

AGENDA PACKAGE FOR:

Council Workshop
Wednesday February 12th | 12:00 PM – 4:00 PM
Columbia Shuswap Regional District Boardroom
555 Harbourfront Drive NE, Salmon Arm

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1.	Discussion Paper	12:45

Discussion Paper

A review of the Shuswap Watershed Council's accomplishments, achievements and challenges since the inception of its programs in 2016, and recommendations for the continuation of its program operations

Who We are

About the Shuswap Watershed Council

The SWC was established in 2014 as a watershed-based partnership to enhance water quality and safe recreation in the Shuswap. There are 18 members that represent three regional districts, two municipalities, the Secwepemc Nation, two provincial government agencies, and Shuswap communities. The SWC is a collaborative, non-regulatory group. It works alongside organizations that have regulatory roles in managing the Shuswap watershed, complementing their work and carefully avoiding duplication.

Our Vision

Enhanced water quality that supports human and ecosystem health and the local economy in the Shuswap watershed.

Staff

The Fraser Basin Council, a provincial non-government organization, provides contract staff services to the Shuswap Watershed Council.

What We Do

Our Objectives

The SWC's objectives are to maintain and enhance water quality in the Shuswap watershed through collaboration with water quality monitors; to coordinate and report on water quality in the Shuswap; to inform residents and visitors about water quality in the Shuswap, and advocate for good practices to prevent water quality degradation, and to encourage safe behaviour by recreationists on and near the water.

The Work

The SWC's work on water quality and safe water-based recreation is guided by its five-year plan.

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Section 1. Accomplishments, achievements, and challenges since the inception of program operations in 2016

Significant accomplishments and achievements are described below, organized by each of the SWC's program areas. The status of each item is noted, as well as any noteworthy challenges associated with each item.

A. Governance and representation

- Established a Council of 18 representatives from the Columbia Shuswap Regional District, District of Sicamous, City of Salmon Arm, Secwepemc Nation, Thompson-Nicola Regional District, Regional District of North Okanagan, BC Ministry of Environment and Climate Change Strategy, BC Ministry of Agriculture, and the community-at-large
Status: Ongoing
Noteworthy challenge: Syilx (Okanagan) Nation, which asserts title in a portion of the Shuswap watershed around the Salmon River, has been invited to participate in the SWC and appoint a representative; the SWC has not received a reply.
- Established a Terms of Reference for the SWC to abide by; it sets out the purpose, role, membership, decision-making, and administration of the Council.
Status: Complete; modifications made as needed
- Established a Water Quality Monitoring Group and a Water Protection Advisory Committee that support the SWC and work with the program managers to implement the programs. The WQM Group and the WP Advisory Committee each have their own Terms of Reference that states their roles, responsibilities, and membership.
Status: Ongoing

B. Financial partners and contributors

- At its inception, the work of the SWC was supported by contributions from the CSRD (Areas C, D, E and F, and Sicamous), the Thompson-Nicola Regional, and the City of Salmon Arm. In 2017, Adams Lake Indian Band became a financial partner. Each organization has its own means of contributing.
Status: Ongoing; CSRD watershed service bylaw will reach its term, and would need to be renewed on or before December 31st 2020 for the SWC to continue.
- One representative each from the BC Ministry of Environment and Climate Change, and the BC Ministry of Agriculture provide in-kind expertise to the SWC; additionally, four community representatives provide valuable input on an in-kind basis to the SWC
Status: Ongoing; community representatives to be renewed by March 31st 2022.
- Grant funding was obtained from Transport Canada's Boating Safety Contribution Program, in the amount of \$19,500, in 2019.
Status: Complete; a subsequent application for funding in 2020 has been submitted

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C. Water quality monitoring

- The SWC convenes the Shuswap Water Quality Monitoring Group twice per year to enable dialogue, information sharing, planning, and to identify and reduce potential redundancies or duplication with respect to water quality monitoring and. Many organizations – up to 18 – from across the Shuswap are represented on the Monitoring Group including municipalities, regional districts, first nations, health organizations, and the BC Ministry of Environment.
Status: Ongoing
- The SWC serves as a ‘tracker’ of monitoring activities across the watershed, with input from participating water monitoring organizations
Status: Ongoing
- The SWC published a user guide for the provincial Environmental Monitoring System, to enable easier use of the water quality database by the general public
Status: Complete (*since the publication of the user guide, the Province has made improvements to the database and the user guide is no longer relevant. These improvements were anticipated when the guide was produced*).
- The SWC partnered with the BC Ministry of Environment to complete attainment monitoring on the Salmon River, a tributary to Shuswap Lake of significant importance, from 2016-19. Funding contributions of \$47,550 (over three years) from the SWC enabled this to be done.
Status: Complete (results currently being compiled by MOE staff)
- The SWC initiated a special monitoring project to test for the presence of a group of synthetic compounds called nonylphenols in Shuswap Lake, in 2017. Nonylphenols are a substance of emerging concern, and are not routinely monitored in Shuswap Lake by regulatory agencies.
Status: Complete; results were reported in the 2017 Shuswap Water Quality Report

