

AGENDA PACKAGE FOR:

Council Meeting
Wednesday May 10th 2017 | 10:00 AM – 12:00 PM
Columbia Shuswap Regional District Boardroom
555 Harbourfront Drive NE, Salmon Arm

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1	March 8 th 2017 SWC meeting summary for approval and signature	10:10

Council Meeting
March 8th 2017 | 10:00 AM – 2:00 PM
Columbia Shuswap Regional District Boardroom
555 Harbourfront Drive, Salmon Arm

Draft Record of Decisions and Action Items

Note: this record is subject to correction when adopted at the next SWC meeting

Meeting objectives

1. Election of Chair and Vice Chair for 2017
2. Presentation and approval of 2017-18 workplan
3. Receive update from program managers
4. Presentation and discussion of "SWC Overview"

Present

Paul Demenok, Chair – CSRD Area 'C'
 Larry Morgan, Vice Chair – CSRD Area 'F'
 Rene Talbot – CSRD Area 'D'
 Rhona Martin – CSRD Area 'E' (*from 10:10 AM*)
 Nancy Cooper – City of Salmon Arm (*until 12:40 PM*)
 Todd Killo – District of Sicamous
 Rick Berrigan – Thompson-Nicola Regional District, Village of Chase
 Ken Christian – Thompson-Nicola Regional District, City of Kamloops
 Greg Witzky – Secwepemc Nation, Adams Lake Indian Band
 Tundra Baird – Regional District of North Okanagan, City of Enderby
 Herman Halvorson – Regional District of North Okanagan, Area 'F' (*until 12:00 PM*)
 Lorne Hunter – Community representative
 Ray Nadeau – Community representative
 Randy Wood – Community representative
 Laura Code – BC Ministry of Agriculture
 Dennis Einarson – BC Ministry of Environment

Erin Vieira and Mike Simpson – Fraser Basin Council

Regrets: Dave Nordquist

Observers: None

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Call to Order The meeting was called to order at 10:00 AM by Mike Simpson

Election of Chair and Vice Chair Chair of the Shuswap Watershed Council for 2017 is Paul Demenok by acclamation.

Vice Chair of the Shuswap Watershed Council for 2017 is Larry Morgan.

Rhona Martin entered the meeting at 10:10 AM

Adoption of meeting summary **Moved/Seconded** by Directors Talbot/Morgan that:
The meeting summary of the December 8th 2016 meeting of the SWC be adopted.

CARRIED

Correspondence SWC Chair Paul Demenok's letter to Premier Clark and Minister Polak, January 5th 2017. The letter summarizes the threat of an aquatic invasive mussel invasion to the Shuswap, thanks the BC Ministry of Environment for their efforts to-date to prevent an introduction of aquatic invasive mussels, and encourages new measures for prevention.

Minister Polak's response letter to Chair Paul Demenok, February 10th 2017. The letter thanks the Chair for the letter, highlights the *Provincial Zebra and Quagga Mussel Early Detection and Rapid Response Plan*, summarizes the results of the 2016 prevention program, and assures that the province is working with other jurisdictions on detection and prevention.

Discussion:

Randy Wood inquired about the robust-ness of the inspection stations in other jurisdictions. Dennis Einarson replied that Ontario, Alberta, Saskatchewan, Washington, Idaho and Oregon have robust inspection, but Manitoba is a weak spot; he reminded Council members of the recent discovery of aquatic invasive mussels in a northern Montana reservoir.

Director Martin relayed that Pacific Northwest states are on high-alert for aquatic invasive mussels.

Director Morgan inquired if the province could provide periodic updates on the prevention program. Ray Nadeau commented

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that it would be nice to know the specifics of the prevention plan for 2017. Mayor Berrigan echoed their comments.

Greg Witzky expressed a lack of confidence that the issue is being handled to the best extent possible; at one time, the provincial government claimed to have the threat of Eurasian Watermilfoil under control.

Chair Demenok proposed that the SWC request to be included in the reporting, and to re-iterate the concern.

Chair Demenok suggested program staff check what strategies the Okanagan Basin Water Board is taking. Mike Simpson also suggested periodic check-ins with the Columbia Shuswap Invasive Species Society (CSISS).

Ray Nadeau suggested that CSISS be placed on the SWC agenda from time-to-time. Dennis Einarson added that a representative of the provincial government also attend a SWC meeting on an annual basis.

Moved/Seconded by Mayor Cooper/Mayor Berrigan that:
The correspondence be received for information.

