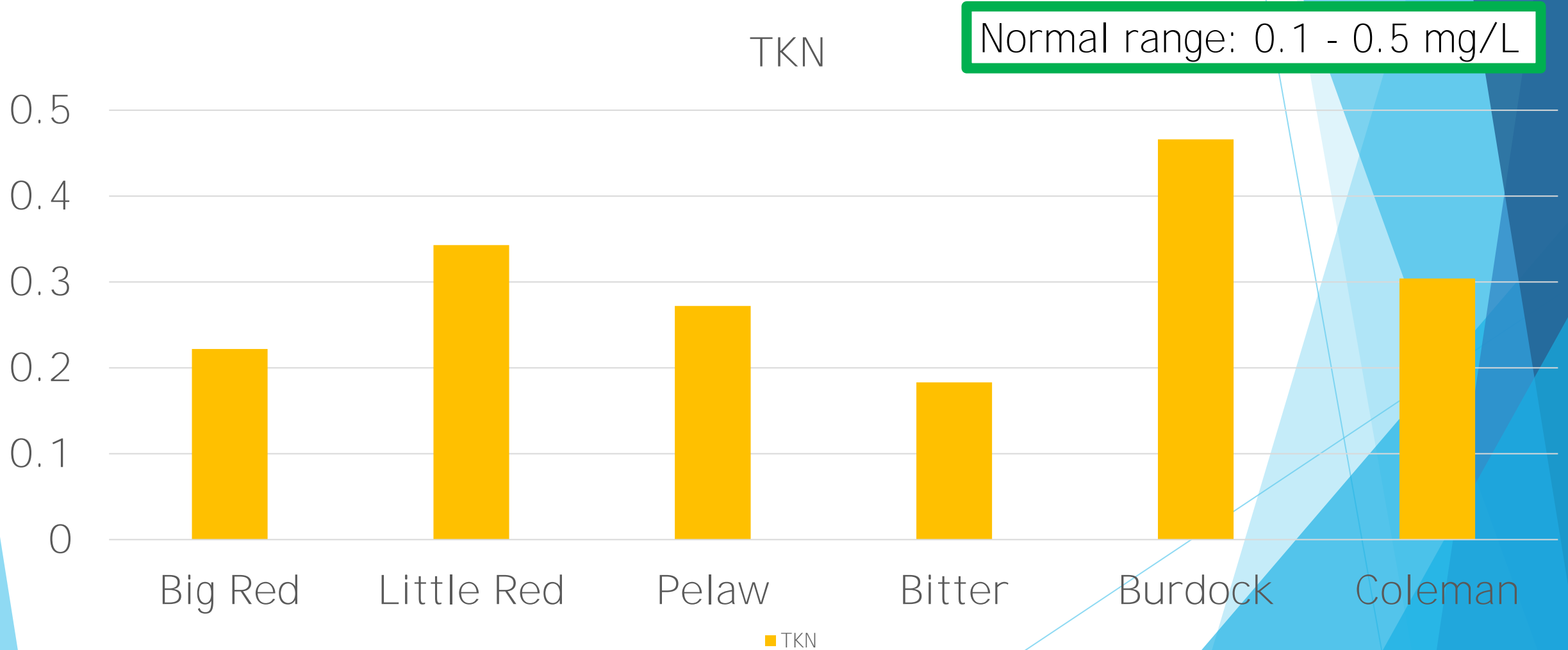


Late Summer Phosphorus (ug/L)

All lakes considered “good” with values below 10 ug/L

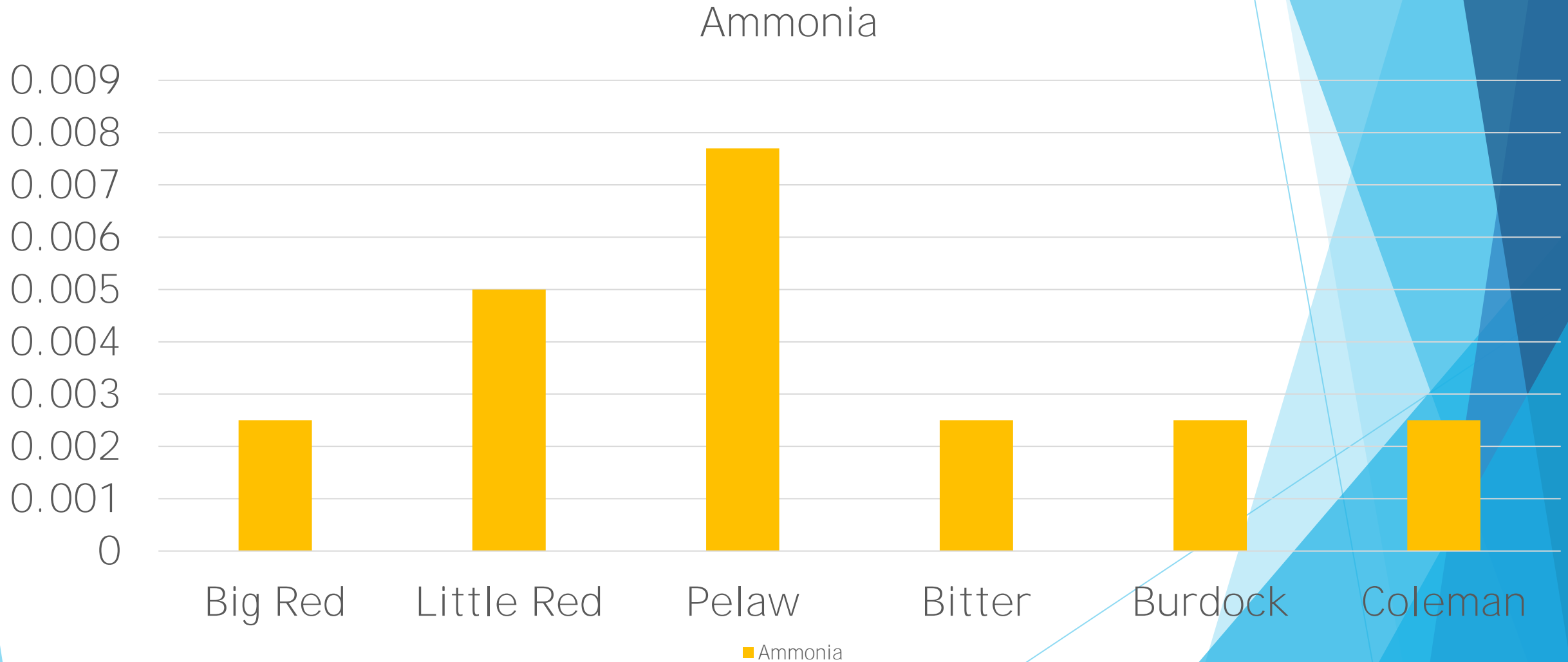


Kjeldahl nitrogen, total [TKN] (mg/L)



Ammonia (mg/L)

