Generating Credible Community-Based Data

Examples from British Columbia

Advancing Citizen Science in Alberta

September 25-26 2018
OVERVIEW

• Who we are & what we do
• Lake Windermere Project – Sensitive Habitat Inventory Mapping
• Columbia Basin Groundwater Monitoring Program
• CABIN Monitoring
• Policy research, collaboration & program planning
• Key Lessons for generating credible data
OUR MANDATE

Living Lakes Canada facilitates collaboration in education, monitoring, restoration and policy development initiatives for the long-term protection of Canada's lakes, rivers, wetlands and watersheds.

We build and support cross-sector collaboration and applied research for implementation and decision-making in water stewardship.
Sensitive Habitat Inventory Mapping

- Foreshore Inventory and Fish & Wildlife Habitat Assessment
- Development of Shoreline Management Guidelines
- Public outreach and education
- Implementation by agencies
- Monitoring and compliance
Kootenay Lake Partnership

www.kootenaylakepartnership.com
COLUMBIA BASIN GROUNDWATER MONITORING PROGRAM

Goal:
To help manage and protect groundwater resources in the Columbia Basin by:

• Filling knowledge gaps
• Providing information to decision makers
• Engaging citizens
WHAT WE DO

• Monitor groundwater levels in priority aquifers

• Education & Outreach

• Additional studies to fill data gaps and inform residents
Generating Credible Data

• Follow Provincial Groundwater Observation Well Network Standards

• Work with local and First Nation governments to expand the program and identify local priority data needs

• Plan to share the data on the Provincial Government’s BC Real-Time Water Data Portal
Canadian Aquatic Biomonitoring Network (CABiN)
WHAT WE DO

• Deliver CABIN training workshops across Canada
• Interweave Indigenous Knowledge
• Field Test environmental DNA (eDNA)
Scientifically Credible Data & Data Sharing

Photo: ECCC - CABIN
Case Study: Windermere Creek
# Community-Based Water Monitoring and Decision Making

An ELC Clinic report prepared for:
Living Lakes Canada and The Gordon Foundation

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**JULY 2018**

## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Summary</td>
<td>1</td>
</tr>
<tr>
<td>Table of figures</td>
<td>5</td>
</tr>
<tr>
<td>Abbreviations</td>
<td>5</td>
</tr>
<tr>
<td>Introduction</td>
<td>6</td>
</tr>
<tr>
<td>1. The United States of America</td>
<td>8</td>
</tr>
<tr>
<td>New York</td>
<td>9</td>
</tr>
<tr>
<td>Oregon</td>
<td>10</td>
</tr>
<tr>
<td>Summary and Application in Canada</td>
<td>14</td>
</tr>
<tr>
<td>2. Australia</td>
<td>16</td>
</tr>
<tr>
<td>Victoria</td>
<td>18</td>
</tr>
<tr>
<td>South Australia</td>
<td>20</td>
</tr>
<tr>
<td>Summary and Application in Canada</td>
<td>24</td>
</tr>
<tr>
<td>3. The European Union</td>
<td>25</td>
</tr>
<tr>
<td>Scotland</td>
<td>26</td>
</tr>
<tr>
<td>Finland</td>
<td>51</td>
</tr>
<tr>
<td>Summary and Application in Canada</td>
<td>34</td>
</tr>
<tr>
<td>4. Methodology</td>
<td>36</td>
</tr>
<tr>
<td>Application in Canada</td>
<td>37</td>
</tr>
<tr>
<td>Future Research</td>
<td>39</td>
</tr>
</tbody>
</table>
An Integrated Lake Monitoring Framework for British Columbia

Prepared for:
BCLSS
Living Lakes Canada

April 19, 2018
Prepared by:
Norm Zimbel, Rick Nordin, Dawn Roulstone, Heather Leschied, Kat Hartwig
COMMUNITY ENGAGEMENT IN WATERSHED GOVERNANCE:
Case Studies and Insights from the Upper Columbia River Basin

June 1, 2018
WATER DATA HUB

CRACKING THE CODE [IN 3-D]

DECIDE - DESIGN - DO

AN OPEN SOURCE DATA DIALOGUE TOWARDS A COLUMBIA BASIN WATER MONITORING FRAMEWORK

NOVEMBER 29-30, 2017
INVERMERE, BC

CONFERENCE SUMMARY

Table of Contents

Background .......................................................................................................................... 2
DECIDE - About a Columbia Basin Water Monitoring Framework .................................. 4
WHY do we need a water monitoring Framework? ...................................................... 4
WHAT water monitoring information is needed? ......................................................... 6
WHO needs to be involved in a Columbia Basin water monitoring framework? .......... 7
Key Framework Elements .............................................................................................. 8
DESIGN – A Columbia Basin Specific Water Monitoring Data HUB .......................... 9
DO – Moving Forward ............................................................................................... 13

THANK YOU TO OUR FUNDERS

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Community-Based Water Monitoring
National Survey Highlights, February 2018

WHY THIS SURVEY?

Our survey revealed that there are tangible opportunities to increase federal-level support for CBWM and that a considerable appetite exists for a collaborative, national discussion on the topic. The survey was created to set priorities for the discussion and gauge stakeholder interest in participating in such a gathering.

This summary provides an overview of the survey results and synthesizes recommendations to help direct next steps for a national discussion on how to advance CBWM in Canada.

WHO WE HEARD FROM

A total of 146 people responded to the survey. A broad geography was reached with responses concentrated in British Columbia and Ontario. We heard from technical leads, project coordinators, executive directors, volunteers, policy analysts, researchers, funders, government representatives, and many more.

Alberta: 8%
KEY LESSONS

• Have a clear understanding of project objectives and how data can be used

• Develop partnerships with key organizations and established programs

• Follow standard data collection protocols

• Have a “home” for the data that is well known and merges with existing data

• Allocate resources to manage and format the data in ways that it is useful to others

• Take a phased approach
QUESTIONS?

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