



2023 Pickering Nuclear Groundwater Monitoring Program Results

PN Update | September 2024



ONTARIO **POWER**
GENERATION

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



PN | Program Overview

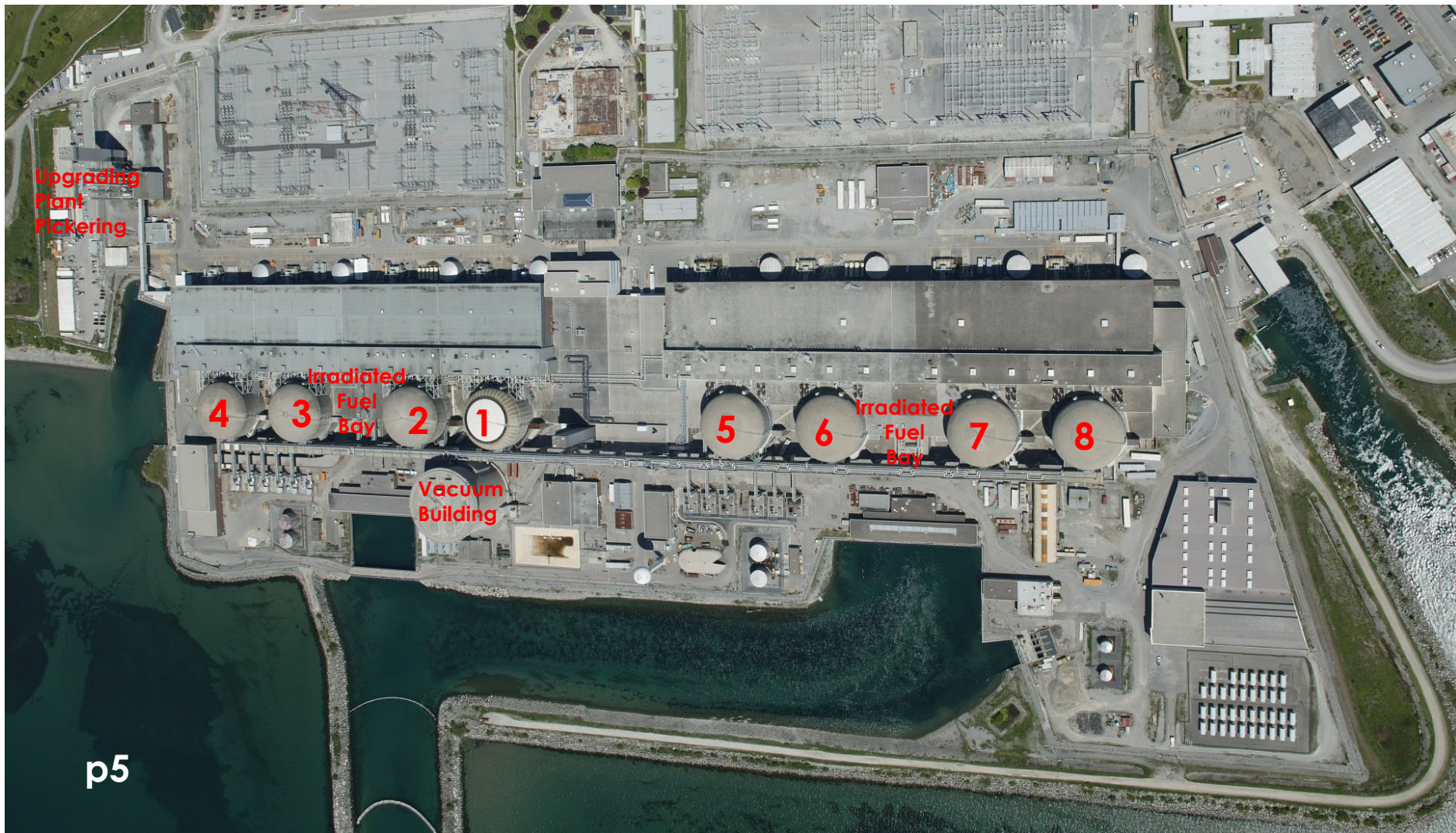


PN | Groundwater Flow Direction



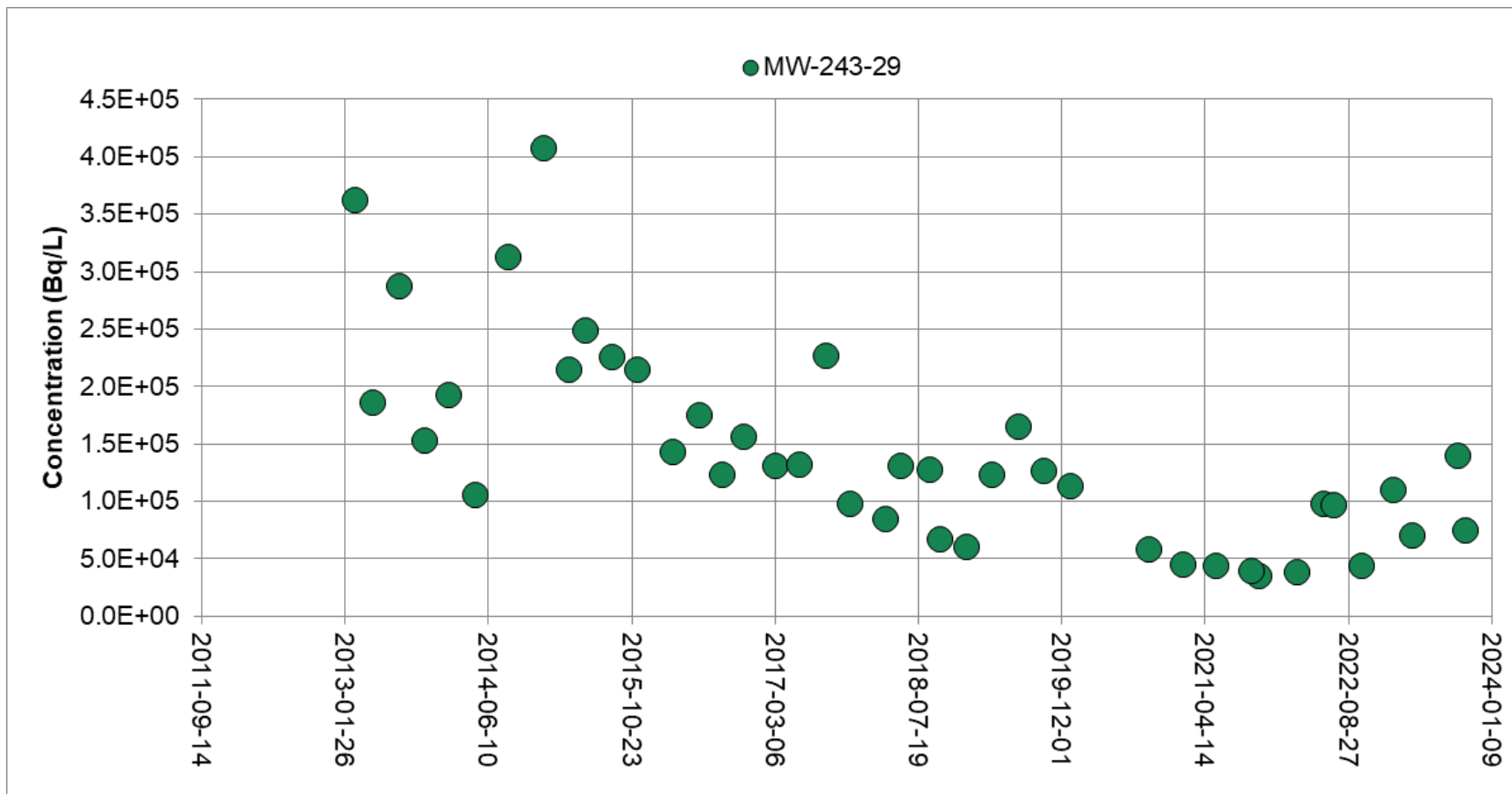
PN | Groundwater Quality

Key Areas Monitored



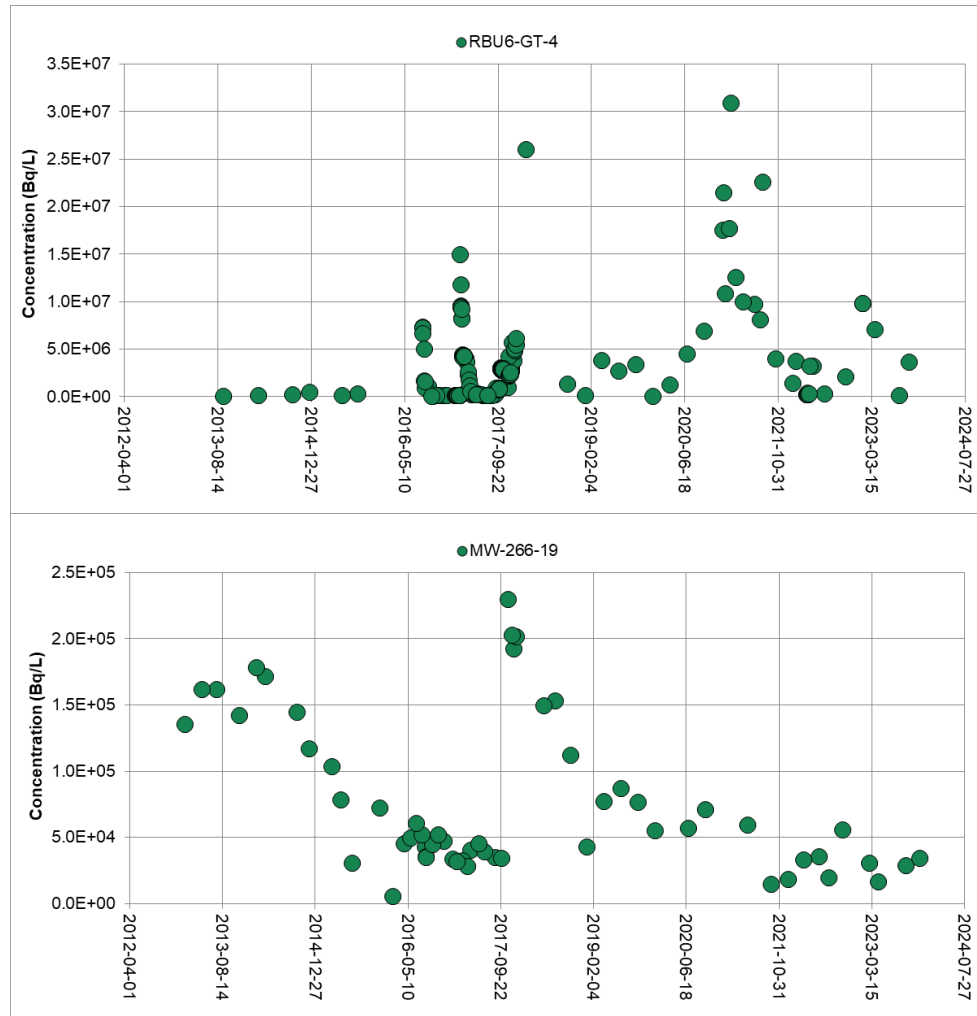
