



SEAPA Board of Directors Meeting

**Project Manager Report
Ketchikan, Alaska
March 26, 2026**



Report Overview

Federal Energy Regulatory Commission (FERC) Related Activities:

- Swan Lake Dam Stability Analyses
- Tyee 3rd Turbine FERC Capacity License Amendment
- Swan Lake FERC Relicensing
- Tyee Lake FERC Relicensing
- Swan and Tyee License Amendments – Project Boundary Reduction
- 2025 DSSMR

Project Related Activities:

- Roadway Embankment Reconstruction
- Cleveland Peninsula Helipad Project
- Swan Lake Control Room Renovations
- Swan Lake Unit #1 Assessment and Uprate Study



Swan Lake Dam Stability Analyses



- Update structural stability analysis to include Joint Set D
- Expected outcome is a more accurate abutment structural analysis, remaining within acceptable Factors of Safety
- Work completed now will help with future regulatory requirements.

Progress

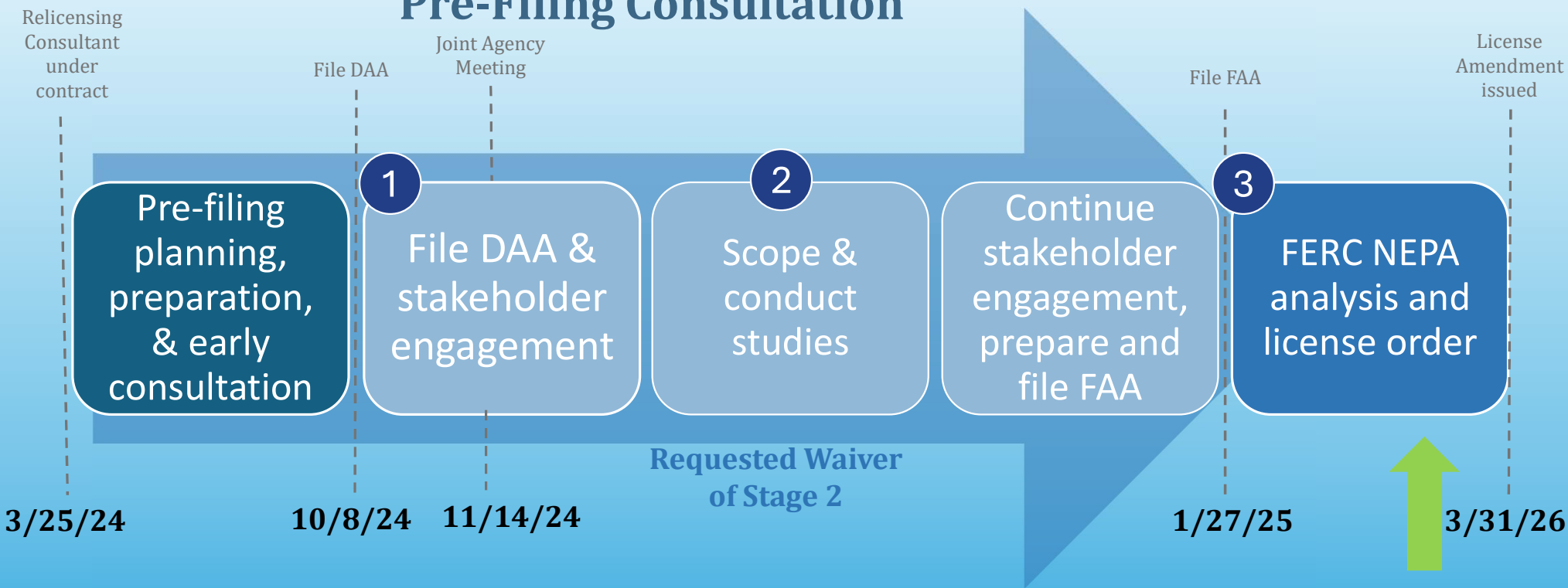


- Included in Proposed 2026 Budget
- Schnabel Engineering Under Contract
- Draft Report Due in May 2026
- Final Report June 2026.
- Expected outcome is a more accurate abutment structural analysis, remaining within acceptable Factors of Safety

Tye 3rd Turbine License Amendment Process



Pre-Filing Consultation



DAA = Draft Amendment Application
FAA = Final Amendment Application
NEPA = National Environmental Policy Act

