

**AGENDA PACKAGE FOR:**

**Council Meeting**  
**Wednesday December 9<sup>th</sup> 2020 | 10:00 AM - 12:30 PM**

Virtual meeting via 'Zoom'

Zoom link: <https://zoom.us/j/98513143127?pwd=U2cyUWxsMDhRNWdFNDBOYUI3eWtjZz09>

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Item No.	Agenda item	Time
1.	September 9 <sup>th</sup> 2020 SWC meeting summary for approval	10:05

**Council Meeting**  
**September 9<sup>th</sup> 2020 | 10:00 AM - 12:30 PM**

VIRTUAL MEETING via 'Zoom'

Draft record of decisions and action items  
This record is subject to correction at the next council meeting

**Meeting objectives**

1. Discuss 2021-22 budget and requisitions
2. Receive update from program managers
3. Discuss algae bloom, opportunity for improving communications, and next steps for SWC

**Present (all participants via 'Zoom')**

Paul Demenok, Chair – Columbia Shuswap Regional District, Area C  
 Tim Lavery, Vice Chair - City of Salmon Arm  
 Rene Talbot – Columbia Shuswap Regional District, Area D  
 Rhona Martin – Columbia Shuswap Regional District, Area E (*from 10:10 am*)  
 Jay Simpson – Columbia Shuswap Regional District, Area F  
 Colleen Anderson - District of Sicamous  
 Ken Christian – Thompson-Nicola Regional District, City of Kamloops (*from 11 am*)  
 Rod Crowe – Thompson-Nicola Regional District, Village of Chase  
 Dave Nordquist - Adams Lake Indian Band, Secwepemc Nation (*from 10:05 am*)  
 Rick Fairbairn - Regional District of North Okanagan, Area D  
 Herman Halvorson (Alternate Director for D. Delisle) – Regional District of North Okanagan, Area F  
 Dennis Einarson - BC Ministry of Environment and Climate Change Strategy  
 Lindsay Benbow - BC Ministry of Agriculture  
 Lorne Hunter - Community representative  
 Natalya Melnychuk - Community representative  
 Sharon Bennett - Community representative  
 Randy Wood - Community representative

Erin Vieira and Mike Simpson – staff, Fraser Basin Council

**Guests and Observers**

Christina Yamada	Barbra Fairclough, South Shuswap Scoop newspaper
Kym Keogh	Clyde Mitchell, Shuswap Waterfront Owners Association
Lucie Thomson	Paul Bennett, Shuswap Waterfront Owners, Association
	Hamish Kassa, staff, Columbia Shuswap Regional District
	Diana Tesic-Nagalingam, staff, Interior Health Authority

**Regrets**

Steven Teed

Item No.	Agenda item	Time
1.	September 9 <sup>th</sup> 2020 SWC meeting summary for approval	10:05

**Call to Order**

The meeting was called to order at 10:00 AM by Chair Paul Demenok.

Chair Demenok introduced Lindsay Benbow as the new SWC representative from the BC Ministry of Agriculture. Ms. Benbow explained that she is based in Vernon and works in the North Okanagan/Shuswap region. Her role is to support agriculture in the region and do extension.

**Adoption of meeting summary**

**Moved/seconded** by Vice Chair Lavery/Director Talbot that:

The summary of the June 17<sup>th</sup> 2020 meeting of the SWC be adopted.

**CARRIED**

**Correspondence**

**Moved/seconded** by Vice Chair Lavery/Director Simpson that:

The correspondence be received for information.

Discussion:

Natalya Melnychuk inquired about a communications strategy to support a voter assent process in the future. The Chair suggested it be added to the agenda as a discussion point.

**CARRIED**

**Old business**

The Chair has directed staff to prepare a new Contribution Agreement for the funders, effective April 1<sup>st</sup> 2021, reflecting the reduced requisition amounts for the 2021-22 fiscal year.

Action item

Staff will prepare and share a new Contribution Agreement for the period April 1<sup>st</sup> 2021 - March 31<sup>st</sup> 2024 for the four SWC funding partners by December 31<sup>st</sup>, 2020.

**Report from Chair**

Chair Demenok reported that he, along with Vice Chair Lavery and Director Simpson and SWC staff Erin Vieira and Mike Simpson had a meeting with three representatives of the Shuswap Waterfront Owners Association in August. Important issues were brought forward for discussion.