CARRIED

Moved/Seconded by Mayor Berrigan/Mayor Cooper that:
The SWC prepare another letter requesting additional information on the procedures' reporting mechanisms for the Aquatic Invasive Mussel Prevention Program, and be included in reporting from the prevention program.

CARRIED

Action item: Staff will contact OBWB to learn about their actions against invasive mussels

Action item: Staff will prepare a follow-up letter to Minister Polak

Report from the Chair

Chair Demenok expressed his gratitude for having the opportunity to once again Chair the SWC.

Chair Demenok reported that he attended the North Okanagan

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Dairy Extension Advisory Committee seminar in February, along with Lorne Hunter, Laura Code, and Mike Simpson. It was well attended, and a good opportunity to discuss the SWC with the dairy industry. The research and science presented at the seminar was impressive. The Chair commented that the SWC could use some additional communications collateral for attending events such as this. UBC-Okanagan provided a brief update of the nutrient research underway in partnership with SWC.

Chair Demenok reported that annual reports will be delivered to funders in April or May; presentations can be made to Councils and Boards.

Discussion:

Laura Code commented that NODEAC was very grateful for the support from the SWC for the seminar, and was glad the Chair could attend in person.

Workplan and budget for 2017-18

Mike Simpson presented the budget for 2017-18, which were discussed and approved as follows:

Revenue

2016-17 projected surplus	\$79,750
<i>Per Contribution Agreement:</i>	
CSRD Areas C, D, E, F and District of Sicamous	\$155,000
TNRD	\$53,600
City of Salmon Arm	\$40,000
Total Revenue	\$328,350

Summary of Expenses

Water Quality Program: Water Monitoring	\$66,250
Water Quality Program: Water Protection	\$75,650
Recreation Safety Education Program	\$12,800
Communications	\$34,600
Administration	\$41,600
Operating Reserve	\$97,450
Total Expenses	\$328,350

Erin Vieira presented an overview of the projects to take place in 2017-18, beginning on April 1st. The key activities for the SWC within the Water Quality Program will be:

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- Increased water quality monitoring in the Salmon River
- Facilitating a new one-year monitoring project for nonylphenols, a substance of emerging concern
- Ongoing facilitation of the Shuswap Water Quality Monitoring Group to enable information-sharing and cut duplication
- Enabling better public access to water quality data
- Year two of a three-year nutrient study with UBC-Okanagan on the Shuswap and Salmon Rivers
- Support/contributions to water quality improvement projects
- Ongoing facilitation of the Water Protection Advisory Committee
- Nutrient management and pollution reduction education

The key activities for the SWC within the Recreation Safety Education and Communications Programs will be:

- Recreation safety campaigns
- Support for safety equipment
- Production and distribution of the 2016 Shuswap Water Quality Report

Discussion:

A discussion took place on another proposed workplan item, which was to investigate historical water quality data. Erin explained that this item is included in the SWC’s five-year plan (*Water Monitoring Initiative, Activity E*), but should be reconsidered as the BC Ministry of Environment is summarizing historical water quality data in the development of water quality objectives for Shuswap Lake (this is a provincial initiative, separate from SWC). Dennis Einarson commented that it would be duplication for the SWC to carry out this task. The SWC agreed to remove it from the workplan, and the budget for that item is re-allocated to the Operating Reserve.

Erin proposed that the recreation safety campaigns be expanded to include some key regulations pertaining to boating safety. SWC members were in support of that. Some SWC members commented that other jurisdictions contract the RCMP or Conservation Officer service to do additional on-water patrols. Ray Nadeau inquired if the Recreation Safety Education Program includes a SWC presence at events for face-to-face education

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opportunities; Erin explained that for various reasons, that has not been part of the SWC's work.

Moved/seconded by Directors Morgan/Talbot that:
The workplan and budget for 2017-18 be approved as amended.