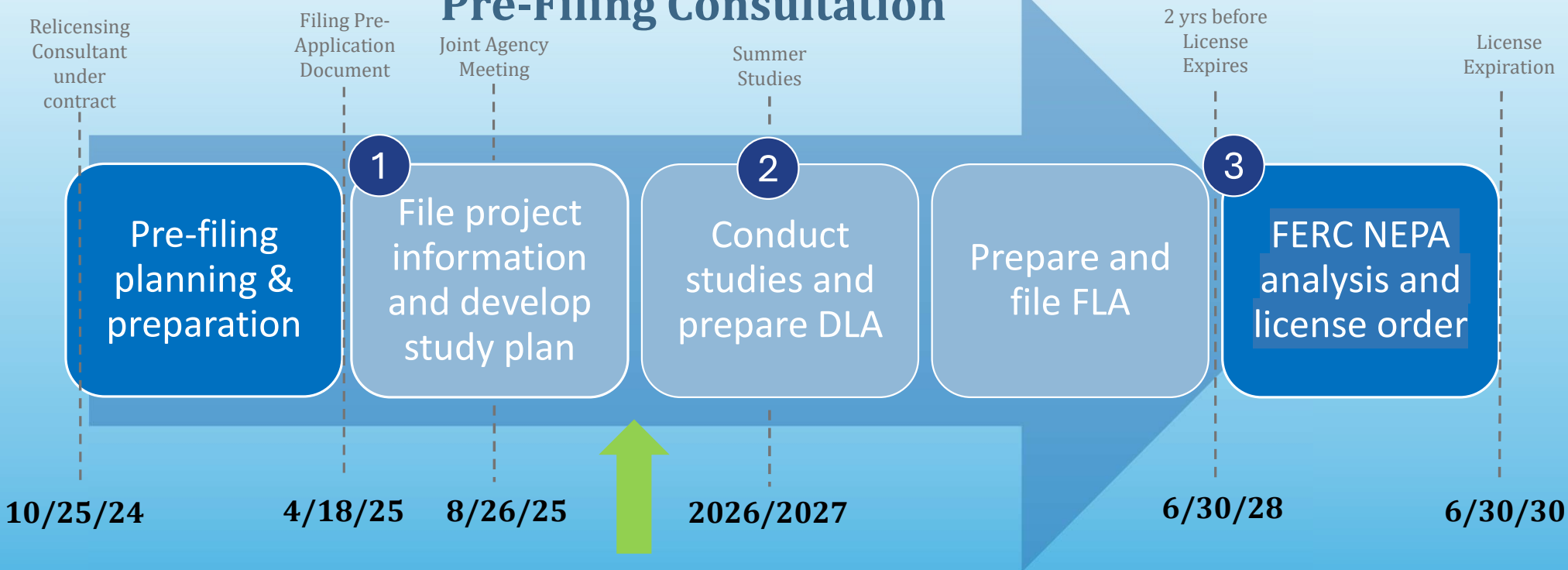
Swan Lake
FERC
Relicensing



Relicensing Process



Pre-Filing Consultation



Dates above apply to Swan Lake license.
Tye Lake would follow the same process about 1 year later.

DLA = Draft License Application
FLA = Final License Application
NEPA = National Environmental Policy Act

