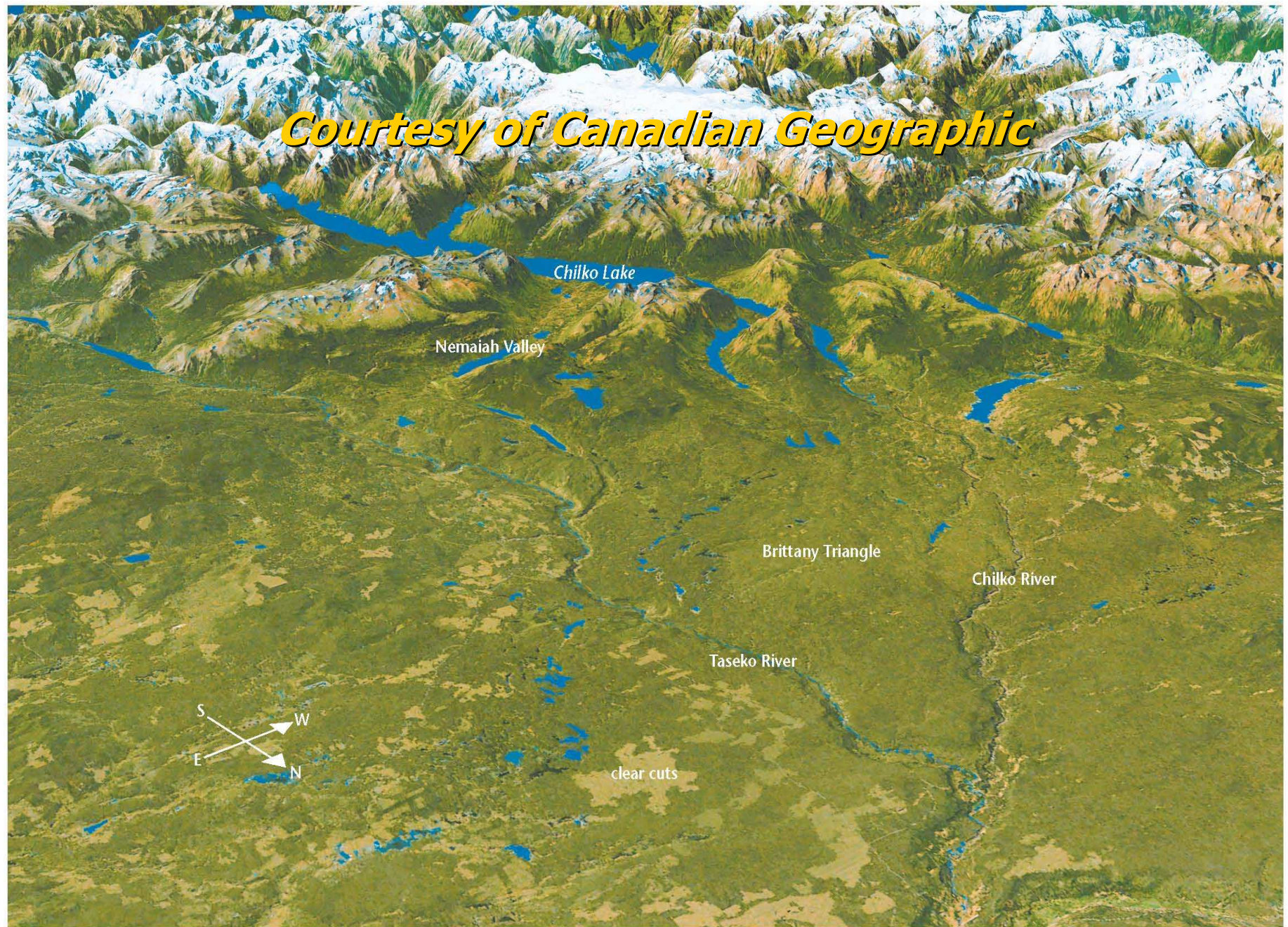
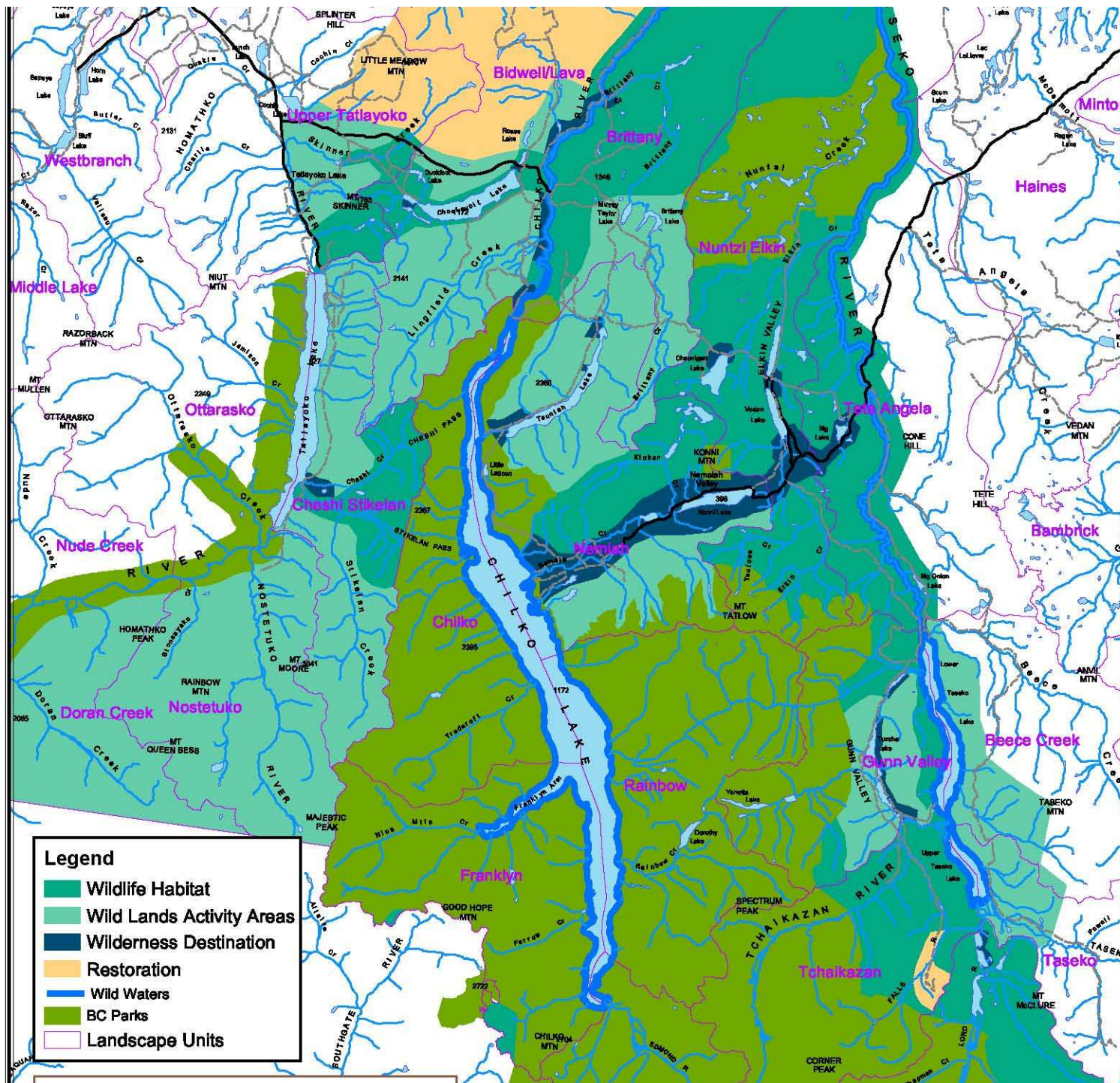


