



FARLAIN LAKE CONDITIONS UPDATE

Sample Date: August 23, 2022
Next Sample: September 6, 2022
(weather permitting)

Temperature at Surface

24.9°C

Temperatures have increased steadily since mid-June.

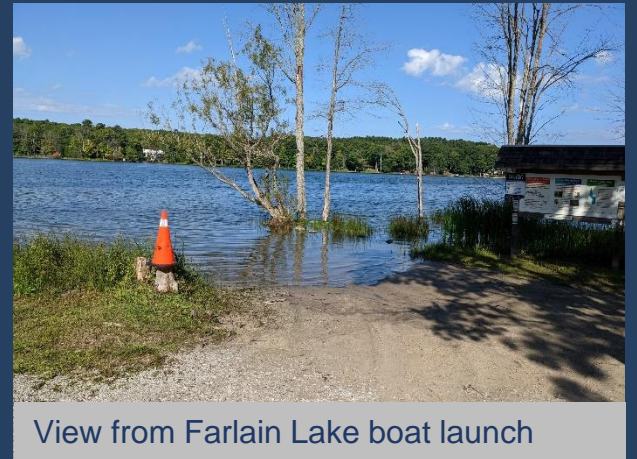
Water Clarity

2.2 m

Lake Depth

4.8 m

Water clarity has decreased steadily since early June, although still meets the swimming safety guideline of 1.2m.



Bottom Water Dissolved Oxygen

8.83 mg/L

This is plenty for cold and warm water fish species.

Farlain Lake Water Level

25 cm

Levels based on the Andrew Dr. gauge have decreased since August 9th.



General Observations

- Bright green water colour
- Some foam on water surface
- No plant material on wafer surface
- Blue-green algae still present at nearshore & sampling site**

Invasive Species

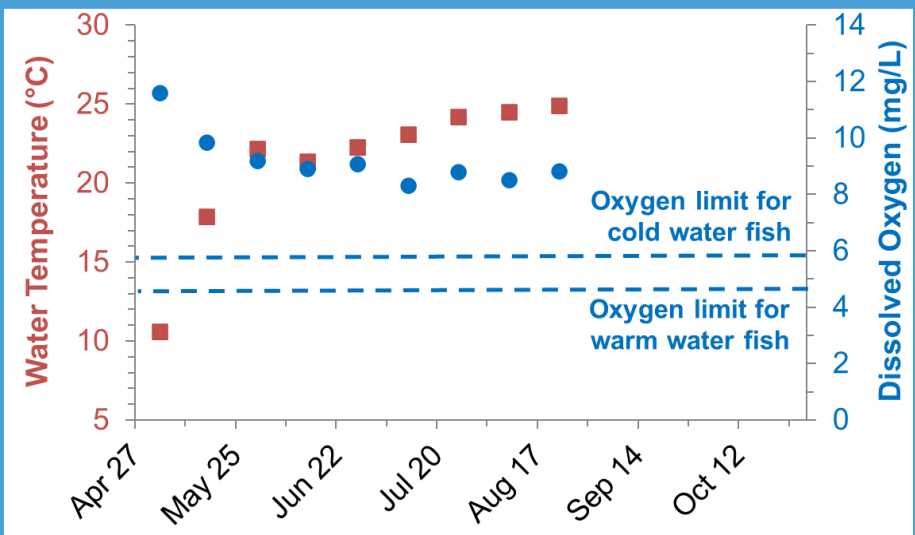
Invasive Species that have not been detected around Farlain Lake but that you should be on the look out for:

- Giant Hogweed** (*Heracleum mantegazzianum*) is a large noxious plant that is a member of the *Carrot* family. This species is often confused with Queen Anne's Lace.
- Can reach up to 5 meters in height with leaves that are up to 1.5 meters wide.
- Do not touch this plant because its sap contains toxins that cause severe burns to skin and eyes when exposed to light.



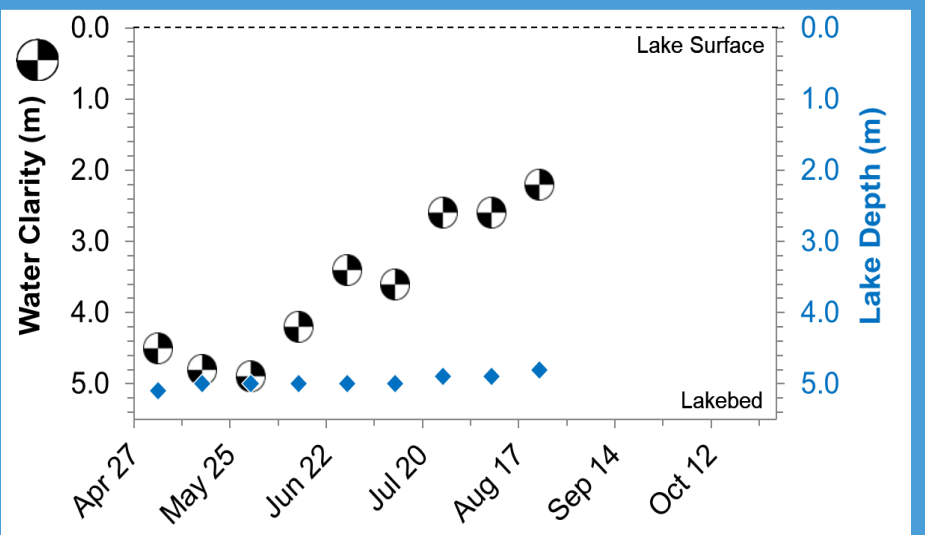
FARLAIN LAKE SEASONAL WATER QUALITY TRENDS