Studies - 2026

BOTANICAL STUDY PLAN

SWAN LAKE HYDROELECTRIC PROJECT

FERC No. 2911



WETLANDS SURVEY STUDY PLAN

SWAN LAKE HYDROELECTRIC PROJECT

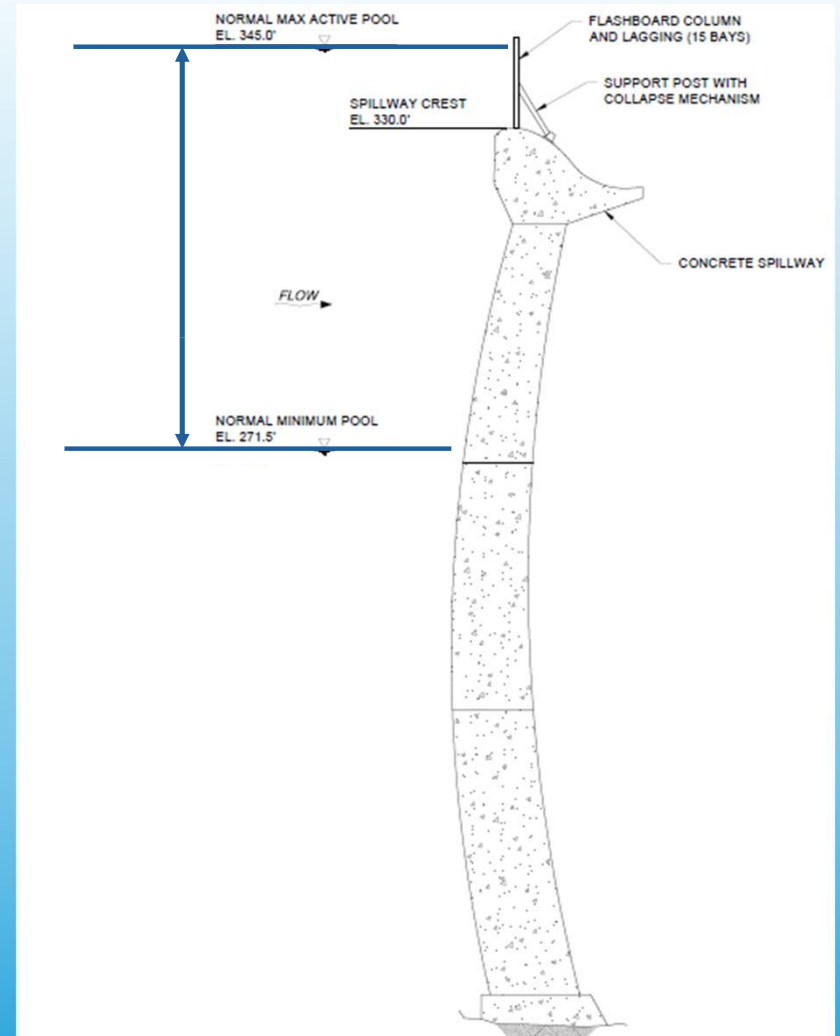


Forested wetland along Lost Creek

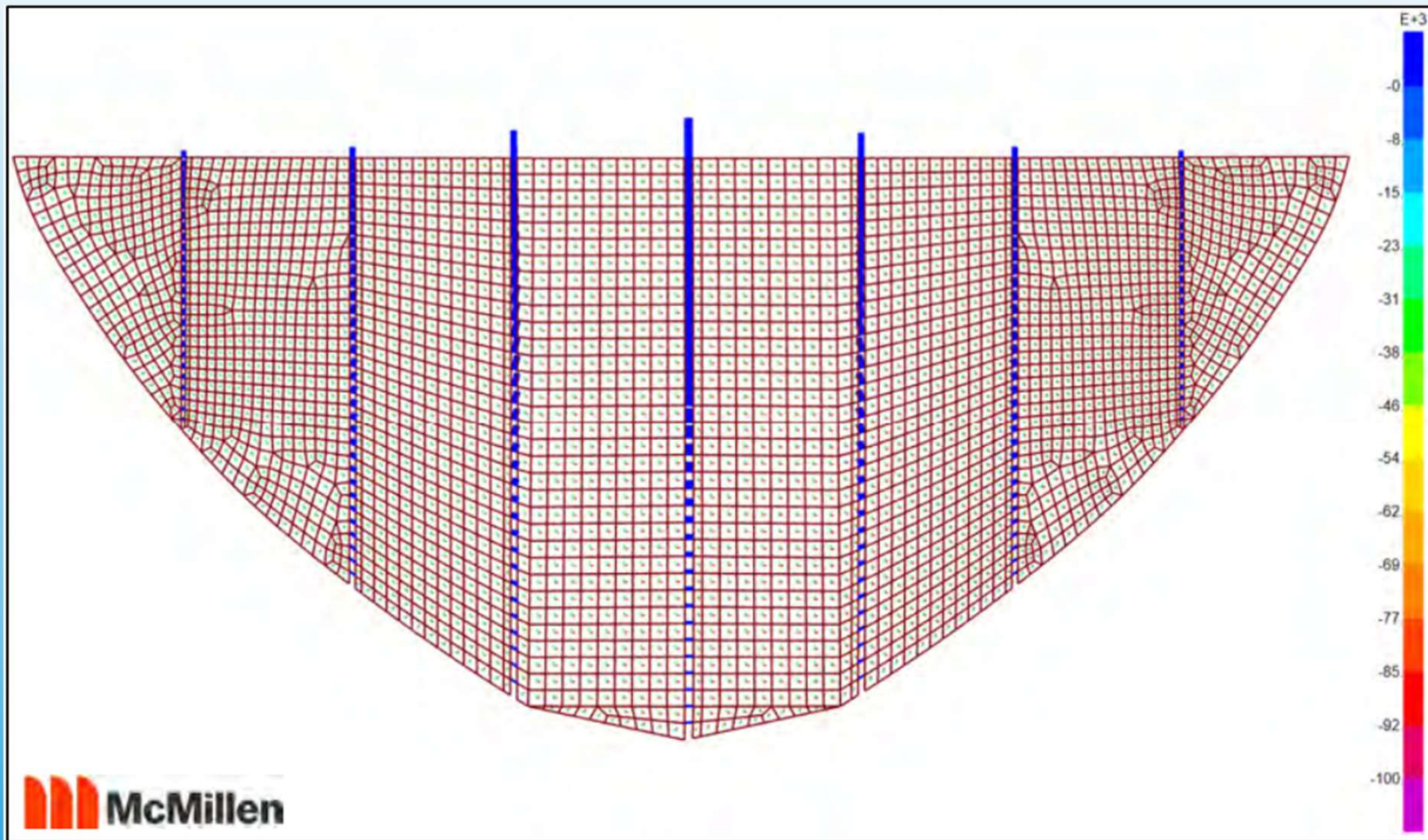


Emergent wetland along southeastern shore

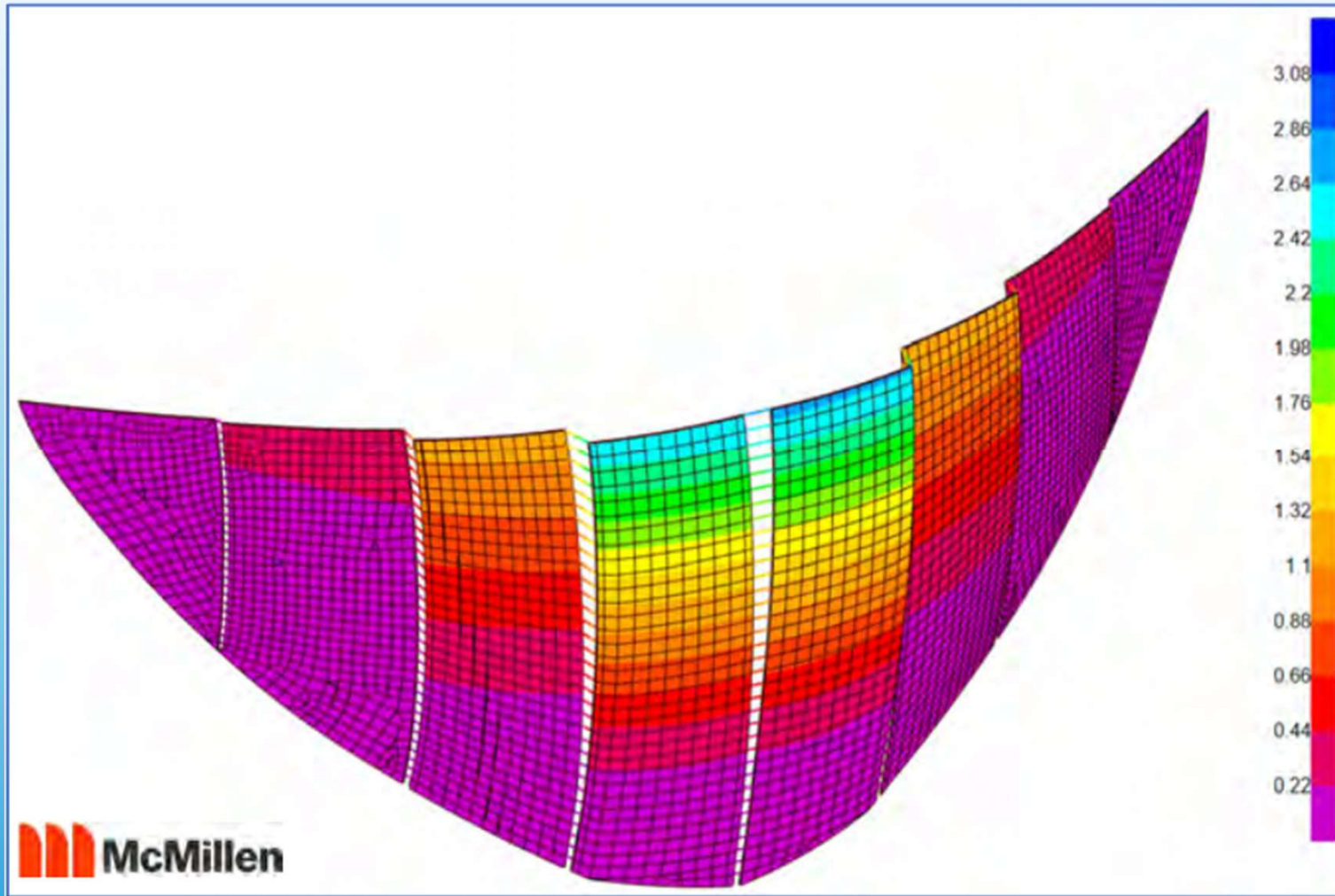
Lowering Draft Limit



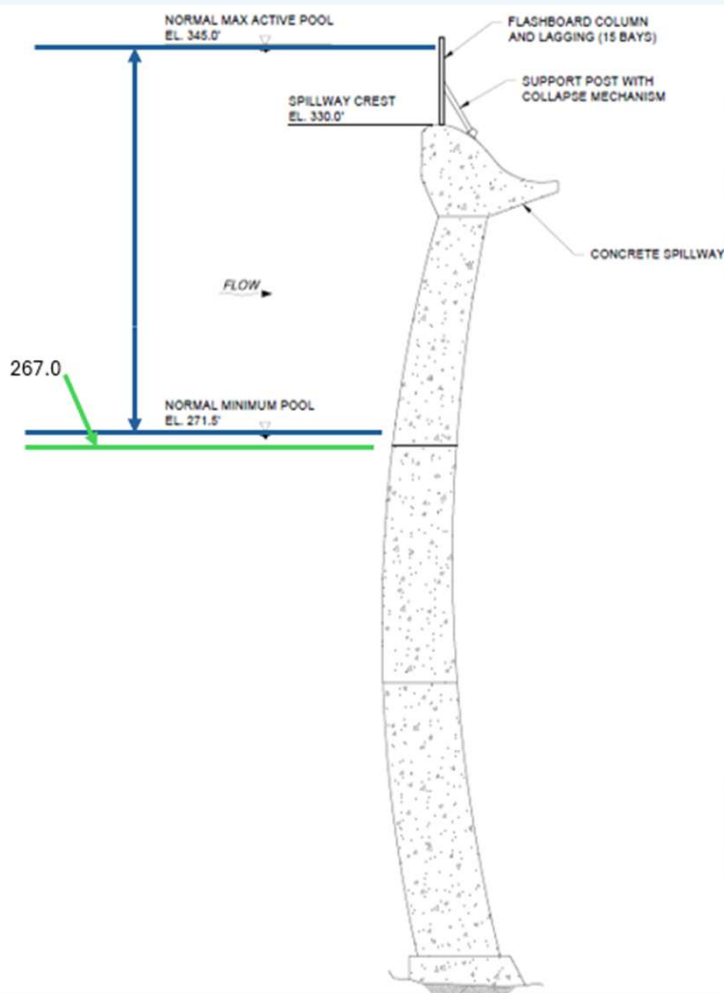
Lowering Draft Limit - Structural Analysis



Lowering Draft Limit



