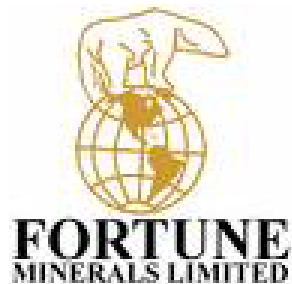

Fortune Minerals – NICO Project

Closure and Reclamation





Closure and Reclamation Development Stages



1.

- **Conceptual**

- Plan was developed as part of the DAR

2.

- **Preliminary**

- Completed at the detailed design phase of the Project

3.

- **Interim**

- Plan is revisited every 5 years through Operations

4.

- **Final**

- Plan is ready for mine Closure

❖ **The Plan will be a living document which will evolve over time**



Closure and Reclamation Objectives



Fortune's Key Objective:

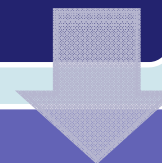
To release the property in a manner that is safe for wildlife, aquatic, and human health



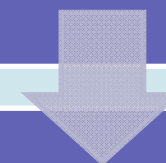
Key Closure Components



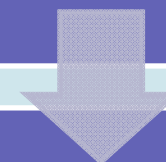
- Co-Disposal Facility



- Flooded Open Pit



- Constructed Wetland Treatment System



- Other Project Infrastructure – Site Buildings and Roads



Co-Disposal Facility



Co-Disposal Facility (CDF)