The Chair also reported that he and the Vice Chair approved an increased grant amount to one water quality grant recipient. Mike Simpson explained that an additional \$5,000 was granted to Hillside Dreams Goat Dairy following a staff site to the farm to see and learn about the proponents' projects. The increase was in line with their original grant application.

The Chair also reported that he has presented to the CSRD and RDNO Boards on the SWC annual report and five-year report. He intends to share the same information with the TNRD Board.

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The Chair also reported that he has been communicating with RDNO about a financial contribution to the SWC. The results of the recently completed nutrient research project by UBC-Okanagan, which show that a significant quantity of nutrient-loading, is coming from lands within the North Okanagan. The Chair suggested this is a compelling reason for RDNO to support the SWC's work.

**Report from  
Program Managers:**

Erin Vieira gave an overview of program operations since the last Council meeting in June:

- Staff did site visits to the water quality grant recipients, to see and learn about the work that will be done on-farm with SWC grant funding. Contribution agreements have been set up with each proponent.
- Invasive Zebra and Quagga Mussel prevention measures have been promoted throughout the Shuswap all summer, with a focus on watercraft inspection and clean-drain-dry. The interim results of the provincial Invasive Mussel Defence Program by the BC Ministry of Environment was also presented for information.
- Safe boating campaigns have been delivered throughout the Shuswap all summer, via newspapers, radio, and social media. Federal grant funding for this program enabled this outreach to have more impact than in previous years.
- A social media strategy for 2020 is underway and will wrap up in late October. The purpose of the new social media content is to increase the awareness, following, and understanding of the SWC and of the Shuswap watershed.
- Staff completed the fourth annual Shuswap Water Quality Summary Report in July and distributed print copies to several locations in August
- A summary of the algal bloom in Salmon Arm Bay and Tappen Bay was provided, including several photos and satellite images from mid-June when the bloom was first observed to early September when the bloom started to dissipate. Erin provided a review of all the SWC's communications and outreach about the bloom, including social media updates and media releases.

Erin presented a financial update, to the end of the first quarter (April 1<sup>st</sup> - June 30<sup>th</sup> 2020)

<b>Revenue for 2020-21</b>	<b>(\$)</b>
Surplus (from March 31 <sup>st</sup> , 2020)	241,995
CSRD (C, D, E, F and District of Sicamous)	160,000
TNRD	53,600
City of Salmon Arm	40,000
Adams Lake Indian Band	1300
Grant funding: Transport Canada <i>Boating Safety Contribution Program</i>	20,550
<b>Total revenue</b>	<b>517,445</b>

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1.	September 9 <sup>th</sup> 2020 SWC meeting summary for approval	10:05

Expenses to-date (April 1 <sup>st</sup> - June 30 <sup>th</sup> 2020)	Budget (\$)	Expenses (\$)
Water Quality Monitoring	35,200	1120
Water Quality Protection	113,600	9662
Zebra & Quagga Mussel Prevention	35,400	21,736
Safe Recreation	27,400	7142
Communications & Advocacy	68,700	23,318
Management & Administration	43,150	12,045
<b>Sub-total Operational Program Expenses</b>	<b>323,450</b>	<b>75,033</b>
Operating Reserve	193,995	0
<b>Total expenses</b>	<b>517,445</b>	<b>75,033</b>

**Guest presentations and Roundtable discussion on Shuswap Lake algae bloom**

Christina Yamada, Manager of Environmental Assessments, Interior Health Authority, briefly reviewed the [BC Ministry of Health decision protocol for cyanobacteria bloom response](#). The protocol includes decision trees for recreational-use water and for drinking water. It reflects maximum acceptable concentrations of microcystin (toxin that can be associated with blue-green algae blooms), as set by Health Canada. She reviewed the public notification responsibilities by local government, regional health authorities, and drinking water providers. Ms. Yamada explained that Interior Health messaging about algae blooms relies on sharing/promoting HealthLink files, including one specific to cyanobacteria. She stated that Interior Health is considering a seasonal algae Public Service Announcement for Shuswap Lake.

Lucie Thomson, BC Ministry of Environment and Climate Change Strategy explained that her division within MOE is responsible for monitoring Shuswap Lake at two long-term monitoring stations, twice per year. She mentioned that spring sampling didn't happen this year due to Covid-19.

Kym Keogh, Environmental Impact Assessment Biologist, BC Ministry of Environment and Climate Change Strategy, explained that her division is responsible for compliance and enforcement of the Environmental Management Act. She stated that the BC Ministry of Environment focusses their compliance efforts on permitted polluters such as wastewater treatment plants and mining operations. The Ministry is also responsible for implementing the provincial Agricultural Environmental Management Code of Practice through scheduled on-farm inspections and by responding to complaints.