Lowering Draft Limit Conclusions



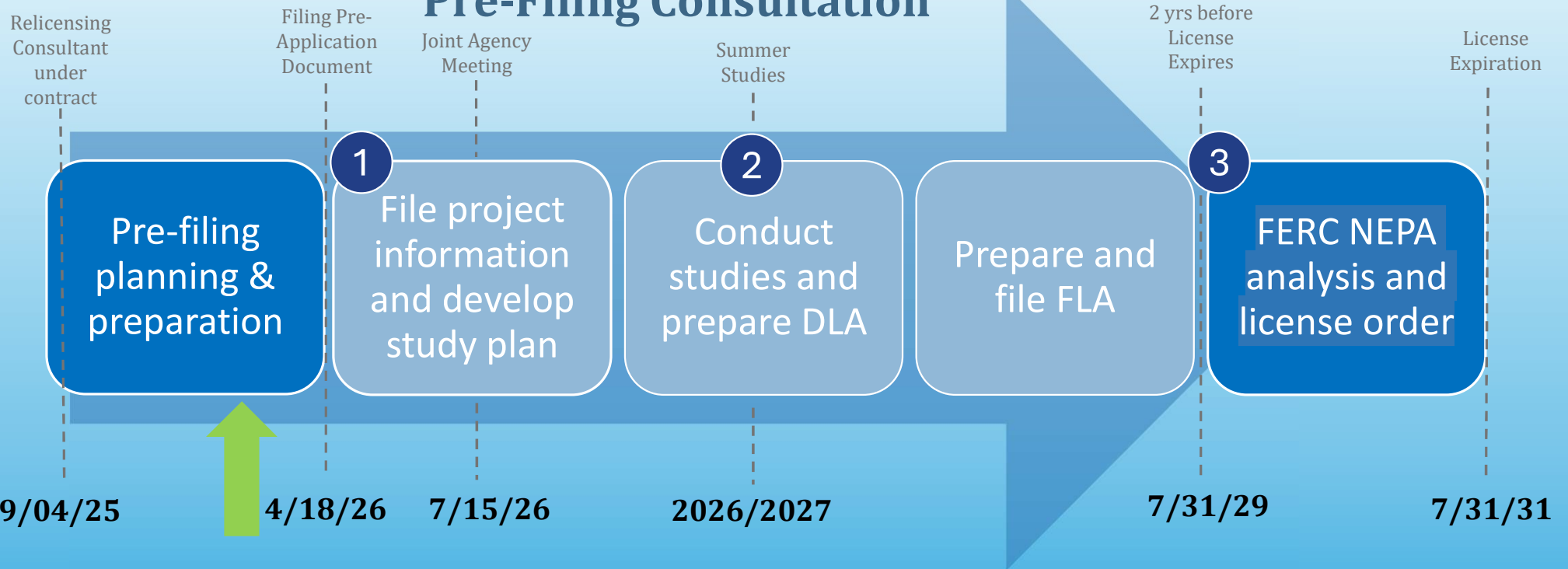
- Structurally, lowering Draft Limit 4' Possible
- Uncertainties
 - Full Scale Test Results?
 - Intake Vortex?
 - FERC?
 - Impact on Relicensing?
- Flashboards Add Complexity
- 700 MWh Potential = \$100,000
- Study Cost: Approx. \$350,000



Tyee Relicensing Process



Pre-Filing Consultation



DLA = Draft License Application
FLA = Final License Application
NEPA = National Environmental Policy Act

