

Tyonek



TRIBAL
CONSERVATION
DISTRICT



AGENDA

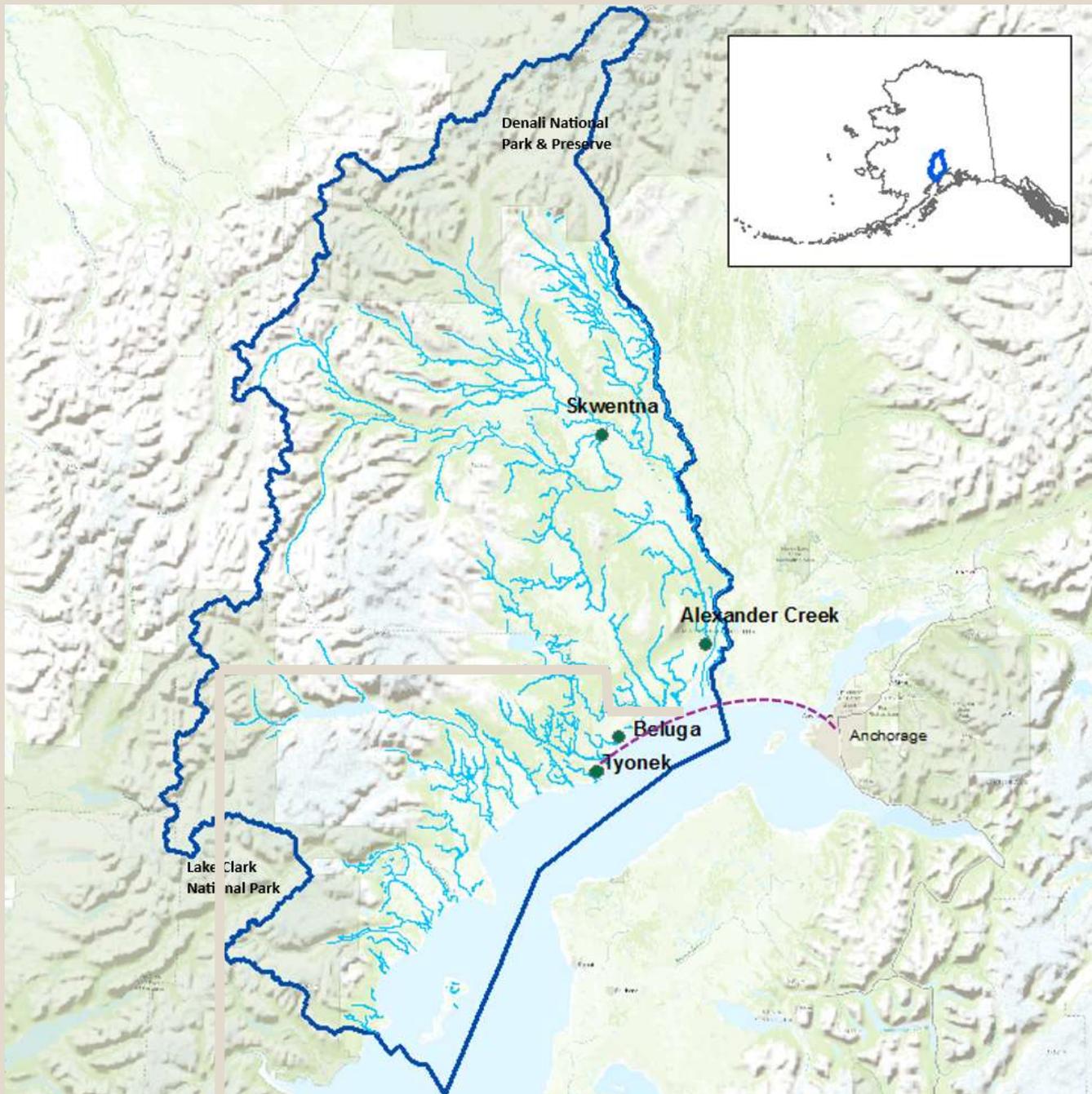
About TTCD

2025 Anadromous fish surveys

Discussion of Portage Creek Salmon Habitat

2026 AWC Sampling Goals

Conclusion



Tyonek

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6.6M ACRE Area

Native Village of Tyonek, Beluga,
Alexander Creek, Shirleyville, Skwentna

Tyonek Native Corporation, CIRI, Kenai
Peninsula Borough, Mat-Su Borough,
Alaska Mental Health Trust,
industry leasees/operators

