



# **Strutt Lake Aggregate Pits**

## **Reclamation Plan**

**2019**

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## 1.0 Introduction

This Reclamation Plan has been created to outline the reclamation process that will be undertaken upon the legacy borrow locations for the Strutt Lake Aggregate Pits near Strutt Lake, NT.

These are existing borrow locations and there will be minimal clearing of vegetation or land so minimal reclamation will be required.

## 2.0 Site

The Snare Hydroelectric System is located on the Snare River, approximately 145 km northwest of Yellowknife, NT. The facility is operated by NTPC and comprises four power stations in cascade:

- Snare Rapids;
- Snare Falls;
- Snare Cascades, and
- Snare Forks.

Snare Rapids is the most upstream facility followed by Snare Falls, approximately 16 km downstream. The Snare Cascades station is located approximately 3 km downstream of Snare Falls while Snare Forks is located approximately 11 km downstream of Snare Cascades. The four hydroelectric sites and associated facilities are presented in Figure 1.

The Strutt Lake Aggregate Pits are located east of Strutt Lake and are accessed via the Snare all-seasonal access road and winter road across Strutt Lake. Figure 2 illustrates the winter access route, which begins at the crush stockpile near kilometer marker 28 of the Snare all-seasonal access road, crosses Strutt Lake, then extends overland to Pits 1, 2, and 3 (shown on Figure 3).

Approximately 15,000 m<sup>3</sup> of substrate will be excavated from the pits and used for coarse aggregate mix during upgrading of the existing road between Snare Falls and Snare Forks. The location of the pits are shown in Figure 3, several photos of the current condition of the pits are also included as Figures 4-6.



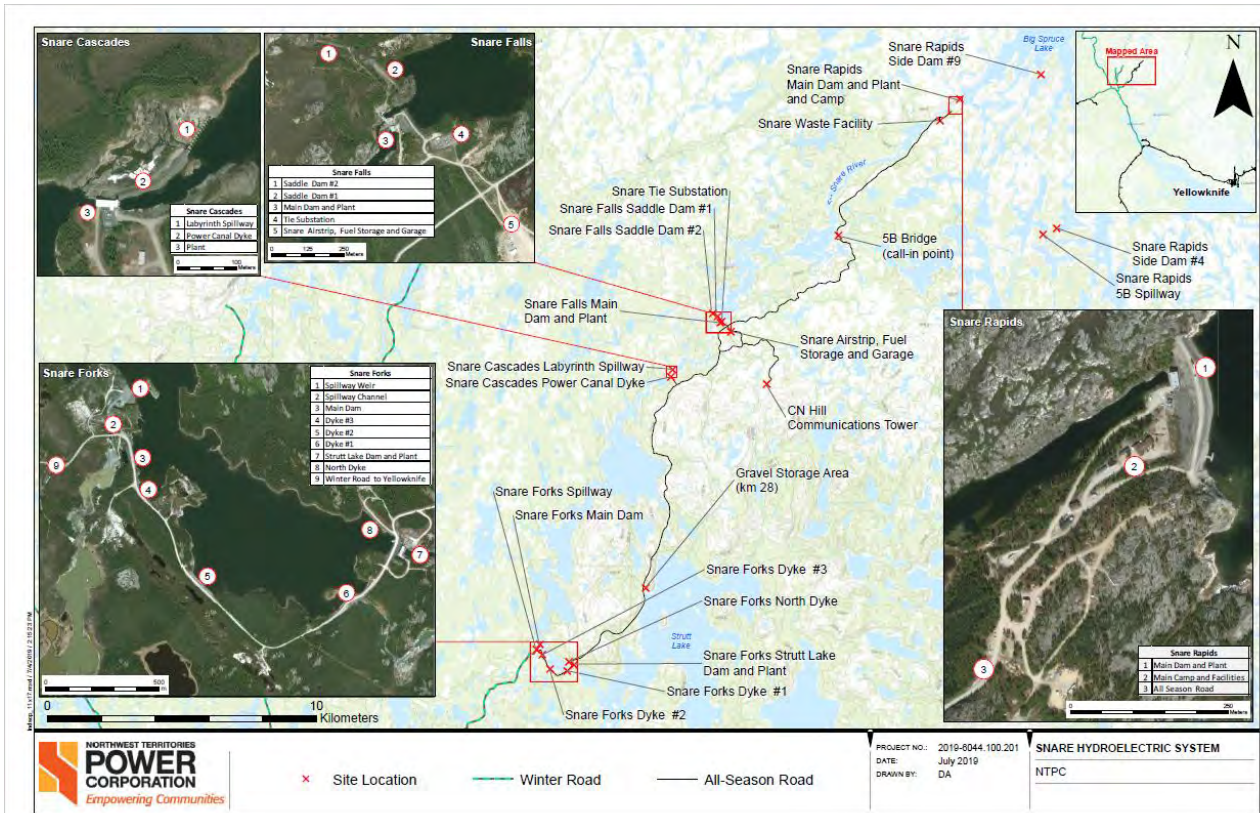


Figure 1: Snare hydroelectric system map.

