



COUNCIL MEETING

Shuswap Watershed Council
June 14th 2023 • 9:30 – 11:30 AM



PROGRAM MANAGERS' REPORT

FINANCIAL UPDATE — 2022-23 YEAR-END REPORT

EXPENSES APRIL 1 ST 2022 — MARCH 31 ST 2023	BUDGET (\$)	EXPENSE (\$)	VARIANCE (\$)
Water Quality Monitoring	28,850	23,644	5206
Water Quality Protection & Improvement	158,930	86,895	72,035*
Zebra & Quagga Mussel Prevention	35,875	33,988	1887
Safe Recreation	27,600	24,839	2761
Communications, Public Engagement & Advocacy	55,100	42,990	12,110
Management & Administration	43,750	37,090	6660
Sub-total Program Operations	350,105	249,445	100,660
2023 contribution to Operating Reserve	17,699	0	17,699
Summary of expenses for 2022-23	367,804	249,445	118,359

FINANCIAL UPDATE — 2022-23 YEAR-END REPORT

OPERATING RESERVE	[\$]
Balance on April 1 st 2022 (carried forward from March 31 st)	132,667
2022-23 contribution	17,699
Balance as at March 31 st , 2023	150,366

REVISED BUDGET FOR 2023-24

REVENUE SOURCE	BUDGET (\$)
2022-23 operational surplus	47,656
2022-23 funds allocated and carried forward to 2023-24 projects (water quality grants)	53,004
<i>Per Contribution Agreement:</i>	
CSRD (Areas C, D, E, F, G and District of Sicamous)	160,000
TNRD	53,600
City of Salmon Arm	40,000
Adams Lake Indian Band	1300
<i>Federal grant funding:</i>	
Transport Canada - Boating Safety Contribution Program	24,025
Summary of revenue for 2023-24	379,585

REVISED BUDGET FOR 2023-24

WORK PLAN ITEMS - SUMMARY	Breakdown of expenses (\$)		Total (\$)
	Ext. expenses	Program mgmt.	
Water Monitoring Program	24,900	15,200	40,100
Water Protection & Improvement Program	131,464	18,600	150,064
Zebra & Quagga Mussel Prevention Program	33,300	6600	39,900
Safe Recreation Program	20,000	10,000	30,000
Communications & Advocacy	10,400	24,100	34,500
Council Meetings and Administration	2600	37,500	40,100
Sub-total expenses for 2023-24	222,664	112,000	334,664
2023-24 contribution to Operating Reserve	44,921	0	44,921
Total expenses for 2023-24	267,585	112,000	379,585

REVISED BUDGET FOR 2023-24

WORK PLAN ITEMS	Breakdown of expenses (\$)		Total (\$)
	Ext. expenses	Program mgmt.	
Water Quality Monitoring Program:			
• Shuswap Water Monitoring Group	0	7200	7200
• Water monitoring expenses	17,700	2200	19,900
• Water Quality Report	7200	5800	13,000
Water Quality Protection Program			
• Advisory Committee	0	4200	4200
• Water Quality Grant Program	108,464	9800	118,264
• Wetland Strategy	20,000	4000	24,000
• Climate change impact study (with TRU)	3000	600	3600

REVISED BUDGET FOR 2023-24

WORK PLAN ITEMS	Breakdown of expenses (\$)		Total (\$)
	Ext. expenses	Program mgmt.	
Zebra & Quagga Mussel Prev. Program			
• Education, outreach, engagement campaigns	33,000	6600	39,900
Safe Recreation Program			
• Safety campaigns	20,000	10,000	30,000
Communications, public engagement, advocacy			
• Communications collateral (e.g., Annual Report)	3250	6100	9350
• Public and media engagement	7150	13,800	20,950
• Advocacy	0	4200	4200

REVISED BUDGET FOR 2023-24

WORK PLAN ITEMS	Breakdown of expenses (\$)		Total (\$)
	Ext. expenses	Program mgmt.	
Administration			
• Council meetings, work planning, liaising with Chair and Vice Chair between meetings, governance items	2600	20,800	23,400
• Financial management, fund development	0	16,700	16,700

REVISED BUDGET FOR 2023-24

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ACTION ITEMS FROM LAST MEETING

- Staff follow up with the BC Ministry of Environment & Climate Change Strategy regarding:
 - Clarity on item mentioned in Minister Heyman's letter of March 2nd, 2023 ✓
 - Public posting of Ministry compliance and enforcement reports ✓
- Staff follow up Water Quality Grant applicants to schedule site visits and prepare Contribution Agreements ✓
- Staff re-circulate information from Dr. Francois Robinne's presentation in March 2022 about forest fires and watersheds ✓
- Staff circulate meeting slide deck (March 8th 2023) to SWC members and post online with the meeting summary ✓