Grading

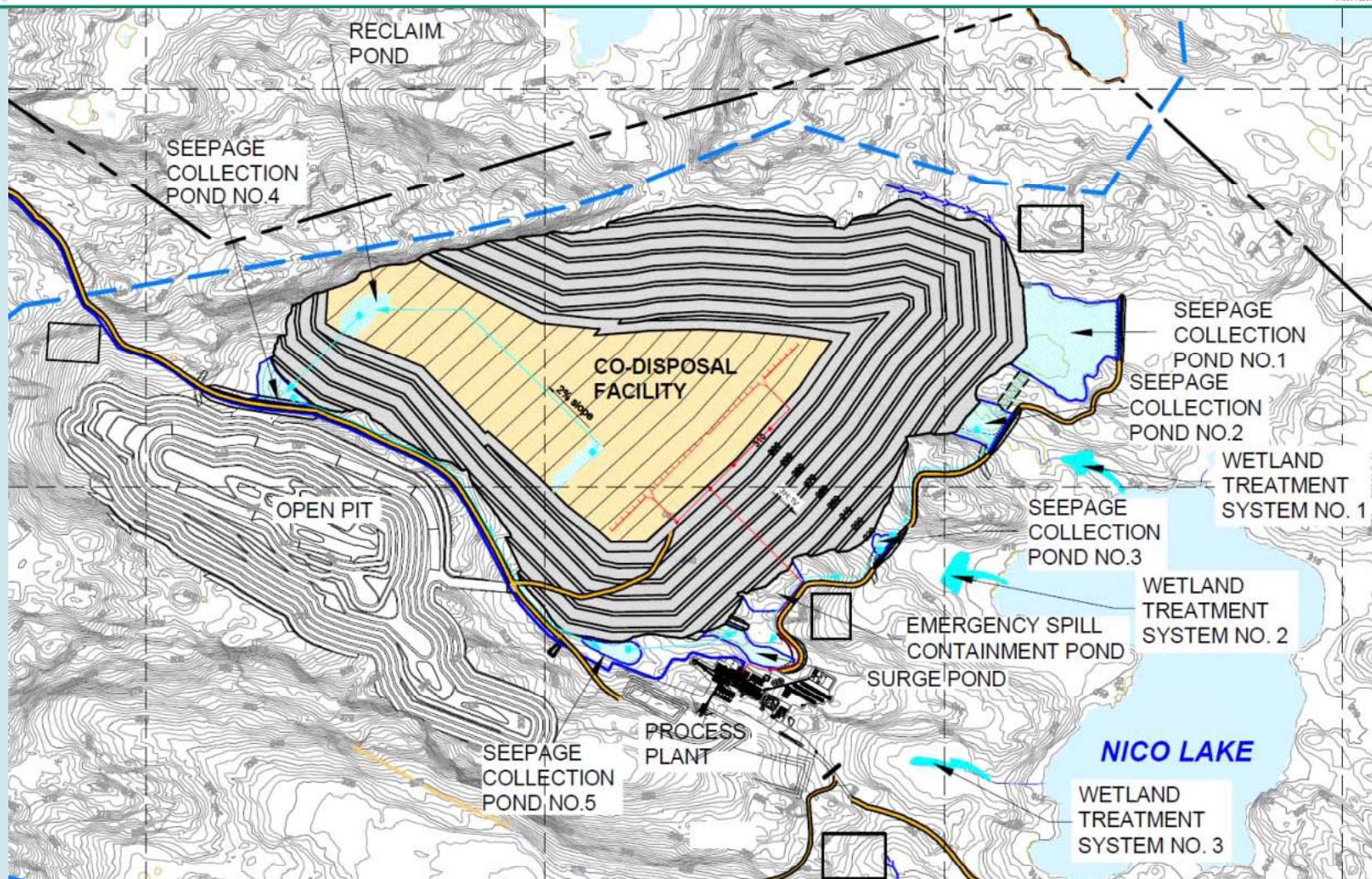
Closure Covers

Runoff Water

Collection and Management of Seepage Water



Co-Disposal Facility





Co-Disposal Facility Cover



Will be placed
over portion of
the surface

Use locally
available glacial
till

Minimize wind
and water
erosion

Limit infiltration
of rain water

Provide adequate
store and release
capacity



Constructed Wetland Treatment System (CWTS)



Phase I: Indoor Pilot CWST - Build to test various methods of metals removal from water and associated sedimentation rates using influent water made to simulate the runoff expected at the NICO mine site after closure

Phase II: Outdoor Pilot CWTS - Build to validate the designs optimized indoors. The outdoor pilot CWTS will be located adjacent to CSL's laboratory and greenhouse facilities in Saskatoon, Saskatchewan

Phase III: Demonstration-scale CWTS: Design, build, and monitor at the NICO mine site at the beginning of operations.

Phase IV: Full-scale CWTS: Design, build, and monitor early in the operations period as feasible to demonstrate the effectiveness of the CWTS at the NICO Project site.



Early Operations

Initiate the indoor and outdoor pilot scale CWTS during the construction phase.

The demonstration CWTS would be built in the first or second year of operations and would use waters taken directly from the SCPs at the base of the CDF.

Once performance of the demonstration scale CWTS has been verified over a number of years, plans would be made to build the full-scale version.



Open Pit Flooding



Initial Closure Plan:

- Open pit would passively fill in 120 years

Current Proposed Closure Plan

- **Actively fill the open pit with water from Marian River in approximately 12 years according to DFO Guidelines**



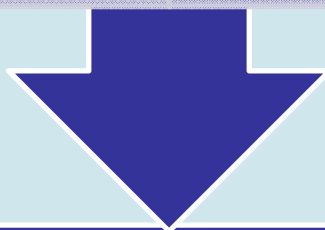
Open Pit Flooding



Early Closure

~ 12 years of active pumping (during the summer) would be required to achieve overflow

Pump for ~10 summers (over a 12 year period) and then pause to allow time for the water to settle and to test the water quality