Xeni Gwet'in Fisheries Program

2006 to 2008

Courtesy of Canadian Geographic







2006 Objectives

- 1) Fish and Fish Habitat Assessments for the Nemaia Creek watershed. It should be noted that the Nemaia Creek watershed is the only Chilko Lake tributary that has not been inventoried for its fishery values...up until now.
- 2) Training of Band members will include Fish Identification, Fish Collection Methods, Data Research including Internet sourcing, Fish Habitat Assessment, Stream Surveys, Lake Surveys. The training will include both classroom instruction and field applications.
- 3) Report produced that detail known traditional and non traditional existing information, local fish species distribution, fish habitat identification, fish habitat condition, and identify activities that could maintain, protect and enhance their local fishery resource.

Lake Surveys



Stream Surveys



Fish Identification





Fish Habitat Assessments



***Data Collection – RISC
Standards***



Nemiah Creek



Ongoing Drought Conditions



8 Recommendations to help Nemaia Creek 2006

- *Creek Restoration*
- *Culvert Replacement*
- *Beaver Dams and Log Jams*
- *Enumeration*
- *Fisheries Protection*
- *Klokon Creek/Augers Lake Hydro Project*
- *Sturgeon Research*
- *Terminal Fishery Opportunity*

Creek Restoration



Culvert Replacement



Beaver Dams and Log Jams



Enumeration



Fisheries Protection



Community Consultation

- Ongoing dialogue with community members regarding fishery issues
- Community survey on the importance of the fishery
- Fish is an important part of the Xeni Gwet'in diet and is eaten an average of 2 times per week
- Sockeye, chinook, rainbow trout, Dolly Varden, bull trout

