

Swan Lake and Tyee Lake Hydroelectric Projects (P-2911, P-3015)

Proposed License Amendments
Overview Meeting

December 9, 2025



Meeting Purpose and Agenda

- **Overview of SEAPA's electrical system**
- **Proposed non-capacity amendments**
 - Removal of the non-primary transmission lines from the FERC project boundaries
 - Proposed amendment schedule
- **Concurrent FERC processes**



SEAPA's Electrical System

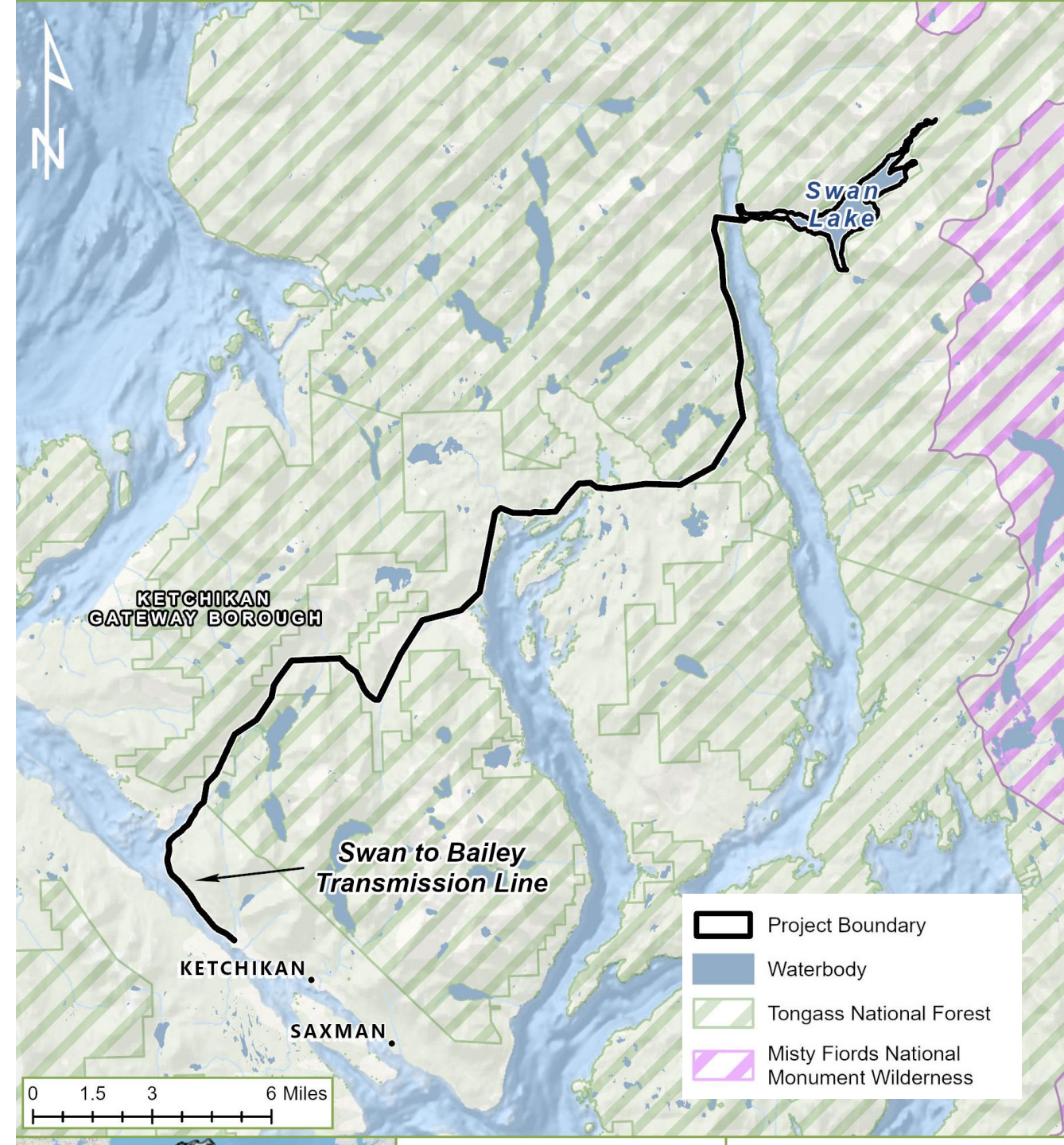


SEAPA's Service Area and Generation System

- **Swan Lake Hydro Project - 1984**
 - Initially delivered power to Ketchikan
- **Tyee Lake Hydro Project - 1984**
 - Initially delivered power to Petersburg and Wrangell
- **Swan-Tyee Intertie (STI) - 2009**
 - Interconnected SEAPA projects and all three communities