Action item: staff will work with Transport Canada to ensure appropriate content from federal boating regulations is used in the safety campaigns

Herman Halvorson left the meeting at 12:00 PM

Lunch Break

The SWC took a lunch break from 12:15 – 12:45 PM

Nancy Cooper left the meeting at 12:40 PM

Program Managers' Report

Erin Vieira gave an overview of activities since the last SWC meeting:

- Work planning and budgeting for 2017-18
- Created draft 'Overview' document
- Ongoing financial management, and early stages of year-end reporting
- Investigated third-party grant opportunities for the Recreation Safety Education Program
- Worked with a small committee to recommend the nonylphenols monitoring project for 2017
- Water Monitoring Group will next meet in mid-March to share information related to monitoring in 2016, monitoring plans for 2017, and discuss water quality reporting
- In early stages of annual Water Quality Report preparation
- Completed distribution of Water Protection brochures
- Water Protection Advisory Committee met in January and received an update on the UBC-Okanagan nutrient study, and Alderson and Gardom Creek restoration projects; the committee will next meet in April
- Sponsored a nutrient management specialist to present at the NODEAC seminar

Mike Simpson reported the expenses for the first three quarters, April 1st – December 31st 2016:

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Water Monitoring Initiative	\$5507
Water Protection Initiative	\$60,494
Recreation Safety Education Program	\$12,427
Communications	\$12,682
Management and Administration	\$25,356
Total expenses to 31Dec2016	\$122,406

Action item: staff will circulate draft Water Protection Advisory Committee meeting summaries to SWC members for information.

Draft SWC Overview The Chair introduced the 'Overview' document as an important part of the SWC's communications collateral. Input to the document was collected, and it was approved as amended.

Action item: staff will work with a designer to finalize the document. It will be printed and distributed, and posted on the SWC website.

SWC Sliddeck Mike Simpson presented the updated Shuswap Watershed Council sliddeck as another piece of SWC communications collateral. Input to the sliddeck was collected.

Action item: staff will improve the sliddeck as discussed, and circulate it to SWC members for their use, as they see fit.

Roundtable updates None

Adjourn **Moved/Seconded** by Mayor Berrigan/Director Morgan that: The March 8th 2017 meeting of the SWC be adjourned.

CARRIED

The meeting adjourned at 1:35 PM.

Item No.	Name	Time
2	Correspondence: Response letter to Minister Polak re: aquatic invasive mussel program	10:15



c/o 200A – 1383 McGill Road
Kamloops, BC V2C 6K7

Province of British Columbia
Office of the Minister of Environment
Sent by e-mail to env.minister@gov.bc.ca

11 April 2017

Re: Invasive Mussel Prevention Program in 2017

Dear Honourable Minister Polak,

Thank you for your correspondence on February 10th, in response to our letter to you and Honourable Premier Clark regarding the threat of aquatic invasive mussels to Shuswap Lake.

The announcement on March 30 regarding two new watercraft inspection stations, 24-hour operation for the Golden inspection station, and the addition of a mussel-sniffing dog is very positive news, and we commend these efforts to protect BC waters. However, after reviewing the *Provincial Zebra and Quagga Mussel Early Detection and Rapid Response Plan* you included in your correspondence to us on February 10th, we remain concerned about the certainty that all infested watercrafts will be intercepted. Section 1.3.2 of the ZQM EDRR Plan states, "...watercraft en-route to BC may be intercepted by having trained personnel conduct visual inspections at selected locations along highways/roadways, provincial and international border crossings or at boat ramps" (emphasis added). Given the potential consequences of zebra or quagga mussel infestations, we strongly encourage the Early Detection Plan be modified such that all watercraft entering BC will be intercepted.

Additionally, section 1.4.9 of the Plan outlines reporting and outreach activities. We respectfully request to be included in the distribution of annual progress reports, ZQM status updates, media releases, alerts, and notifications of events or field days pertaining to zebra and quagga mussels. These should be directed to our program manager Erin Vieira, c/o Fraser Basin Council, by e-mail at evieira@fraserbasin.bc.ca.

Kind regards,

Paul Demenok, Chair, Shuswap Watershed Council
Area 'C' Director, Columbia Shuswap Regional District
250 517-0810
pdemenok@csrd.bc.ca

Item No.	Name	Time
3-1	Report from Program Managers: Annual Highlights report	10:30

Please refer to the *Annual Highlights Report: April 2016 – March 2017* that accompanies the agenda package on-table.

The Annual Highlights Report can also be read or downloaded from the SWC website, www.shuswapwater.ca.