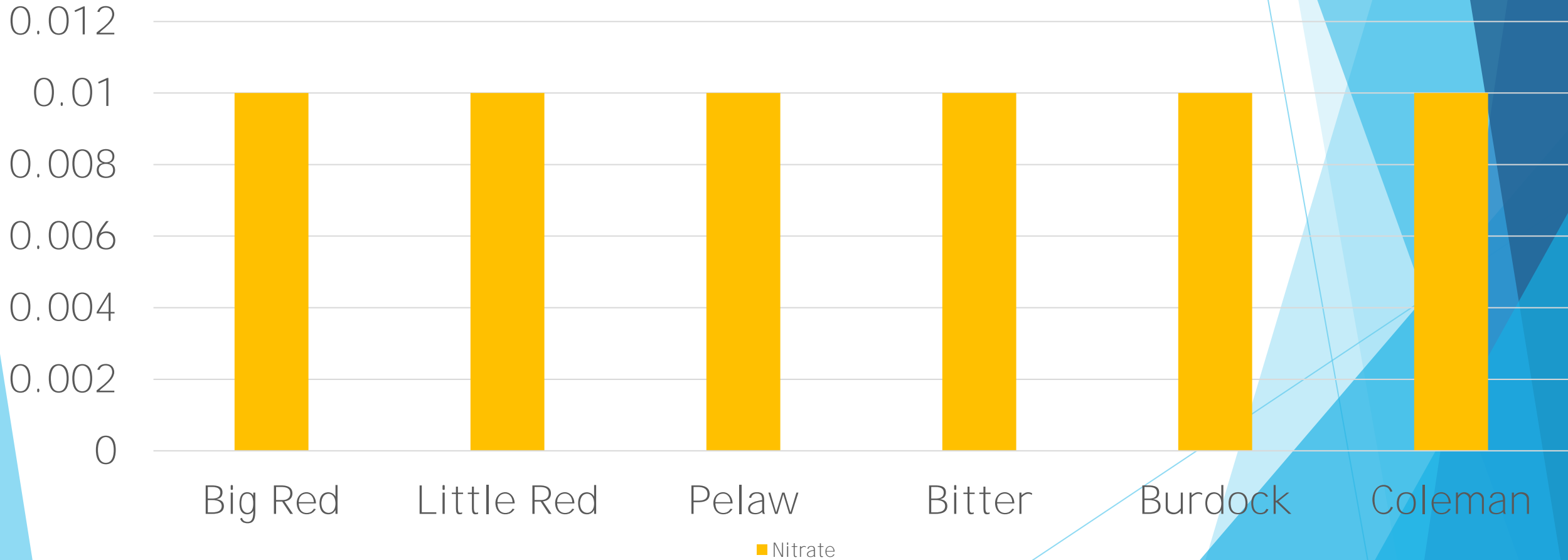
Below national guideline of 0.17 mg/L



Nitrate (mg/L)

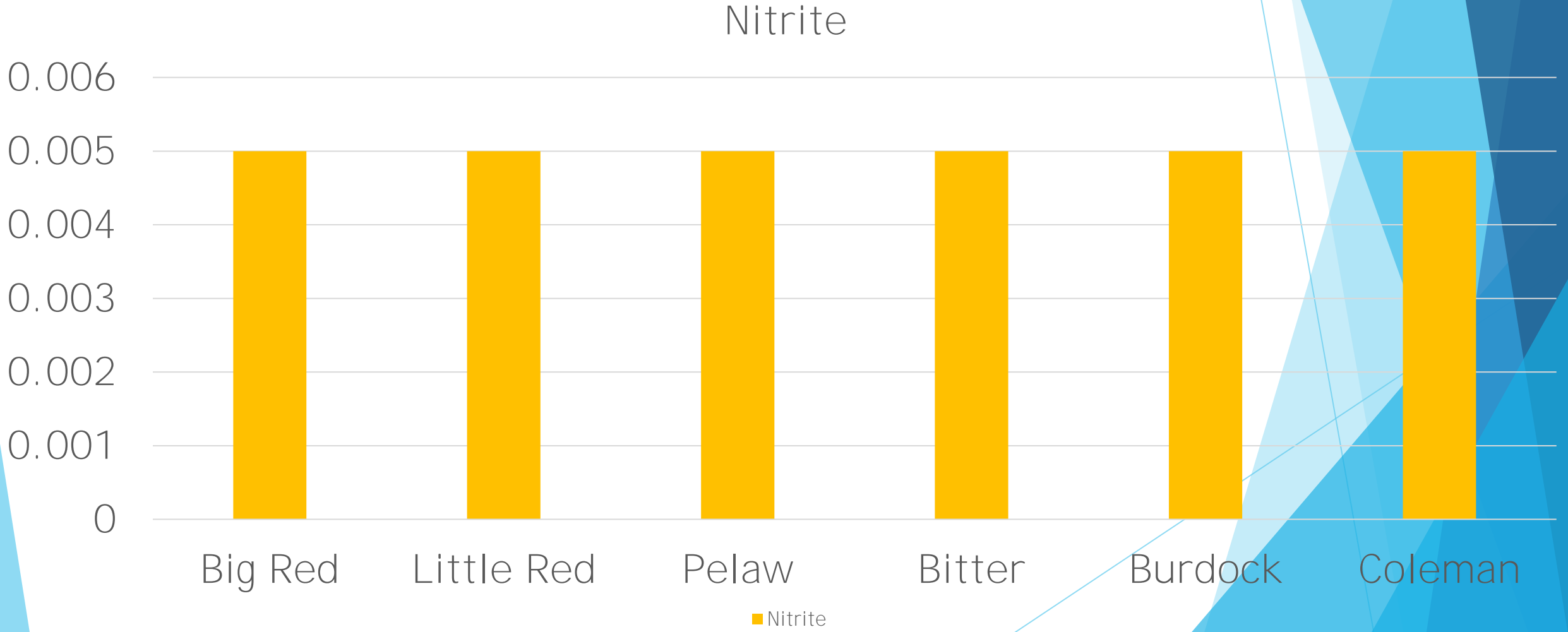
All non-detects

Nitrate



Nitrite (mg/L)

