BORDERS IN GLOBALIZATION
Yukon River Inter-Tribal Watershed Council (YRITWC)

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THE YUKON RIVER WATERSHED

Twice the size of California!
Community-Based Monitoring

Spectrum of Local Participation

A process where ‘stakeholders’ “collaborate to monitor, track and respond to issues of common community concern” (Whitelaw et al., 2003, p. 410).

“Listening to an elder’s story is one way to learn about the past, present and future. Monitoring is similar to an elder’s story. It can also provide information about the past and the present that can help us make decisions about the future” (Parlee and Lutsel K’e Dene First Nation, 1998. p. 6).
Existing data resources

- USGS National Water Information System

Yukon Water Strategy
Long-Term Water Quality Station Expansion

- Current Stations
1. Klondike River upstream Bonanza Ck
2. South McQuesten River downstream Flat Ck
3. Rose Creek above Anvil Ck
4. Yukon River upstream Takini River
5. Dezdeash River at Haines Junction
6. Yukon River at Marsh Lake NCPC dam
7. Alsek River upstream Bates River
8. Liard River at upper crossing

- 2014 Station Installations
9. Porcupine River at Old Crow
10. Old Crow River at mouth

- Future Stations
11. Eagle River at Dempster Hwy
12. Ogilvie River
The Indigenous Observation Network (ION)

26 Tribes & First Nations / 57 Sites / Well over 1,500 water samples collected
Community Reports

2015
WATER QUALITY
NENANA
ION
WATER QUALITY
NULATO
TR’ONDËK HWECH’IN FIRST NATION
Water Quality in the Yukon River Basin, Alaska and Canada, Water Years 2009-2013

Paul F. Schuster and Nicole M. Hensman-Mercer

Introduction

This is the second water-quality data series resulting from the ongoing partnership between the Yukon River Inter-Tribal Watershed Council (YRITWC) and the U.S. Geological Survey (USGS). The first data series (2006-2008) can be found at http://pubs.er.usgs.gov/publication/ofr20091243. The Yukon River Basin (YRB) is the fourth largest drainage basin in North America (855,000 km², roughly twice the size of California). (More detailed descriptions can be found in Schuster and others, 2010 and Brabets and others, 2000.) To better understand the effects of climate change on the water quality of the Yukon River and its major tributaries, the USGS and the YRITWC developed a water-quality monitoring program with a vision to create a long-term database. This report contains water-quality data from samples collected in the Yukon River Basin during water years (WY) 2009 through 2013. A broad range of chemical analyses from 61 locations throughout the YRB are available here.

In collaboration with the USGS, the YRITWC developed a water-quality monitoring program that utilizes the USGS.

The Active Layer Network: a collaborative project between the US Geological Survey, Yukon River Inter-Tribal Watershed Council, and Yukon River Communities. A five year summary report for Chevak
Isotope Tracer Data - ION

Yukon River Water Isotope Data
Interpretation of Canadian Indigenous Observation Network Results

Northern Climate ExChange
YUKON RESEARCH CENTRE - Yukon College