Item No.	Name	Time
3-2	Report from Program Managers: Financial update, for information	10:30

Program Managers' report: SWC finances to the end of the fiscal year (March 31st, 2017)

INCOME

Source	Amount budgeted (\$)	Amount received (\$)	Difference (\$)
Surplus SWC funds (2015-16)	56,240	56,240	0
TNRD	53,600	53,600	0
CSRD (C, D, E, F and District of Sicamous)	108,900	108,900	0
City of Salmon Arm	40,000	40,000	0
Total	258,740	258,740	0

EXPENSES

Activity (per 5-yr plan)	Budget (\$)	Expenses Apr 1 st – Mar 31 st	Variance
Water Quality Monitoring – team/annual work planning	6000	9382	-3382
Water Quality Monitoring – Monitoring expenses	34,300	13,614	20,686
Water Quality Monitoring – database/access to data	10,000	8220	1780
Water Quality Monitoring – investigate historical data	0	0	0
Water Quality Monitoring – exploratory monitoring	7500	6500	1000
Water Quality Monitoring – contingency	20,000	0	20,000
Water Quality Protection – advisory committee	5500	10,505	-5005
Water Quality Protection – Phosphorus research	50,000	50,573	-573
Water Quality Protection – water quality improvement projects/remediation	10,000	10,000	0
Water Quality Protection – education initiatives	7000	4613	2387
Recreation Safety Education campaigns	9500	12,760	-3260
Communications – SWC brand	5000	2667	2333
Communications – collateral	10,000	3196	6804
Communications – public engagement	8000	8891	-891
Communications – annual water quality report	4500	833	3667
Management and facilitation	13,000	22459	-9459
Administration and fund development	16,000	13213	2787
Operating Reserve	42,440	0	42,440
Total for 2016-2017	258,740	177,426	81,314

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4	Recommendation and request for funding support from Water Protection Advisory Committee	11:00

MEMORANDUM

To: Shuswap Watershed Council members

From: Mike Simpson, SWC Program Manager, on behalf of the Water Protection Advisory Committee

Date: Prepared for May 10th 2017 SWC meeting

Re: Project recommendation and request for funding support for Water Protection Initiative activities in 2017

Background

The role of the Water Protection Advisory Committee (WPAC) is to provide input to the following activities of the SWC's Water Protection Initiative:

- Activity B: Identify sources of phosphorus and nutrients (UBC-O research)
- Activity C: Support for restoration/remediation projects that improve water quality (\$10,000 budgeted for costs in 2017)
- Activity D: Support nutrient management education (\$6000 budgeted for costs in 2017)
- Activity E: Promote nutrient management and pollution reduction from other sources (\$1000 budgeted for 2017)

The WPAC met on May 2nd 2017 to discuss opportunities and plans for this year that will address priority water quality issues, build upon existing initiatives in the Shuswap, and leverage or enhance the capacity of other organizations.

Request for project support in 2017

Mallory Creek restoration

The WPAC recommends the Shuswap Watershed Council provide up to \$10,000 to the Gardom Lake Stewardship Society (formerly Friends of Gardom Lake) for the Mallory Creek restoration project (Mallory Creek is also known as Upper Gardom Creek).

Project description: Mallory Creek has been impacted by land use practices, and has disturbances in the riparian area and creek channel including impoundments and culverts. The restoration project will re-align segments of the creek to its original channel, re-establish riparian vegetation, and construct wetlands. Gardom Lake Stewardship Society is the lead on the project, and will oversee hiring a Qualified Environmental Professional (QEP), contracting and permitting. The \$10,000 contribution from the SWC will match funds the Society has already secured for the project. BC Ministry of Transportation and Infrastructure is also contributing to the project by the provision of equipment; they have already completed some culvert replacement.

Project timing: Restoration work would begin in fall 2017, and be completed by March 2018.

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Additional notes: WPAC members noted the strong community interest from the Gardom Lake Stewardship Society in leading this project. Restoring Mallory Creek was identified as a priority in the Gardom Lake Management Plan, which the Society was part of (Gardom Lake Planning Committee, 2015). Additionally, WPAC member Dr. Jeff Curtis noted the ability of constructed wetlands to capture and sequester nutrients, and that this project will likely be aligned with the outcomes of the nutrient management research being led by UBC-Okanagan. Because of its close proximity to Salmon Arm and Enderby, this restoration project will have great potential as a demonstration in addition to the tangible results it will create.

Lower Gardom Creek restoration

In the event that the above-noted project draws a contribution less than \$10,000 from the Shuswap Watershed Council to meet its project budget, the balance of funds will be allocated to Splatsin Development Corporation for the Lower Gardom Creek restoration project.

Project description: The creek will be re-aligned from its outlet at Gardom Lake to its confluence at the Shuswap River. This will polish water quality and help ameliorate flood risk. Local land-owners are supportive and permits are in place.