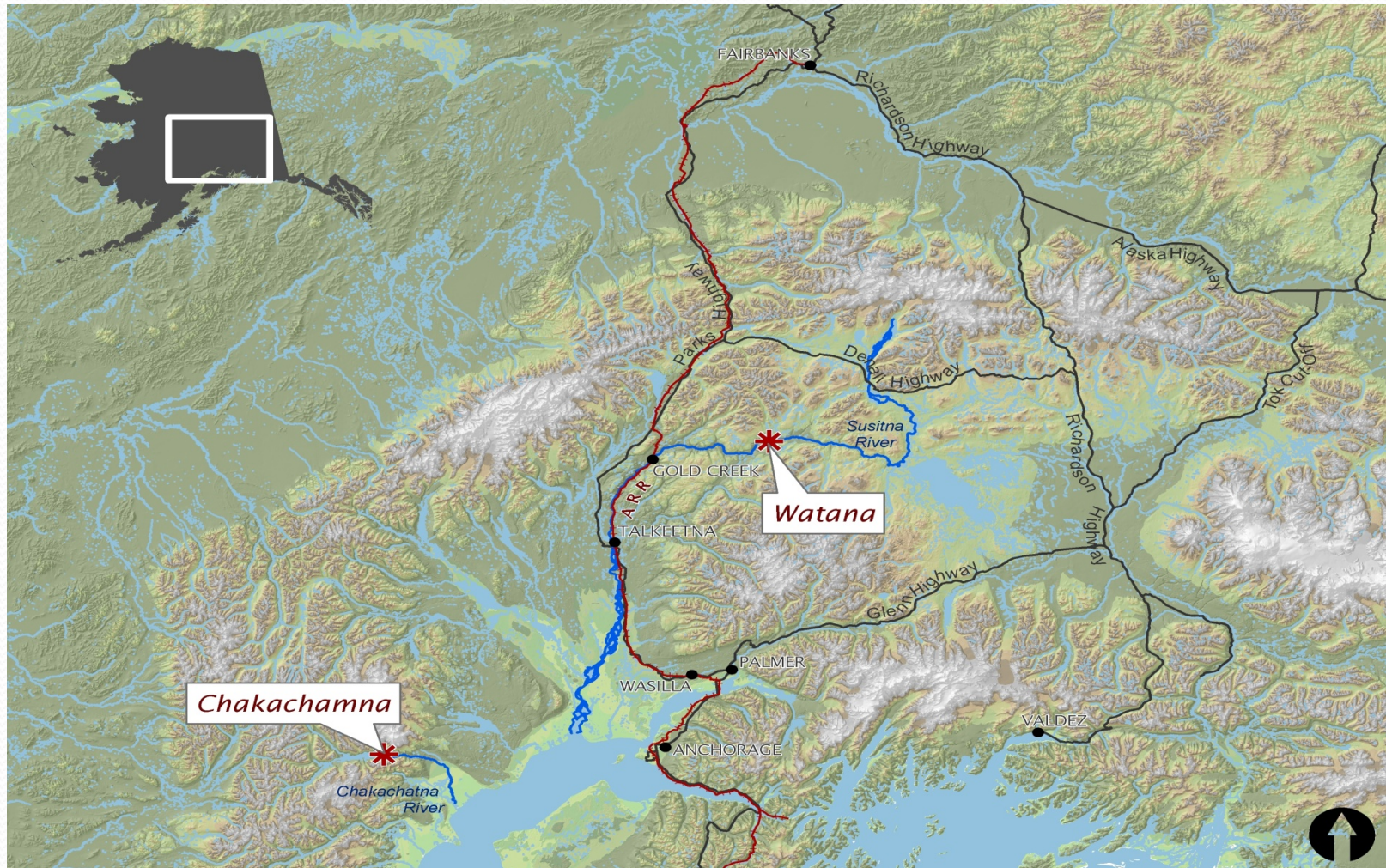


Railbelt Large Hydroelectric

Resource Development Council

Railbelt Hydro Locations



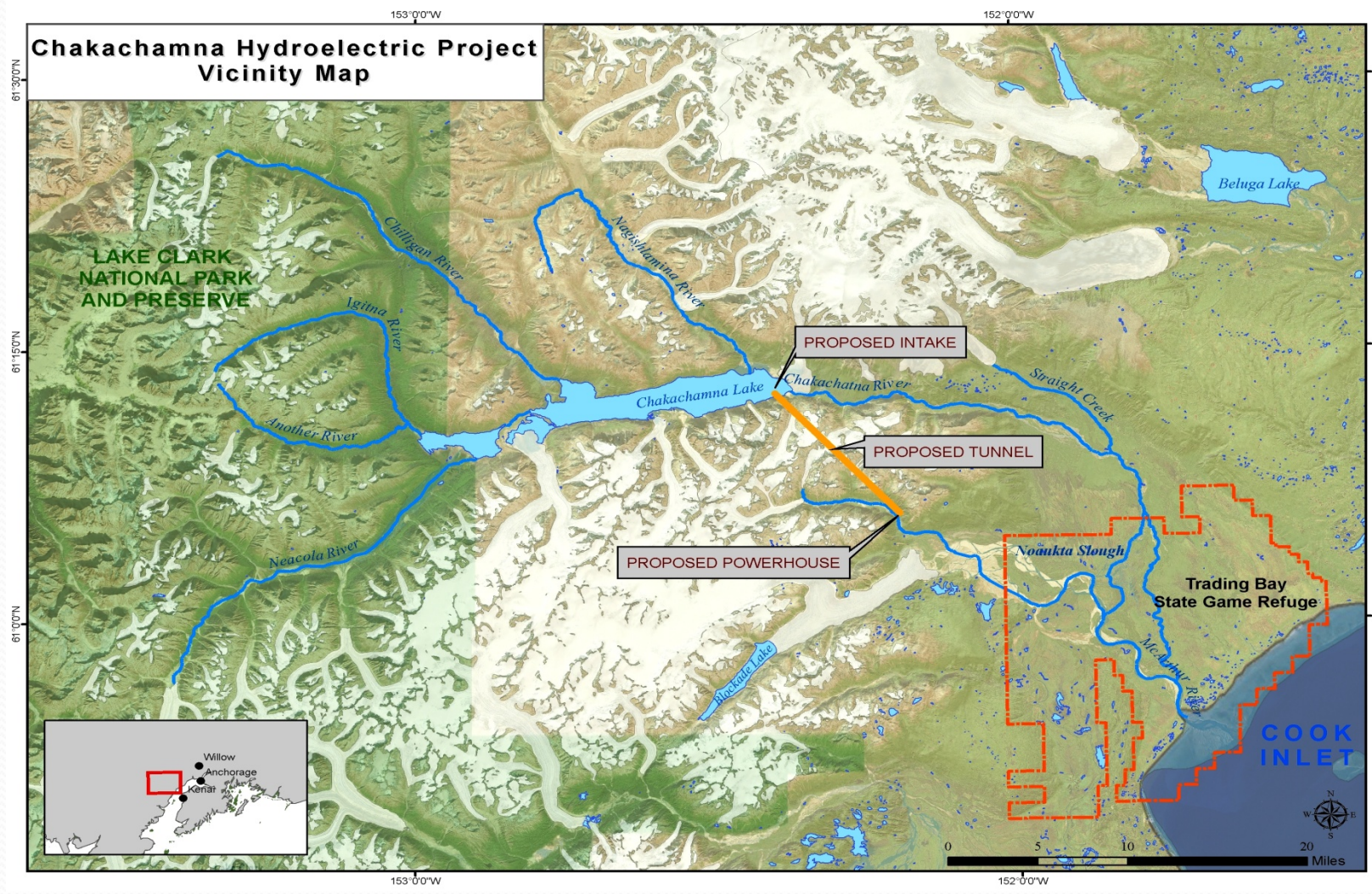
Watana Damsite



Susitna Low Watana



Chakachamna Project Location



Chakachamna Lake



Barrier Glacier

Glacier Fork



Bradley Lake Hydroelectric



Susitna Energy & Environmental:

- **Energy**
 - **Installed capacity 600 MW**
 - **Average energy 2600 GWhr/yr**
 - **About 50% of annual railbelt energy**
- **Environmental**
 - **Reservoir 39 miles long & maximum of 2 miles wide**
 - **Site is approximately 30 miles above extent of significant salmon habitat**
 - **Susitna River downstream of dam will have the same annual flow with modified seasonal timing**
 - **Some fisheries impacts will be positive**
 - **Some loss of wildlife habitat**

Chakachamna Energy & Environmental:

- **Energy**
 - **Installed capacity 300 MW**
 - **Average energy 800-1300 GWhr/yr**
 - **Project energy will be reduced by environmental flows**
 - **Environmental flows (Project Energy) to be decided by resource agencies**

- **Environmental**
 - **Project would divert water from one basin to another**
 - **Salmon travel through and likely spawn in lake**
 - **Trading Bay State Game Refuge downstream of Lake**
 - **Lake Clark National Park & Preserve upstream of lake**



Hydroelectric Benefits

- **Greater than 100 year life**
- **Expandable for future growth**
- **Predictable, secure, clean, low cost energy**
- **Provides dispatchable energy and stabilizes the grid**
- **Investment in Alaska Infrastructure**
- **Alaskan jobs and funds stay in-state long term**
- **Hydro necessary to achieve States 50% renewable statewide energy policy**