PROGRAM OPERATIONS SINCE LAST COUNCIL MEETING

- Water Quality Grant Program
- Zebra & Quagga Mussel Prevention Program
- Safe Recreation Program
- Wetland strategy
- Ad hoc meeting with Interior Health re: algal bloom response
- Communications



Water quality grant program

- Staff did site visits to each of the grant recipients in late March
- Contribution Agreements have been signed with each grant recipient
- First 50% grant payments have been issued







Zebra & Quagga Mussel Prevention

- Educational campaigns underway for boating season
 - May was 'Invasive Species Action Month'
 - Campaigns in local newspapers, radio, and social media
 - Promoting 'Clean-Drain-Dry' and watercraft inspection
- Staff participated in provincial working group meeting
- Early detection monitoring for ZQM is underway at 13 sites in the Shuswap watershed
 - Field program by Columbia Shuswap Invasive Species Society with funding support from the SWC



Zebra & Quagga Mussel Prevention

shuswapwater.ca

STOP THE SPREAD OF AQUATIC INVASIVE SPECIES IN THE SHUSWAP!

To avoid accidentally introducing invasive Zebra and Quagga Mussels to the Shuswap, or moving other aquatic invasive species such as invasive clams from one waterbody to another, **you should:**

- ❗ **Clean. Drain. Dry.**
Clean ALL watercraft, trailers and equipment including waders and fishing gear.
Drain all compartments and items holding water (such as bilge, wells and buckets) onto dry land.
Dry all items completely before launching into another body of water.
- ❗ **STOP at Watercraft Inspection Stations as you pass them in your travels.**
All types of watercraft must stop for inspection.
- ❗ **Don't let it loose!**
Never release aquarium plants, animals, or water into the environment or down a drain.

May is
Invasive Species
Action Month!



#DONTMOVEAMUSSEL



Quagga mussels in Lake Mead, Nevada:



These sections of pipe - which were taken from under the water - illustrate how quickly the mussels have colonized all over and inside the pipes. In just six months, the pipe on the right is fully encrusted and filled in.