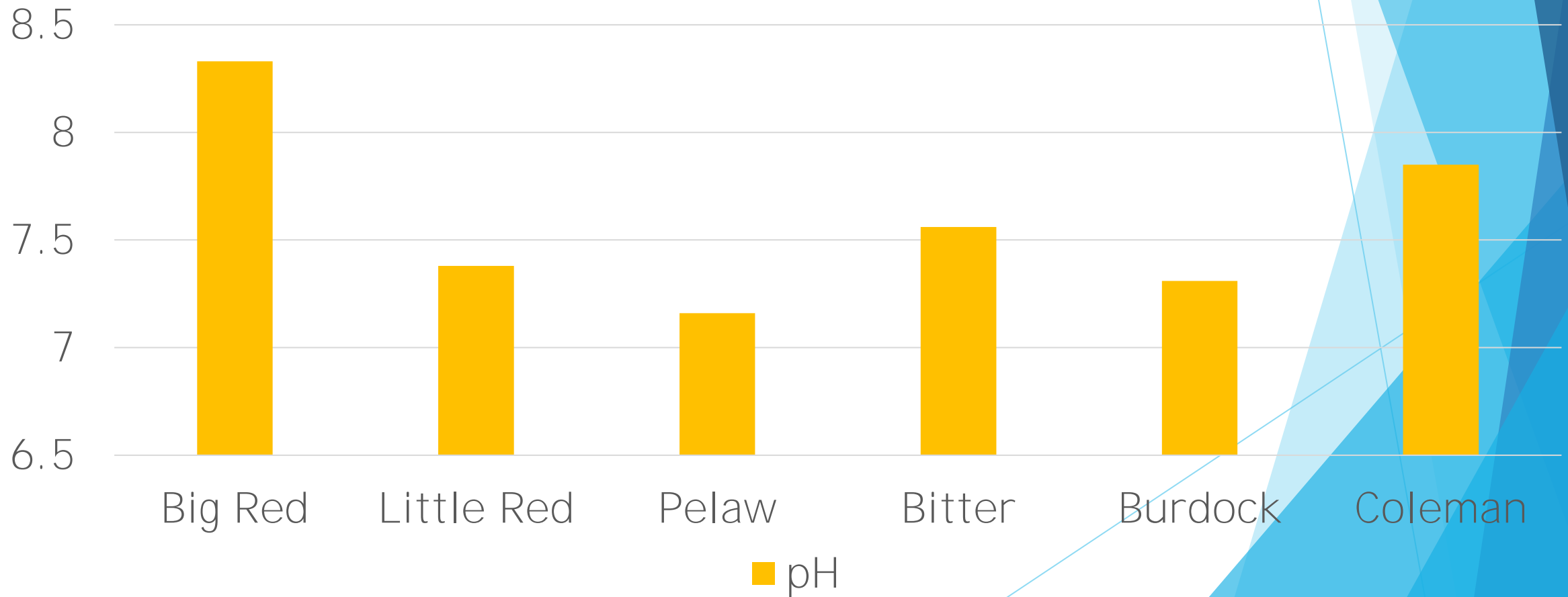
All non-detects



pH

Within normal range for Ontario lakes: 6.5 - 8.5

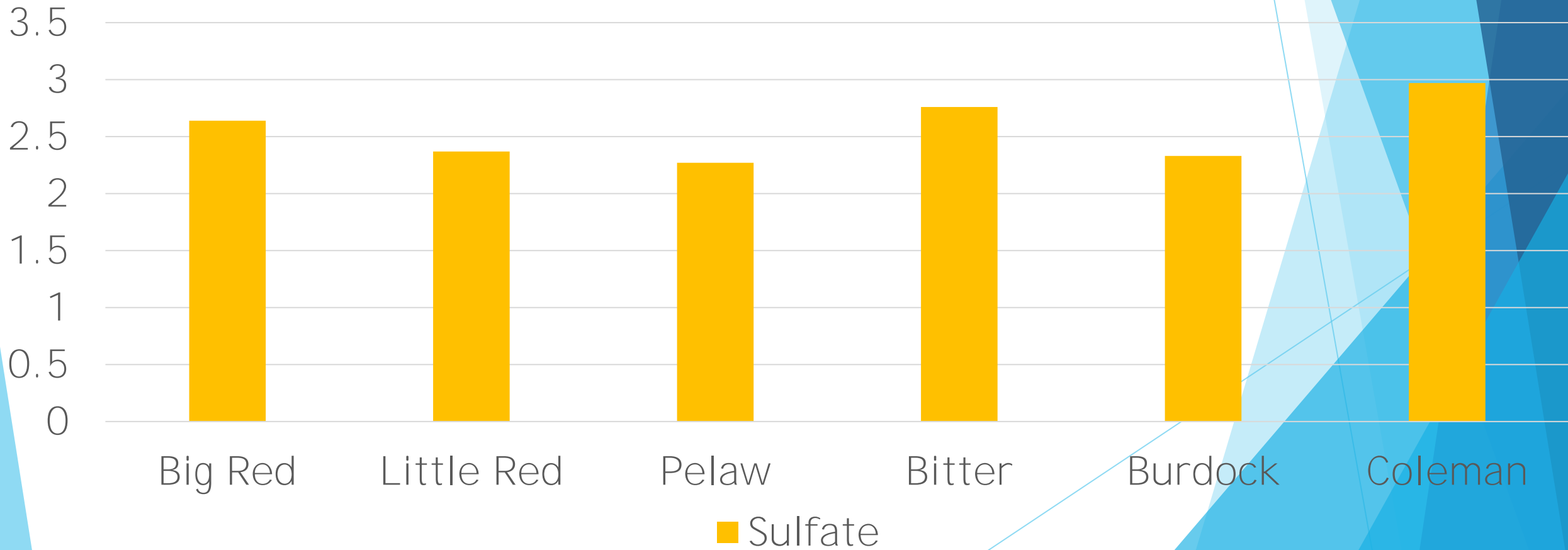
pH



Sulfate (mg/L)