Klokon Creek Hydro Project



Sturgeon Research



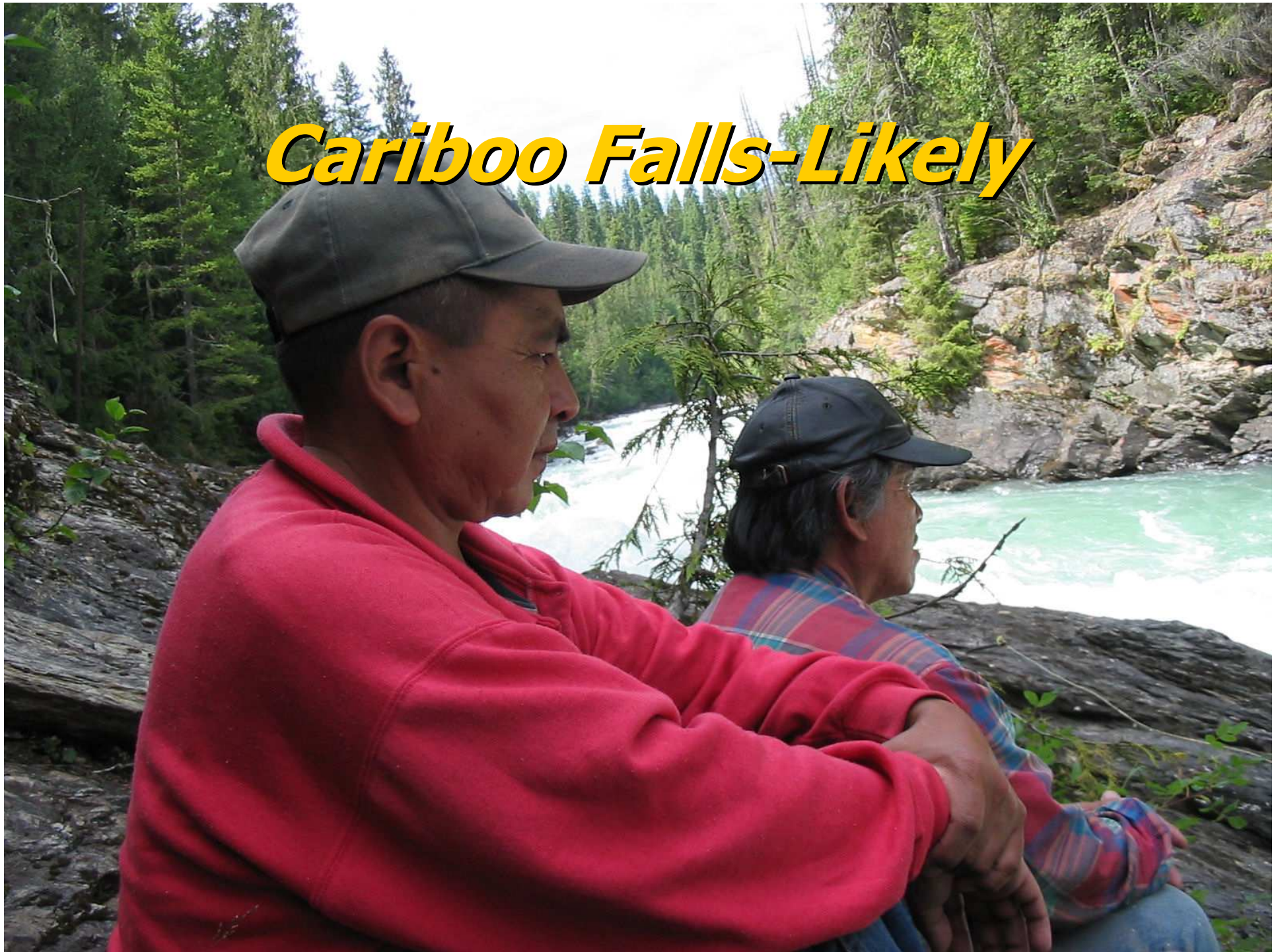
Terminal Fishery Opportunity



Food Fishery at Henry's Crossing



Cariboo Falls-Likely



