

Annual Highlights 2016-17



Annual Highlights Report

April 2016 – March 2017

the inaugural year for SWC programs

Water Monitoring Initiative Water Protection Initiative

Safe Recreation

Communications & Advocacy





Water Monitoring Initiative

Annual Highlights Report

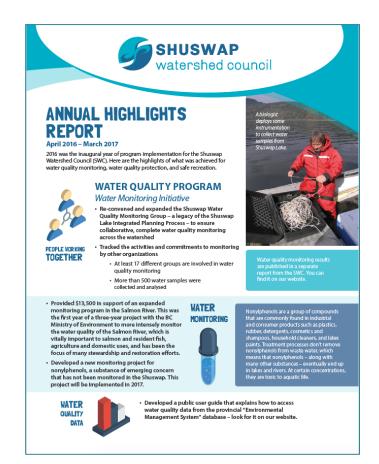
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Water Monitoring Initiative:

The SWC worked on three kinds of projects related to water quality monitoring:

- 1. Coordinated people working together
- Provided support for additional water quality monitoring
- 3. Investigated and improved public access to water quality data







Water Monitoring Initiative:

- 1. Coordinated people working together
- Facilitated the Shuswap Water Quality
 Monitoring Group
 There are up to 17 groups/organizations involved in
 water quality monitoring in the watershed. The
 monitoring group works in a spirit of collaboration
 – participation is voluntary.
- Served as a central 'tracker' for all water quality monitoring activities in the watershed.
 No other organization serves this function.
 Up to 500 water samples are collected annually







Water Monitoring Initiative:

- 2. Provided support for additional water quality monitoring
- Provided \$13,500 for extra monitoring on the Salmon River, an important tributary to Shuswap Lake
- Developed a new monitoring project for nonylphenols that begins this year Nonylphenols are a substance of emerging concern, and have not been monitored in the Shuswap. They are found in many commercial and industrial products. Treatment processes don't remove nonylphenols from waste water, which means they eventually end up in lakes and rivers. They can be toxic to aquatic life.







Water Monitoring Initiative:

- 3. Investigated and improved public access to water quality data
- Created a user-guide to access the Environmental Monitoring System (EMS), the Province's online data warehouse that contains water quality data and more As of early May, the user-guide is in production and will be posted online soon!





Water Protection Initiative

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Water Protection Initiative:

The SWC worked on four kinds of projects related to water quality protection:

- 1. Coordinated people working together
- 2. Conducted water quality research
- 3. Supported water quality restoration
- 4. Education

SHUSWAP watershed council ANNUAL HIGHLIGHTS 2016 was the inaugural year of program implementation for the Shuswap Watershed Council (SWC). Here are the highlights of what was achieved for water quality monitoring, water quality protection, and safe recreation. WATER QUALITY PROGRAM Water Monitoring Initiative · Re-convened and expanded the Shuswap Water Quality Monitoring Group – a legacy of the Shuswap Lake Integrated Planning Process - to ensure collaborative, complete water quality monitoring across the watershed Tracked the activities and commitments to monitor by other organizations At least 17 different groups are involved in water quality monitoring More than 500 water samples were collected and analysed · Provided \$13,500 in support of an expanded WATER monitoring program in the Salmon River. This was the first year of a three-year project with the BC MONITORING Ministry of Environment to more intensely monitor the water quality of the Salmon River, which is vitally important to salmon and resident fish, agriculture and domestic uses, and has been the focus of many stewardship and restoration efforts · Developed a new monitoring project for nonylphenols, a substance of emerging concern that has not been monitored in the Shuswap. This project will be implemented in 2017. Developed a public user guide that explains how to access water quality data from the provincial "Environmental Management System" database - look for it on our website





Water Protection Initiative:

- 1. Coordinated people working together
- Established a Water Protection Advisory
 Committee, with diverse representation, to
 support the work of the SWC
 The committee makes recommendations related to
 water quality restoration, education, and
 partnership opportunities







Water Protection Initiative:

- 2. Conducted water quality research
- Entered into a research agreement with UBC-Okanagan to determine the sources of nutrients in the Shuswap and Salmon Rivers The three-year research project will wrap up in 2019. It will answer the following questions:

Are there excess nutrients in the rivers not from the natural environment?

If so, where are they coming from and how are they getting into the rivers?

2016 was the first year of study. 20 monitoring sites were established, and over 250 samples were collected and analyzed.





Water Protection Initiative:

- 3. Supported water quality restoration
- Provided \$10,000 to Splatsin Development Corporation on Alderson Creek, a tributary to Shuswap River.
 - A 2-km reach was cleaned and re-configured, and restored with riparian vegetation and livestock exclusion fencing. Several groups worked together to make this happen, including Splatsin First Nation, BC Cattlemens Association, and private land-owners.

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Water Protection Initiative:

- 4. Fducation
- Provided financial support to the North
 Okanagan Dairy Extension Advisory
 Committee for a guest presenter at their
 annual industry seminar





Safe Recreation:

The SWC worked on two kinds of projects related to safe recreation on and near the water:

- 1. Education
- 2. Equipment

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Safe Recreation





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Safe Recreation:

- 1. Education
- Established partnership with Royal Canadian Marine Search and Rescue (RCM-SAR) to create safety campaigns
- Delivered campaigns May September Campaigns focused on lifejacket use, cold water safety, sober boating, and boating preparedness
- Created and distributed rack card
- 2. Equipment
- Provided \$1200 to RCM-SAR for a PFD Loaner
 Station at the Salmon Arm Wharf
- Purchased and distributed water safety whistles to recreationists





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Communications and Advocacy:

Educational, informative and transparent communications are an important part of the SWC's work. Here's a summary of what was done in 2016-2017:

- Informative communiqués about the SWC and its work
- Highlights reports and detailed summaries from SWC meetings
- Up-to-date online presence: website, Facebook and Twitter
- Correspondence with the Province regarding aquatic invasive mussels
- Attendance and presentations at events

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Administration & Governance

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<u>Administration and Governance:</u>

- Finalized the Terms of Reference for the Shuswap Watershed Council The TOR sets out the roles, responsibilities, expectations, and decision-making for council members
- Established criteria for including community representatives in council membership, and welcomed three representatives in May 2016
- Met four times per year, once per quarter

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2016-17 budget and expenses

Contributor	Amount (\$)
Columbia Shuswap Regional District (Areas C, D, E, F and District of Sicamous)	108,900
Thompson-Nicola Regional District	53,600
City of Salmon Arm	40,000
2016 surplus (carried forward from March 31, 2016)	56,240
Total revenue for 2016-17	258,740



2016-17 budget and expenses, continued

Activity	Budgeted (\$)	Expenses (\$)	Variance (\$)
Water Quality Program, Water Monitoring Initiative	57,800	37,716	20,084
Water Quality Program, Water Protection Initiative	72,500	75,691	-3191
Water Quality Contingency Fund	20,000	0	20,000
Recreation Safety Education Program	9500	12,760	-3260
Communications and Advocacy	27,500	15,587	11,913
Administration and Governance	29,000	35,672	-6672
Operating Reserve	42,440	0	42,440
Summary of expenses for 2016-17	258,740	177,426	81,314



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