Within lower range for small Ontario lakes: 1.4 - 24 mg/L

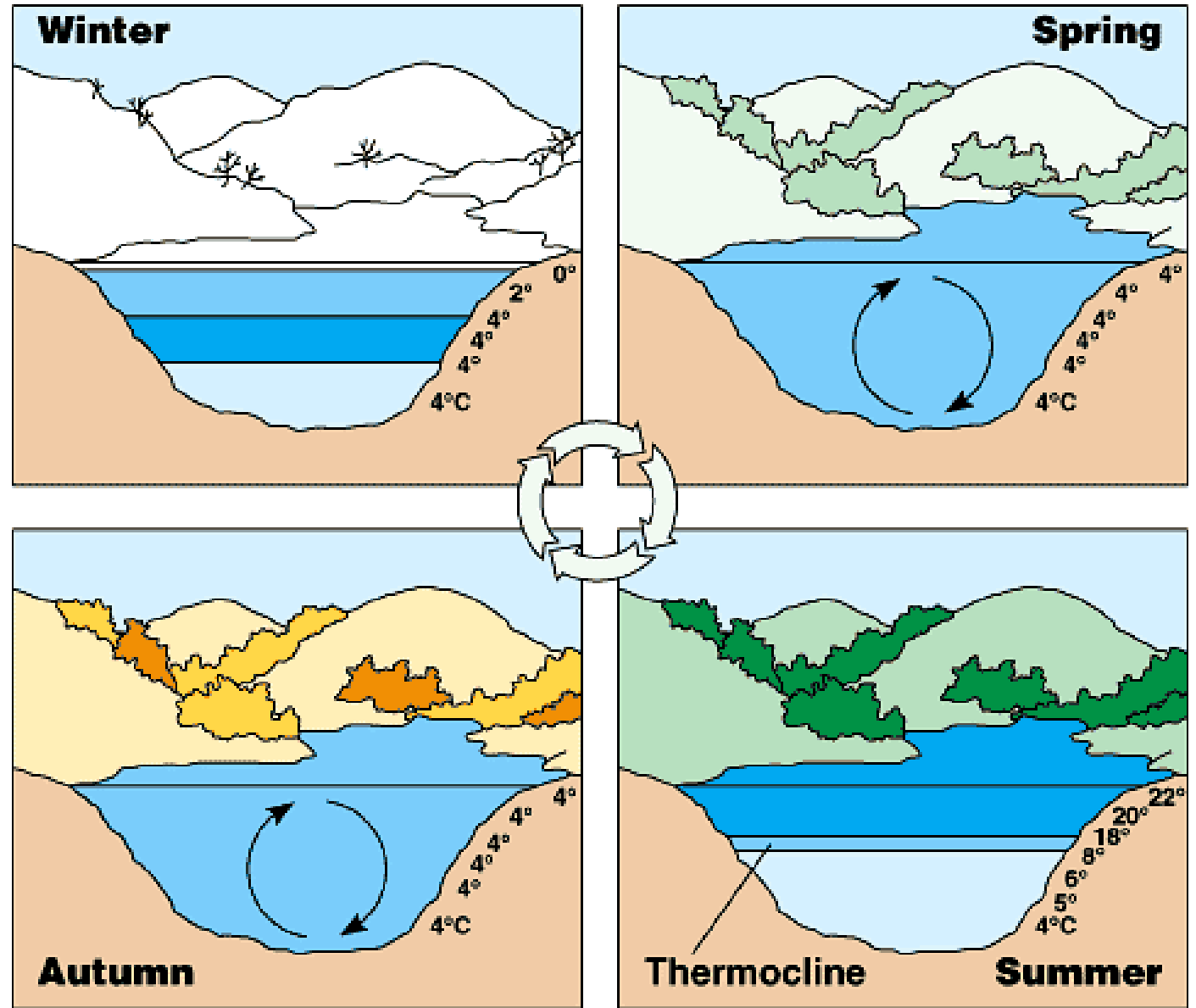
Sulfate



Dissolved Oxygen

Big Red: 9.18 to 10.64 mg/L
Little Red: 8.94 to 9.59 mg/L
Bitter: 9.05 to 11.80 mg/L
Coleman: 4.51 to 9.27 mg/L

Pelaw: 2.44 to 8.72 mg/L
Burdock: 2.0 to 8.90 mg/L



Inc., publishing as Benjamin Cummings.

Source: <https://lakeecosystems2014.wordpress.com/lake-data/physical-characteristics/>

What can we do?

▶ Awareness

- ▶ We can work together to reduce the impact of our collective actions.
- ▶ Do not assume the current health of our lakes will remain the same.

▶ Protection

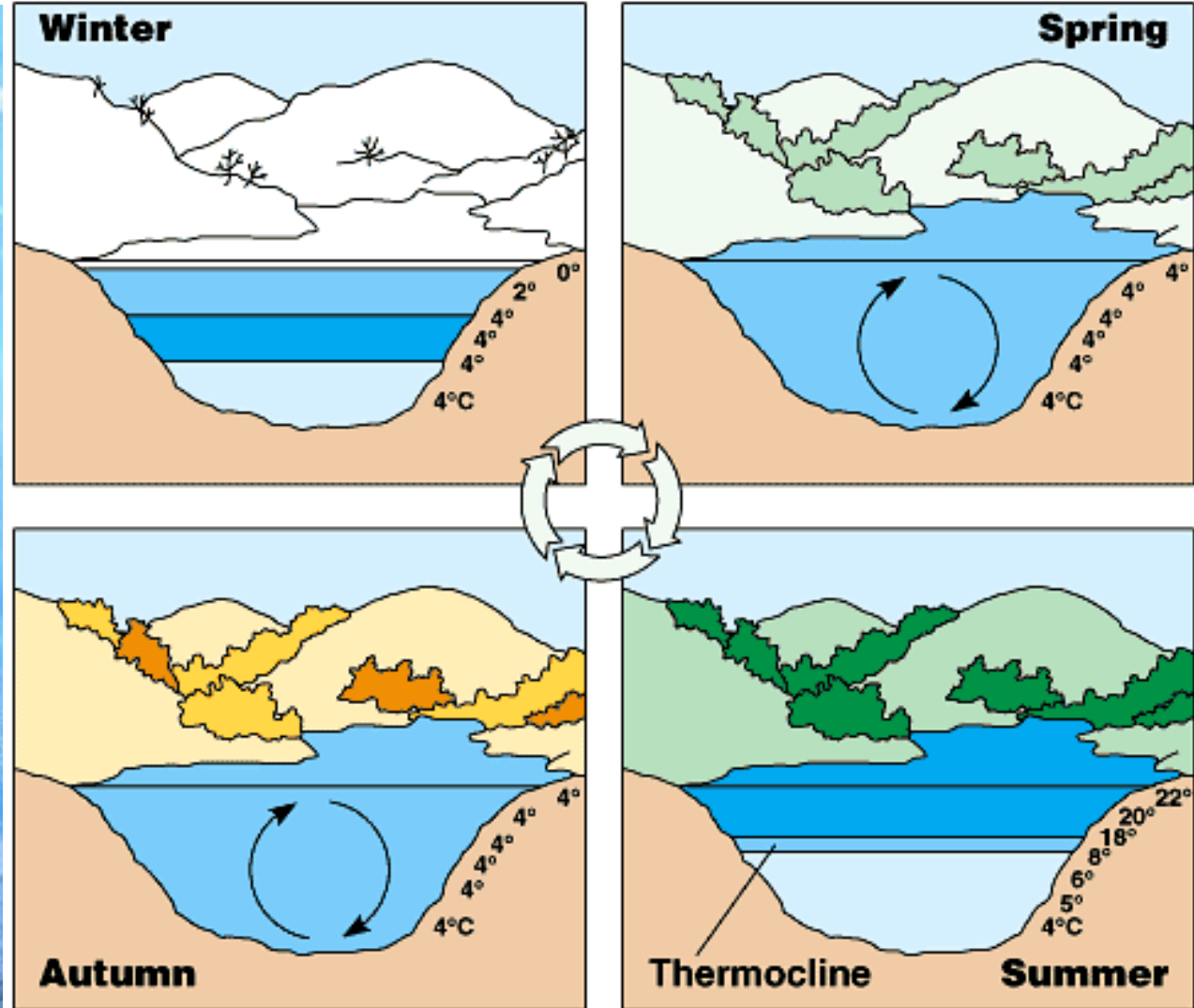
- ▶ Shoreline Restoration.
- ▶ Reduce boat speed within 30 m of shore.
- ▶ Maintain septic systems in good working condition.
- ▶ Clean, drain, dry your boats
- ▶ **Don't alter lake habitat**

▶ Monitoring

- ▶ Monitoring lake health will help us to identify the most urgent protective measures.



Dissolved Oxygen Monitoring



Monitoring Programs

- ▶ RLCA lakes currently participate in the provincial Lake Partner Program
 - ▶ Annual calcium + chloride + phosphorus samples
 - ▶ Monthly secchi disk measurements
- ▶ ULINKS + Trent University conduct an annual benthic invertebrate monitoring program
- ▶ University of Waterloo - School of Environment, Resources and Sustainability - research project.



Questions?



