



WELCOME

Water Sampling Training Session

Presented by Chris Cragg & Jan Getson

Dates for Water Sampling 2022

May 20 - 23

June 24 -27

July 22-25

August 19 - 22

Interested in being a Volunteer,
email chelsea@mila.on.ca

Introductions

- Chris Cragg – Chair, MLA Environment Committee
 - Jan Getson – Educator, extensive sampling experience
 - Chelsea Callard – Office Co-Ordinator 705-765-5623
 - Erla McCaig – MLA General Manager [since February]
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- Consultant – Kris Hadley, Hutchinson Environmental Sciences Ltd
 - Testing Lab – ALS Toronto

AGENDA

- Brief History [Chris]
- Tweaks to the program for 2022 [Jan]
- Training video
- Q&A Session [please enter your questions using the Q&A tab on your Zoom toolbar / top or bottom of your screen]
- Wrap Up

Recent History

2022 will be first year return to “normal” schedule since Pandemic

No testing in 2020

Delayed start in 2021 due to Covid protocols [about two weeks]

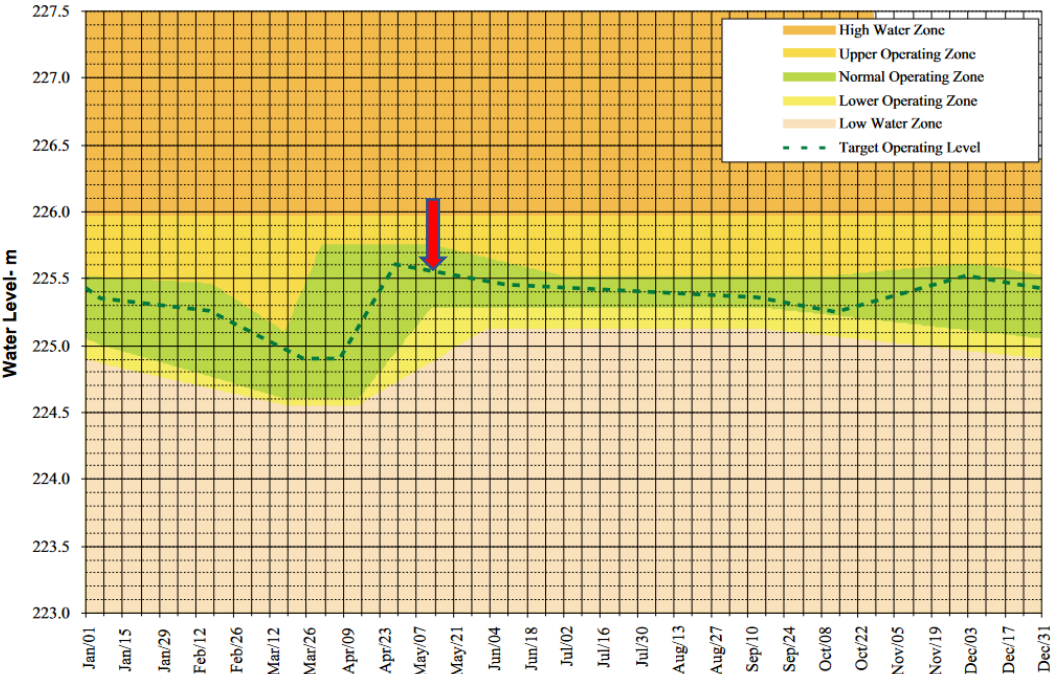
2021 WQ results presented at MLA webinar last week [May 10th]

Small number of Yellow rated sites [half algae; half bacteria] with post rainfall sampling possibly influencing results

