



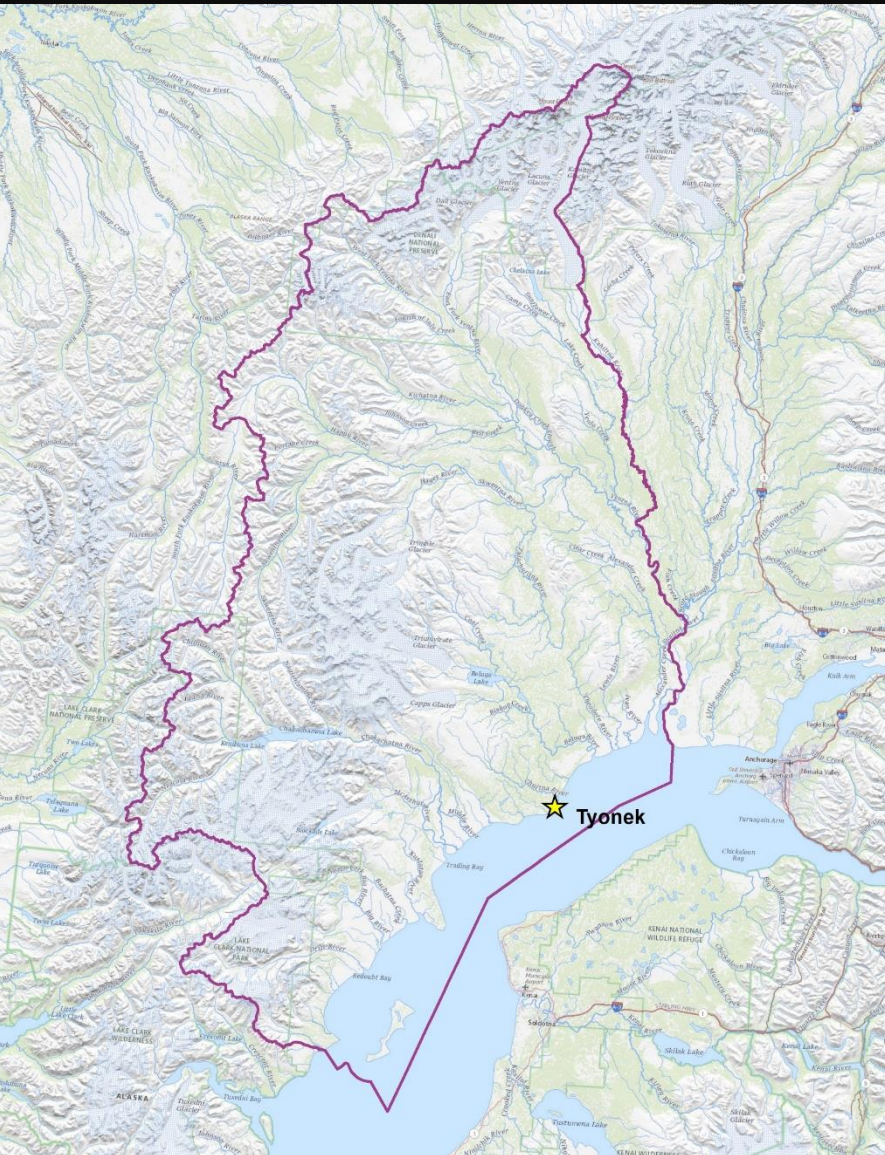
Free Flowing Streams and Cook Inlet Salmon:
The Past, Present, and Future of Tyonek Tribal
Conservation District's Fish Passage Program



Tyonek

TRIBAL
CONSERVATION
DISTRICT

Tyonek Tribal Conservation District



- Tribal non-profit established in 2005 through MOU between Native Village of Tyonek, Tyonek Native Corp, and NRCS
 - 6.6 million acres in West Cook Inlet
 - Fully remote, small road system in Tyonek, Beluga
 - Addresses invasive northern pike, salmon population monitoring, fish passage, etc.
-

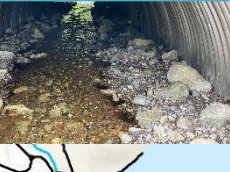
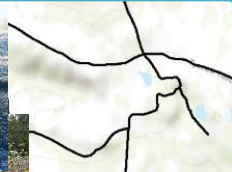
The Past