References

- Blakley, J., Bram, N., Vella, K., Marty, J., Nwanekezie, K., & Federoff, K. (2020). *Lessons Learned, Best Practices and Critical Gaps in Regional Environmental Assessment: A Synthesis of Canadian and International Literature*.
- Cavanagh N, Nordin RN, Pommen LW, and Swain LG. 1998. Guidelines for Interpreting Water Quality Data: Field Test Edition (Version 1.0). Prepared by the Ministry of Environment, Lands and Parks Water Quality Branch for the Aquatic Ecosystems Task Force Resources Inventory Committee. Victoria British Columbia: The Province of British Columbia.
- Eimers C. (2016). Cumulative Effects Assessment and Monitoring in the Muskoka Watershed. Waterloo, ON: Canadian Water Network. Available from: <https://cwn-rce.ca/wp-content/uploads/2013/12/CWN-EN-Muskoka-2016-Web.pdf>.
- Gov BC [Government of British Columbia]. (2020a). Understanding Cumulative Effects in the Elk Valley. Victoria: Government of British Columbia. Accessed Nov 3, 2021. Available from: <https://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/cumulative-effects-framework/regional-assessments/kootenay-boundary/elk-valley-cemf>.
- Gov BC. (2020b). Enhancing Wildlife and Ecosystem Health with Road Rehabilitation. Victoria: Government of British Columbia. Accessed Nov 3, 2021. Available from: https://www2.gov.bc.ca/assets/gov/environment/natural-resource-stewardship/cumulative-effects/cemf_elkvalleyinfographics_roadrestoration_v03_01.pdf.
- Gov BC.. (2021). Elk Valley Cumulative Effects Management Framework. Victoria: Government of British Columbia. Accessed Nov 3, 2021. Available from: <https://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/cumulative-effects-framework/regional-assessments/kootenay-boundary/elk-valley-cemf>.
- IAA [Impact Assessment Agency]. (2021). Regional Assessment Under the Impact Assessment Act. Ottawa: Government of Canada. Last modified March 11, 2021. Available from: <https://www.canada.ca/en/impact-assessment-agency/services/policy-guidance/regional-assessment-impact-assessment-act.html>.
- Noble, B. (2021). *Introduction to Environmental Assessment: A Guide to Principles and Practices* (4th ed.). Don Mills: Oxford University Press.

Bryan Bomholt - Rogers
Andrew McGrath

Internet options

Redstone ake

Andrew McGrath

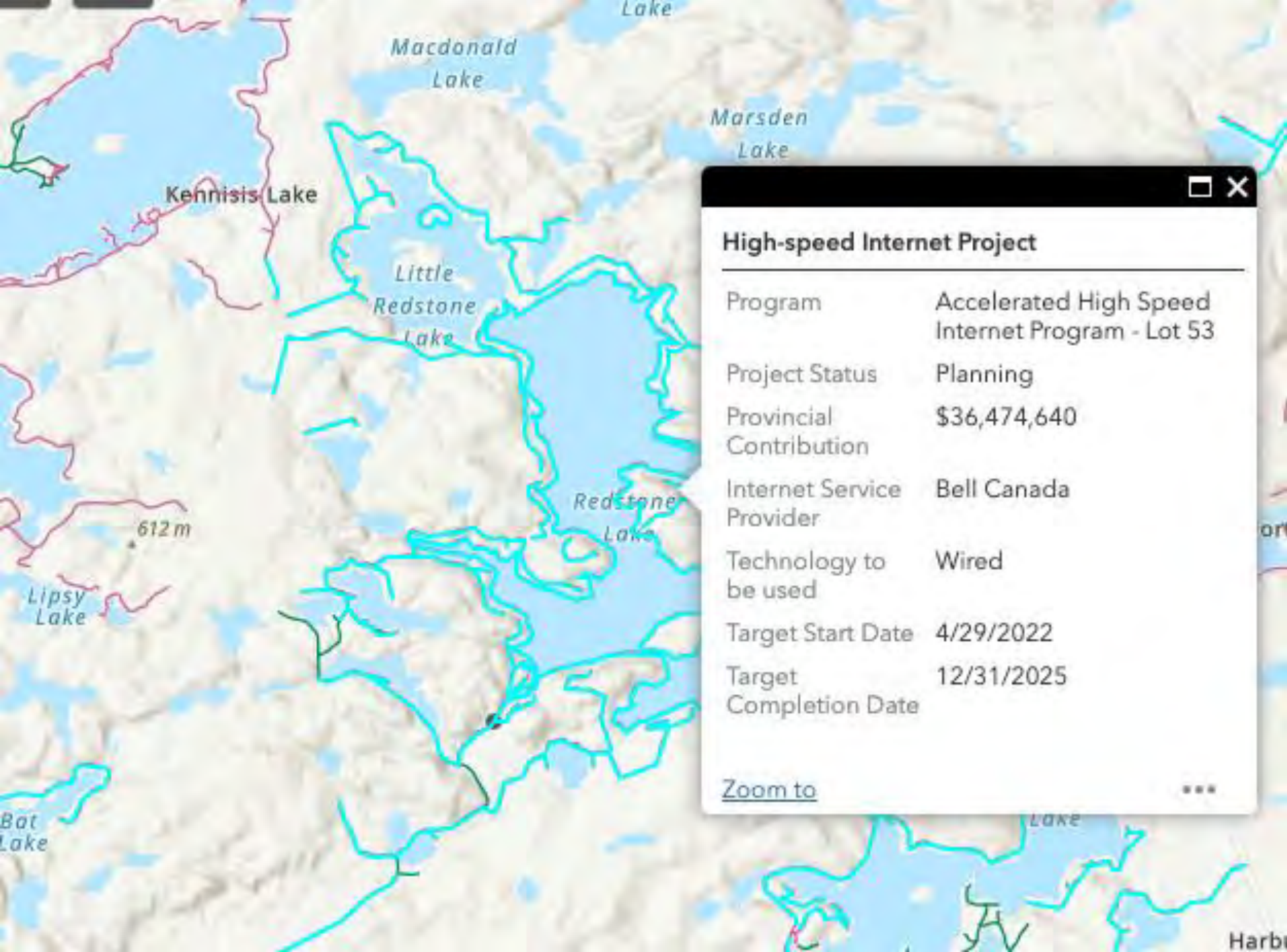
High level summary / my opinion

1. If you can afford it and find an unobstructed space, Starlink is the best option available today.
2. DSL is slow and obsolete technology, it's particularly bad in our area. I wouldn't bother getting it.
3. LTE is OK but heavy users will get throttled and reliability has historically been poor. Also, it might not even be available in your area. If you happen to be near the tower and it's not over subscribed, it can be decent.
4. Fibre isnt here yet, but when it is, this is the best option and I'll personally make the switch.

The current situation with traditional providers

- 75-100% 50/10mbps or greater
- 50-75% 50/10mbps or greater
- 25-50% 50/10mbps or greater
- 0-25% 50/10mbps or greater





There is a focus today on improving our areas Internet access

STARLINK

Options

AVAILABILITY



AVAILABLE



WAITLIST

COMING SOON

ONTARIO



Category	Providers	Up speed	Down speed	Pricing	Notes
High speed satellite (Reliable, fast, expensive)	Starlink	5-25 Mbps (typical 10)	5-220 Mbps (typical 100)	\$199 for initial hardware (normally \$759) \$140 / month No data caps or throttles	<ol style="list-style-type: none"> 30 day trial Requires substantial view of the sky or you may experience dropped connections periodically, making for a more complicated install Not typically impacted by weather but in extreme cases there may be some degraded service Speeds tend to be in the middle of the advertised rates
DSL (Reliable, slow, cheapest)	Bell	0.25-10 Mbps (typical 1-5 max)	1-15 Mbps (typical expect 1-10)	\$0 setup \$85 / month (unlimited) \$55 / month (100gb limit) Has data caps, with unlimited options available.	<ol style="list-style-type: none"> Speeds are typically on the lower end of advertised rates Not available to everyone due to a lack of physical lines Condition of lines will impact service availability
Fixed Wireless (Less reliable, speeds vary, moderately priced)	Bell Cottage Country Internet Xplore Rogers	1-10 Mbps In Rogers case, throttled after 450 gb to 2 Mbps	5-50 Mbps In Rogers case, throttled after 450 gb to 10 Mbps	<p><i>Rogers example...</i> \$59.99 setup fee</p> <p>LTE 25 plan (max speed 25 Mbps) \$49.99 / month (first 12 months only, \$94.99 thereafter)</p> <p>LTE 50 plan (Max speed 50 Mbps) \$59 / month(first 12 months only, \$149.99 thereafter)</p>	<ol style="list-style-type: none"> Providers typically throttle speeds, lame. Speeds are typically on the lower end of advertised rates and vary based on tower user saturation You may experience reliability problems due to terrain or weather Might be easier to install than starlink Not available to everyone, very specific based on your location relative to towers