Ms. Yamada further explained the algae bloom this year as being unprecedented in timing and duration. She explained that observations, collection of samples, and analysis of samples has been a collaborative effort by the City of Salmon Arm, CSRD, and Interior Health. She stated that Interior Health released a Public Service Announcement in August, and reflected that it should have happened sooner.

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Ms. Yamada remarked on the importance of cyanobacteria preparation planning. She suggested that planning for roles in response and communications should be discussed.

Roundtable discussion

Hamish Kassa remarked that regular communications about the state of algae blooms in the Shuswap watershed is desirable; communications should give residents and visitors the confidence they need in and near the water.

Chair Demenok brought up the new provincial *Agricultural Environmental Management Code of Practice*, the enforcement of which is the responsibility of MOE, as being a key part of source water protection. He also stated two strategies that the SWC would like to implement in the future, including a phosphorus mitigation plan and a wetland restoration strategy. He inquired as to whether the Province of BC would be able to assist with these items.

Chair Demenok summarized three opportunities for better collaboration: what do in the event of an extended bloom; what to do in the event of a toxic bloom; and what to do to prevent an extended algae bloom from re-occurring.

Director Martin remarked on the need for funding to take action. She suggested that a role for the SWC is to communicate findings and raise awareness, but the provincial and federal governments have the role of management and enforcement.

Mike Simpson summarized possible next steps for the SWC: develop a more robust communications strategy with other agencies through the Shuswap Water Monitoring Group and Water Protection Advisory Committee; continue with education and awareness through the SWC; and seek grant funding to support better nutrient management.

**Roundtable updates** Sharon Bennett asked if any SWC members would be willing to test a new website the BC MOE is developing. If anyone would like to volunteer to do so, they should get in touch with her.

**Adjourn** The September 9<sup>th</sup> 2020 meeting of the Shuswap Watershed Council adjourned at 12:35 PM.

**CERTIFIED CORRECT:**

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Chair

Item No.	Agenda item	Time
2-1	Old business: Draft summary of the Shuswap WPAC, November 26 <sup>th</sup> 2020, for information	10:10

**Water Protection Advisory Committee Meeting**  
**Thursday November 26, 2020 | 9:00 AM – 12:00 PM**  
**Virtual Meeting via Zoom**

Draft meeting summary as at December 1, 2020

**Meeting objectives**

- Provide an update on status of 2020 water quality improvement grants
- Seek committee members input on strategic plan priorities for 2021-26 and communication about algae blooms
- Seek a recommendation on how to modify the water quality improvement grant program for 2021

**Attendance (committee members)**

Lindsay Benbow, Ministry of Agriculture  
Lorne Hunter, Agriculture – dairy sector (retired) and SWC community representative  
Dennis Einarson, Ministry of Environment and Climate Change Strategy  
Dennis Lapierre, Agriculture – (other sector)  
Robyn Laubman, Splatsin Development Corporation  
Megan Ludwig, AE Environmental  
Ralph van Daltsen, Agriculture – dairy sector  
Ben van Nostrand, Columbia Shuswap Regional District (CSRD)

**Guests**

Hamish Kassa, CSRD  
Ian Walker, UBC Okanagan

**Staff**

Mike Simpson, Shuswap Watershed Council c/o Fraser Basin Council  
Erin Vieira, Shuswap Watershed Council c/o Fraser Basin Council

**Meeting Outcomes**

1. Meeting summary from June 3, 2020 was approved
2. Recommendations for 2021 Water Quality Improvement Grant made
3. Feedback received for water protection related activities in the 2021-26 SWC strategic plan and communication about algae blooms

**Summary of discussions, decisions and action items**

**1. Welcome, Introductions, Agenda and Objectives**

Mike Simpson welcomed everyone and thanked them for their time. Secwepemc territory (or the territory where participants attended from) was acknowledged. Introductions were made and the agenda was reviewed and accepted as presented.

Regrets were noted from Jeff Curtis and John DeDood.

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2-1	Old business: Draft summary of the Shuswap WPAC, November 26 <sup>th</sup> 2020, for information	10:10

## 2. Meeting Summary from June 3, 2020

The meeting summary from June 3, 2020, was approved. All action items are complete, with the exception of completing the Salmon River attainment water quality monitoring report (2016 - 2019) which Dennis E has on his to do list.