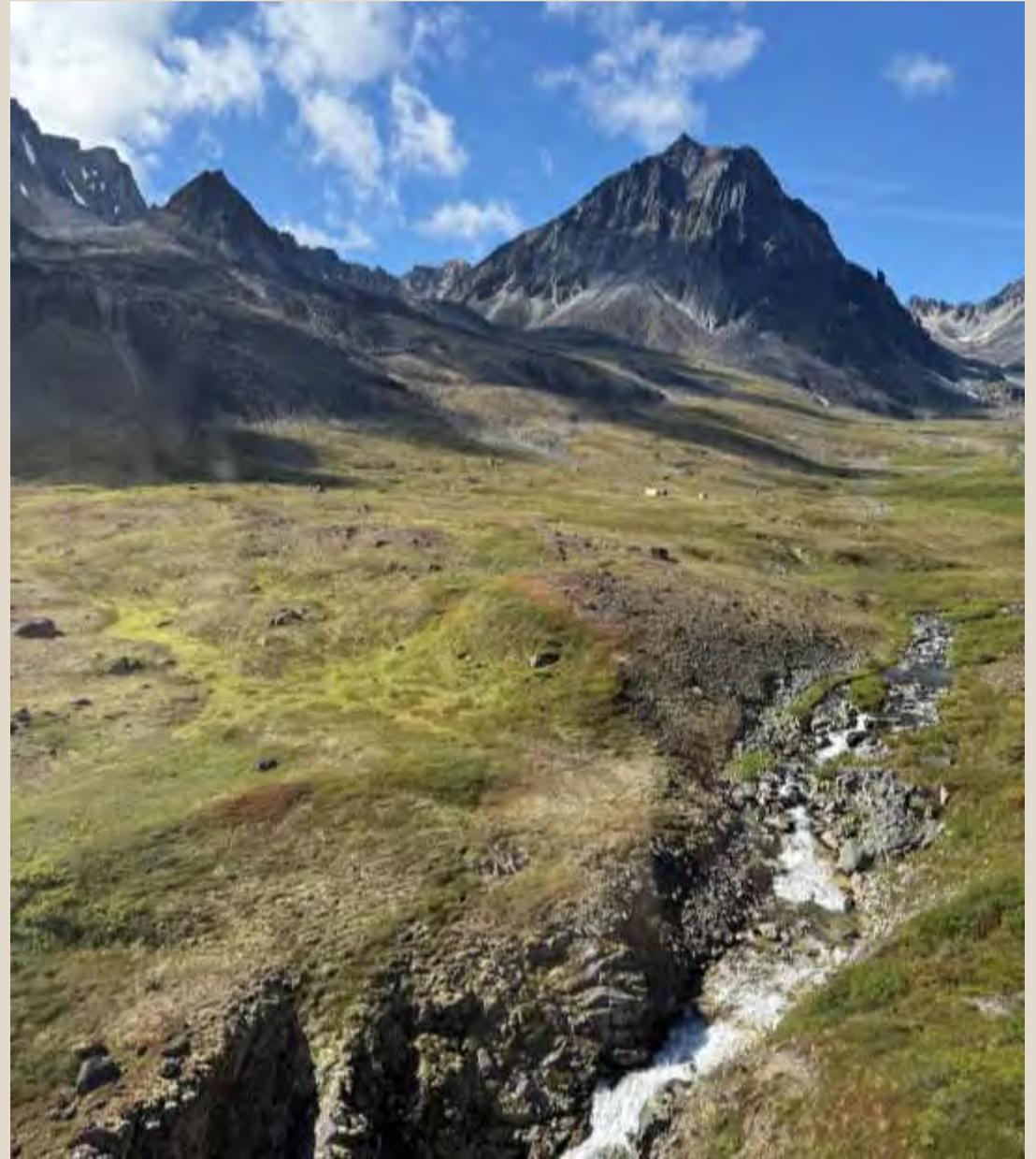
BLM, NPS, State Parks



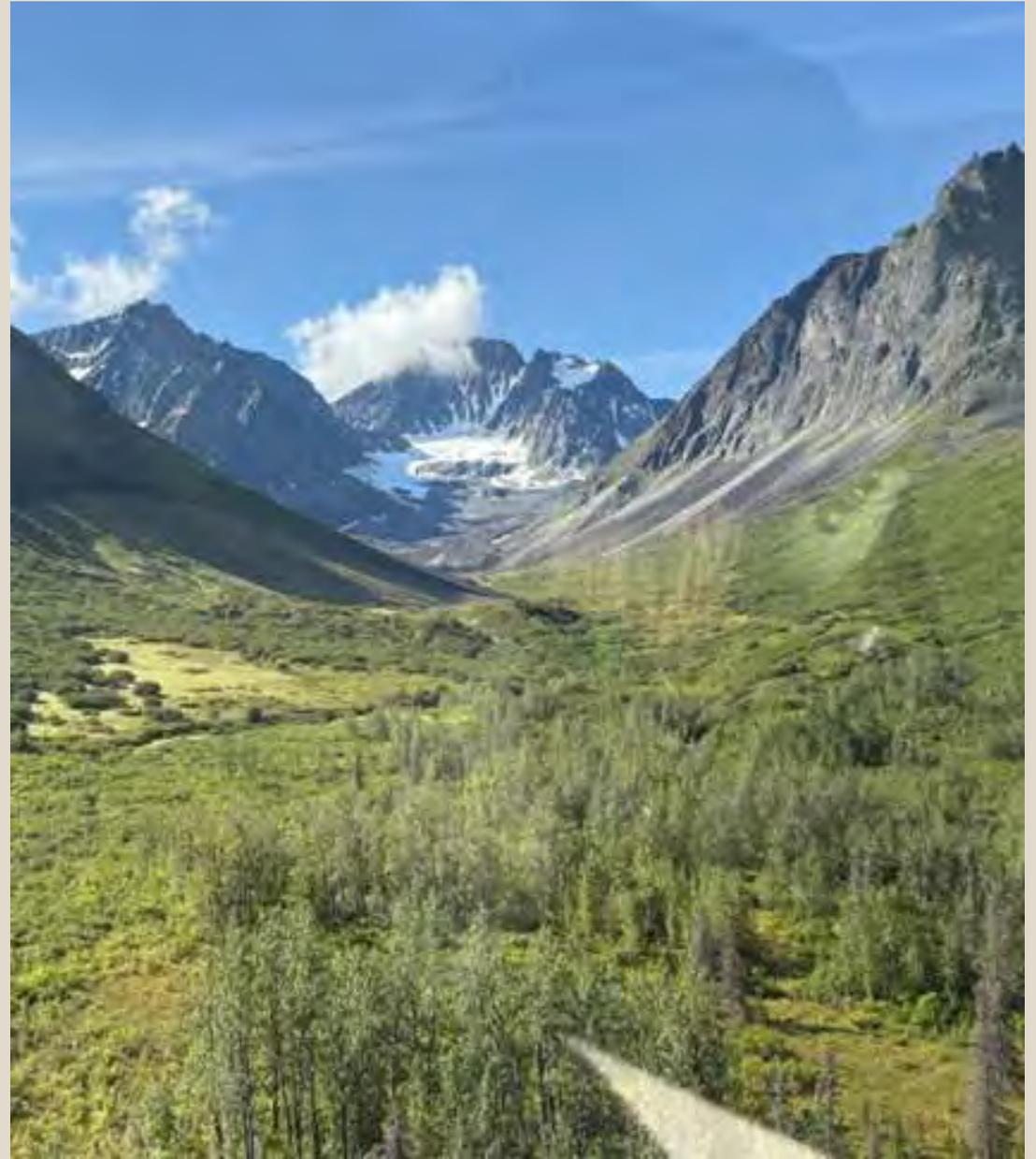
Portage Creek Salmon Surveys



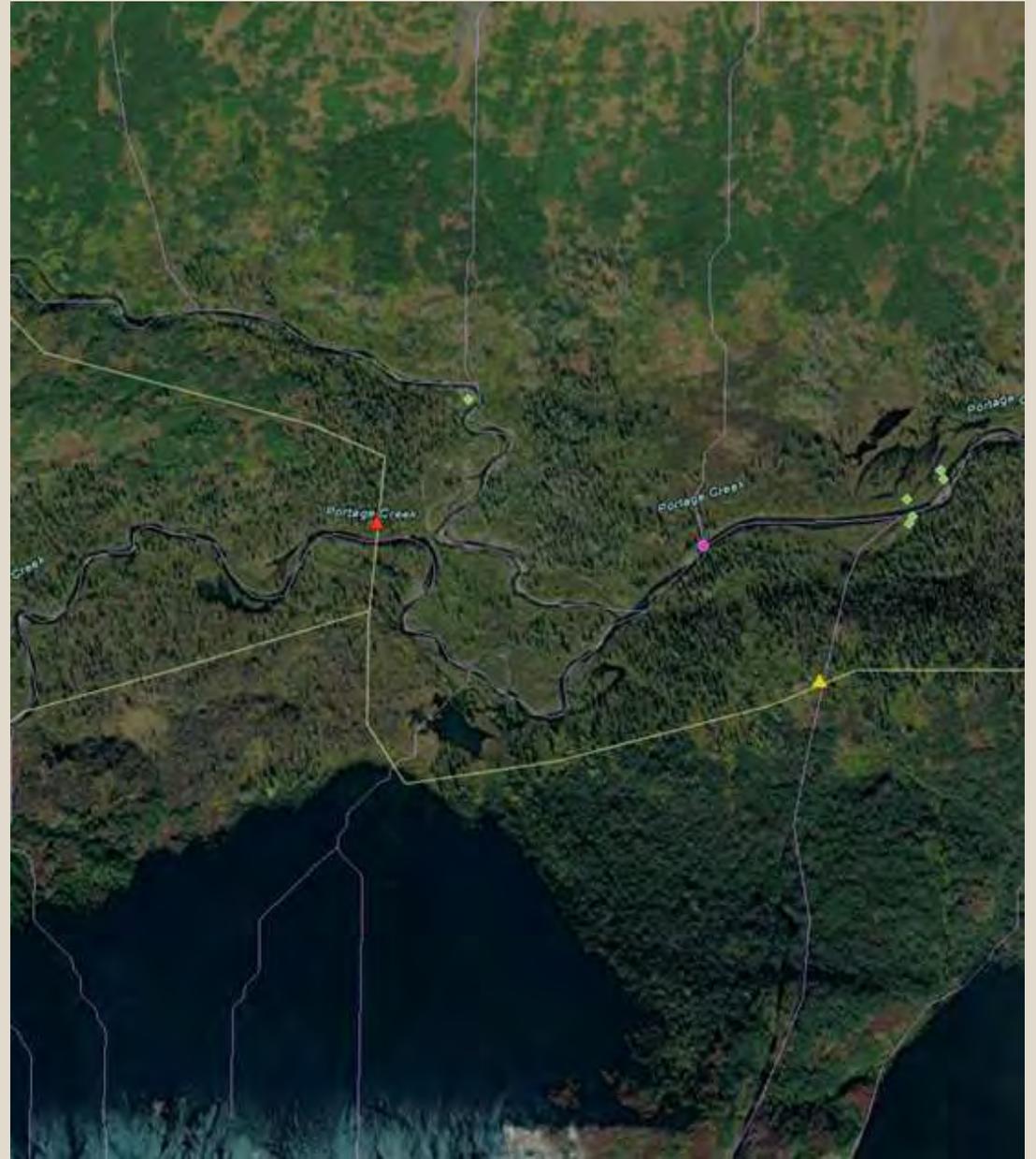
FORKS HEADWATERS



PORTAGE TRIBUTARIES