Category	Providers	Up speed	Down speed	Pricing	Notes
<p>Fibre (coming soon!)</p> <p>(Very reliable, high speed, well priced)</p>	Bell	<p>Speed varies based on your areas install type:</p> <p>Option 1: Neighbourhood will reach speeds of up to 10 Mbp</p> <p>Option 2: Fibre to the home will reach speeds of 1500-8000 Mbps</p>	<p>Speed varies based on your areas install type:</p> <p>Option 1: Neighbourhood will reach speeds of up to 100 Mbp</p> <p>Option 2: Fibre to the home will reach speeds of 1500-8000 Mbps</p>	<p>***No official pricing has been provided yet***</p> <p>Comparable area rates:</p> <p>No install fee</p> <p>Fibre to the neighbourhood \$60 to \$70 (\$90 to \$100 after 24 months)</p> <p>Fibre to the house 1500 Mbps \$90 (\$125 after 24 months) 3000 Mbps \$125 (\$135 after 24 months)</p> <p>Typically no data caps</p>	<ol style="list-style-type: none"> 1. Lines are presently being run in the area, but this service is not yet available 2. We don't have pricing details, pricing shown is what is typical in similar areas 3. We don't know if everyone will have Fibre to the home or if some residents will get Neighbourhood installs types. 4. This would be the more reliable service type, not impacted by weather, terrain etc 5. Install should be simple but given the lines are new, some complications reaching houses may be experienced 6. Typically no data caps

How much are you willing to spend?

A little as possible

Up to \$100 / month

More than \$100 / month

Are you in range of LTE options?

Yes

No

Are you able to get a clear view of the sky somehow?

Yes

No

Consider DSL

Consider Rogers, Xplore or Bell
**Note price jumps a lot after 12 months*

Consider DSL, increase your budget or wait for fibre

Consider Starlink
(Consider switching to fibre when it becomes available)

Wait for fibre
(maybe consider Starlink anyway, or check if LTE is available)

How do you get Starlink?

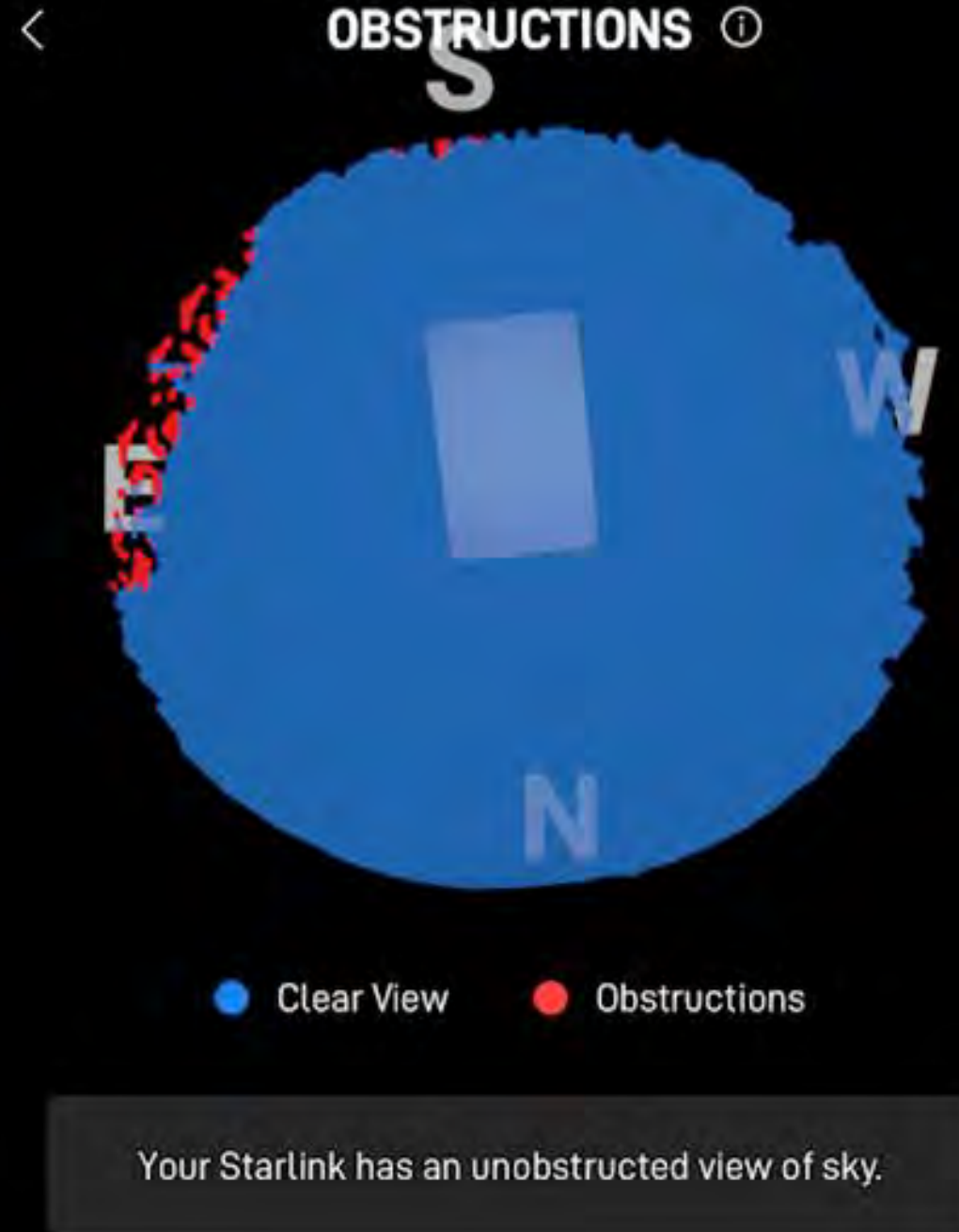
It depends...here's our experience
(and it probably doesn't get any harder than this)

Sign up and pay

That's the easy part.....