## 3. Update on Grant Recipient Projects

The following information was shared on the status of the projects funded, with photos shown of some.

Application	Project type	SWC \$ funding	Other \$	In kind \$	Status
Hillside Dreams Goat Dairy (A)	Flood mitigation; divert spring; manure storage; fencing	\$20 500	\$31 020	\$1000	Complete, paid out
Swaan Farms (C)	Liquid manure effluent storage	\$15 500	\$16 000	\$0	Complete, paid out
Lakeland Farms (E)	Cover crop demo	\$7350	\$0	\$6720	Complete, 50% paid
Grass Roots Dairies (F)	Manure storage	\$3920	\$4115	\$4240	Not paid, not started, waiting on permit
FRISP/Splatsin Development Corporation (G)	Fencing	\$18 200	\$0	\$8070	\$8200 advanced; contact made with possible project partners
<b>Total</b>		<b>\$65 470</b>	<b>\$51 135</b>	<b>\$20 030</b>	

Staff reported that a tour of the water quality grant projects was intended to take place in Fall 2020, but due to Covid-19 a tour could not take place. Staff visited the project sites in October to check on the projects and review progress with the farmers. Staff are preparing a short video of the work done on farms to protect water quality with SWC funding. The video will be ready in December.

## 4. 2021 Grant Program

The 2020 grant program was reviewed, as were previous comments from the June 3, 2020 committee meeting, about possible modifications to the water quality grant program for the future. The following is what is recommended for the 2021 grant program:

- Make \$85 000 available for projects, reflecting the 2020 surplus (~ \$35 000 projected surplus)
- In future years, make the surplus available the following year
- Set a leveraging target: Specify that a maximum of 50% of funds will come from SWC, the other 50% must be other cash or in-kind contributions
- Have standardized in-kind rates for labour, equipment for the in-kind calculations
- Maintain flexibility in projects sought as was done in 2020



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2-1	Old business: Draft summary of the Shuswap WPAC, November 26 <sup>th</sup> 2020, for information	10:10

- Enable applications from anywhere in the watershed, not just the ‘Incremental Flow Sub-Watersheds’ (IFSW - see [Nutrient Summary Report](#) for maps) of Salmon and Shuswap Rivers, but in the evaluation it should be noted that priority may be given to applicants within those IFSW zones
- In the program guide, recommend that applicants connect with a “quarterback” (such as a local livestock or industry association person, or someone experienced in implementing projects) who may have experience in writing applications or coordinating other sources of funds for leveraging.
- In the program guide, identify other possible funding sources
- In the program guide, encourage group applications with neighbouring properties, in particular for riparian restoration types of projects
- In the evaluation, it should be noted that preference may be given to applicants that have not previously received funding from SWC
- Encourage baseline monitoring of water quality before and after projects, but don’t require it; provide bonus points in the evaluation portion for this.

The time frames for the program would be similar to 2020, subject to SWC approval: launch the program in late January-early February; applications close by April 30; evaluation and then recommendations by staff and WPAC by late May; decision by SWC at their June meeting. It was suggested to expedite this if possible, to better accommodate farmers’ busy spring schedules.

The grant program will be communicated by various means, as was done in 2020. Ralph suggested that Kamloops Okanagan Dairy Association can communicate the program to their members. WPAC members can also send individual contact info to Mike or Erin and it can be emailed directly to possible applicants. Past applicants that had their applications rejected will also be contacted.

## 5. 2021-26 SWC Strategic Plan

The [2021-26 SWC Strategic Plan](#) was briefly reviewed, and staff noted that at this point it is a high-level guiding document that doesn’t have a lot of details developed. Feedback was sought from the WPAC members on some possible new water protection types of activities to include in annual work plans. The following were some opportunities suggested:

- Confirm who the audience is – SWC, the general public?
- Phosphorus action plan – as a starting point, the SWC should amalgamate local policies and initiatives; include liquid waste management plans; include existing regulations for agriculture such as AEMCOP; look at upland activities such as non-status roads, erosion risks; consider modelling to understand likelihood of different species of algae blooms based on different environmental conditions
- Wetlands – in addition to inventorying others organizations’ wetland plans, explore feasibility of restoration and construction of wetlands in the Shuswap watershed, utilize LiDAR data, aim to restore or construct some wetlands
- Use a retrospective approach, building on the restoration activities initiated by the Salmon River Watershed Roundtable in the 1990s and 2000s.

