



# 2022 Darlington Nuclear Groundwater Monitoring Program Results

September 2023



**ONTARIO** **POWER**  
GENERATION

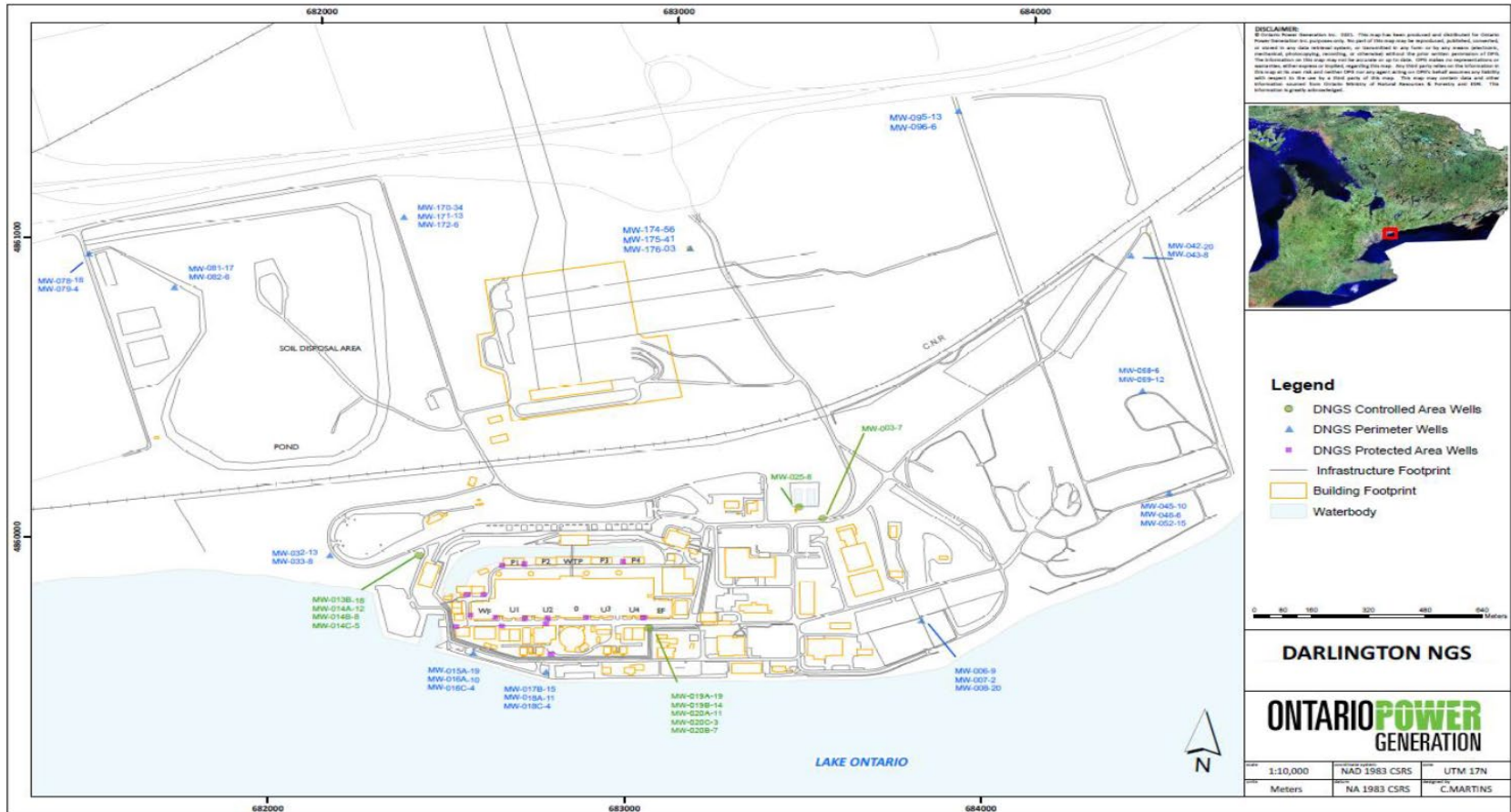
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# Annual Program Objectives