D. Water quality reporting

- The SWC has produced three annual Shuswap Water Quality Summary Reports, to-date. Some monitoring organizations share their data and expertise with the SWC for including in the reports. The production and promotion of the annual reports are done at a cost of \$15,000 - \$18,000 each, to the SWC.
Status: Ongoing, next report (2019) to be completed in June 2020.
- The SWC has produced a nutrient research report summarizing the results of the research by UBC – Okanagan (see point E, directly below).
Status: Production is being finalized; distribution and promotion will begin soon

E. Water quality research

- The SWC is partnering with researchers at UBC – Okanagan on a study to learn about nutrients in the Shuswap watershed, with a focus on the Shuswap River and Salmon River. To-date, the SWC has invested \$150,000 over three years in this research. This is the first research of its kind in the Shuswap watershed. Interim results have shown us which regions of the watershed and which land use types contribute the most significant amount of nutrients to the rivers, on a kg/hectare/year basis.
Status: Field work and data collection is complete; reporting is underway
Noteworthy challenges: Final reporting is delayed (was originally anticipated August 2019; still incomplete at the time of writing this discussion paper)

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- The SWC is partnering with researchers at UBC – Okanagan on a second phase of nutrient research to learn about historic nutrient loads (~ 150 years past) to Mara Lake via Shuswap River. This project includes the collection of a sediment core from the bottom of Mara Lake. The results will show us how human settlement and development are correlated to long-term changes in water quality.

Status: Ongoing; results anticipated Spring 2020

F. Water quality improvement projects

- In 2016, the SWC provided a grant of \$10,000 to Yucwmenlucwu, a resource management company owned and managed by Splatshin First Nation, to restore a section of Alderson Creek (tributary to Fortune Creek and the Shuswap River). Livestock exclusion fencing was installed and the riparian area was restored with new plants.

Status: Complete

- In 2017, the SWC provided Gardom Lake Stewardship Society with a grant of \$10,000 to restore a wetland along Gardom Creek, the in-flow to Gardom Lake. This work was completed in 2017 and 2018.

Status: Complete

Noteworthy challenge: the Water Quality Grants Program received minimal response and applications for grant funding. In 2018, a third grant of \$10,000 was available but there were no suitable applications for the funding, and it was not spent. It's perceived by staff that the amount of funding (maximum \$10,000 grants, once per year) was too low to entice potential applicants.

G. Safe Recreation

- The SWC runs several safe boating and safe water-based recreation campaigns during the summer months. Campaigns focus on lifejackets, sober boating, cold water awareness, drowning prevention, and boating preparedness and are delivered through various media including rack cards, posters, newspaper articles, social media, and paid advertising. The SWC's reach through these campaigns grows each year; in 2019, it's estimated the campaigns reached over 100,000 residents and visitors at a cost of approximately \$22,000.

Status: Ongoing

Noteworthy challenge: It is difficult to assess the impact of these campaigns. Ideally the number and severity of water-related incidences would decrease, however their frequency is contingent upon factors external to the work of the SWC.

- The SWC has formed an excellent relationship with the Royal Canadian Marine Search & Rescue (Station 106 Shuswap), the volunteer organization that provides rescue and medical services to recreationists in need. The SWC has supported the construction of two (out of 14) of their Lifejacket Loaner Stations with two financial contributions of \$1200 each. Additionally, the SWC provided a \$2000 grant toward a regional training centre feasibility study. The partnership with RCM-SAR has brought significant collateral benefits to the SWC, including improved awareness and better planning for safety campaigns.

Status: Ongoing

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H. Zebra & Quagga mussel prevention

- The SWC partners with the Columbia Species Invasive Species Society (CSISS) to monitor the Shuswap watershed for aquatic invasive Zebra and Quagga mussels (ZQM). The SWC has provided CSISS with \$15,000 in each of 2018 and 2019, which has enabled them to expand their monitoring program significantly. In 2018, 28 sites on 14 water bodies in the Shuswap were monitored for ZQM.
Status: Ongoing
- The SWC promotes invasive mussel prevention extensively through the spring and summer boating/tourism season. Messages of 'Clean-Drain-Dry' and promoting the Province's watercraft inspection stations through media such as signage, newspapers and other print media, social media, and face-to-face reached over 650,000 people in 2019 alone at a cost of approximately \$30,000 to the SWC.
Status: Ongoing

I. Communications

- The SWC has produced Annual Highlights Reports covering its key activities, accomplishments and expenses for each year of its program operations (2016, 2017, 2018 to-date)
- The SWC maintains an up-to-date website and has an active presence on social media
- Meeting summaries and financial reports are posted online, and shared with all SWC partner organizations
- Media releases prepared on an as-needed basis to inform residents of the Shuswap about the SWC's activities, achievements, and announcements.