## 6. Communications and Algae

Noting that the Shuswap Water Monitoring Group will be talking about roles and responsibilities of communication during an algae bloom, and the experience gained in 2020 with the Salmon Arm bloom, the following was noted with regards to how we communicate about causes or why this happened:

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2-1	Old business: Draft summary of the Shuswap WPAC, November 26 <sup>th</sup> 2020, for information	10:10

- Speculation is challenging with no data – COVID-19 restricted water quality monitoring staff from getting out into the field, and thus the ability to observe and measure water quality in the spring
- There were likely many contributing factors to the 2020 algae bloom – as described in this media release, put out by the SWC in mid-August: link to release is [here](#).
- An interesting observation this year was that less Eurasian Water Milfoil was observed in the Salmon Arm portion of Shuswap Lake, perhaps due to less sunlight penetrating the water as a result of the algal bloom
- BC government has restrictions on communication, but SWC and the Columbia Shuswap Regional District don't have similar constraints and were able to provide some timely updates on the algal bloom to the public.

### Committee Membership

Committee members were asked if any important perspectives are missing. The following were suggested:

- Ministry of Forests, Lands, Natural Resource Operations and Rural Development
- Fisheries and Oceans Canada
- Columbia Shuswap Regional District – other staff are welcome to attend as well as Ben
- Cattle industry – North Okanagan Livestock Association

### Next Meeting, Draft Agenda

Mid to late May 2021, to review and evaluate applications.

Item No.	Agenda item	Time
2-2	Old business: Draft summary of the Shuswap WMG meeting, December 1 <sup>st</sup> 2020, for information	10:10

**Shuswap Water Quality Monitoring Group  
December 1<sup>st</sup> 2020 | 1:00 PM – 3:40 PM  
Virtual meeting held via ‘Zoom’**

Draft meeting summary as at December 3<sup>rd</sup> 2020

This summary is subject to correction at the next Monitoring Group meeting

**Attendance**

Trever Andrew - Adams Lake Indian Band (*to 2:10 pm*)  
Priscilla Cheung - First Nations Health Authority  
Sue Davies - Columbia Shuswap Invasive Species Society (CSISS)  
Wes Dearmond - BC Parks  
Dennis Einarson - BC Ministry of Environment & Climate Change Strategy (MOE)  
Warren Fortier - Little Shuswap Lake Band  
Hamish Kassa - Columbia Shuswap Regional District (CSRD) (*to 3:30 pm*)  
Kim Keogh - BC Ministry of Environment & Climate Change Strategy (MOE) (*1:00 - 2:45 pm; 3:05 - 3:40*)  
Robyn Laubman - Yucwmenlúcwu (Caretakers of the Land), Splat sin Development Corporation (*to 3 pm*)  
Joe Matias - Village of Chase  
Rob Niewenhuizen - City of Salmon Arm (*to 3 pm*)  
Gerry Rasmussen - City of Salmon Arm  
Diana Tesic-Nagalingam - Interior Health Authority (IHA)  
Lucie Thomson - BC Ministry of Environment & Climate Change Strategy (MOE)  
Ben van Nostrand - Columbia Shuswap Regional District (CSRD)  
Christina Yamada - Interior Health Authority (IHA) (*from 1:50 pm*)

Erin Vieira - Fraser Basin Council (SWC program manager)  
Mike Simpson – Fraser Basin Council (SWC program manager)

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**Summary of discussions and action items**

Erin welcomed all present and acknowledged Secwepemc Territory, introductions took place.

The draft summary of the last meeting (February 26<sup>th</sup> 2020) was approved without any revisions.

**1. 2020 Shuswap watershed water quality monitoring**

A spreadsheet containing details of various organizations’ water quality monitoring plans for 2020 was reviewed on screen. Participants discussed what changes, if any, took place in their water quality monitoring this season and changes were captured in the spreadsheet.

Notably, Dennis explained that some long-term monitoring stations within the Shuswap have been removed from the BC MOE’s network of stations (i.e., White Lake, Gardom Lake, and Adams Lake stations have been discontinued). The BC MOE’s monitoring program was reduced in 2018 due to reduction in staff capacity. Lucie explained that of the long-term monitoring stations on Shuswap, Mara, and Mabel Lakes, her group within MOE is responsible for monitoring some of them while Dennis’ group monitors

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2-2	Old business: Draft summary of the Shuswap WMG meeting, December 1 <sup>st</sup> 2020, for information	10:10

others. Dennis also explained the annual spring sampling at BC MOE’s long-term monitoring stations did not occur this year due to Covid-19.