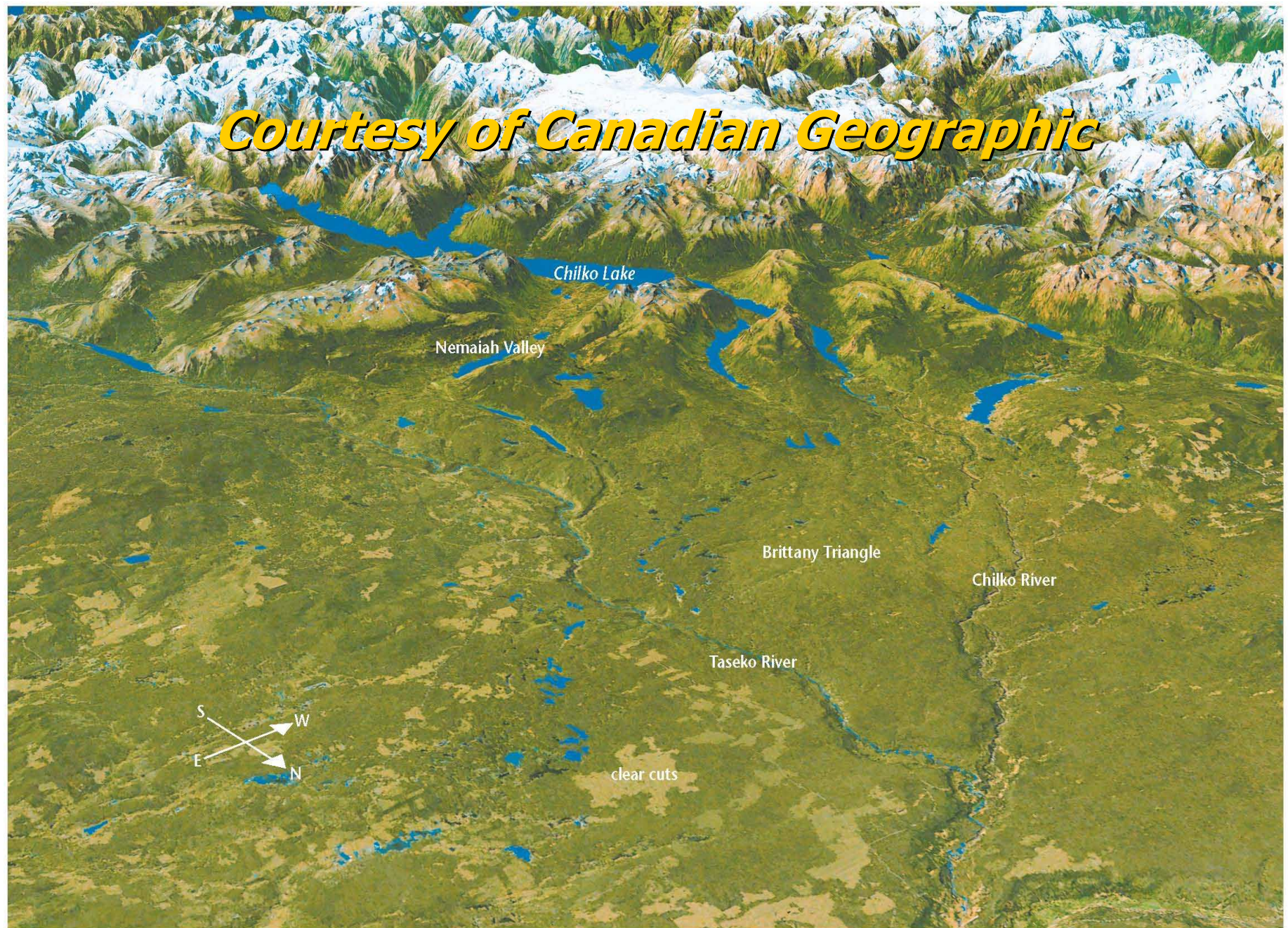
Horsefly Spawning Channel



2007 Field Season

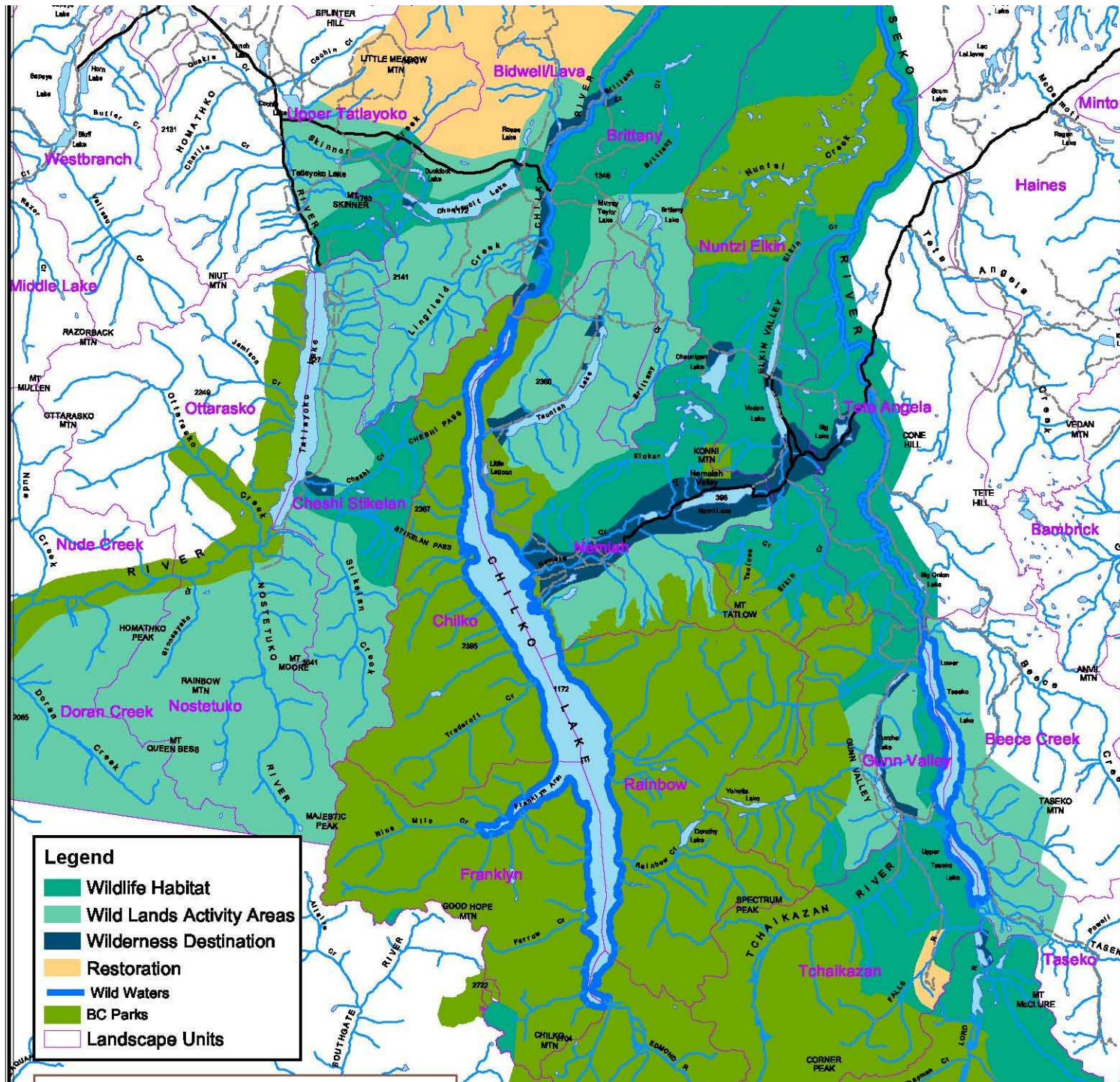
- The objective was to further capacity building beyond the Nemiah Creek watershed to several other watersheds in the Xeni Gwet'in Caretaker Area,
- And included a culvert inspection procedure run concurrently with the fish and fish habitat assessments