<https://www.starlink.com/>

Obstructions to the sky are the primary issue any Starlink install will have



Select Starlink

DISCONNECTED



CONNECT TO STARLINK WIFI

Tap to open your WiFi settings



STATISTICS



NETWORK



OBSTRUCTIONS

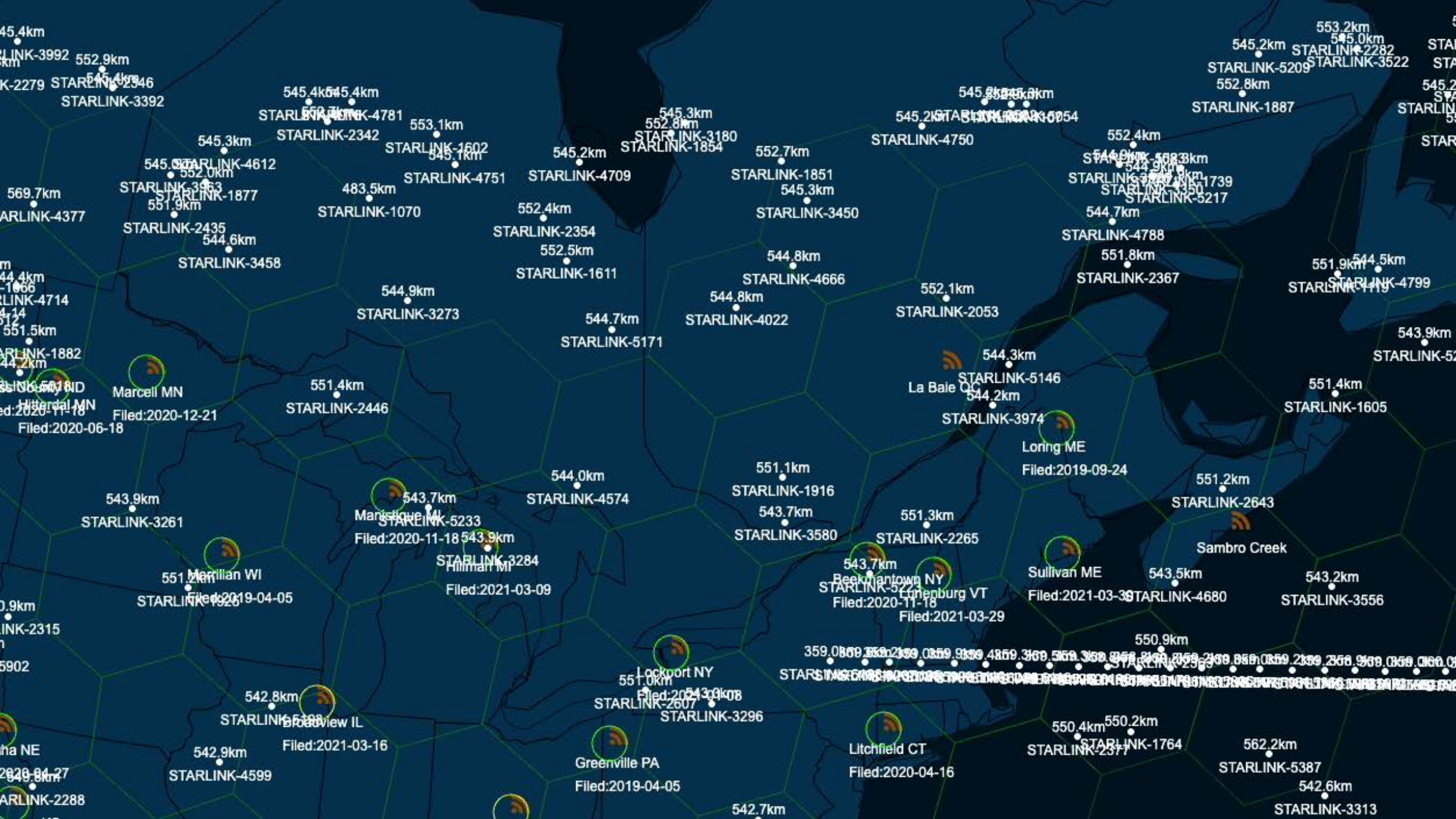


SPEED TEST



SETTINGS







My original install location was going to be less ideal during the summer

Cost \$2000 to install

1 day setup

4 weeks to source the right people for the job



It's scary to climb to install your dish

Bad news: It has broken once

Good news: They replaced it for free

This is me switching the dish over



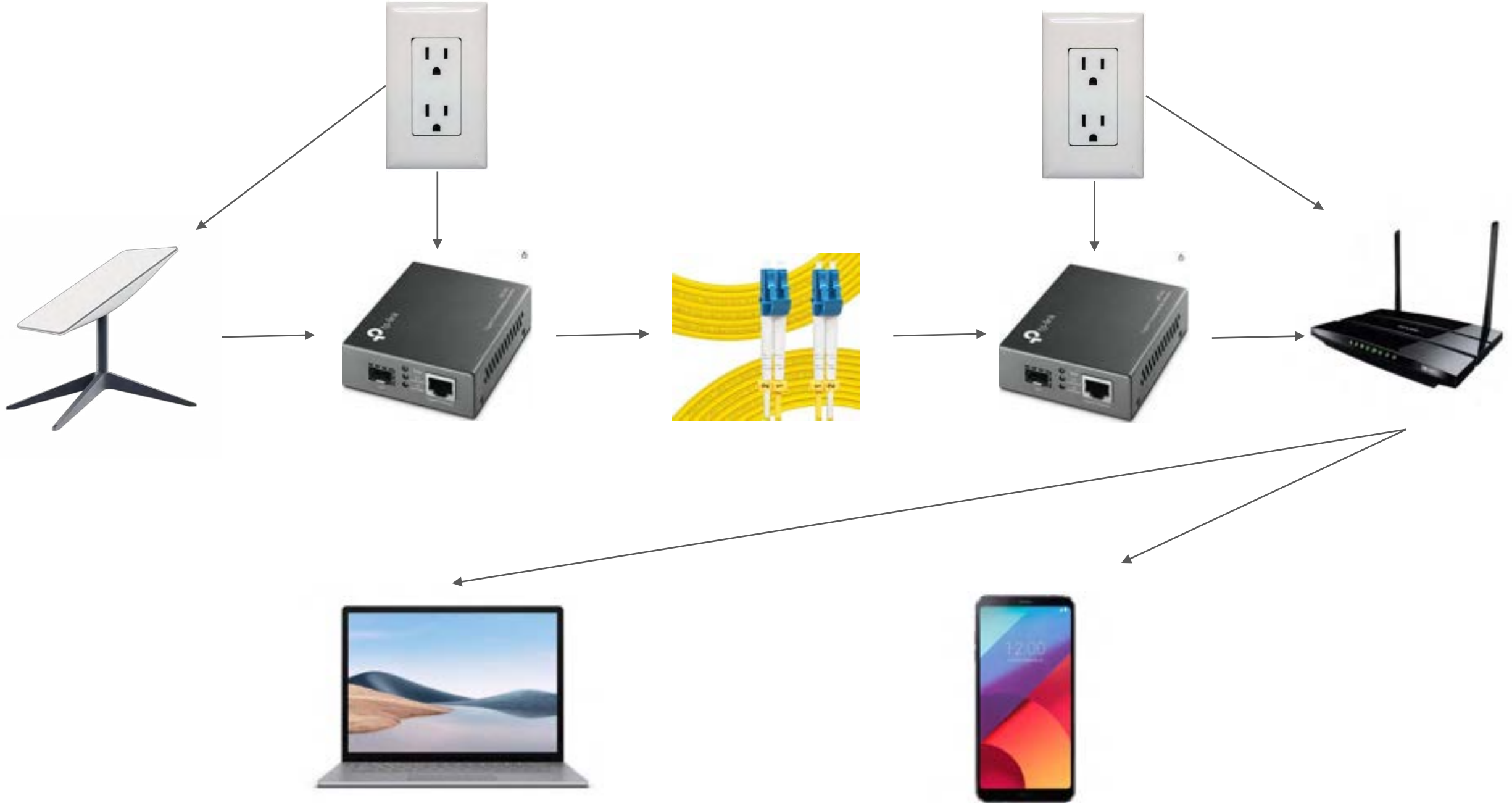


Safety first

We had to make a custom setup for our cable as the provided cable is not long enough



I hope none of you are ESA inspectors.