Studies - 2026

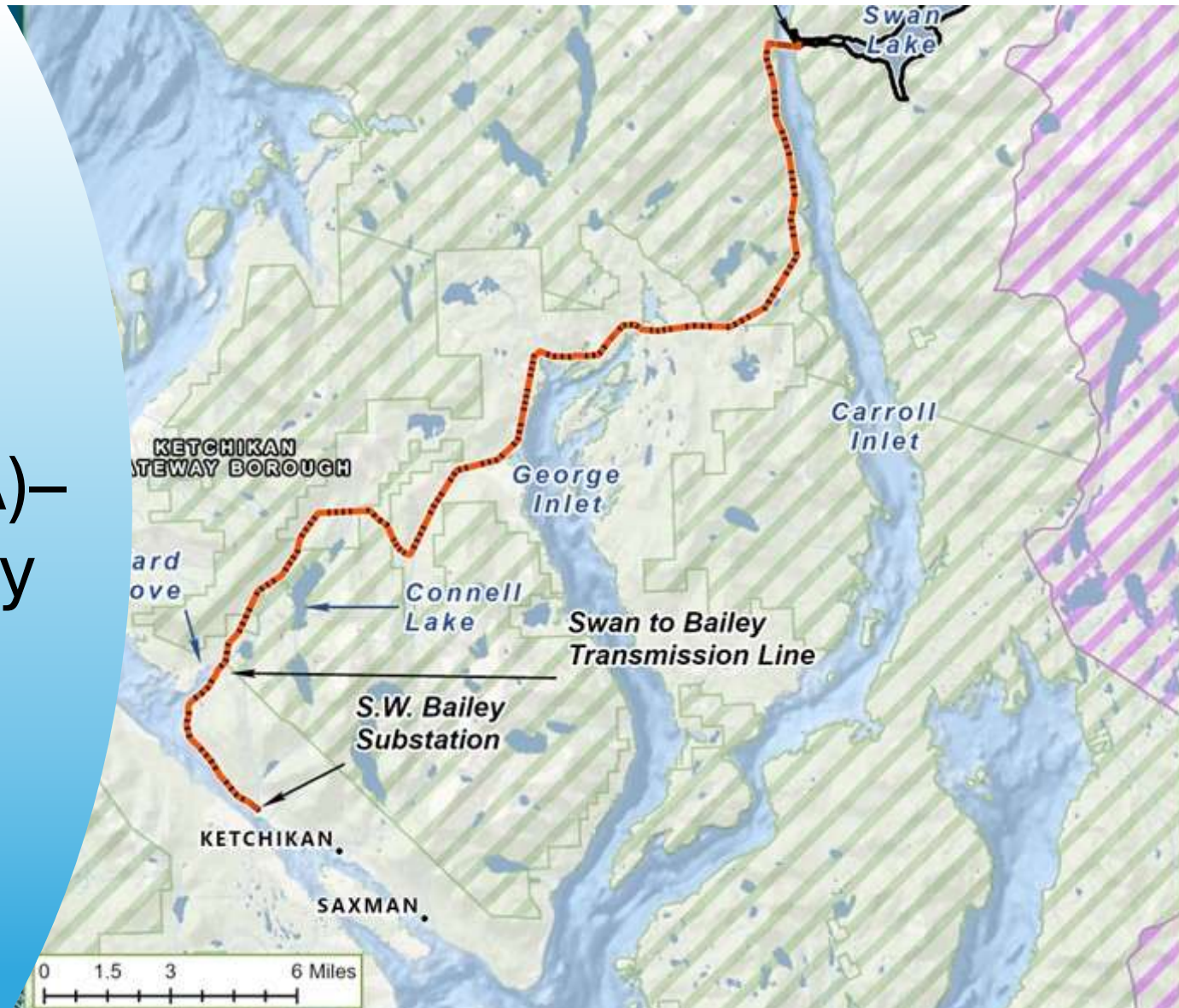


Studies - 2026

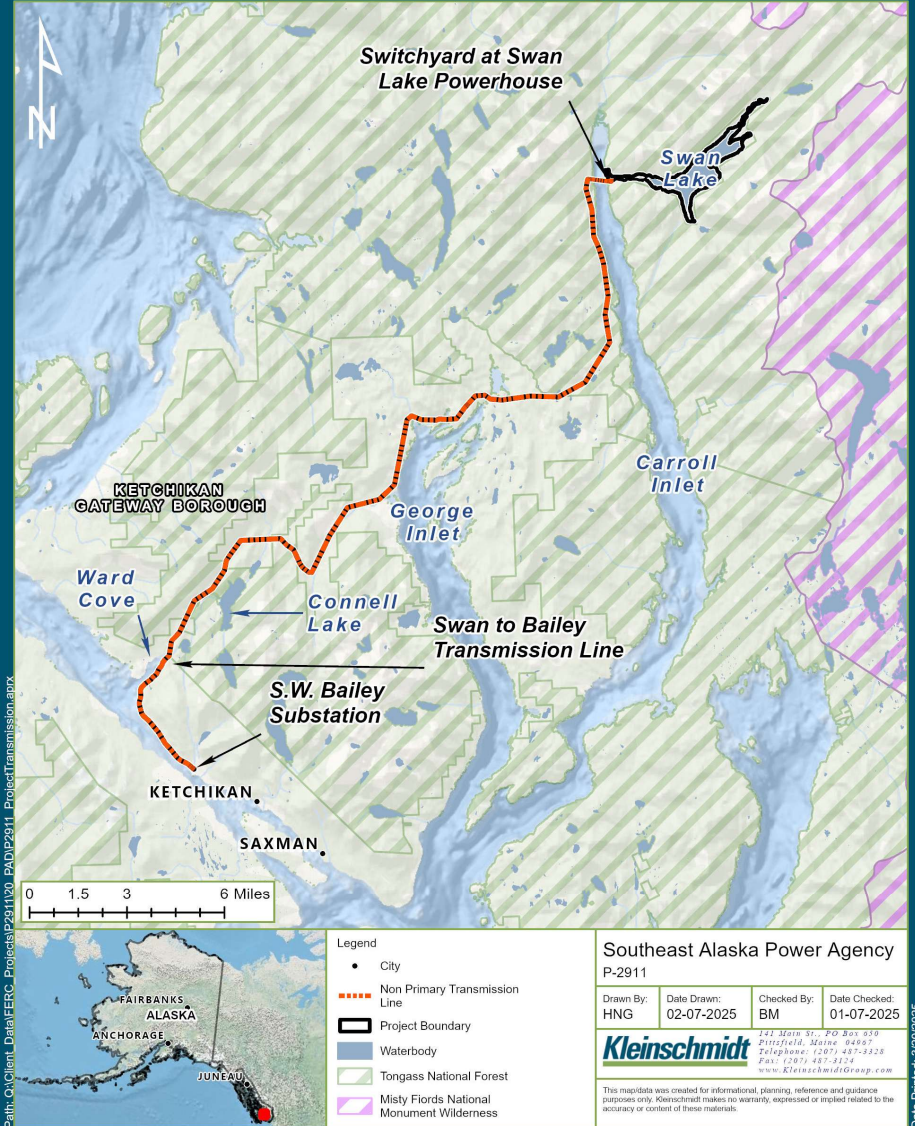


Hidden Creek

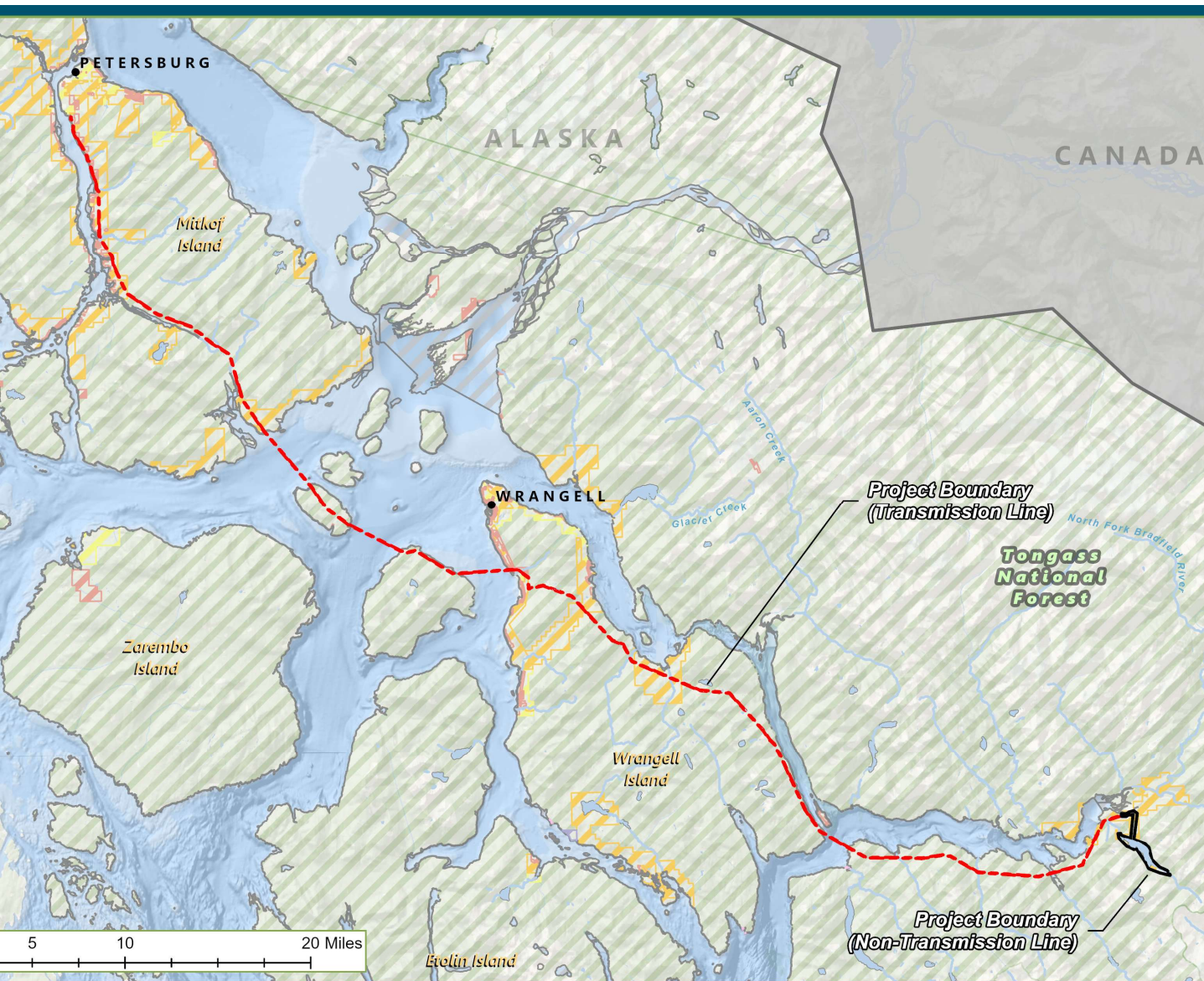
Swan Lake FERC License Amendment (LA)– Project Boundary Reduction



Project Boundary and Swan-to-Bailey Transmission Line



- Separating from Relicensing allows for a sooner reduction in Project Area
- Can streamline relicensing efforts
- Administerial non-discretionary Action