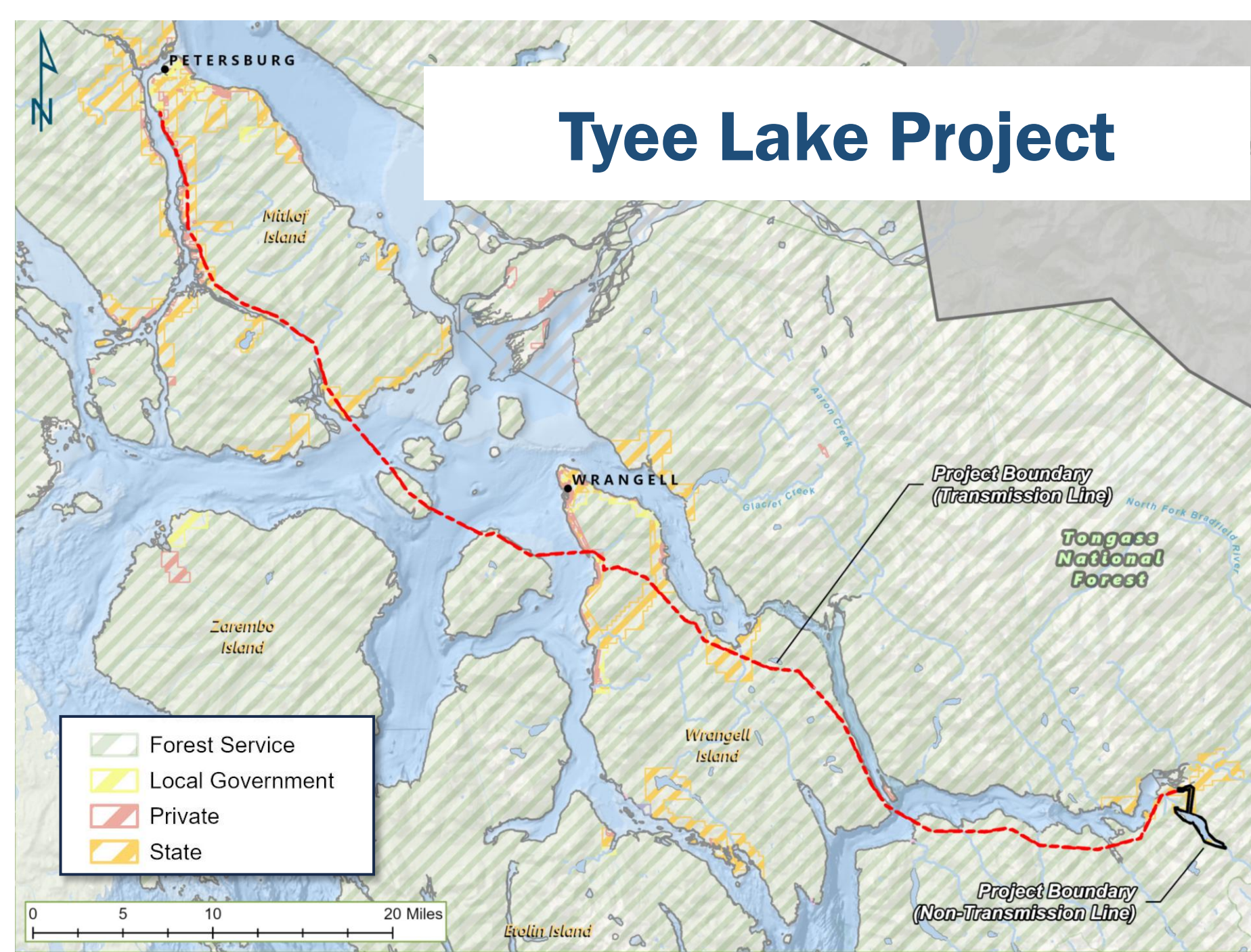
Swan Lake Project

- 22-MW project
- Located in Falls Creek watershed 22 mi northeast of Ketchikan
- 174' high dam at Swan Lake outlet
- **Non-transmission Project Area**
(lake, dam, powerhouse, switchyard, housing, storage buildings, dock, etc.)
 - Located on state land
- **Transmission Line (Swan-to-Bailey)**
 - ~31 miles long
 - USFS, state, borough, and privately-owned lands



Tyee Lake Project

- 22.5 MW (2 turbines)
- 3rd unit to be installed
- Lake tap project
- Hidden Creek watershed, 40 miles southeast of Wrangell
- **Non-Transmission** (lake, powerhouse, switchyard, etc.)
 - State land
- **Transmission Line**
 - ~80 miles long
 - USFS, state, borough, and privately-owned lands





Proposed Non-Capacity Amendments

Primary vs. Non-Primary Transmission Lines



- **Federal Power Act: FERC project boundaries include “primary” transmission lines**
 - i.e., lines from a generating station to the point of interconnection with a larger grid
- **Non-primary T-lines excluded from FERC project boundary**
- **Since Swan-Tyee Intertie (2009), original Swan and Tyee T-lines no longer considered “primary”**

Exclusion of Non-Primary Transmission Lines



- Change of FERC project boundary requires non-capacity amendment
- SEAPA will submit amendment applications to remove the non-primary T-lines from each FERC boundary

Exclusion of Non-Primary Transmission Lines

- No change in ownership, management, or maintenance of T-lines or ROWs
- No new ground disturbance or environmental impacts
- All ROW easements and permits remain in effect
 - USFS Special Use Permits
 - ADNR leases, ADOT&PF ROWs
 - Municipalities, private easements
- Removal non-discretionary, not considered a federal undertaking, therefore not subject to NHPA Section 106 consultation