Status: Ongoing

J. Advocacy

- The SWC corresponds with senior orders of government to express its viewpoints and concerns about water quality, and call for more action, support and/or funding from senior agencies. Most recently, it sent a letter to the new Minister of Fisheries and Oceans, jointly penned with the Okanagan Basin Water Board, to ask for more support to prevent a new invasion of Zebra and Quagga Mussel to BC. The SWC has advocated for more support on this issue on several other occasions:
 - The SWC appeared as a witness before the federal Standing Committee on Fisheries and Oceans in their review of the Aquatic Invasive Species Strategy (April 2019)
 - The SWC has written to former federal Fisheries Minister Jonathan Wilkinson and North Okanagan – Shuswap Member of Parliament Mel Arnold about the issue
 - The SWC has written to the BC Minister of Environment on two occasions to express support for the provincial Invasive Mussel Defence Program, and call for expansion of the watercraft inspection program.

Status: Ongoing

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K. Interim Program Review

- The SWC completed an interim program review in 2018. The review was carried out by a committee of six people: four SWC members, and two other members-at-large. The committee considered the SWC's program performance and achievements, financial management, and staff services. These were assessed against the SWC's objectives and performance indicators. The results of the review were positive, and the committee recommended the SWC stay the course and continue their work on water quality and safe recreation.

Status: Complete

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Section 2. Recommendations for the continuation of the SWC's programs

A. Governance and representation

Recommendation 1: review Shuswap Terms of Reference (current version is v. 5, March 2019) in 2020 and make any modifications, as appropriate, as a good 'housekeeping' practice.

B. Financial partners and contributors

Recommendation 2: seek the inclusion of the City of Salmon in the renewal of CSRD Bylaw #5705, *A bylaw to establish the Shuswap Watershed Council Service*

Recommendation 3: seek support from all municipalities and electoral areas within the Shuswap watershed portion of the Regional District of North Okanagan, to enable equitable support of the SWC from all local governments within the watershed.

Recommendation 4: maximize opportunities to leverage funding from other organizations

C. Water Quality Monitoring

Recommendation 5: Continue with on-going activities, as noted above in Section 1.

D. Water Quality Reporting

Recommendation 6: Continue with on-going activities, as noted above in Section 1.

E. Water Quality Research

Recommendation 7: Continue with on-going activities, as noted above in Section 1, and fulfill contractual obligations with research partners.

F. Water Quality Improvement Projects

Recommendation 8: The SWC have a full discussion and consider the costs, benefits, challenges and opportunities of the Water Quality Improvements Projects, and the appropriate role and jurisdiction of the SWC in undertaking this work. Points to consider:

- This component of the SWC's program operations represents the single largest budgetary item (\$100,000 over two years, 2019-20 and 2020-21)
- It could be perceived as better suited to a different jurisdiction, or it could be perceived as progressive action at the local level
- It adds value and builds upon the results of the water quality research
- Acknowledge that there is no 'silver bullet' to improve or protect water quality through the reduction of nutrient inputs
- Acknowledge the anticipated 'time lag' in observing improvements to water quality.

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G. Safe Recreation

Recommendation 9: Continue with on-going activities, as noted above in Section 1.

H. Zebra & Quagga mussel prevention

Recommendation 10: Continue with on-going activities, as noted above in Section 1, with a slightly increased budget to enable more outreach.

I. Communications

Recommendation 11: Continue with on-going activities, as noted above in Section 1.

J. Advocacy

Recommendation 12: Continue with on-going activities, as noted above in Section 1.

K. Interim Program Review

Recommendation 13: Nothing further.

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2.a.	CSRD Service Bylaw 5705, for information and context	12:45

COLUMBIA SHUSWAP REGIONAL DISTRICT

BYLAW 5705

A bylaw to establish the Shuswap Watershed Council Service

WHEREAS a regional district may, under section 796(1) of the *Local Government Act*, operate any service that the Board considers necessary or desirable for all or part of the regional district, subject to certain limitations and conditions;

AND WHEREAS in order to operate a service, the Board of a regional district must first adopt an establishing bylaw for the service in accordance with section 800(1) of the *Local Government Act*;

AND WHEREAS the Board wishes to establish a service to collaborate, promote, protect and monitor water quality in those parts of the Shuswap Watershed that comprise the Service Area;

AND WHEREAS the Board of the Columbia Shuswap Regional District has obtained the approval of the service area electors in accordance with the Local Government Act and the Community Charter;

NOW THEREFORE the Board of Directors of the Columbia Shuswap Regional District, in open meeting assembled, enacts as follows:

1. CITATION

This bylaw may be cited as the "Shuswap Watershed Council Service Establishment Bylaw No. 5705".

2. SERVICE

The service hereby established under this Bylaw is and means the collaboration, promotion, protection and monitoring of water quality in those parts of the Shuswap Watershed that comprise the Service Area for the purposes of obtaining, coordinating and analyzing water quality monitoring data; protecting and improving water quality and promoting recreational water safety.