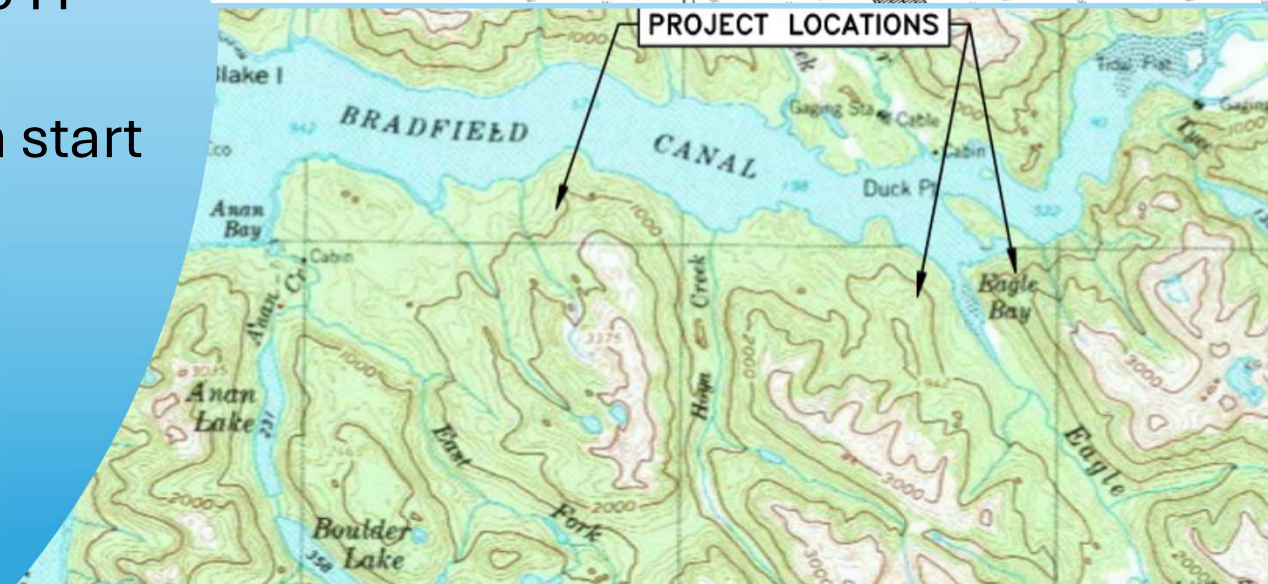
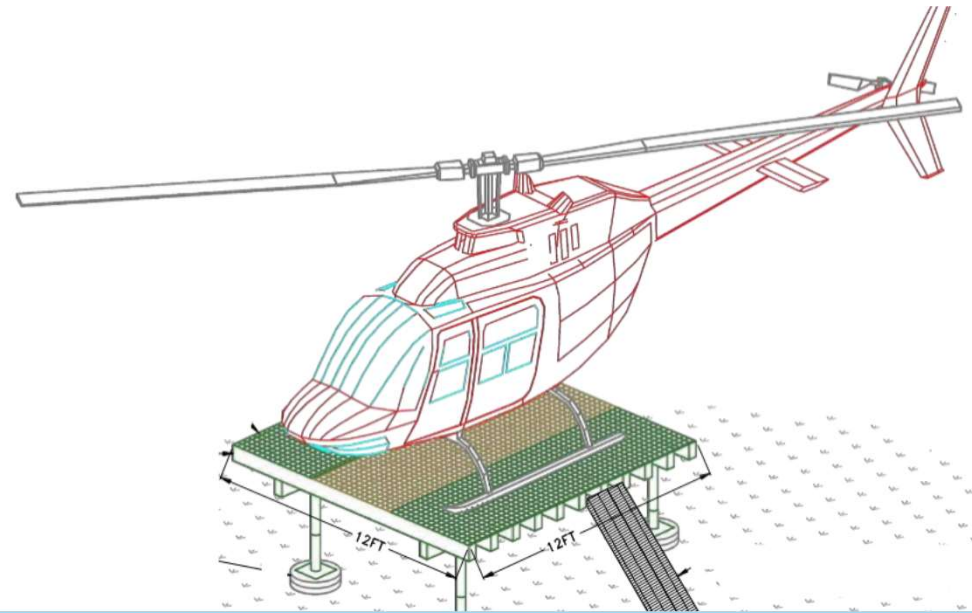
- Would eliminate Federal Land from the project license area
- Would eliminate FERC Land Use fees by \$64,000 per year
- Reduces potential for future Federal involvement