Tyonek Culvert Replacements 2012 - 2024



45 stream miles, 500+ lake acres



Legend

-  Culverts Replaced 2012-2021
-  Replacements Planned 2023-24

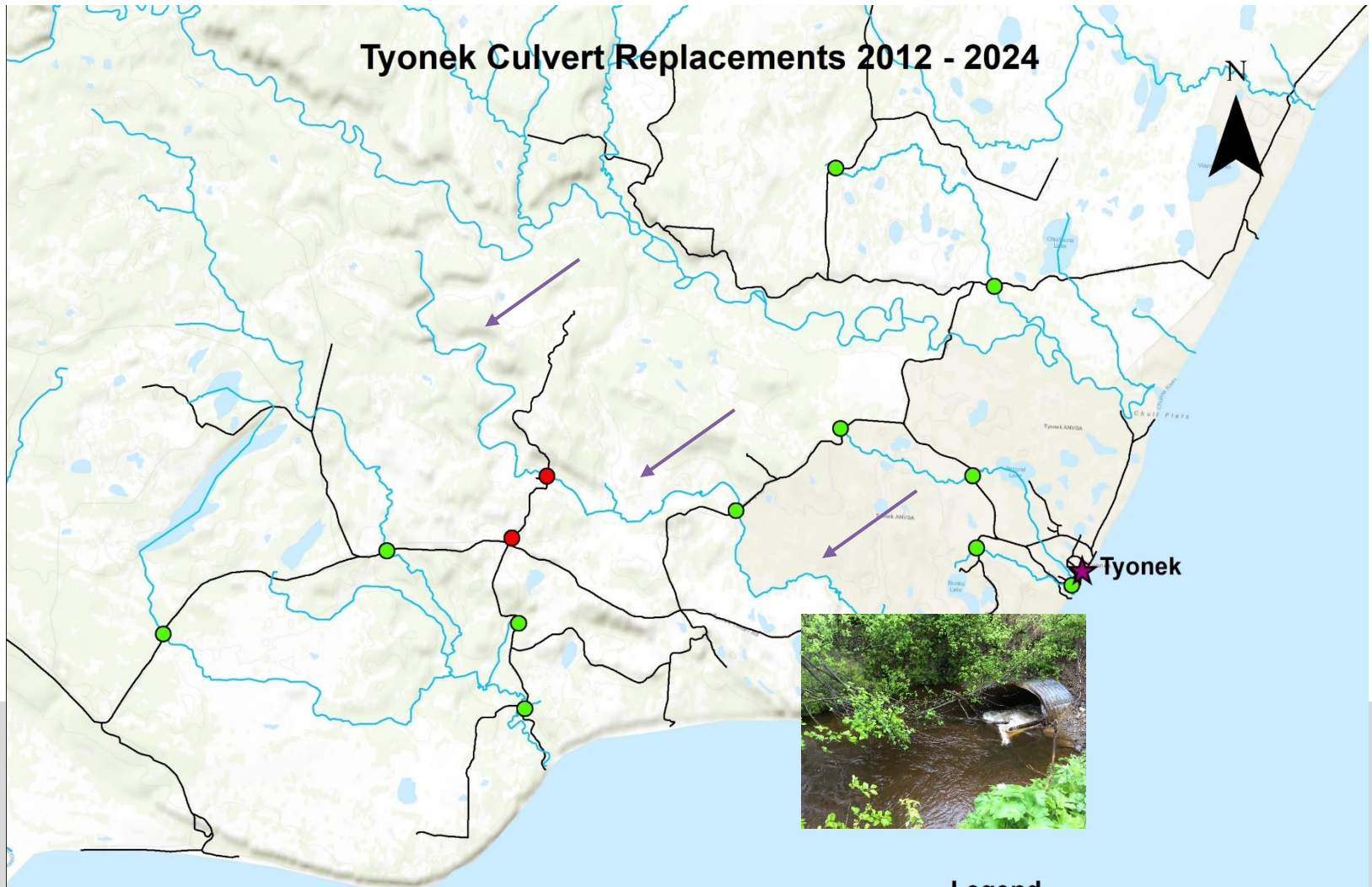