Action item: Water Monitoring Group members should review and confirm the details on the water monitoring spreadsheet, for their organization. Erin will follow up with organizations not present at the meeting today.

## 2. Shuswap Lake algal bloom

All present had a roundtable discussion on how the algal bloom in Salmon Arm Bay from June - September 2020 was monitored, and how information about the bloom shared with the public.

The City of Salmon Arm did daily visual monitoring of the bloom, took photographs, and collected water samples for IHA to perform microcystin tests. First Nations Health Authority also collected water samples for microcystin analysis by IHA. CSRD staff also collected water samples at infected sites and took photos, on a weekly basis. MOE staff analysed water quality samples for algal species identification, which is an important step for understanding the microcystin potential in an algal bloom; this is over and above what is mandated of MOE but Dennis does this because he is experienced, local, and can be readily available for this analysis. Christine Yamada explained that the bloom was unprecedented, and IHA performed more microcystin tests - up to two times per week - than they ever have for Shuswap Lake. She further explained that algal testing is a reactive process, in response to reports or complaints of algal blooms, and not a detailed, prescriptive clear-cut process. Diana Tescic-Nagalingam explained that monitoring an algal bloom is outlined in the protocol, [Decision Protocol for Cyanobacterial Toxins in BC Drinking and Recreational Water](#).

The question was posed to the group: can monitoring an algal bloom be done better? Several people present offered to support monitoring in the event of another large algal bloom, as their organizational capacity would allow for it (Wes, BC Parks; Sue, CSISS; Rob, City of Salmon Arm; Hamish, CSRD; Priscilla, First Nations Health Authority). Christina expressed appreciation for the collaborative effort. When asked if Interior Health can provide funding support to organizations for monitoring a bloom, she declined on behalf of IHA. When asked if the BC Ministry of Environment would be involved in routine monitoring of an algal bloom, Lucie replied that her group within MOE (ESSPD Group) does not have responsibilities for human health. It was suggested that monitoring is critical when significant changes are taking place in the lake, and that local residents or citizen scientists could be enlisted to take samples; collection of these samples doesn’t have a rigorous protocol or training requirement, and any container can be used for collection. All present agreed that developing a more concrete plan to monitor future algal blooms would be a good idea, and it was suggested that everyone consider what their role could be for further discussion at the next Water Monitoring Group meeting (~February 2021).

Next, all present discussed the communications aspect of an algal bloom. Erin, Rob, and Ben explained that their offices received several calls over the summer inquiring about the algal bloom. Ben requested that a point of contact be established to determine who takes the lead in putting out messaging about algal blooms. Robyn and Warren expressed a preference for a third party, cross-jurisdictional, handle communications. Christina explained that typically IHA would issue public health notices when there is a public health risk associated with a bloom, but they are considering proactive communications for next year.

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2-2	Old business: Draft summary of the Shuswap WMG meeting, December 1 <sup>st</sup> 2020, for information	10:10

Action item: Water Monitoring Group members to assess the resources (human, equipment/supplies, financial) and capacity they could contribute to future algal bloom monitoring in advance of the next meeting.

### **3. 2019 Water Quality Summary Report**

All present briefly reviewed the 2019 Shuswap Water Quality Summary Report. A few people remarked that it was a very good report. Warren suggested including hydrological data in future editions of the summary. Dennis commented that this information is readily available from the City of Salmon Arm. Sue offered to work with Erin in preparing data and editorial about aquatic invasive species.

### **4. SWC Contingency Fund**

The purpose and use of the contingency fund was reviewed verbally. Erin will send a copy of the framework to Water Monitoring Group members.

### **5. Roundtable Updates**

The following were noted as updates:

- Hamish Kassa - CSRD groundwater monitoring continued throughout 2020. Liquid Waste Management Plans are being updated; it's early in the process
- Wes Dearmond - Auxiliary staff will be out on the lake regularly next season, beginning in April
- Diana Tesic-Nagalingam - will share 2020 beach monitoring results with Erin for reporting next year
- Dennis Einarson - Water Quality Objectives are in development for Shuswap Lake; this is being led by staff in Victoria together with First Nations. Salmon River attainment monitoring report is also underway and nearly complete.

### **6. Next Meeting**

The next meeting will take place in late February or early March 2021, Erin will seek a date a few weeks in advance.

