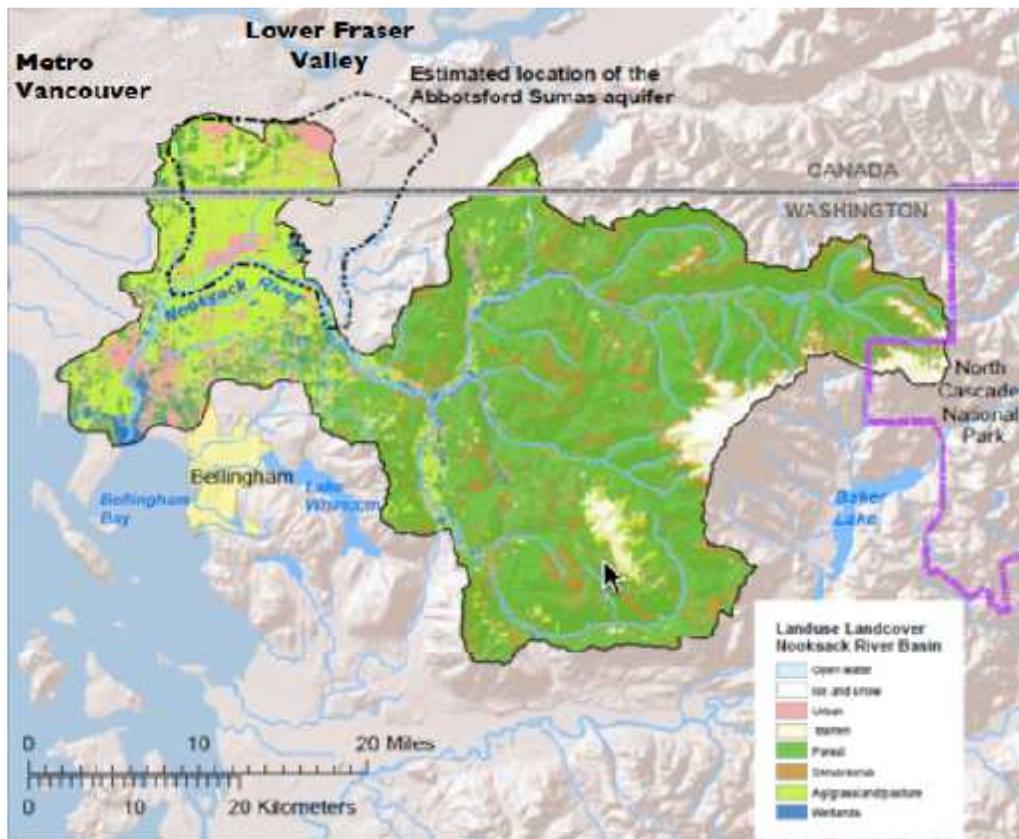


Towards a Transboundary Nitrogen Management System Nitrogen Assessment and Management –

Northwest Transboundary Regional Collaboration*





Canada
 United States
 British Columbia Washington
 Lummi and Nooksack Nations

Nitrogen Sources

Agriculture

Urban

Known Effects

Groundwater contamination

Air Quality

Possible Effects

Shellfisheries

Surface Water

Next Steps: Assessment

- Quantify N Inputs (*from agriculture, forestry, urban sources and air*)
- Identify Fate and Transport (*in freshwater, groundwater, soil storage, crop removal, denitrification, delivery to estuary, air emission/exchange*)
- Quantify effects (*on drinking water, air quality, surface waters, linking N and pathogen impacts, fisheries impacts*)

Next Steps: Management

- Community and technical engagement to identify common ecological goals for sustainable land and water management
- Collaborative research to identify practical and sustainable solutions
- Apply solutions, monitor results, and adaptively manage to achieve agreed upon goals.