Courtesy of Canadian Geographic



2007 Stream/Lake Assessments

- Fish and Fish Habitat Assessments on 8 streams in Xeni Gwet'in Caretaker Area (XGCA) - RISC Standards
- Lake surveys undertaken on 4 lakes in the XGCA - RISC Standards
- **Streams:** Beece, Bidwell, Brittany, Elkin, Lastman, Little Lagoon, Linfield, Tsuniah
- **Lakes:** Abelach'ez, Big, Choelquoit, Onion,



Field Camp at Henry's Crossing



Long Winters = Hungry Fish





Beaver Dams



Lower Taseko Lake Stream Surveys



Traditional Knowledge



Lake Survey – Choelquoit Lake



Lake Survey – Choelquoit Lake



Fish for the Elders



Community Consultation

- Ongoing once again in 2007
- Gathering at Fish Lake
- Fish Lake proposed to be drained to enable the Prosperity Project to move forward – Gibraltar Mines
- Section 2 of the Fisheries Act now allows 16 lakes and streams in Canada to be sacrificed as tailings impoundments including Fish Lake
- Traditional food fishery for the Xeni Gwet'in

Water Sampling Program



***Crew and Friends Share Smoked Meat From Famous
Swartz's Deli - Montreal***



2007 Recommendations = 2008 Objectives

- Beaver dam and log jam clearance during sockeye migration-sockeye enumeration
- Choelquoit Lake stream reconnection
- Reconnect stream between Abelach'ez Lake and Chilko Lake
- Taseko River off channel habitat accessed
- Onion Lake stream restoration
- Riparian zone fencing