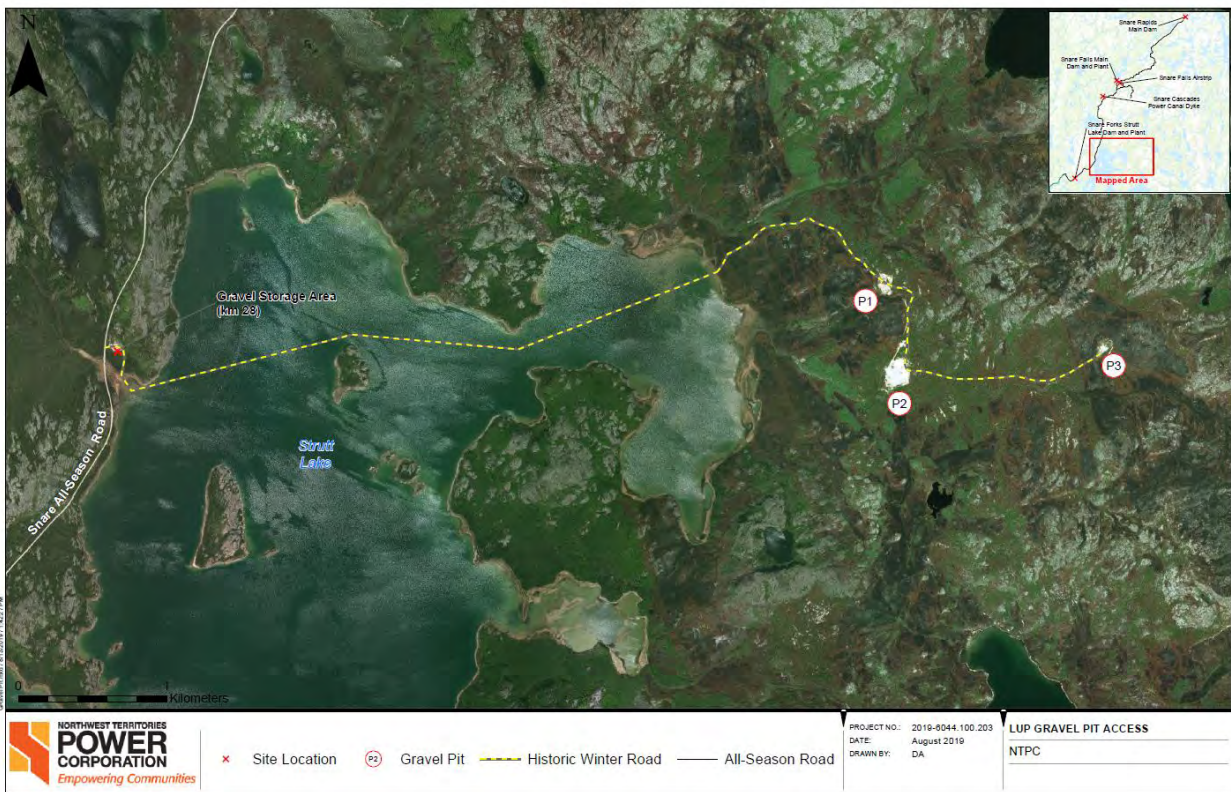


Figure 2. Map showing winter access route to Strutt Lake Aggregate Pits 1-3.





Figure 3. Overland winter access road showing the locations of Pit 1-3.





Figure 4. Aerial view of Strutt Lake Aggregate Pit 1.



Figure 5. Aerial view of Strutt Lake Aggregate Pit 2.



Figure 6. Aerial view of Strutt Aggregate Pit 3 area.

### 3.0 Reclamation

This is a legacy location and abandonment is unlikely. The Strutt Lake Aggregate Pits are still a useful reserve of valuable aggregates to the Northwest Territories Power Corporation to maintain various infrastructure for the Snare Hydro Facility.

If closure is required, the following steps will be taken for abandonment and reclamation:

1. **Dismantle and transport all fuel/chemical storage and handling infrastructure to an approved facility or for reuse where applicable-** Any fuel storage on site at the time of reclamation will be dismantled and moved to an approved facility or reused at another location on the Snare site if possible.
2. **Dismantle and remove all buildings and related infrastructure-** There are currently no buildings or infrastructure on site. Any buildings or infrastructure on site at time of reclamation will be dismantled and moved to an approved facility, or reused at another location.
3. **Remove all hazardous waste and explosives-** No hazardous waste or explosives are currently on site and it will be ensured that none are on site at the time of reclamation.
4. **If necessary regrading will be completed to ensure slopes are stable in the area-** All slopes from any excavations will be graded to ensure stability.
5. **If necessary regrading will be completed to ensure there are no drainage issues in the area-** There are no current drainage issues and it is not likely that this will be required but if there are drainage issues such as ponding water or washout areas regrading will be completed to ensure proper drainage is present throughout the site.