3. BOUNDARIES

The boundaries of the service area, as outlined on Schedule A attached to this bylaw, are:

- All of Electoral Area C;
- All of Electoral Area D;
- All of Electoral Area E;
- All of Electoral Area F;
- All of the District of Sicamous.

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2.a.	CSRD Service Bylaw 5705, for information and context	12:45

4. PARTICIPATING AREAS

The participants of the service established under this bylaw are the whole of Electoral Areas C, D, E and F and the whole of the District of Sicamous which are within the boundaries of the service area.

5. COST RECOVERY

The annual costs for the service shall be recovered by:

- (a) property value taxes imposed in accordance with the *Local Government Act*;
- (b) parcel taxes imposed in accordance with the *Local Government Act*;
- (c) the imposition of fees and other charges that may be fixed by a separate bylaw;
- (d) revenues raised by other means authorized under the *Local Government Act* or another Act;
or
- (e) revenues received by way of agreement, enterprise, gift, grant or otherwise.

6. APPORTIONMENT AND MAXIMUM REQUISITION

- (a) The costs of the Service, after deducting the revenues (if any) raised or received under subsection 5 (c), (d) or (e) of this Bylaw, shall be apportioned to each participating area on the basis of the portion of the total number of parcels in the service area that are in a participating area, imposed in accordance with the *Local Government Act*.
- (b) The maximum amount of money that may be requisitioned annually in support of this Service in accordance with the *Local Government Act* shall not exceed \$180,000.00.

7. OPERATION AND MANAGEMENT

Subject to section 795 of the *Local Government Act*, the Chair of the Board may establish a standing committee for the Service to which the Chair:

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2.a.	CSRD Service Bylaw 5705, for information and context	12:45

- (a) must appoint at least one Board director from a Participating Area; and
- (b) may appoint persons who are not Board directors from a Participating Area including the following:
 - (i) Board directors who are not from a Participating Area;
 - (ii) members from the City of Salmon Arm;
 - (iii) directors from the Thompson Nicola Regional District;
 - (iv) directors from the Regional District of North Okanagan;
 - (v) members of the Shuswap Nation Tribal Council;
 - (vi) members of the Syilx Okanagan Nation Alliance;
 - (vii) members of the public; and
 - (viii) members from any participating organizations, including provincial and federal government ministries providing technical advice or input.

8. WITHDRAWAL AND TERMINATION

The Service is established for a five year period, beginning January 1, 2016 and ending in December 31, 2020.

READ a FIRST, SECOND AND THIRD time this 20th day of August, 2015.

AMENDED this 20th day of August, 2015

RESCINDED SECOND AND THIRD READING this 20th day of August, 2015.

READ a SECOND time as amended this 20th day of August, 2015.

READ a THIRD time this 20th day of August, 2015.

RESCINDED THIRD READING this 17th day of September, 2015.

READ A SECOND TIME AS AMENDED this 17th day of September, 2015.

READ A THIRD TIME this 17th day of September, 2015.

Approved by the Inspector of Municipalities this 30th day of September, 2015.

Received the assent of the electors this 18th day of November, 2015.

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2.a.	CSRD Service Bylaw 5705, for information and context	12:45

ADOPTED this 19th day of November, 2015.

Rhonda Martin
CHAIR

CERTIFIED a true copy of
Bylaw No. 5705 as read a third time.

Lynnda Shykora
Deputy Manager of Corporate
Administration Services

Lynnda Shykora
CHIEF ADMINISTRATIVE OFFICER
*Deputy Manager, Corporate
Administration Services*

CERTIFIED a true copy of
Bylaw No. 5705 as adopted.

Lynnda Shykora
Deputy Manager of Corporate
Administration Services

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2.b.	CSRD Service Bylaw 5710, for information and context	12:45

COLUMBIA SHUSWAP REGIONAL DISTRICT

BYLAW NO. 5710

A bylaw to authorize the preparation and imposition of a parcel tax
for the property owners in the Shuswap Watershed Council Service Area

WHEREAS the Regional District is authorized by the Local Government Act and the Community Charter to impose and levy a parcel tax to recover the costs of providing a service;

AND WHEREAS the Regional District adopted Shuswap Watershed Council Service Establishment Bylaw No. 5705 for the purpose of the collaboration, promotion, protection and monitoring of water quality in those parts of the Shuswap Watershed that comprise the Service Area for the purpose of obtaining, coordinating and analysing water quality monitoring data; protecting and improving water quality and promoting recreational water safety;

AND WHEREAS, pursuant to the provisions of Shuswap Watershed Council Service Establishment Bylaw No. 5705 the costs of the service are to be collected by way of a parcel tax;

AND WHEREAS is deemed desirable and expedient to impose and levy a parcel tax on land benefitting from the Shuswap Watershed Council Service Area to meet the costs of the service;

NOW THEREFORE the Board of the Columbia Shuswap Regional District, in open meeting assembled, HEREBY ENACTS as follows:

DEFINITIONS

1. In this bylaw, unless the context otherwise requires;

"Parcel" means any lot, block or other area in which real property is held or into which it is subdivided as represented by an individual taxable folio within the service area assessed for land and improvements, or land only or improvements only.