The tentative agenda will include: 2021 watershed water quality monitoring plan, including developing a collaborative plan for monitoring and communicating in the event of an algal bloom; and a request for funding from and/or recommendations to the SWC for 2021. The meeting will likely be held via 'Zoom'.

Meeting adjourned at 3:40 PM.

Item No.	Agenda item	Time
3	Report from Program Managers: Financial update	10:25

## Report from Program Managers

### REVENUE

Source	(\$)
Surplus (from March 31 <sup>st</sup> , 2020)	241,995
CSRD (C, D, E, F and District of Sicamous) *	160,000
TNRD	53,600
City of Salmon Arm	40,000
Adams Lake Indian Band	1300
Grant funding: <i>Boating Safety Contribution Program</i> (Transport Canada)	20,550
<b>Total revenue</b>	<b>517,445</b>

\* The 2020-21 budget that was approved on March 11<sup>th</sup> 2020 initially had a \$25,000 deduction from the CSRD's contribution to account for the cost of a voter assent process. A voter assent process is not taking place in this fiscal year therefore the deduction has been removed from the SWC's revenue.

### EXPENSES

Program (per 2020-21 work plan) (April 1 <sup>st</sup> - September 30 <sup>th</sup> 2020)	Budget (\$)	Expenses (\$)
Water Quality Monitoring	35,200	2448
Water Quality Protection	113,600	51,515
Zebra & Quagga Mussel Prevention	35,400	23,474
Safe Recreation	27,400	18,484
Communications & Advocacy	68,700	35,653
Management & Administration	43,150	20,538
<b>Sub-total Operational Program Expenses</b>	<b>323,450</b>	<b>152,111</b>
Operating Reserve	193,995	0
<b>Total expenses</b>	<b>517,445</b>	<b>152,111</b>

Item No.	Agenda item	Time
4	Report from Contractor: 2020 Communications Strategy	10:50

SWC

October 29, 2020

## CONTRACT SOCIAL MEDIA & MARKETING CAMPAIGN

To increase following, awareness and understanding of SWC

### Facebook Followers

Mid July	241
End August	316
End October	331
<b>Change</b>	<b>37%*</b>

\*DISCLAIMER Ongoing boosted (paid) posts has likely caused this significant change.

### Twitter Followers

Mid July	217
End August	223
End October	230
<b>Change</b>	<b>6%</b>

### Instagram Followers

Mid July	122
End August	135
End October	154
<b>Change</b>	<b>26%</b>

### Posts

3 per week  
14 weeks  
42 Posts  
3 channels  
**126 in total**

### Reach

Trivia Tuesday	5,309
Watershed Wednesday	5,072
Follow Friday	5,704
<b>Total</b>	<b>16,085</b>

### Average Views

**Per week 1149**

FB most popular - Watershed Wednesday Long term Strategic Plan (350)  
IG most popular - Tuesday Trivia Lake trivia (60)  
TW most popular - Follow Friday Water Canada (1186)

### Audience Profiles

#### Facebook

73% women, 25% men  
few organizations, few businesses  
tagged community engagement (5 organizations, 3 individuals)

#### Twitter

46 organizations, 186 individuals  
many related organizations

#### Instagram

90 individuals, 64 organizations  
many small businesses (tourism operators)

**SHUSWAP**  
watershed council

**WATERSHED WEDNESDAY**  
Despite another Shuswap summer coming to an end, the Shuswap Watershed Council continues to work alongside partners and regulators in managing the Shuswap watershed. Read our recently adopted strategic plan at the link provided.

**SHUSWAP**  
watershed council

**FRIDAY FOLLOW**  
Water Canada magazine is dedicated to water quality and stewardship. Follow here for the latest watershed news across the country.  
Facebook: @WaterCanada  
Twitter: @CanadianWater

**SHUSWAP**  
watershed council

**TUESDAY TRIVIA**  
Which of these lakes in the Shuswap is at the highest elevation?  
A. Mabel Lake  
B. Adams Lake  
C. Sugar Lake

Mediability Corporate Communications

Final Report

Item No.	Agenda item	Time
5-1	New business: SWC Terms of Reference (v. 5 March 2019)	11:40

### **Shuswap Watershed Council Terms of Reference**

The Terms of Reference sets the governance framework for the SWC. The Terms of Reference have undergone minor revisions since it was established in 2014; the current version is V. 5, dated March 2019. They can be found on the SWC website through this [direct link](#).