Proposed Swan Lake Project Boundary

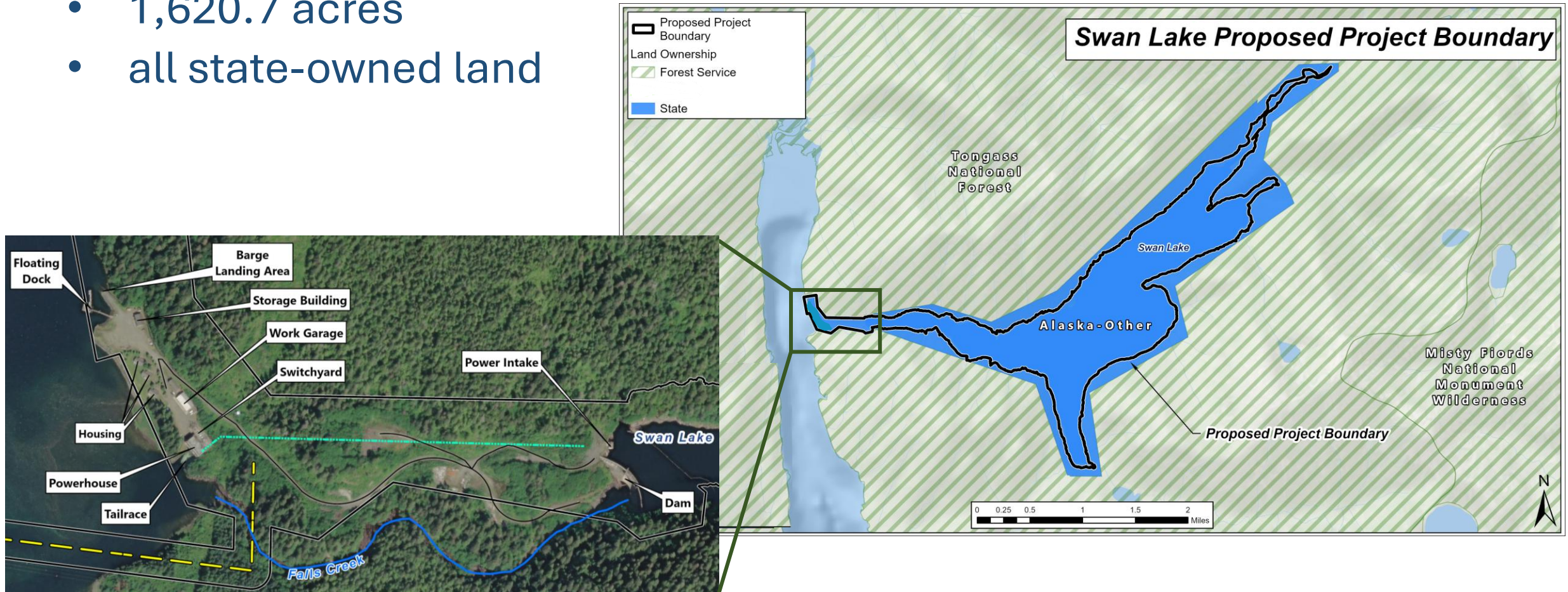


- Remove Swan-to-Bailey T-line at its interconnection with the STI at powerhouse switchyard



Proposed Swan Lake Project Boundary

- FERC project boundary would include lake and project facilities
 - 1,620.7 acres
 - all state-owned land