"Group of Parcels" means where a building or other improvement extends over more than one parcel of land, those parcels, if contiguous and assessed under the same folio number, may be treated by the Assessor as one parcel.

PARCEL TAX ROLL

2. The preparation of a parcel tax roll for the purposes of imposing a parcel tax in the Shuswap Watershed Council Service Area is hereby directed. This roll shall be known as the Shuswap Watershed Council Service Area Parcel Tax Roll.
3. Any parcel tax imposed pursuant to this bylaw must be imposed as a single amount on each parcel in the service area.

PARCEL TAX IMPOSITION

4. A parcel tax is hereby imposed to recover the costs associated with the service established by "Shuswap Watershed Council Service Establishment Bylaw No. 5705".
5. A parcel tax is hereby imposed for each and every year that a contribution is made towards the costs associated with the Shuswap Watershed Council Service.

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2.b.	CSRD Service Bylaw 5710, for information and context	12:45

Bylaw No. 5710

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6. The Shuswap Watershed Council Service Area Parcel Tax Roll shall be utilized to impose this parcel tax.
7. The parcel tax to be imposed pursuant to this bylaw shall be a single amount applied to each parcel or group of parcels in the Shuswap Watershed Council Service Area.
8. The parcel tax amount for each parcel in any year will equal A/B where:

A = the total annual parcel tax requisition for the service area indicated in the current year's financial plan; after deducting any revenues (if any) raised or received under Section 4.1 (c) (d) or (e) of Shuswap Watershed Council Service Establishment Bylaw No. 5705 and,

B = the number of current parcels in the Shuswap Watershed Council Service Area Parcel Tax Roll.

CITATION

9. This bylaw may be cited as "Shuswap Watershed Council Service Parcel Tax Bylaw No. 5710."

READ a first time this 19th day of November, 2015.

READ a second time this 19th day of November, 2015.

READ a third time this 19th day of November, 2015.

ADOPTED this 19th day of November, 2015.

Rhona Martin
CHAIR

Lynnda Shykora
CHIEF ADMINISTRATIVE OFFICER
Deputy Manager, Corporate
Administration Services

CERTIFIED a true copy of
Bylaw No. 5710 as adopted.

Lynnda Shykora
Deputy Manager of Corporate
Administration Services

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3.	CSRD Policy A-60, <i>Regional Service Checklist</i> , for information and context	12:45

POLICY

POLICY A-60

REGIONAL SERVICE CHECKLIST

Preamble

The regional service checklist is to be used as a guideline for determining the value and necessity of establishing a proposed service and is designed to provide staff with a clear direction for proposing the means of governance and delivery of the proposed service.

Checklist

- ☐ The proposed service has a clear and understood purpose
- ☐ The proposed service has a defined and agreed-upon scope (ie. range of activities)
- ☐ Specific, measurable goals for the service have been identified and can be achieved
- ☐ Progress toward the goals can be measured on a regular basis
- ☐ There is a clear understanding of anticipated and potential outcomes
- ☐ A five year financial plan for the proposed service has been developed
- ☐ The parties agree on a way to share costs
- ☐ The parties agree on how the proposed service should be governed
- ☐ The parties agree on how the proposed service should be delivered and by whom
- ☐ Potential conflicts or overlaps with existing services have been examined and resolved
- ☐ The parties agree on a process through which to review key aspects of the service (including the continued need for the service)
- ☐ Service withdrawal provisions have been clearly laid out
- ☐ A start-up plan (or transition plan in the event that the proposed service is emerging from an existing municipal, local, sub-regional or regional service) has been developed
- ☐ Support among elected officials for the proposed service is broad and sufficient
- ☐ A method for gathering elector support throughout the region has been clearly defined

COLUMBIA SHUSWAP REGIONAL DISTRICT

DECEMBER 2010

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4.	Draft Strategic Plan Framework for 2021-26, for input and discussion	1:30

Strategic Plan Framework for 2021-26

Discussion questions:

- As a Council, where do we want to be in five years? What do we want to accomplish by 2026?
- Should the Council's previously established objectives and strategies change for 2021-26? If so, what should change?
 - What has the SWC done in the past four years that it should keep doing in the future?
 - Are there new opportunities or issues that the SWC should work on in the future?
 - Is there anything that the SWC has completed, or fulfilled its role, and should now step away from?
- Given the strategic priorities already discussed, what should be the annual budget?
- What is the best method for parties to share the costs? Is each existing participant prepared to move forward as a financial partner?