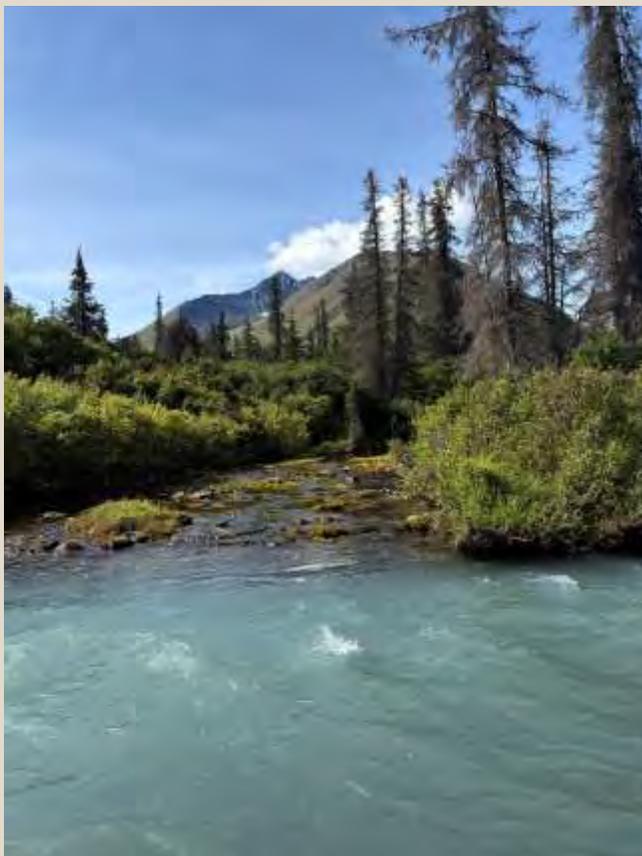
PORTAGE FORKS CONFLUENCE



ADULT SOCKEYE SPAWNING



AUGUST SURVEY



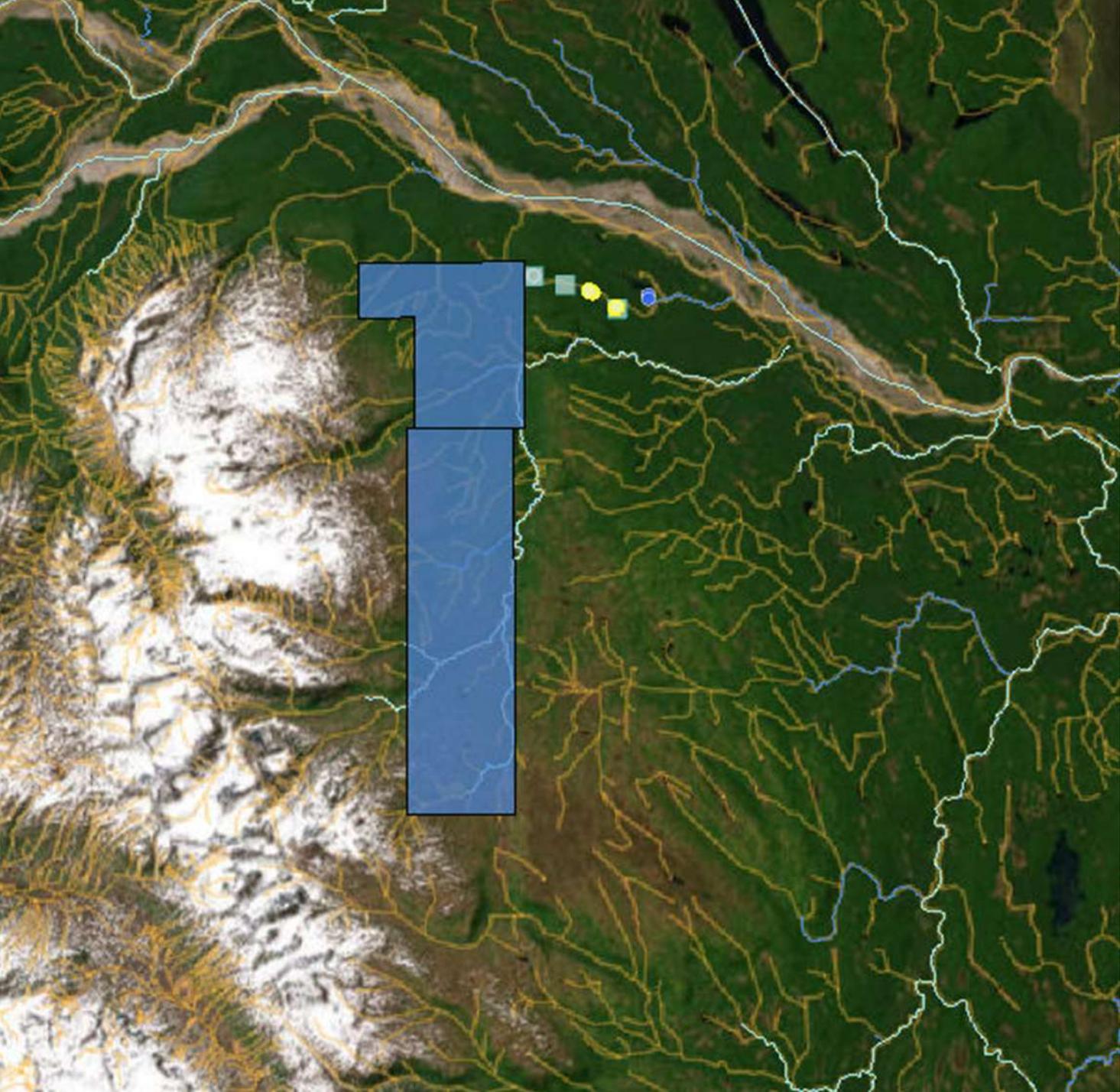
JUVENILE SOCKEYE





PORTAGE CREEK TAKE-AWAYS