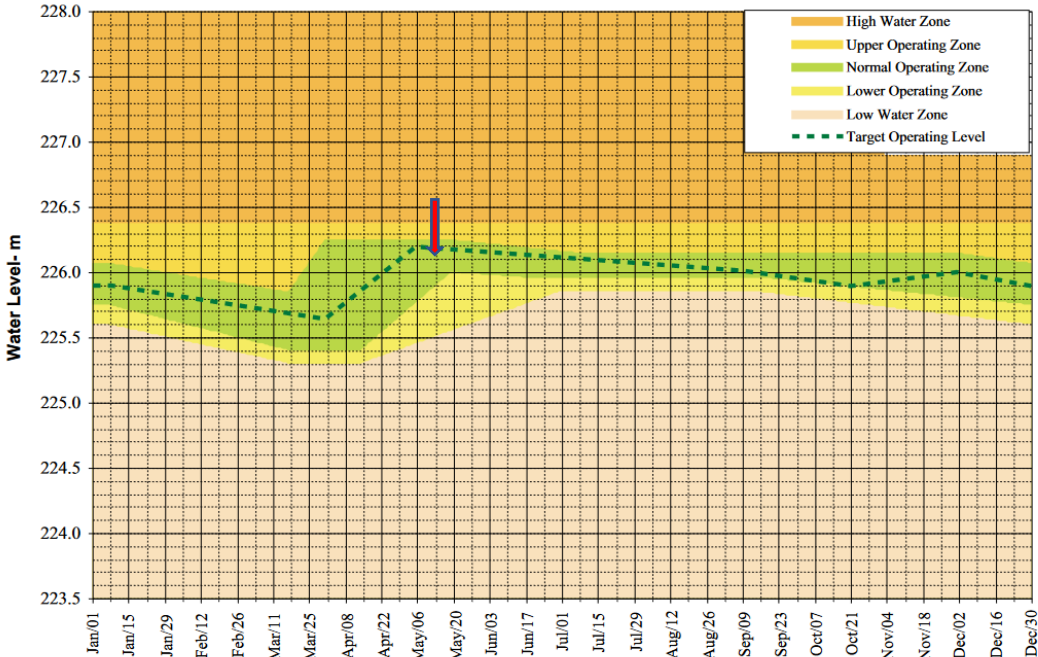
One Red site [WLB] based on long term increasing Phosphorus trend

Water Levels Normal for May 20th Testing

Lake Muskoka



Lakes Rosseau & Joseph









Tweaks to Program

- When to sample to avoid, if possible, rain effects
- Improved notes : rain / size of waves / other observations
- Sampling at Deep Water sites [next slide]

Weekend Weather

Next 7 Days

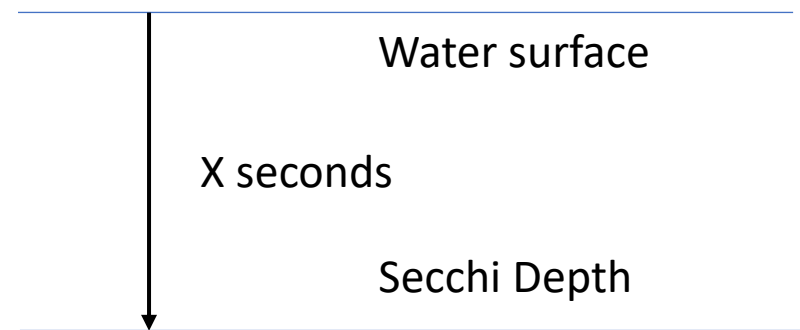


	Fri 05/20	Sat 05/21	Sun 05/22	Mon 05/23	Tue 05/24	Wed 05/25	Thu 05/26
	Light rain	Cloudy with showers	Rain	A mix of sun and clouds	Mainly cloudy	Rain	Cloudy with showers
							
	25°	21°	17°	15°	18°	17°	15°
Feels like	32	23	17	15	17	17	14
Night	15°	14°	5°	5°	10°	11°	10°
POP	90 %	70 %	80 %	30 %	30 %	70 %	60 %
Wind (km/h)	24 s	15 w	16 sw	11 N	10 E	15 E	19 sw
Wind gust (km/h)	36	23	24	17	15	23	29
Hrs Of Sun	2 h	0 h	0 h	8 h	2 h	0 h	0 h
24 Hr Rain	15 - 20 mm	5-10 mm	5-10 mm	-	~5 mm	15 - 20 mm	~1 mm

How to Sample at Deep Water Sites

- [1] hold collection bottle just under lake surface
- [2] time how long it takes for all air to escape/ bottle to fill [x seconds]
- [3] do this once at start of season
- [4] use this time to gauge how fast to lower collection bottle to Secchi Depth

- [5] the intent is to get uniform sample of water column from surface to Secchi Depth
- [6] lower collection bottle to Secchi Depth in x seconds



Play sampling
video





Q & A

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Wrap Up



Plan your sampling time to avoid, if possible, rain



Improve your notes



Time Deep Water sampling to fill bottle by Secchi Depth



Training video will be available on website for future re-viewing



Keep eye out for algae blooms



GPS and photos for new/changed sites



Thank You for Volunteering !!! – Enjoy your summer



WQ volunteer appreciation event Sunday, August 21st pm