BOAT SMART! 300+ HAZARDS AND POINTS OF INTEREST

Shuswap SUNCRUISER

LUXURIOUS Lake Living

10 EASY MAINTENANCE TIPS

- WHY YOU SHOULD RENT A HOUSEBOAT
- STAY HOOKED: ANCHOR THE RIGHT WAY

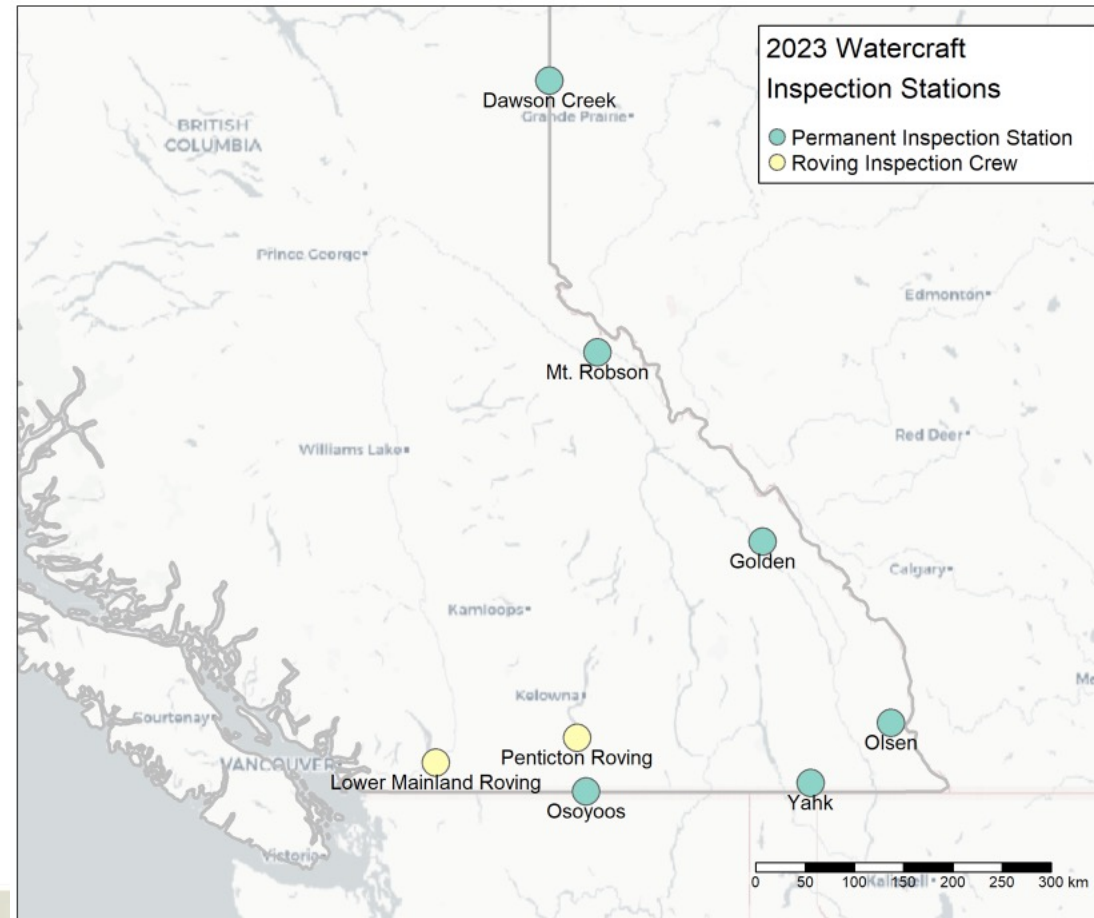


Zebra & Quagga Mussel Prevention

- Brand new report released from the Province, “Potential Economic Impact of Zebra and Quagga Mussels in BC”
- Highlights from the report:
 - ZQM occur in 24 states as well as Ontario, Quebec and Manitoba. No ZQM known in the Western provinces.
 - “Favourable habitat conditions in BC’s freshwater make them a significant economic risk...”
 - Updated annual cost estimates to deal with ZQM invasion in BC range from \$64 - \$129 M (a previous 2013 study estimated annual costs at \$53M)
 - Economic risk factors: hydro facilities, irrigation infrastructure, municipal water treatment facilities, self-supplied domestic water systems, recreational fisheries, boats and marinas, tourism, property and shoreline values



Zebra & Quagga Mussel Prevention



Map of provincially operated watercraft inspection stations for 2023



Zebra & Quagga Mussel Prevention

- Federal government has just announced a new Aquatic Invasive Species Prevention Fund (AISPF)
 - \$8.75 M over five years for invasive species prevention
 - \$3.3 M is already awarded to 8 projects across Canada
 - Call for proposals is open until August 31st
 - Staff will look into this as a possibility for new funding for the SWC's program

Safe Recreation program

- Staff received notice from Transport Canada that grant application was successful
 - \$24,025 grant for the Safe Recreation Program
 - Will cover 75% of program expenses
 - The SWC is one out of seven grant recipients in Canada for this federal funding program



Safe Recreation program

- Program launched on May long weekend with the first of several campaigns for the summer
- Promoting nation-wide campaigns: Boating Safety Week, Water Safety Week, Drowning Prevention Week
- Promoting 8 tips for safety
 - Posters, rack cards
- Variety of media: advertisements and editorials, social media, radio campaigns





There are **19** PFD loaner stations located around the Shuswap!

NO LIFE JACKET?

You can borrow one for a child free-of-charge from a **Kids Don't Float PFD loaner station**, provided by the Royal Canadian Marine Search and Rescue, Station 106 Shuswap.



- 1 Sicamous Boat Launch.....Sicamous
- 2 Old Town Bay Boat Launch.....Sicamous
- 3 Canoe Beach Park.....Canoe
- 4 Downtown Salmon Arm Boat LaunchSalmon Arm
- 5 Sunnybrae Community Park.....Sunnybrae
- 6 Herald Provincial ParkSunnybrae
- 7 Harbour Road Boat Launch.....Blind Bay
- 8 Sandy Beach Community Park.....Blind Bay
- 9 Markwart Road Boat Launch.....Sorrento
- 10 Shuswap Lake Provincial Park.....Scotch Creek
- 11 Magna Bay Wharf Road Park.....Magna Bay
- 12 Memorial Park Boat Launch.....Chase
- 13 Oxford Road Lake Access.....Swansea Point
- 14 Beswick Road Community Park.....Seymour Arm
- 15 Bristow Road Boat LaunchCelista
- 16 Belvidere ParkEnderby
- 17 Tvey Park.....Enderby
- 18 Shannon Beach.....Eagle Bay
- 19 White Lake Community Park.....White Lake



**ROYAL CANADIAN MARINE
SEARCH & RESCUE**
Saving Lives on the Water
Station 106 • Shuswap



Wetland Strategy

- Ad hoc Wetland Committee met on April 3rd
 - Defined the purpose and objectives of the Shuswap Watershed Wetland Strategy
 - Identified funding opportunities
 - Actions: for staff to seek a quote for hiring a contractor to do some GIS analysis, create an inventory and map of water features for study area
 - Quote came in at \$2260 + appl taxes. Can cover this cost with existing Wetland Strategy budget.
 - Next committee meeting on June 19th
- Staff applied to Habitat Conservation Trust Foundation for a 'Capacity Grant' – applied for \$25,000 to support development of wetland strategy
 - Will receive notice in July



New algal bloom response responsibilities

- Met with Interior Health (IH) and CSRD chair and staff, City of Salmon Arm deputy mayor and staff, Sicamous mayor and staff on May 5th
 - New recommendations from IH for beach 'owners' to create a Beach Safety Plan
 - Regular monitoring for algae (i.e., weekly)
 - Beach owners responsible for issuing/communicating cautionary advisories for algae
 - Permanent signage about algae recommended by IH at beaches
 - IH will provide water sample analysis
 - IH will have a dedicated staff member to support local government beach owners





Communications

Annual Report for 2022-23 was published May 12th.