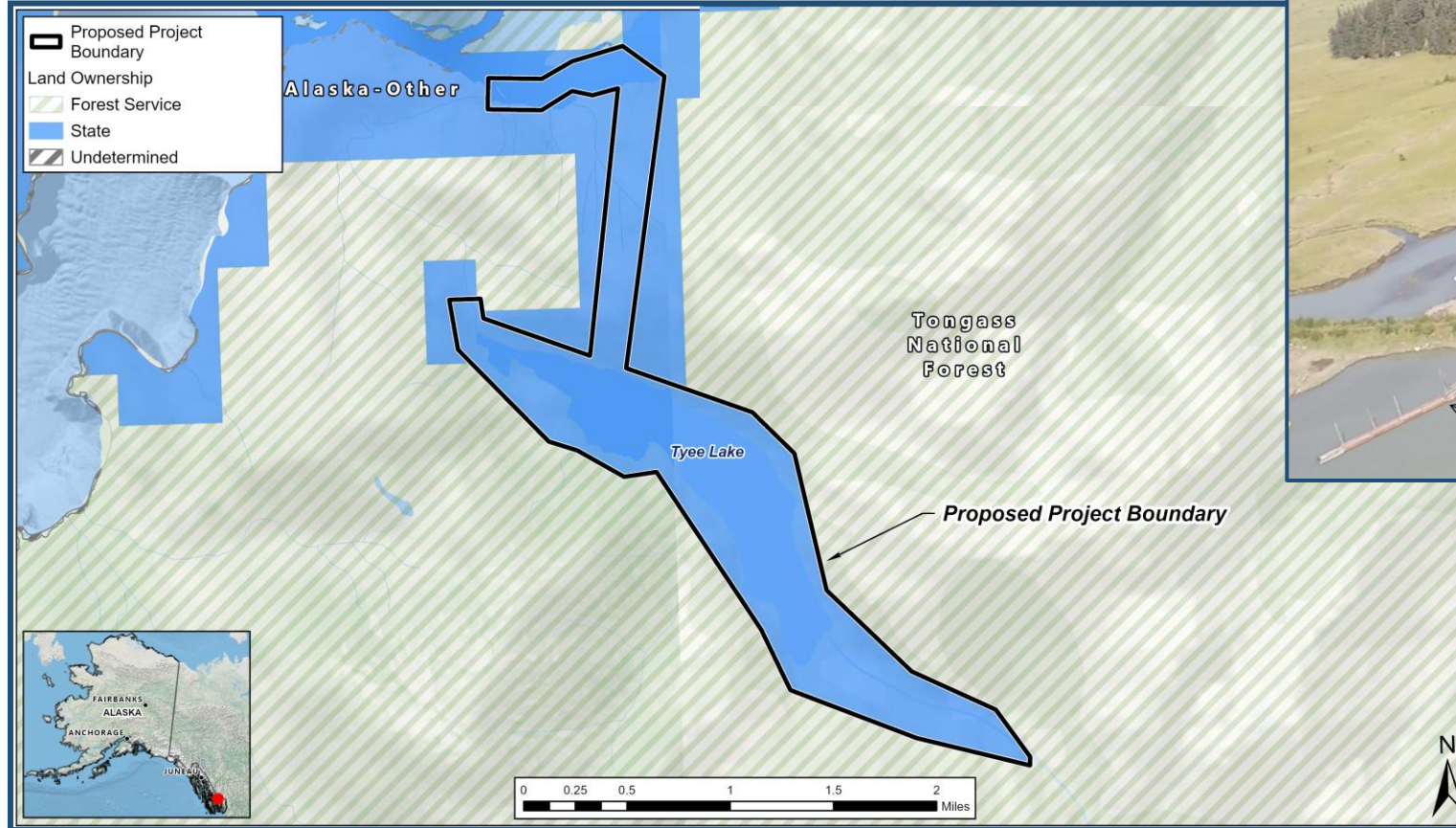
Proposed Tyee Lake Project Boundary

- Remove T-line to Petersburg at its interconnection with the STI at powerhouse switchyard



Proposed Tyee Lake Project Boundary

- **FERC project boundary would include lake and project facilities**
 - 1,162 acres; all state-owned land





Amendment Application Components

- **Request to modify annual fee article for use and occupancy of federal lands within boundary**
 - Swan: 742.8 acres → 0 acres
 - Tyee: 1,174.4 acres → 0 acres
- **Revised exhibits to show exclusion of non-primary T-lines**
 - Project Description (Exhibit A/M)
 - Project Boundary maps (Exhibit G/K)
 - One Line Diagram (filed as CEII)
- **Consultation Record**



Proposed Amendment Schedule

- **Dec 2025/Jan 2026**
 - File draft applications for agency review
- **Jan-Feb 2026**
 - 60-day comment review period
- **March 2026**
 - File final applications
- **FERC issues order amending project boundary**
 - prior to either project's relicensing application



