

T̓silhqot'in National Government

WATER QUALITY & QUANTITY

Monitoring Program



The Water Quality and Quantity (WQQ) Monitoring Program advances data sovereignty for the T̓silhqot'in Nation and member communities. This supports proactive decision making on water issues, which is critical to responding to climate change and other impacts on water, fish habitat, and watershed health.

**T̓SILHQOT'IN NATION LEADERSHIP IN
WATER GOVERNANCE AND MANAGEMENT**



WQQ Focus for 2021

2021 TNG WQQ Objectives

1. Build T̓ilhqot'in capacity on water issues
2. Install 8-10 initial stations in critical T̓ilhqot'in salmon nursery areas, as identified in collaboration with TNG Leadership
3. Establish indicators for watershed health, including climate change impacts
4. Complement existing government monitoring stations for more comprehensive water monitoring
5. Build T̓ilhqot'in data sovereignty (ownership and control of data)

2021 Program Timeline

April - June:

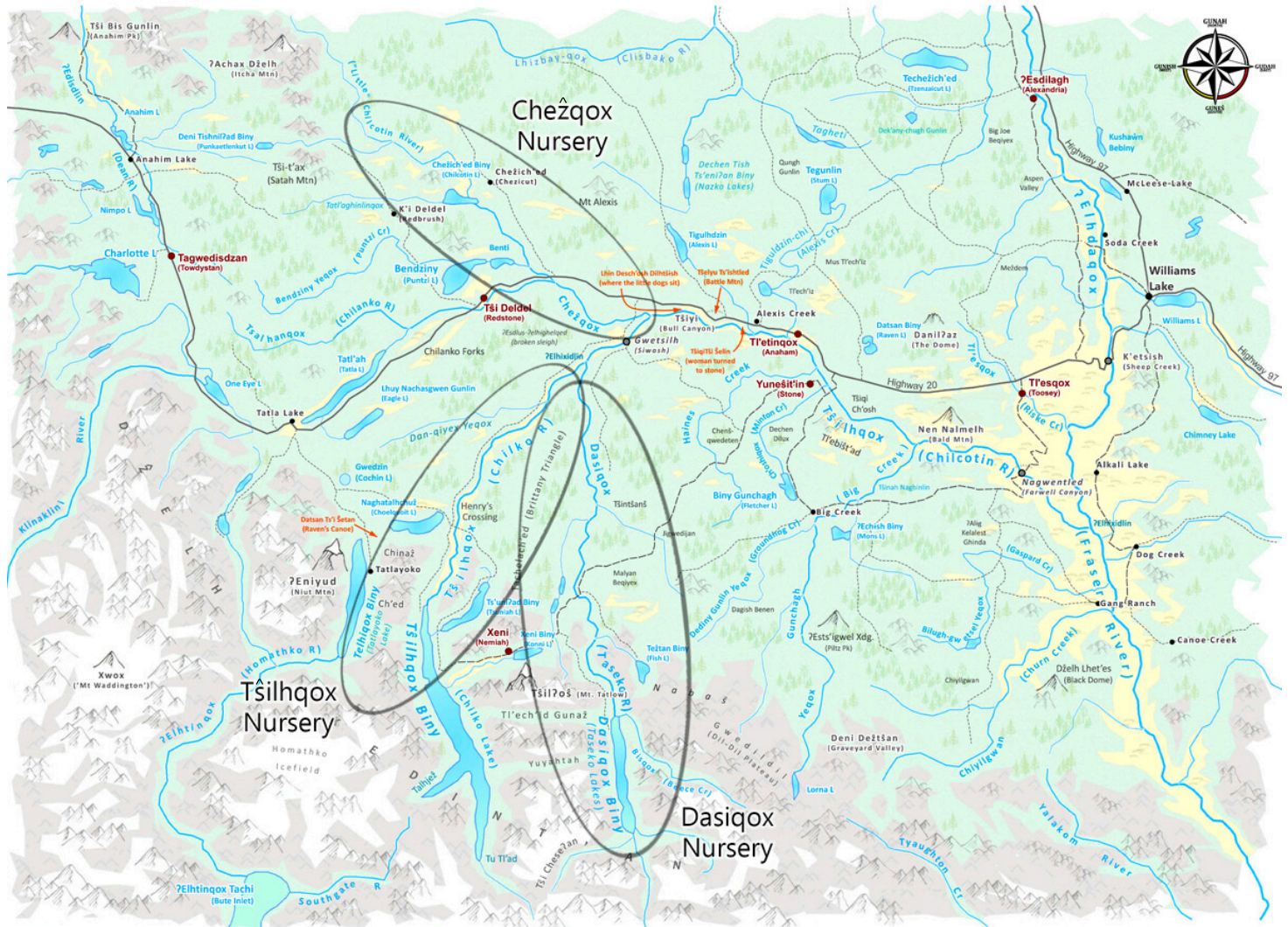
- Site evaluation and staff training for new monitoring stations

July:

- Installation of monitoring stations

Fall:

- Opportunities for site visits—we look forward to bringing community members out to see the stations in action!
- Active monitoring of critical T̓ilhqot'in salmon nursery areas



Supporting TNG Water Leadership

The Water Quality and Quantity monitoring program was identified as a priority by Tłilhqot'in Leadership, and is part of TNG's 5-year Fisheries Action Plan. TNG Fisheries Department staff and Leadership worked together to select monitoring locations based on Nation-wide interests and objectives. Three critical salmon nursery areas were identified in the Tłilhqox (Chilko), Dasiqox (Taseko), and Chełqox (Chilcotin) river systems. The site locations also complement existing stations operated by government agencies such as Environment Canada, Fisheries and Oceans Canada, and the Water Survey of Canada, e.g. the Marguerite Station on the ʔElhdaqox [Fraser River] near ʔEsdilagh, and will contribute to more comprehensive water monitoring in the region.

From site selection, to field work, to data ownership and management, the WQQ program is designed and led by and for the Tłilhqot'in Nation and member communities. It supports capacity building, timely access to high quality data, and leadership in water governance and management—all critical to proactive decision making on water, and responding to climate change and other impacts on fish, habitat, and overall watershed health.

The WQQ program is a collaborative effort between the TNG Fisheries Department and the TNG Rangers. Thanks to the Rangers for going above and beyond to support this project!

The TNG Fisheries Department works to rebuild and recover all salmon species in T̂silhqot̂in Territory to protect biodiversity and support thriving, resilient, and sustainable traditional fisheries.

Healthy salmon populations are essential to food security, biodiversity, ecosystem health, T̂silhqot̂in cultural practices, and Title and Rights.

Working closely with T̂silhqot̂in Leadership and communities, along with provincial and federal government partners, we deliver several projects and programs that support Nation-wide priorities and objectives.

For more information please visit

www.tsilhqotin.ca/fisheries/water-monitoring

