

Project background

Construction on the Frederick House Lake Dam Rehabilitation Project is now underway. The Project will rehabilitate the 85 year-old structure to extend it's operating life and uphold the highest standards of dam and public safety. The project will not involve any changes to the Abitibi River Water Management Plan.

Project work includes:

- Concrete repairs to dam and sluiceway structure;
- Replacement of gains, sills, stop logs;
- Road maintenance to support construction access; and
- Temporary in-water work (eg. Cofferdams)



Work on the Frederick House Lake Dam Rehabilitation Project began in July 2023, and has included road upgrades, work on the dam's south gravity wall and the installation of a tower crane on site.

Project construction now underway

Construction on the Frederick House Lake Dam Rehabilitation Project kicked off in July 2023. Work is progressing on time, with site mobilization, laydown area and improvements to access roads now complete. The project's traffic management

plan has been implemented and includes vehicle identifiers, radios and signage to ensure the safety of the public and project staff.

Work on the dam's south gravity wall is progressing with sheet pile installation now complete and concrete pours ongoing. Work has also been done to ensure that stop logs from sluices 6-9 could be sealed to allow for safe in-water construction activities.

Finally, a tower crane has been installed on site, which will ensure increased productivity and will help with transporting materials across the site, especially during the winter months when a barge may not be feasible. Future activities on site include cofferdam installation, continued road maintenance, and completing concrete rehabilitation work on the dam's south gravity wall.

Project awards first ED&I contract

In August 2023, Blue Heron Environmental was awarded a contract to provide environmental monitoring services to the Frederick House Lake Dam Rehabilitation Project. This marks the Project's first Equity, Diversity and Inclusion

(ED&I) contract. Working with this local, woman-owned business aligns with the goals outlined in OPG's ED&I strategy to accelerate equity, celebrate diversity and foster a culture of inclusion. The ED&I Strategy, published in 2020, includes

initiatives to establish diversity programming through Supply Chain and implement annual spend targets to diverse businesses. The project team is happy to be working with Blue Heron Environmental and is looking forward to what they bring to the team.

Protecting the environment

OPG remains committed to the sustainable management of its sites and projects, including the Frederick House Lake Dam Rehabilitation Project. Prior to the project's commencement, environmental work was completed including surveys of breeding birds, vegetation, insects, reptile searches, acoustic bat monitoring, and aquatic habitat assessments. No species at risk were identified, however in 2021, terrestrial studies

identified a Bald eagle's nest close to site. OPG monitored the nest, as Bald eagles will often reuse their nests. OPG found that the nest was being used repeatedly and in 2022 at least one chick (affectionately named 'Freddie' by project staff) was successfully raised. Since the beginning of construction activities, a restricted zone was applied around the nest to prevent disturbing the area. Recent observations have demonstrated that the Bald eagles are still using the area despite the increased activity on site.

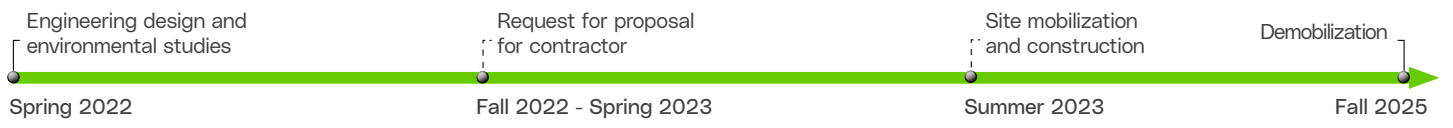


The Bald eagle nest was monitored and in 2022 a chick was successfully raised.



A worker looks through a telescope as part of monitoring a Bald eagle nest in the area.

As raised at previous open houses in the community, OPG and Stuart Olson will be seeking a half-load exemption for the use of the Frederick House Lake Road in the Spring of 2024. This is required to ensure concrete trucks will be able to access the site (approx. 60 loads over a period of several months). The Project team will follow all conditions needed to meet the application's approval, working with the City of Timmins. Please contact Kate Cantin, OPG with any questions.



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