But...your install might not be as difficult as ours.



Questions?



2023 RLCA Business Meeting

July 8, 2023

Motion #2

I move to approve the minutes of the 2022 AGM titled... "Redstone Lake Cottagers Association Annual General Meeting, July 13, 2022" circulated in draft on June 28, 2023

Seconded by...

Vote by Show of Hands...

Donna Luger
Membership Co-Ordinator and
Treasurer

July 13, 2022

2023 AGM MEMBERSHIP REPORT

Membership Stats:

- 2022: 342 ↓15 from 2021
- 2023: 312 as of July 1 & growing

Breakdown by Lake - Members in Good Standing as of July 1

- Bitter - 33% (21 out of 64 properties)
- Burdock - 41% (9/22)
- Coleman - 62% (10/16)
- Little Redstone - 55% (87/157)
- Pelaw - 42% (10/24)
- Redstone - 49% (175/354)

Membership Drive 2022:

- Thank you to our 25 volunteers who delivered 600 packages to properties on our 6 lakes.
 - Package was smaller than it used to be. Less printed resources available, mostly only online.
 - Response to membership drive by way of new or renewed memberships was low. Board made a decision to revisit door-to-door drive in we will concentrate on advertising via local road signage and continue our very informative monthly eBlasts. Thank you to Paula for coordinating and driving this initiative each month.
- We prefer eTransfers for membership payments but if you don't use online banking we will accept cheques mailed to 3 West Guilford. Please note that mail will not be picked up between Jan. and May.

July 13, 2022

2022 Financial Results Jan 1, 2022 to December 31, 2022

INCOME	9,087.38
Advertising	1,980.00
Membership Dues	7,107.38
EXPENSES	(10,106.12)
Administration	(7,785.58)
Bank Fee	(29.25)
Environment	(100.00)
Contest Prizes	(100.00)
Membership	(2,191.29)
Drive	(2,164.08)
Events & Contests	(27.21)
NET	(1,018.74)

July 13, 2022

Motion #3

I move to approve the
“2022 Financial Results Jan 1, 2022 to December
31, 2022”
as presented to the members at the AGM on July 8,
2023

Seconded by...

Vote by Show of Hands...

Motion #4

I move to enact an Extraordinary Resolution dispensing with appointing an auditor or having an audit or review engagement for the 2022 fiscal year, the extraordinary resolution being presented to the members at the AGM held July 8, 2023

Seconded by...

Vote by Show of Hands...

Motion #5

I move to approve donations from RLCA in 2023 as follows:

- Haliburton Highlands Outdoor Association in support of the Fish Hatchery: \$500
- Haliburton Highlands Health Services in support of the hospital: \$500
- Coalition of Haliburton Property Owners Association: \$500

Seconded by...

Vote by Show of Hands...

Motion #6

RESOLUTION OF THE MEMBERS OF REDSTONE LAKE COTTAGERS ASSOCIATION(the “Corporation”)

The undersigned, being all the members of the Corporation hereby pass the following resolutions pursuant to the Not-for-Profit Corporations Act, 2010 (Ontario) (the “Act”) on _____ 2023;

ARTICLES OF AMENDMENT

WHEREAS the Corporation was incorporated under the Corporations Act (Ontario), predecessor of the Act, by Letters Patent dated August 16,1961; (the “Articles”);

AND WHEREAS it is considered expedient in the interests of the Corporation to amend the Articles of the Corporation as hereinafter provided pursuant to Section 103(1) of the Act;

NOW THEREFORE BE IT RESOLVED, AS A SPECIAL RESOLUTION, THAT:

1. The Articles of the Corporation be amended by:

a) specifying that the number of directors to be elected is a minimum of 3 and a maximum of 10;

b) deleting the objects of the Corporation on page 2 of the Letters Patent in their entirety and replacing them with the following purposes:

“a) To protect the quality of the water and environment in certain the lakes of Haliburton County, namely Bitter, Burdock, Coleman, Little Redstone, Pelaw and Redstone, and any other smaller surrounding lakes admitted into this group by resolution of the board of the Corporation and confirmed by the members of the Corporation (the “Lakes”);

b) To promote activities by property owners and visitors on the said Lakes to maintain the ecology of the area;

c) To promote safety and good neighbourliness on the water of the Lakes;

d) To represent the interests of property owners as cottagers on the Lakes when communicating with governments, regulatory bodies, and cottage umbrella organizations; and

e) To communicate to property owners on the Lakes regarding cultural, social, environmental and government activities in the area as deemed appropriate by the board of the Corporation.”

c) Deleting the paragraph on page 3 beginning with “AND IT IS HEREBY ORDAINED AND DECLARED” and all paragraphs on pages 3 and 4 beginning with “AND IT IS HEREBY FURTHER ORDAINED AND DECLARED” and replacing them with the following special provisions:

“The following are the special provisions:

Commercial purposes, if any, included in the articles are intended only to advance or support one or more of the non-profit purposes of the Corporation.

No part of the Corporation’s profits or of its property or accretions to the value of the property may be distributed, directly or indirectly, to a member a director or an officer of the Corporation except in furtherance of the Corporation’s activities.

The Corporation shall be carried on without the purpose of gain for its members and any profits or other accretions to the Corporation shall be used in promoting its purposes.

The Corporation shall have one voting class of members.

Upon dissolution of the Corporation and after the payment of all debts and liabilities, the remaining property shall be distributed to a successor not-for-profit corporation. If such successor not-for-profit corporation does not exist, the remaining property shall be distributed to a charitable corporation in Haliburton County as agreed by a general vote of the members at the time of dissolution.”

2. any two directors or officers of the Corporation are hereby authorized, empowered and directed for and on behalf of the Corporation to execute and deliver the Articles of Amendment to the Director appointed under the Act and to sign and deliver all documents and to do all things necessary or advisable in connection with the foregoing.

Motion #7

CONFIRMATION OF BY-LAW NO. 1

RESOLVED AS A SPECIAL RESOLUTION THAT:

1. By-law No. 1 of the Corporation in the form made by the directors of the Corporation is hereby confirmed without variation or amendment, and all prior by-laws and their amendments are hereby confirmed as repealed.

DATED _____ 2023.

Motion #8

I move to affirm

- Amanda Cepler
- Steve Harris
- Tim Hockley
- Laurie Kerr
- Jess Kidd
- Donna Luger
- Paula Miller
- Ed Payne

as directors of the RLCA for the period July 18, 2023, until the next AGM or until his or her successor is elected or appointed, whichever shall first occur.

Seconded by...

Vote by Show of Hands...

Motion #9

I move that we adjourn the 2023 RLCA Annual General Meeting.

Seconded by...

Vote by Show of Hands...

Thank you all very much for
attending and we hope to see
you all again in July 2024