Robert's Creek Culvert Replacement



The Present



Tyonek Culvert Replacements 2012 - 2024



Legend

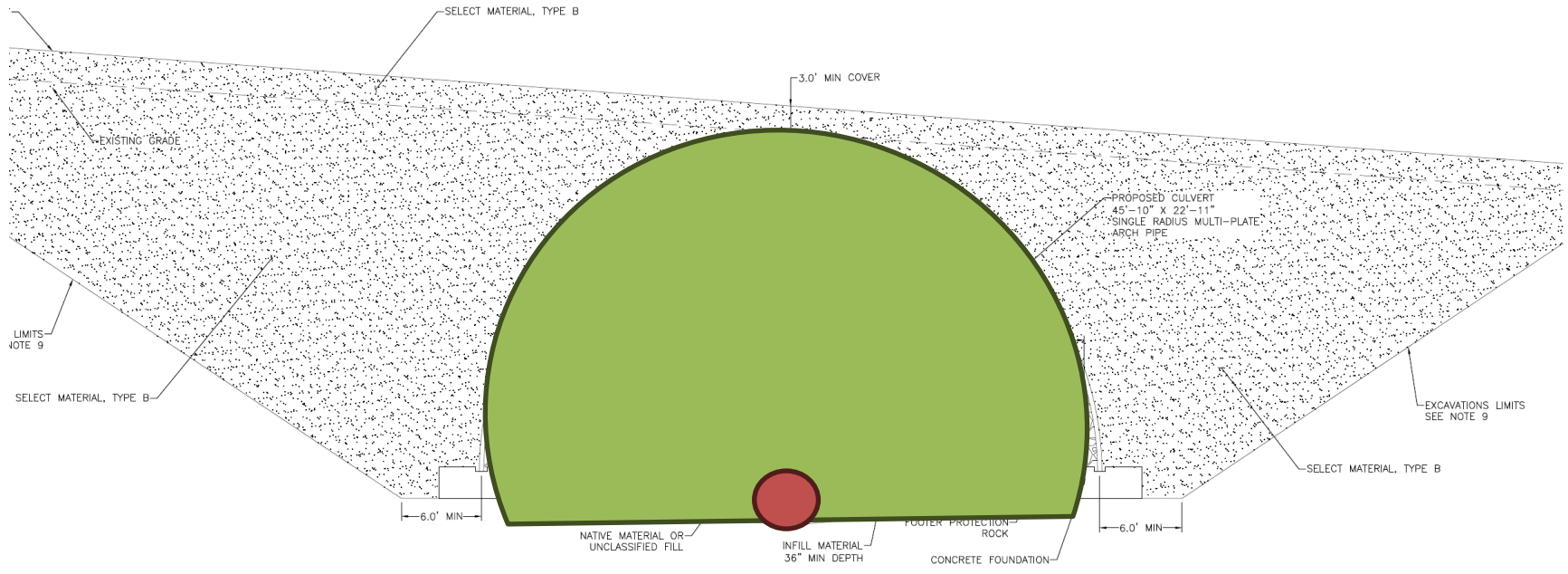
- Culverts Replaced 2012-2021
- Replacements Planned 2023-24