Objectives and strategies as developed in 2014-15 for the current five-year plan (2016-21)

1. Collaborate with all water quality monitoring partners and regulatory agencies to maintain and enhance the quality of water in the Shuswap watershed for the following reasons:

- To ensure that standards for safe drinking water are met or exceeded
- To support the economic and recreational benefits of good water quality including tourism, boating, fishing, swimming, and sustainable development
- To avoid duplication of effort, to save time and money, and to work with partners through a fair and equitable resourcing of the program

Strategies:

- Identify sources and causes of pollution and degradation
- Explore and develop action plans designed to remedy pollution; OR
- Undertake actions directly through the program (*subject to funding*)
- Encourage new or modified management approaches that improve water quality
- Oppose further diversions of water from the Shuswap watershed
- Support in principle the development of community sewer and water systems in rural areas of the Columbia Shuswap Regional District where there is significant benefit to doing so

2. Coordinate and report on water quality information in the Shuswap watershed

Strategies:

- Coordinate all collection and analysis of water quality monitoring data in the Shuswap
- Utilize science and objective data to support decision making
- Provide broad and open access to these data

3. Communicate with, inform and engage residents, visitors, and the public and private sectors about water quality and the activities of the program

Strategies:

- Provide the public with educational communications about the quality of the water in the Shuswap watershed
- Engage residents and all relevant interests to participate in water quality enhancement

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4.	Draft Strategic Plan Framework for 2021-26, for input and discussion	1:30

4. From time to time, the Shuswap Watershed Council will consider projects that educate recreationists about safety on the water

Strategies:

- Distribute information promoting safety in or on the water
- Meet with agencies, businesses and organizations with a safety mandate to determine effective ways that the program can promote safety and minimize duplication

Recommendations for the 2021-26 Strategic Plan:

1. Establish a clearly stated goal about desired water quality. It should acknowledge the complexity of this given the multiple land uses and land managers in the watershed, and state the role of the SWC in maintaining and enhancing water quality.
2. Establish a new goal of an informed, engaged citizenry with respect to water quality in the Shuswap, and state the SWC's role in coordinating and reporting on water quality.
3. Re-state the goal of ensuring the Shuswap is a safe place for water-based recreation, and state the role of the SWC in this.
4. Establish a new goal for the relationships the SWC has with regulatory agencies and other organizations, and the role of the SWC as an advocate for Shuswap water quality.

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4.	Draft Strategic Plan Framework for 2021-26, for input and discussion	1:30

Proposed programs and budgets for 2021-26

The programs, key actions, and annual budget proposed in the table below reflect the recommendations in the Discussion Paper (page 2). This is meant to serve as a jumping-off point for the SWC's discussions. The budget would cover all costs, including staff time.

<u>Program</u>	<u>Key actions</u>	<u>Annual budget</u>
Water Monitoring	Convene the Shuswap Water Monitoring Group 2x/year for dialogue and planning	\$10,000
	Implement watershed monitoring plan (SWC funds pay for special projects over and above those carried out by regulators, others)	\$20,000
Water Protection	Convene the Water Protection Advisory Committee 2x/year for dialogue, proposal review	\$7000
	Water Quality Grant Program (Receive, approve applications on an annual basis)	\$60,000
Zebra and Quagga Mussel Prevention	Education and outreach campaigns	\$35,000
Safe Recreation	Education and outreach campaigns	\$25,000
	Safety equipment	\$5000
Communications and Advocacy	Communications collateral (e.g., Annual Reports, other documents for print and online)	\$6000
	Public engagement (website, social media, media releases, etc.)	\$20,000
	Annual Water Quality Report	\$18,000
	Correspondence with other organizations, regulators, and orders of government on key issues of concern	\$8000
Administration	SWC meetings (4x/year), correspondence, budgeting and work planning	\$30,000
	Financial management and fund development	\$16,000
Totals		\$260,000

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SWC Granting Program Guide and Application Form

Program overview

Phosphorus (P) is a key nutrient in land and aquatic ecosystems. Many forms of life need P to grow and reproduce. Therefore, it's important for supporting a healthy ecosystem. But, excessive nutrients in an aquatic ecosystem can reduce water clarity, create odours, and reduce the quality of water for drinking and recreation.

New research by the University of British Columbia – Okanagan has determined that a significant portion of phosphorus in Shuswap River and Salmon River is coming from seasonal streams, ditches, groundwater, and surface run-off in the settled valley bottoms. Although the research found that P also comes from the large tributaries and the upper reaches of the watershed, the highest concentrations come from the valley bottoms, in regions of the watershed known as incremental flow sub-watersheds (IFSWs). Please see the publication, Understanding Nutrients and Water Quality in the Shuswap River and Salmon River, available at www.shuswapwater.ca.

In an effort to protect water quality for the future, the Shuswap Watershed Council (SWC) is considering how to divert or mitigate the flow of phosphorus-rich waters so that less P ends up in the rivers, and ultimately in Shuswap and Mara Lakes. Management actions to reduce P inputs will be most effective if they are carried out in the IFSWs, or the settled valley bottoms (please see maps in Appendix 1).