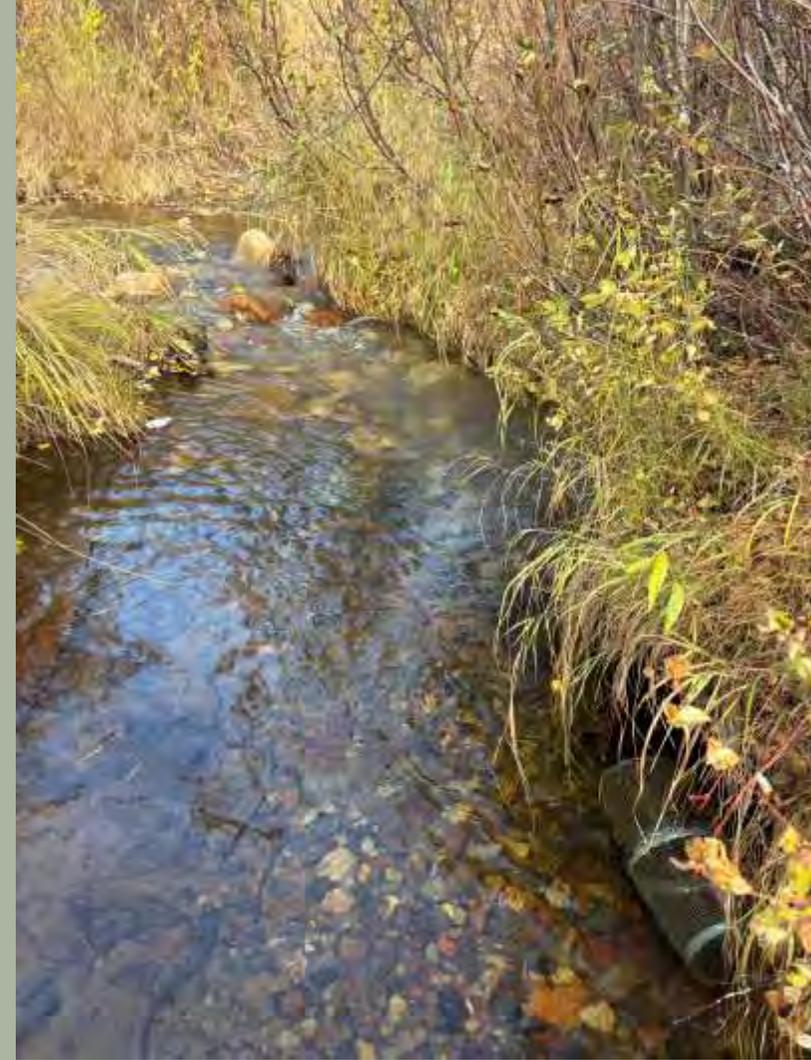
- Beavers and associated pond habitat adjacent to Portage Creek provides most of the spawning and rearing habitat
- Though the upland portions of Portage tributaries are largely inaccessible