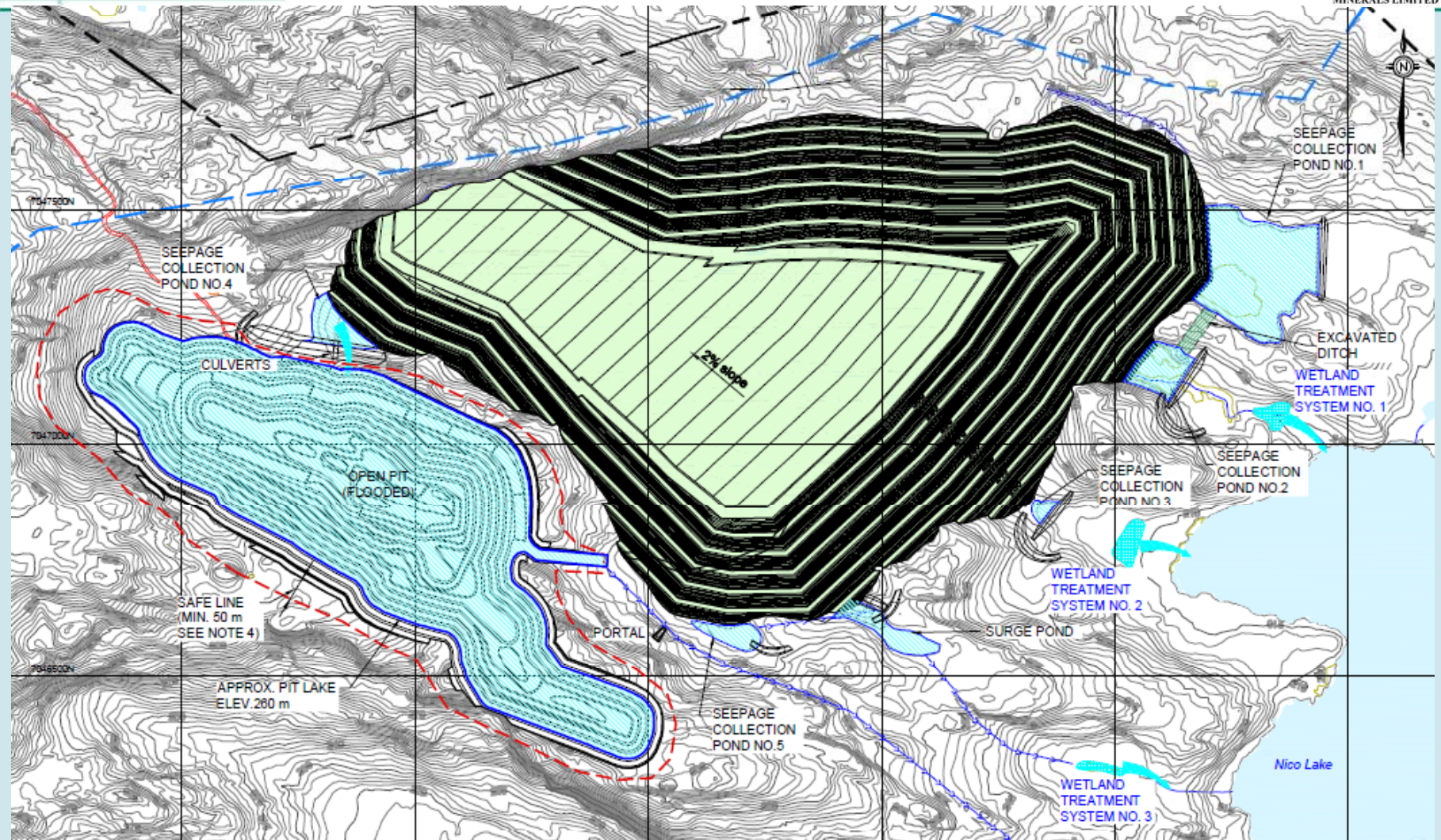


Closure

In-pit treatment is a contingency that will be examined if water in the open pit requires treatment

If in-pit treatment works, a second CWTS will not be required. If water quality is unsuitable for direct discharge, a second CWTS will be built

CDF Covered and Open Pit Flooded





Likelihood of Risks



Fortune is confident that the CDF:

- seepage/runoff water quality will be in the range predicted.
- cover will perform as expected based on detailed design and case histories.

Contango and Fortune are confident that the Constructed Wetland Treatment System will be effective for meeting Site-specific Water Quality Objectives, based on past experience and proposed methods.

Fortune is confident that adverse effects on receptors are not likely to occur in Nico, Peanut, and Burke lakes and the Marian River with the current closure plan. The inclusion of CWTS provides an added measure of assurance that adverse effects on surface waters from the open pit will not occur during closure and post-closure.



General Demolition and Disposal Procedures:

Site Infrastructure
will be removed

NICO Project
Access Road



Closure and Reclamation Monitoring



Involve Tłıchǫ People

Fortune will involve Tłıchǫ people in the determination of vegetation cover for the CDF

Incorporate Traditional Knowledge

Traditional knowledge will be incorporated into the closure planning as the NICO Project moves into operations

Monitoring of Progressive Reclamation

Progressive reclamation will be carried out. This will form an important part of the development and refinement of reclamation techniques



Closure and Reclamation



The Conceptual Closure and Reclamation Plan will:

- be a living document
- evolve over time
- align with the local cultural and traditional values