- Verify groundwater flow direction
- Monitor changes to on-site groundwater quality to identify new issues in a timely manner and assess historical issues
- Monitor groundwater quality at the site boundary to confirm there are no off-site impacts



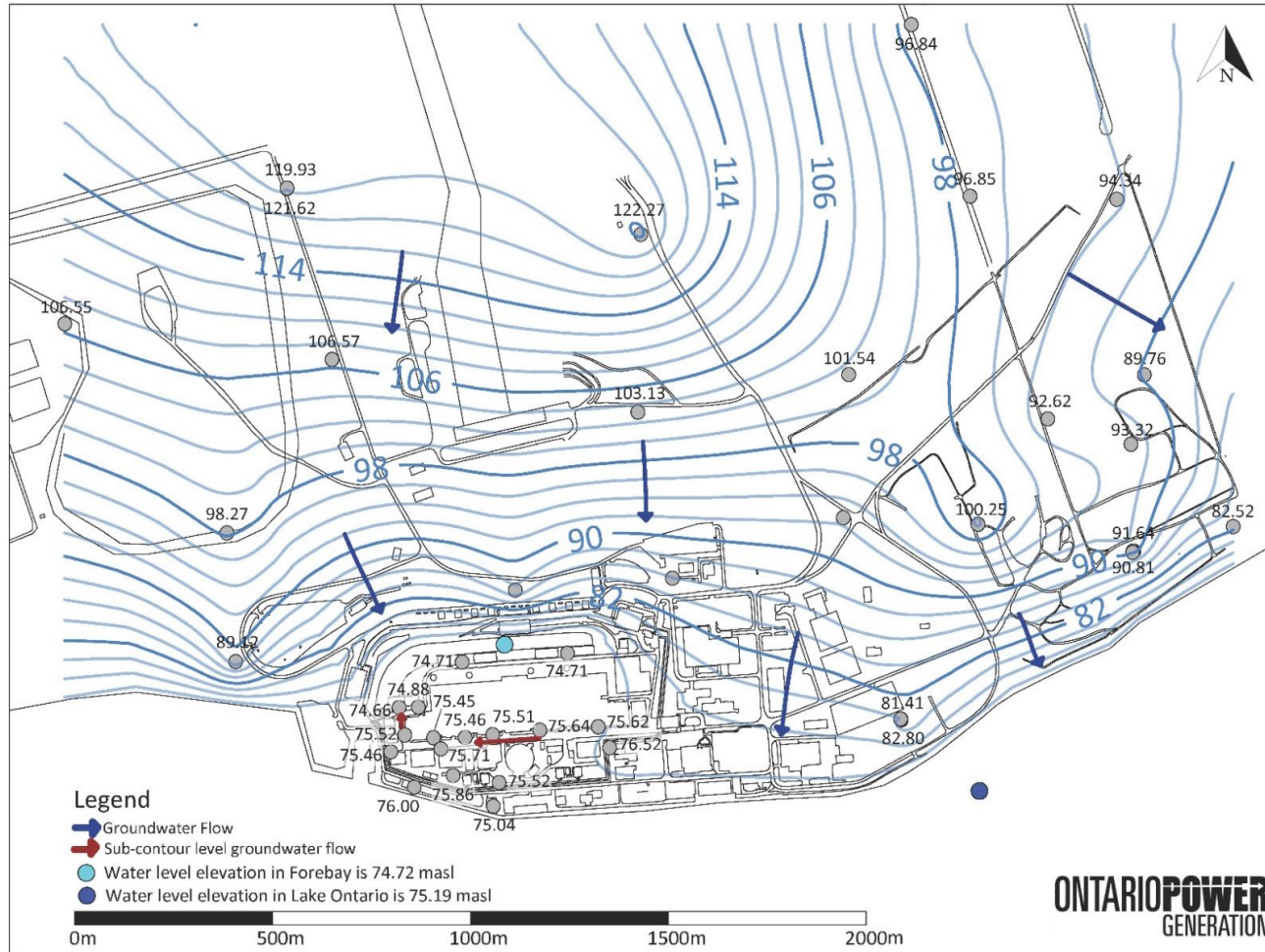
# DN | Program Overview



✓ 79 sampling locations

✓ 170 samples