Concurrent FERC License Processes and Overall Schedule



Swan Lake Relicensing

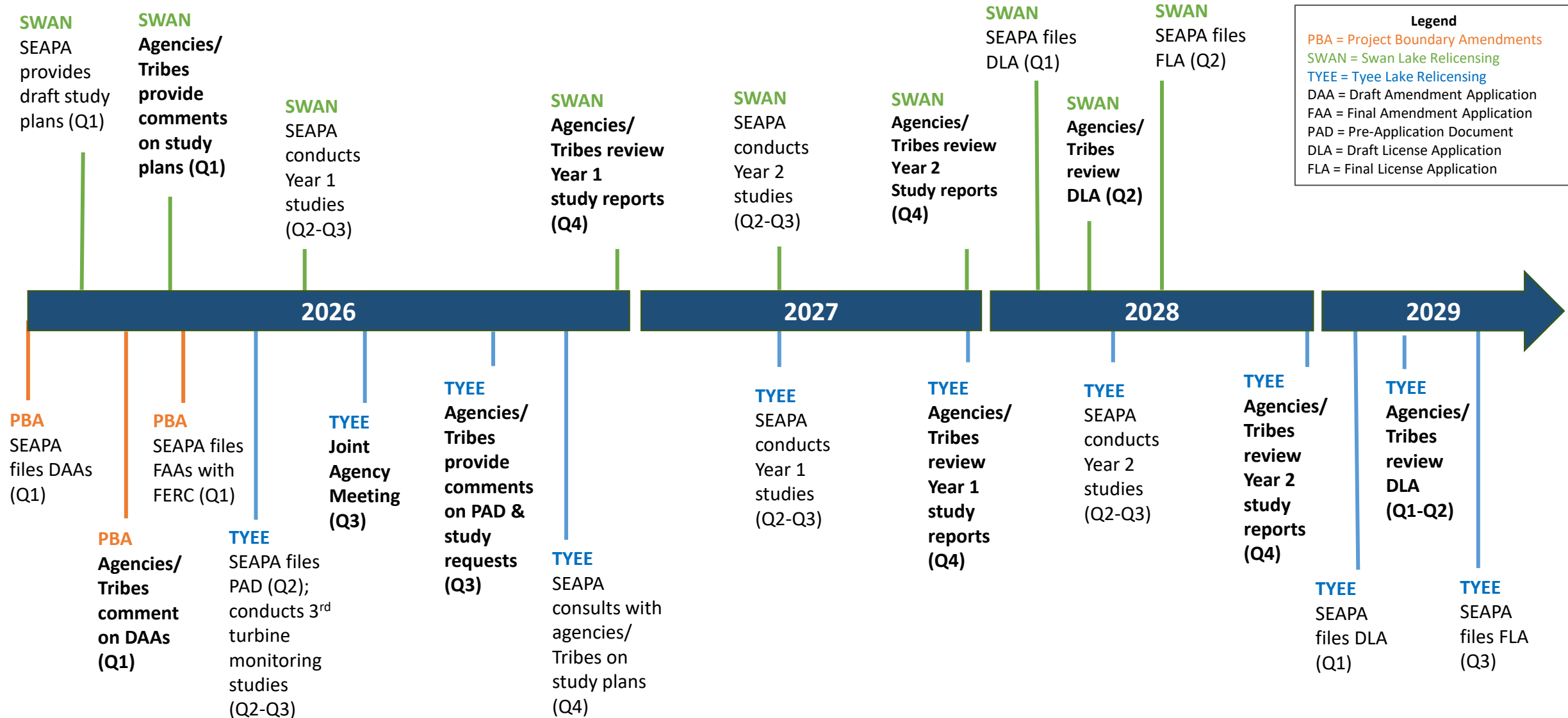
- **License expires June 2030**
- *May 2025 – Filed Pre-Application Document (PAD)*
- *Aug 2025 – Held Joint Agency Meeting (JAM)*
- **Jan-Feb 2026** - Consultation on study plans
- **2026** - Year 1 Studies
- **Dec 2026** - Agencies review study reports
- **2027** - Year 2 Studies
- **Dec 2027** - Agencies review study reports
- **Feb 2028** - File Draft License Application (DLA)
- **June 2028** - File Final License Application (FLA)

A decorative graphic on the left side of the slide showing a green river flowing into a blue lake.

Tyee Lake Relicensing and Monitoring

- **License expires July 2031**
- **Jan/Feb 2026** - Early agency consultation
- **April 2026** - File PAD, Request to use Traditional Licensing Process
- **2026** – Conduct 3rd turbine monitoring studies
 - Hidden Creek discharge
 - Tailrace sediment deposition and scour
- **July 2026** - JAM
- **Sept 2026** - Agencies comment on PAD, request studies
- **Oct-Dec 2026** - Study planning
- **2027-2028** – Conduct Year 1 and Year 2 studies and reporting
- **March 2029** - File DLA
- **July 2029** - File FLA

Overall Schedule of FERC License Processes



A scenic landscape photograph of a calm lake. In the foreground, a brown bear is swimming in the water, its head and back visible. The lake is flanked by dense evergreen forests on both sides. In the background, majestic mountains with patches of snow rise against a blue sky with light clouds. The word "Questions?" is superimposed in the center of the image in a bold, dark blue font.

Questions?



Kleinschmidt

Thank you