***Beaver Dam and Log Jam Removal
During Adult Migration***



Reconnect Stream to Choelquoit Lake



Choelquoit Lake



Choelquoit Lake



Reconnect Abelach'ez Lake



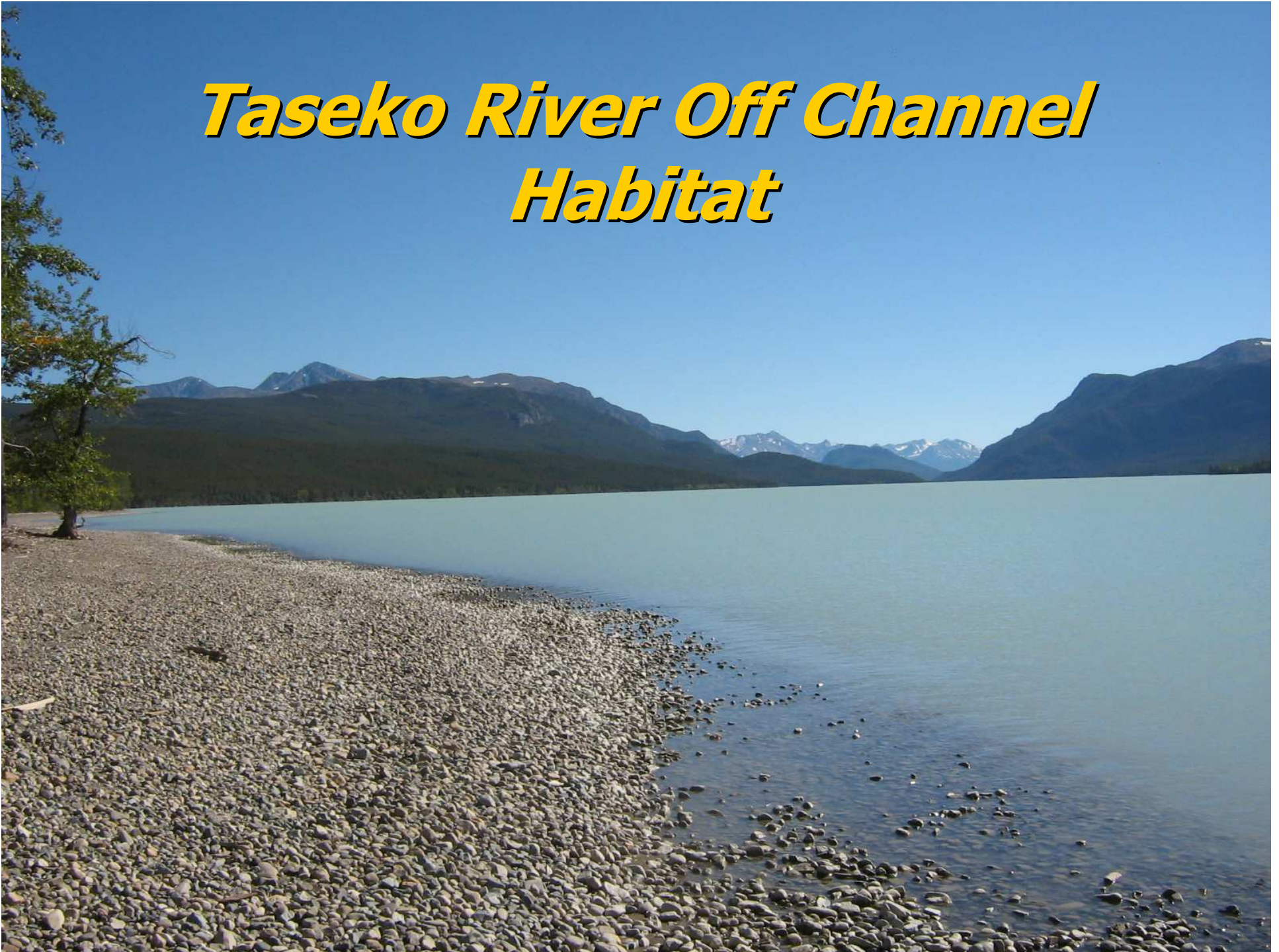
Abelach'ez Lake



Chilko Lake



Taseko River Off Channel Habitat



Taseko Lake



Taseko Lake Outlet



Onion Lake



Onion Lake Stream Restoration



Riparian Zone Fencing



Fencing \$????









Thank you to our Funders 2006 -2008

- Including the Fraser Salmon and Watershed Program
- BC Capacity Initiative
- Ministry of Environment MPB Initiative
- Community Economic Opportunities Program
- CCATEC
- In kind from Chilko Resorts and Community Association, TNG, UNBC

***Thank you to the Xeni Gwet'in
People of Nemiah***