for fish, they feed these beaver ponds
- The visibility and swiftness of the stream make sampling difficult meaning the true semblance of the adult and juvenile salmonid habitat use is likely underrepresented
- Only dolly varden were captured in the north fork but that stream is a main feeder of the beaver dam complex where spawning is taking place
- Electro-fishing early in the year will provide for a better understanding of fishes' use of tributary and side channel habitats



CANYON LAKE CREEK

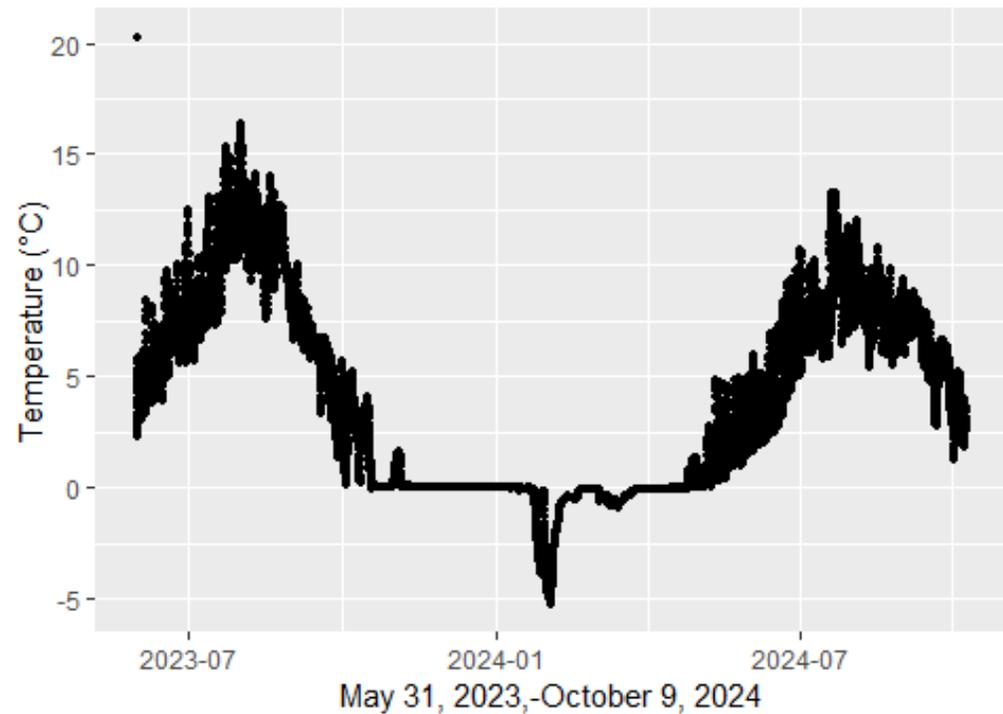
- Data from three field seasons
 - Lower Creek
 - Lake
 - Lake outlet
 - Upper Creek
 - Beaver dams
- Stream temps