PN | Groundwater Quality

Unit 3 and Unit 4 Areas



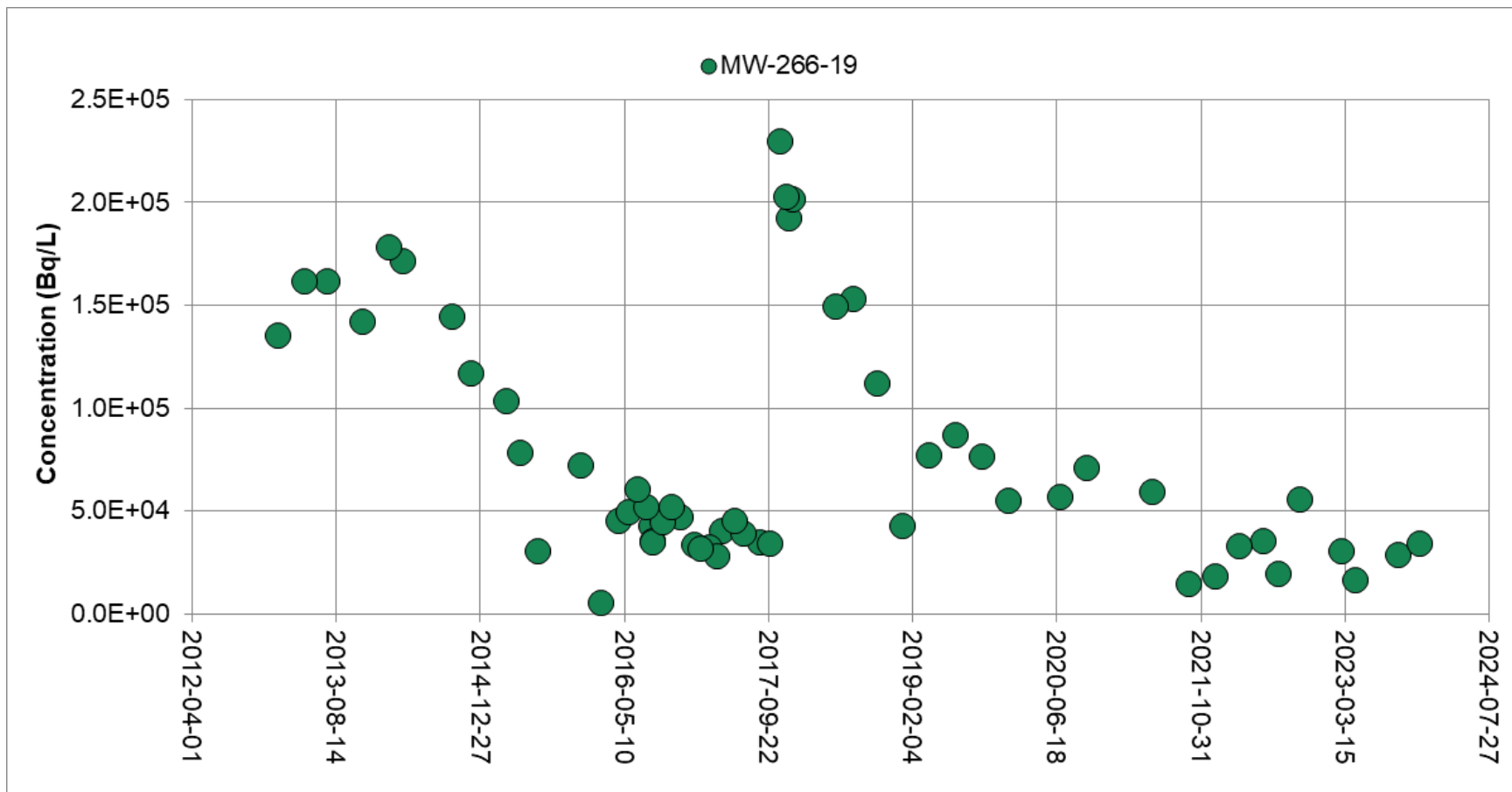
PN | Groundwater Quality

Unit 5 and Unit 6 Areas



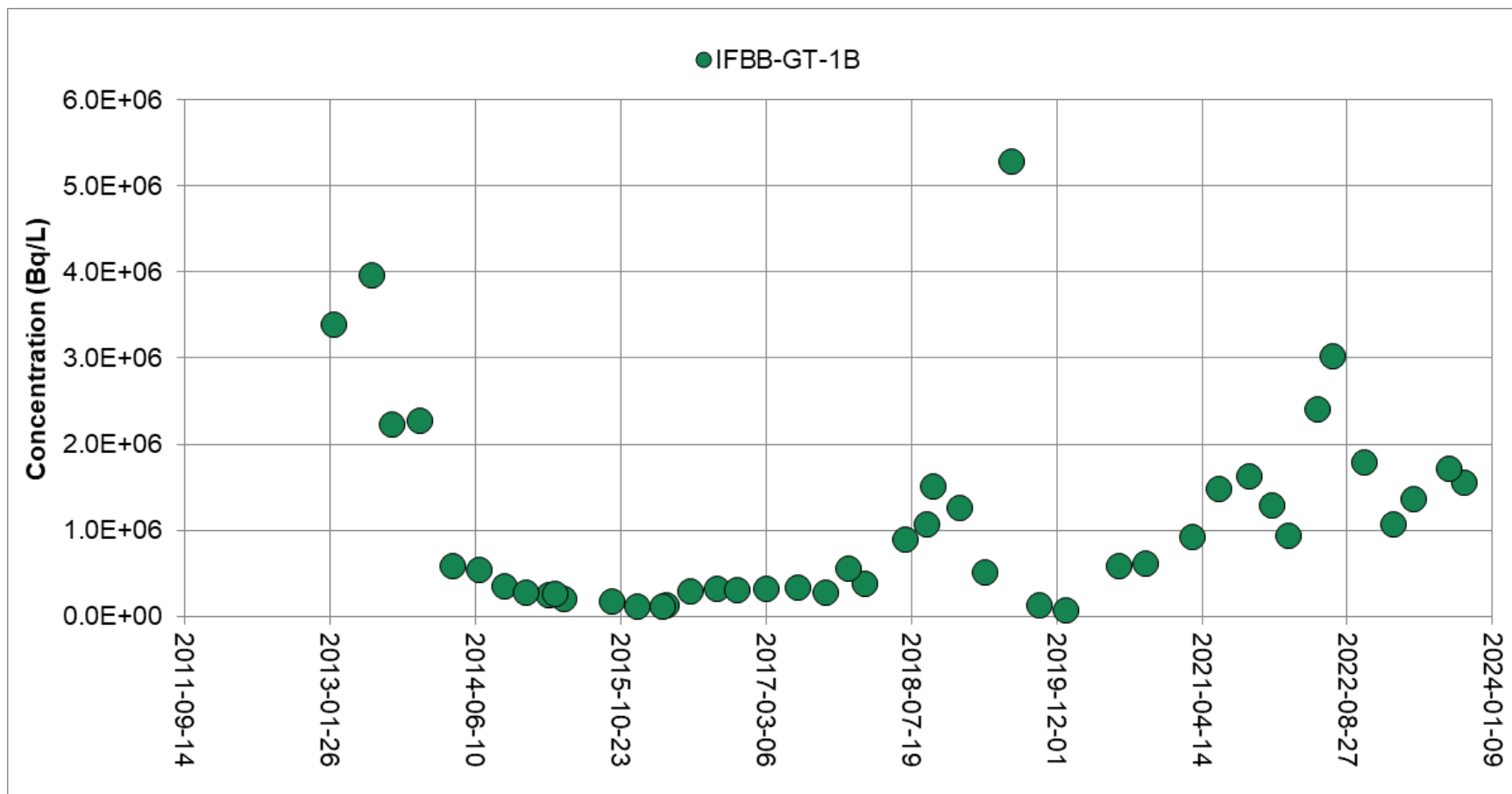
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Unit 5 and Unit 6 Areas



PN | Groundwater Quality

Unit 5 – 8 Irradiated Fuel Bay Area



PN | Site Boundary Groundwater Quality





2023 Summary

- At Pickering Nuclear, the groundwater flow patterns remain 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 PN and DN groundwater

Groundwater reports and GIS Maps are available at [opg.com](https://www.opg.com).



Questions ??