#### For discussion:

As the Shuswap Watershed Council nears the completion of its five-year plan in March 2021, and prepares to implement its new Strategic Plan for 2021-26, this is a timely opportunity to review the Terms of Reference and make updates to it. In particular, the SWC may wish to discuss and make changes to the Council membership, as the subject of membership and representation has come up in discussions around the Council table for the past two years.

Question for discussion: should the Council make a new seat(s) for an additional perspective(s) to be represented on the SWC membership?



Item No.	Agenda item	Time
5-2	New business: SWC Strategic Plan for 2021-26	11:40

### **Shuswap Watershed Council Strategic Plan for 2021-2026**

The SWC’s Strategic Plan was drafted at a Council workshop in February 2020, and finalized at the regular Council meeting in March 2020. It is a high-level plan that identifies four goals, and several supporting objectives.

Staff will be preparing the first annual workplan under the new Strategic Plan this winter. To prepare for work planning, and acknowledging that the entire Strategic Plan cannot be undertaken in 2021, Council members are asked to provide their feedback on which objectives to prioritize for the 2021-22 work plan, which will begin on April 1<sup>st</sup> 2021.

The Strategic Plan can be found on the SWC website through this [direct link](#).

Item No.	Agenda item	Time
5-3	2021 Water Quality Grant Program proposed budget for approval	11:40

### **Shuswap Watershed Council Water Quality Grant Program for 2021**

The Strategic Plan for 2021-26 earmarks \$60,000 per year for the Water Quality Grant Program, which would be a continuation of the grant program being delivered in 2020.

The purpose of the grant program is to take action on the findings of the three-year research project completed in partnership with UBC-Okanagan, which found that a significant portion of nutrients such as phosphorus and nitrogen are coming from low-lying lands in the valley bottoms of the Shuswap River and Salmon River. (See research summary report for more information, available [here](#)). The grant program, therefore, provides financial support to farmers and land owners for new methods of nutrient management that would divert or mitigate the flow of phosphorus-rich waters so that less phosphorus ends up in the rivers, and ultimately in Shuswap and Mara Lakes. By doing so, the SWC can work with these partners to protect water quality for the long term.

It is projected that the 2020 Water Quality Grant Program will have a surplus of approximately \$35,000. This is due to the program funding \$65,000 in projects out of an available budget of \$100,000 for 2020.

The Water Protection Advisory Committee, which met on November 26<sup>th</sup> 2020, recommended that the surplus (final amount to be determined in April 2021) be allocated to the Water Quality Grant Program in 2021, bringing the total budget up to approximately \$95,000.

FOR DECISION, by FINANCIAL VOTE (for SWC members with financial voting rights):

- a. The Shuswap Watershed Council budget \$60,000 for the Water Quality Program in 2021, according to the Strategic Plan annual budget
- b. The Shuswap Watershed Council accept the Water Protection Advisory Committee's recommendation and budget \$60,000 plus an approximate surplus of \$35,000 (final amount to be determined April 2021) for the Water Quality Program in 2021
- c. Other.

Item No.	Agenda item	Time
5-4	SWC meeting schedule for 2021	11:40

### Shuswap Watershed Council proposed meeting schedule for 2021

	Date	Draft agenda
4 <sup>th</sup> quarter (2020-21)	March 10 <sup>th</sup>	Election of Chair and Vice Chair 2021-22 work plan presentation and approval Financial and program operations update Business arising
1 <sup>st</sup> quarter (2021-22)	June 9 <sup>th</sup>	Financial and program operations update 2020-21 Annual Report presentation Business arising
2 <sup>nd</sup> quarter	September 8 <sup>th</sup>	Financial and program operations update Business arising
3 <sup>rd</sup> quarter	December 8 <sup>th</sup>	Financial and program operations update Business arising

Meetings are held on a date most convenient to the SWC members, which falls on the second Wednesday of the month in the months of March, June, September, and December.

Meetings will be held via 'Zoom' until such time it is safe to meet again in person, in which case the meetings will be held at the Columbia Shuswap Regional District Boardroom.

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Other important dates that will affect some SWC members:

Federation of Canadian Municipalities (FCM) Annual Conference and Trade Show: June 3<sup>rd</sup> - 6<sup>th</sup> 2021  
(Montreal, Quebec)

Union of British Columbia Municipalities (UBCM) Annual Convention: September 13<sup>th</sup> - 17<sup>th</sup> (Vancouver, BC)