CANYON LAKE CREEK COHO HABITAT

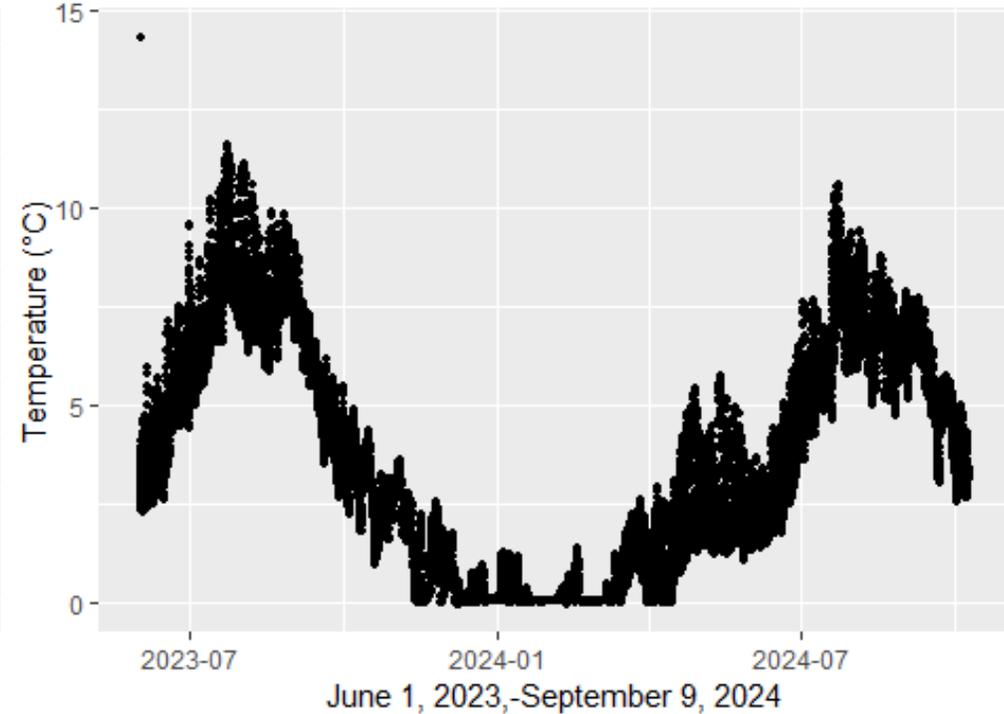


STREAM TEMPS FRIDAY AND SATURDAY CREEK

Friday Water Temp 22-24



Saturday Creek Water Temp 23-24





CANYON LAKE CREEK TAKE-AWAYS

- Is likely all anadromous
- If LWC's are a part of the plan for this mine, it should be noted that coho have been found to be the most sensitive salmonid to PPP-quinone, (a tire additive)
- The lower tributaries of the Talachulitna are all listed for Chinook, and protected from invasive northern pike making them one of the few watersheds in the Skwentna to be intact



CHIQUINIK
THANK YOU



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BIOLOGIST

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