Lower
Tyonek
Creek





The main pipe outlet



1
 D1
 CULVERT INSTALLATION
 NTS



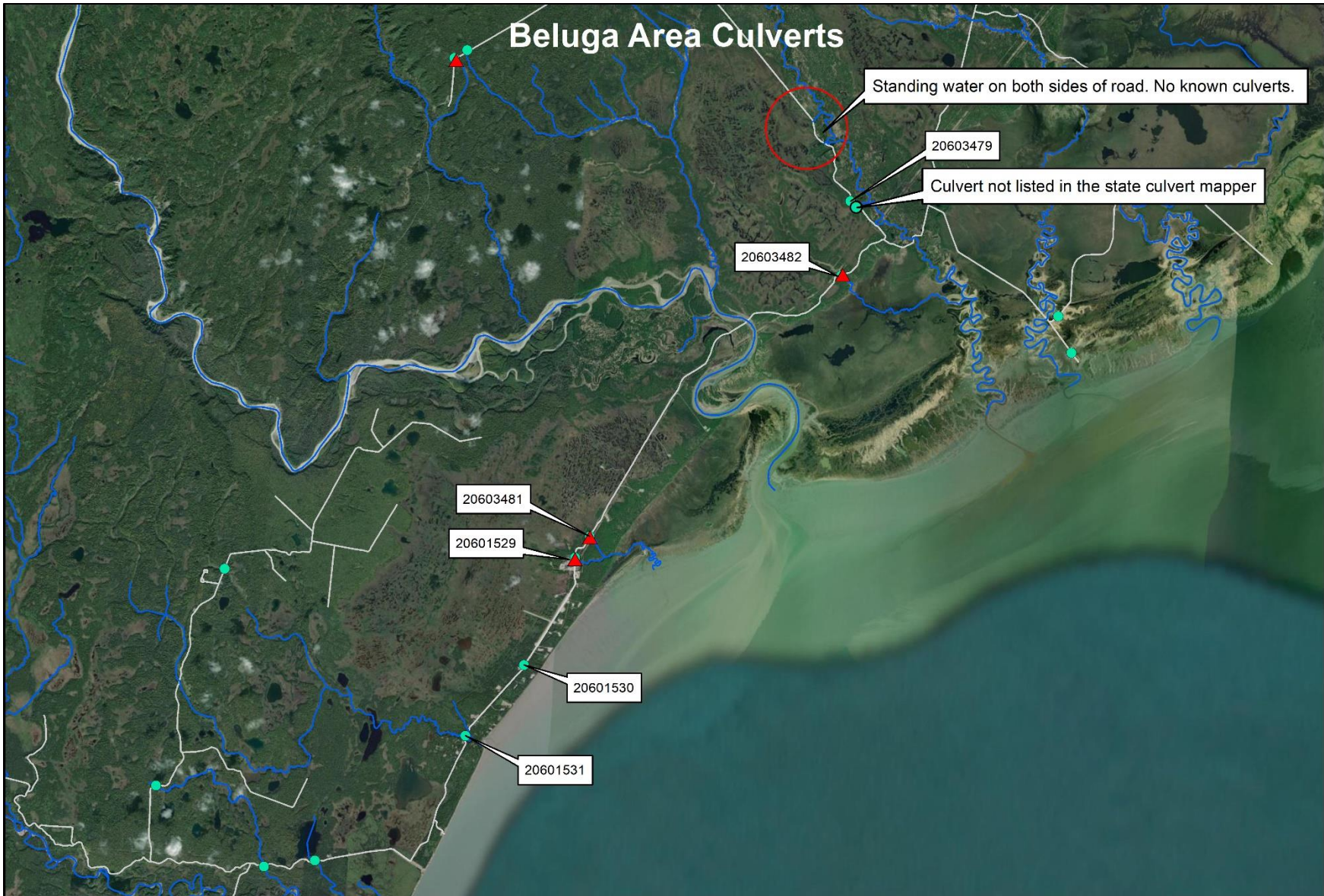
THE (IDEAL) FUTURE

How do we get to where we want to be?

MORE BAD CULVERTS



Beluga Area Culverts



Tyonek TRIBAL
CONSERVATION
DISTRICT



Legend

- ▲ Replacements Planned 2025+
- Culverts
- AWC_stream
- Tyonek roads

Fish Passage Program that...

- Is driven by tribal priorities and concerns





- Local Knowledge
- Chinook Salmon



Fish Passage Program that...

- Is driven by tribal priorities and concerns
- Includes pike in the prioritization and decision-making matrix





Fish passage amid northern pike infestations: What's upstream?

Fish Passage Program that...

- Is driven by tribal priorities and concerns
- Includes pike in the prioritization and decision-making matrix
- Understands we are still lacking data





- Stream surveys
- Survey methods
- Locating “unknown” culverts



Fish Passage Program that...