Project Related Activities

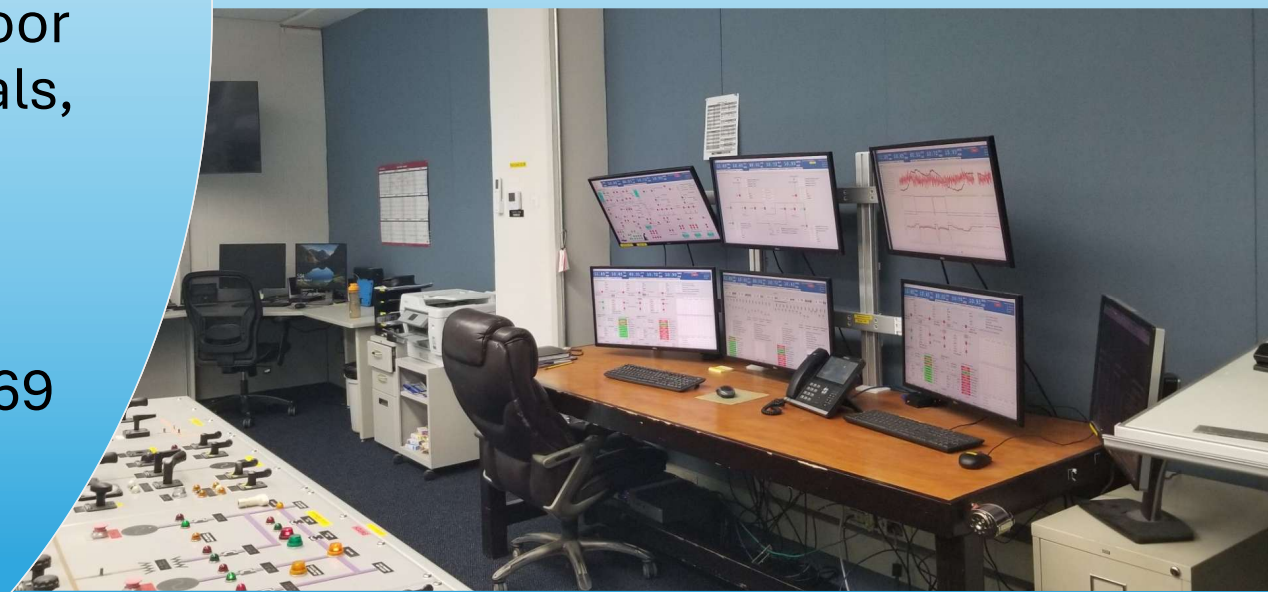
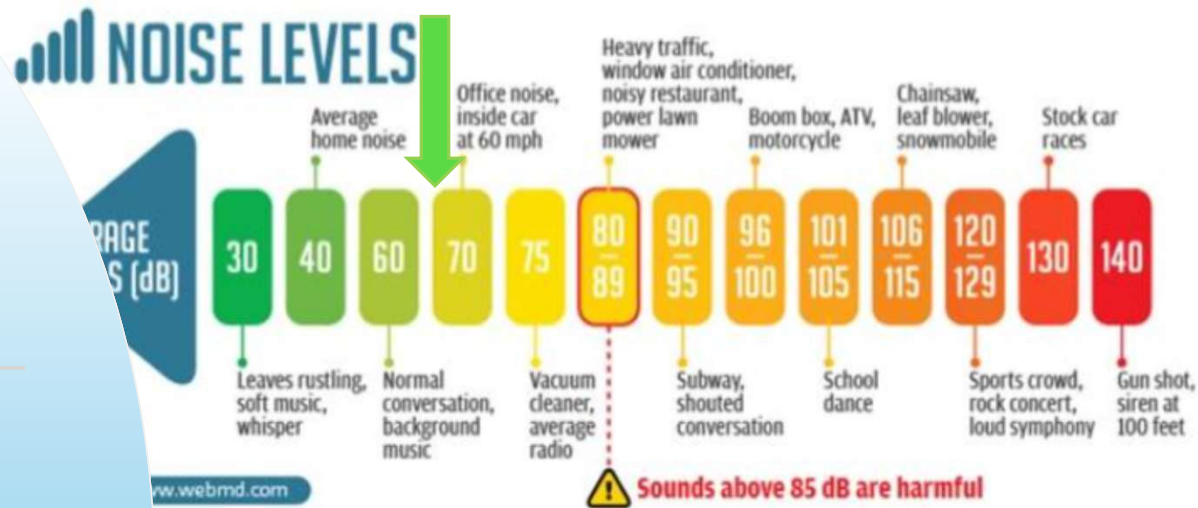
Cleveland Peninsula Helipad Project

- Notice to Proceed issued to H Construction
- Tentative April construction start

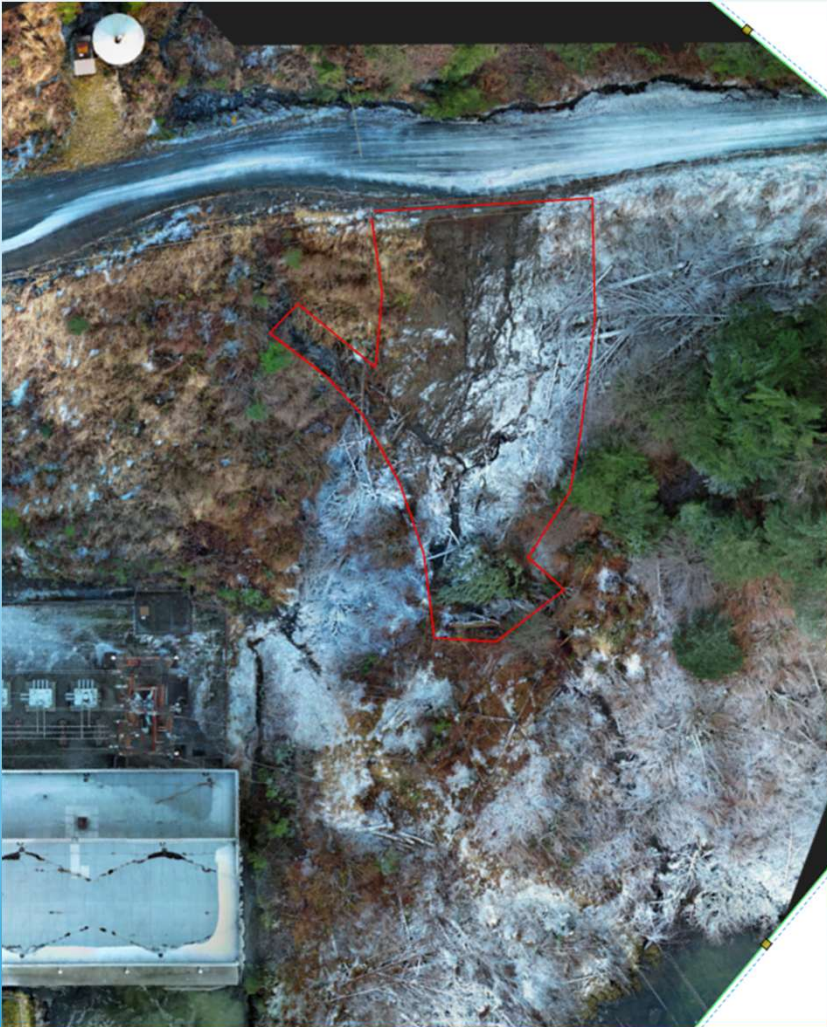


Swan Lake Control Room upgrades

- In house project to reduce echo noise and sound intensity and cool IT room
- Included sound panels, floor coverings, window removals, door seals and mini split HVAC units
- Decibel readings reduced from highs of 80-84 to 63-69 depending on generation



Roadway Embankment Reconstruction



Swan Lake Unit #1 Assessment and Uprate Study



- Assessment in advance of unstacking

TITOVI	ZAVODI
LITOSTROJ	
LJUBLJANA	YUGOSLAVIA
YEAR 1983	- P - 90364
TYPE	- TF - 1,25/200
RATED HEAD	291ft - 88,7m
RATED OUTPUT	11335kW
RATED SPEED	450rpm - 7,5/sec
MAX HEAD	304 ft - 92,65m
MAX OUTPUT	12975kW

Comments or Questions?