Up to \$100,000 is available, subject to SWC approval, through this granting program. The number of grants awarded and the amount of each grant awarded will be dependent on the merit of the applications received.

Eligibility

Eligible applicants include the following:

- Individual landowners and hobby farms
- Agri-businesses
- First Nations governments
- Non-profit organizations

Ineligible applicants include the following:

- Local governments
- Provincial and federal government agencies
- Consultants

Eligible projects must:

- Be located in the IFSW of the Salmon River or Shuswap River watershed (see maps in Appendix 1)
- Demonstrate improvements to water quality by reducing the flow of P-rich water to the Salmon River and/or Shuswap River
- Ideally be completed within one year of grant award, but no longer than 18 months from the time of the award
- Leverage funds and in-kind contributions from other sources.

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Eligible activities include:

- Projects that reduce phosphorus input to the Shuswap River, Salmon River and Shuswap or Mara Lake

Examples of suitable projects may include but aren't limited to wetland development, riparian improvements, new irrigation practices, different livestock practices, and improved manure management, to name a few.

Ineligible activities include:

- Studies and research
- Planning
- Education and outreach

How to apply for grant funding

Potential applicants are encouraged to contact SWC program managers to discuss their project concept, no later than April 17th, 2020.

Complete the application form in Appendix 2 beginning on Page 7 of this application package, include a map of your proposed project area, and submit by email (preferred) or regular mail to:

Mike Simpson
 SWC Program Manager
 c/o Fraser Basin Council
 200A-1383 McGill Road
 Kamloops, BC V2C 6K7
 msimpson@fraserbasin.bc.ca

Completed applications must be received by 4PM Pacific Daylight Time on April 30th, 2020.

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Evaluation Process

Applications will be evaluated and scored subjectively by the SWC based on the following:

- Technical merit of what is proposed and likelihood to achieve outcomes (25%)
- Location and proximity of the project to a water body (lake or river) (25%)
- Scale and scope of project (20%)
- Leveraging of other funds or in-kind donation of labour, equipment or material (20%)
- Clarity and completeness of proposal (10%)

Proposals will be evaluated between May 1st and June 17th 2020. Successful applicants will be contacted after June 17th. .

The SWC reserves the right to refuse any or all applications received. SWC reserves the right in its sole discretion at any time, and from time to time and for whatever reason, to by addendum, modify, amend, cancel or otherwise change this granting program at any time. This granting program should not be construed as an agreement to purchase goods or services. SWC is not bound to award funds to any proponent. SWC will not be obligated in any manner to any potential proponent whatsoever until an agreement has been entered into.

Terms and Payments of Grants

The following are the terms and payments of the grants:

- Upon successful award of a grant, an agreement shall be signed by SWC and the grant recipient
- Up to 50% of the funds may be advanced upon signing of the grant agreement based on demonstrated need
- Remainder of the funds will be advanced upon completion of the project and providing receipts
- Funds granted are not transferrable to other projects without the written approval of SWC program managers
- Quarterly reporting by grant recipient on progress of the project in writing
- SWC shall be acknowledged in any publications, announcements or signage
- SWC will want to publish information about grant awards, project details, photos and possibly conduct a field tour in the future
- Grant recipients must comply with all applicable laws and seek the necessary permits and/or authorizations necessary to undertake the project

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About the Shuswap Watershed Council

The SWC was established in 2014 as a watershed-based partnership to enhance water quality and safe recreation in the Shuswap. There are 18 members that represent three regional districts, two municipalities, the Secwepemc Nation, two provincial government agencies and Shuswap communities. The SWC is a collaborative, non-regulatory group. It works alongside organizations that have regulatory roles in managing the Shuswap watershed, complimenting their work and carefully avoiding duplication.

Our Vision

Enhanced water quality that supports human and ecosystem health and the local economy in the Shuswap watershed.