# DN | Groundwater Flow Direction



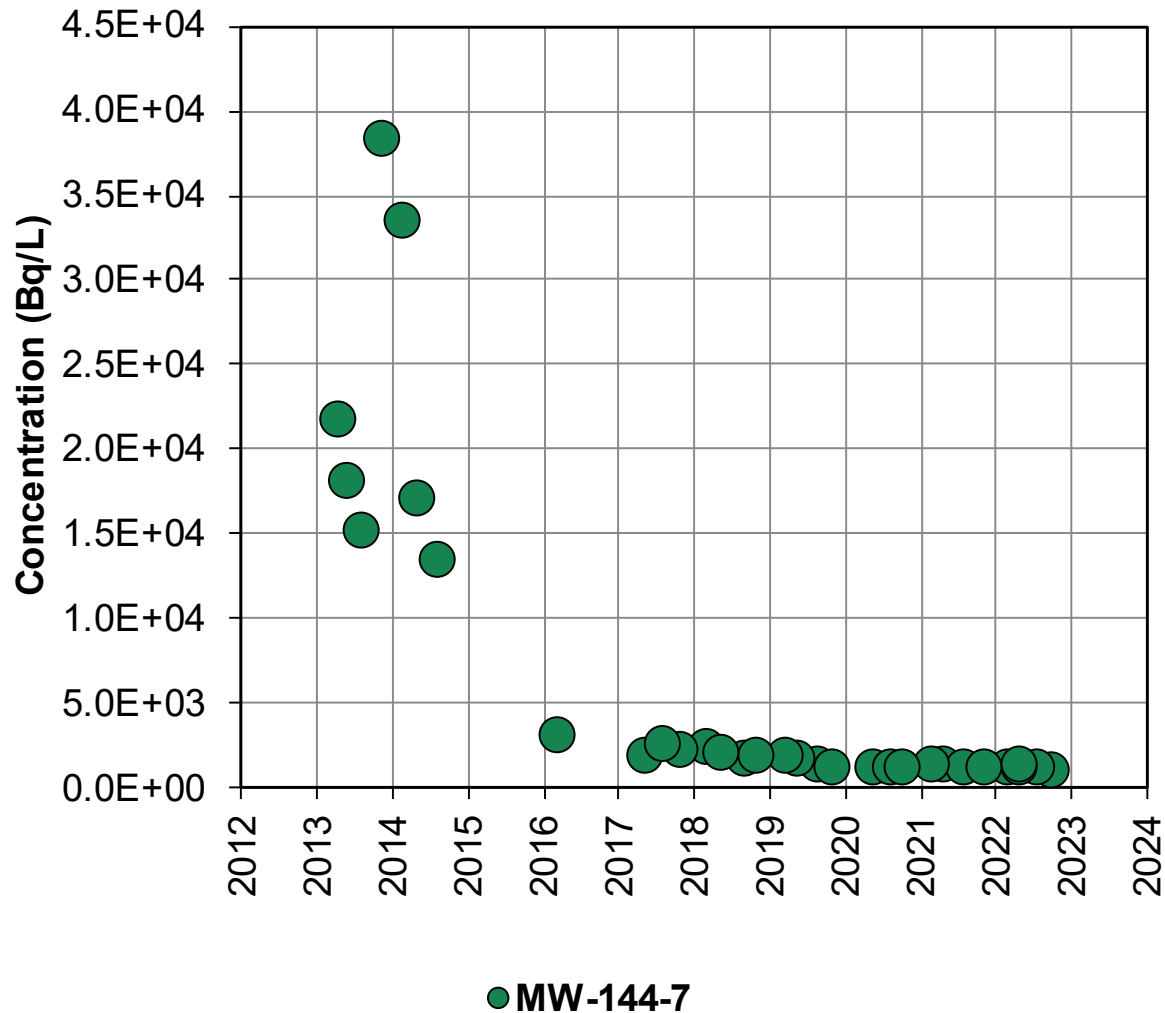
# DN | Groundwater Quality

Reactor Building Area

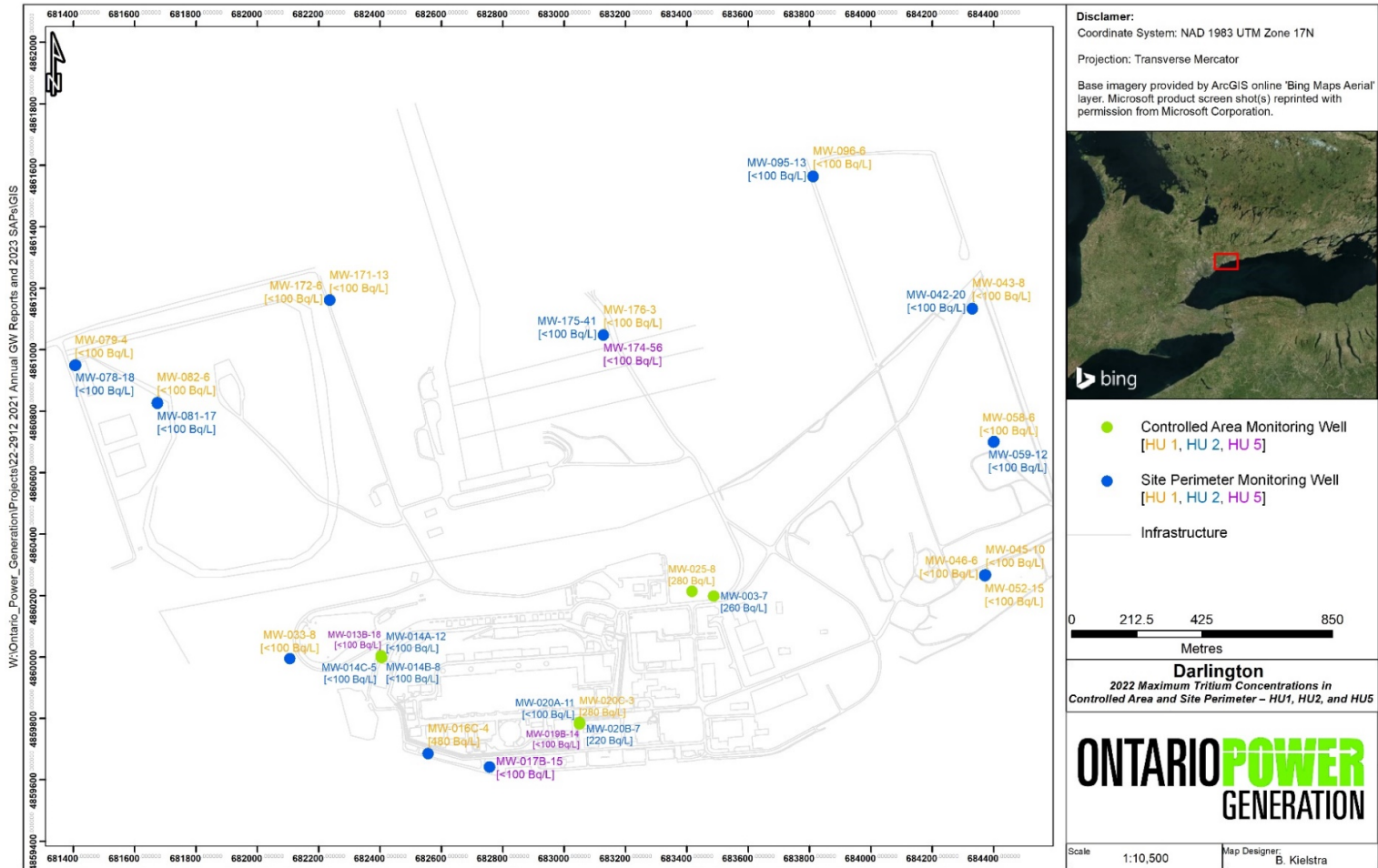


# DN | Groundwater Quality

Reactor Building Area



# DN | Site Boundary Groundwater Quality



## 2022 Summary

- The groundwater flow patterns remains consistent with original interpretations.
- Groundwater data collected from the key areas remained stable, which indicate consistent environmental performance.
- There were no indications of off-site impacts from DN groundwater

**GW Report and GIS Maps are available at [opg.com](https://www.opg.com).**

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Questions ??