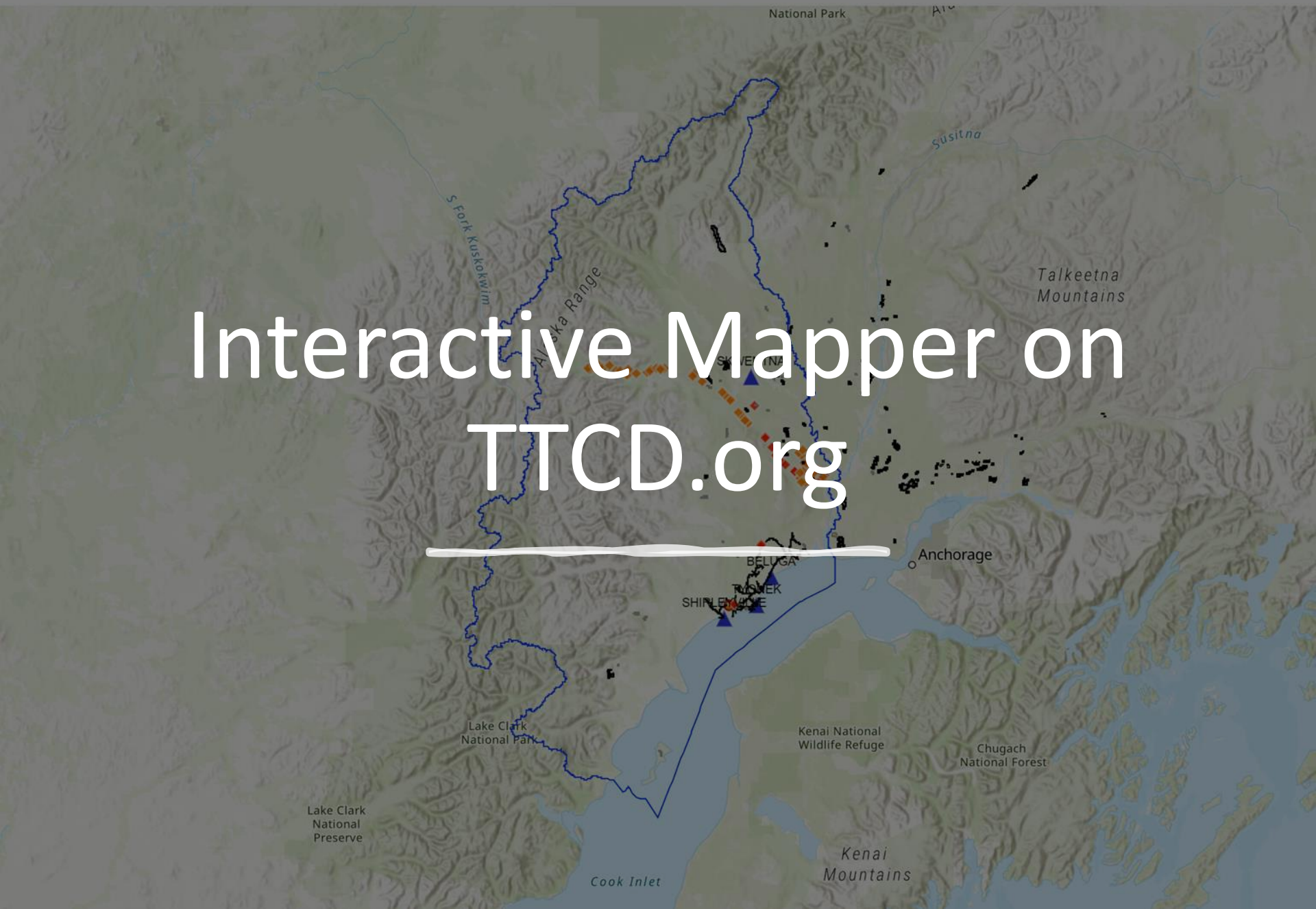
- Is driven by tribal priorities and concerns
- Includes pike in the prioritization and decision-making matrix
- Understands we are still lacking data
- Addresses fish passage barrier prevention



Fish Passage Barrier Prevention



Interactive Mapper on TTCD.org





Be Open to Big Ideas...

Decommissioning roads and bridges...?

Conclusions

- Our fish passage program has been successful
- Our biggest project is scheduled for 2024 construction
- We continue to develop and refine a culturally relevant fish passage program that includes addressing invasive northern pike and fish passage barrier prevention.

Questions?

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