Surface Temperature & Bottom Water Dissolved Oxygen



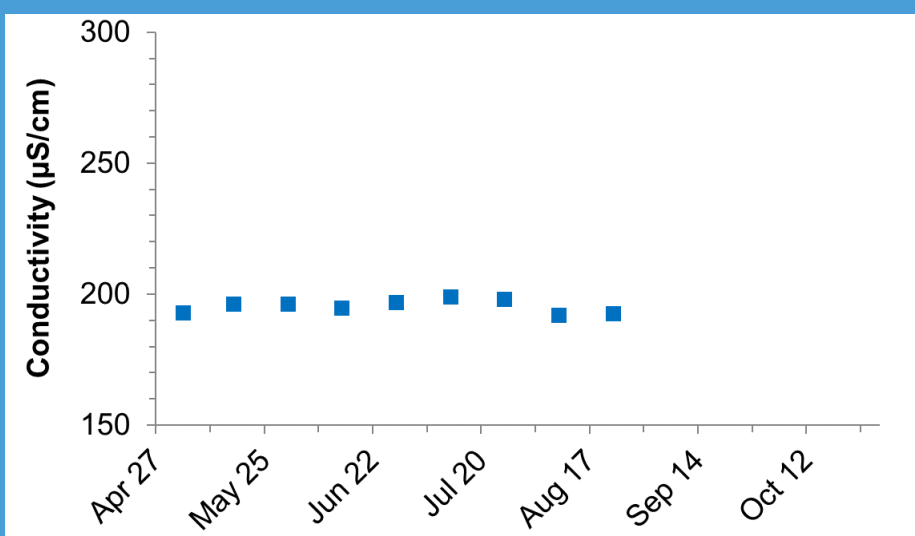
Oxygen levels have remained above the Provincial Water Quality Objectives for cold and warm water fish, despite warming water temperatures.

Water Clarity & Lake Depth



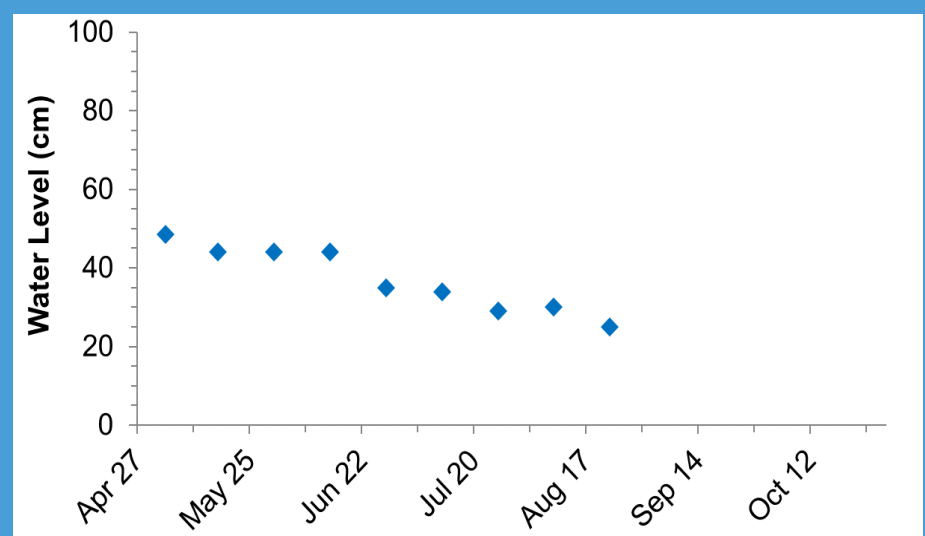
Water clarity is considered excellent if the lakebed is visible, which has not occurred this season. Suspended algae is contributing to low clarity.

Surface Water Conductivity



Conductivity indicates the amount of dissolved material in the water. Value have been consistent over the season so far.

Lake Water Levels at Andrew Dr. Gauge



Farlain Lake water levels are closely linked to recent rainfall. The lake does not have a surface outflow, but rather drains via subsurface flow.