Our Objectives

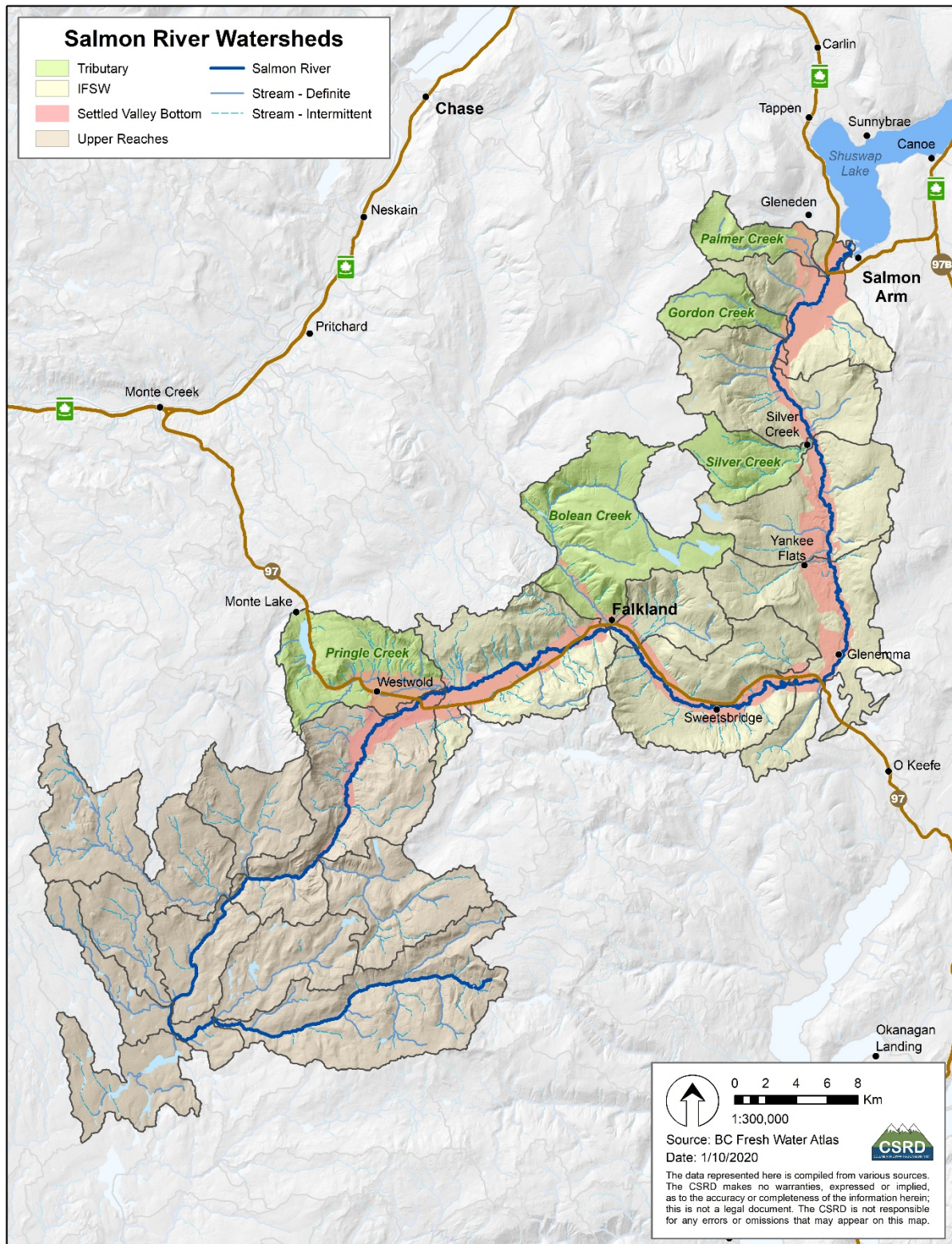
The SWC's objectives are to maintain and enhance water quality in the Shuswap watershed through collaboration with water quality monitors; to coordinate and report on water quality in the Shuswap; to inform residents and visitors about water quality in the Shuswap, and advocate for good practices to prevent water quality degradation; and to encourage safe behaviour by recreationists on and near water.

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Appendix 1 – Maps



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Appendix 2 - Application Form

Section 1 - Applicant information

Applicant name (organization, if applicable):

Applicant contact name:

Applicant title (if applicable):

Applicant mailing address:

Applicant email address:

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Section 2 - Project information

Title of the project:

Location of the project (physical address, latitude/longitude, UTM coordinates) (include a map in any format – scan of a sketch map, a google earth file, pdf map):

Project description (describe what you intend to do, including methods and timelines):

Project goals (what is the goal you are trying to achieve):

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Project outcomes or deliverables (what will be the result at the end of the project):

How the project maintains or enhances water quality:

Project longevity (how will you ensure that the benefits of the project last into the future):

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Section 3 - Project budget:

Fill out the following tables with as much information as possible.

Project Revenue	SWC grant request (\$)	Other cash (\$)	In-kind* (\$)	Source of other cash	Other cash secured? (Yes/No)	Source of in-kind	Value (\$) of in-kind (i.e., rate (\$) and number of hours)
<i>Example:</i>	25,000	15,000	4,800	ABC Foundation	Yes	Privately owned heavy equipment	\$120/hr x 40 hrs
			1,049			T-rail Fence posts	\$10.49 x 100
Subtotals							
Totals							

Project expenses	SWC grant request (\$)	Other cash (\$)	In-kind* (\$)
Labour			
Material			
Equipment			
Travel			
Other (specify in cells below)			
Subtotals			
Totals			

*In kind can include labour, equipment and/or materials provided by the applicant

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Additional notes about project revenue and/or project expenses (optional):

Section 4 - Other information

Provide any other information about the project that you want to be evaluated by SWC (e.g., collaboration with other parties, building on past projects, etc.):

Acknowledgement

By submitting an application, applicants agree to be bound by the terms and conditions of this granting program. If a grant is issued, the successful applicant will be bound by and comply with the terms and conditions contained in the agreement which will constitute the full and complete agreement between the parties.