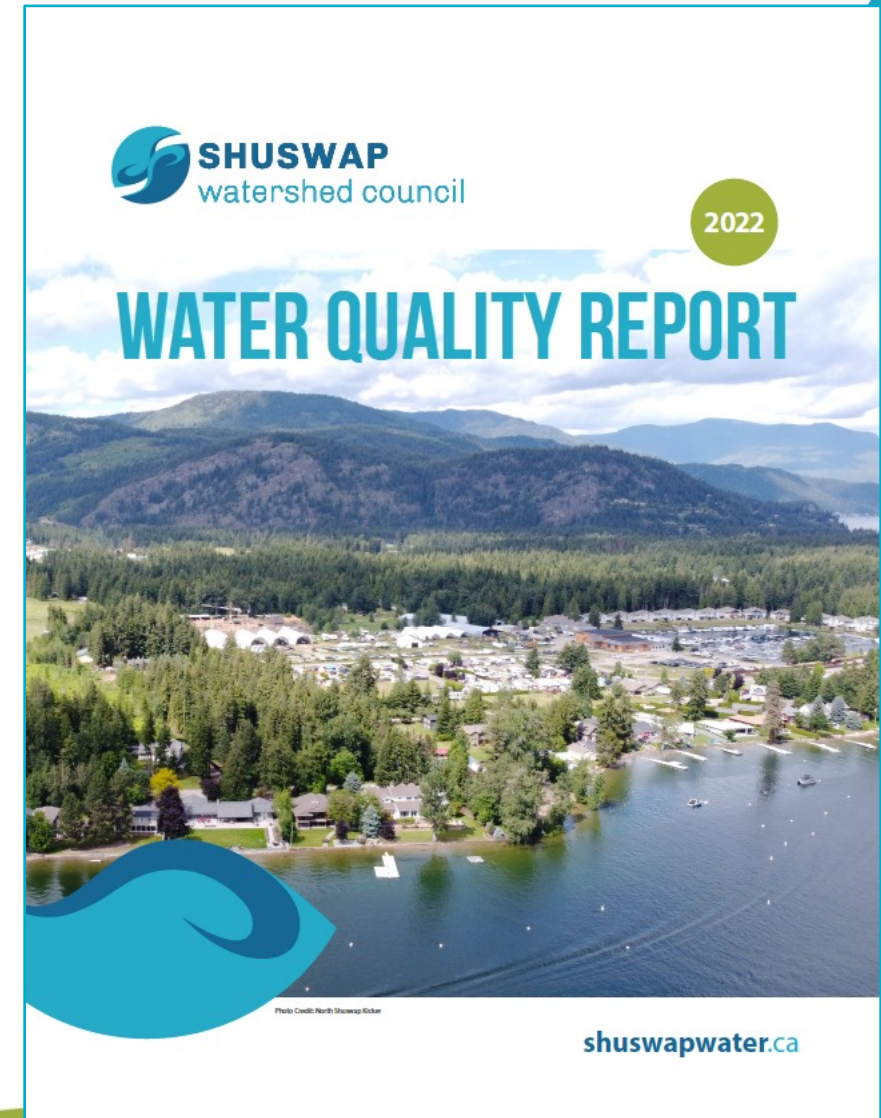
Available at:

- www.shuswapwater.ca
- CSRD, City of Salmon Arm, Splatstin, Adams Lake Indian Band, District of Sicamous, TNRD, RDNO offices



Current priorities

- 2022 Water Quality Summary Report (in progress)
 - Will be posted online
 - Print copies distributed to SWC partner offices, libraries, etc.
- Awareness campaigns
 - Zebra & Quagga Mussels
 - Safe recreation
- Communications for spring and summer





Communications Plan – spring-summer 2023

Objectives:

- To increase awareness of the SWC among Shuswap-area residents
- To present information about the SWC's programs and value to CSRD voters

Roles:

- Chair, Vice Chair, and staff are the spokespersons for the SWC. Media inquiries should be directed to them.
- Staff will deliver communications campaigns
- CSRD directors encouraged to host a community meeting (with staff support)



Communications Plan – spring-summer 2023

Key communications collateral:

- Annual Report for 2022-23
- SWC website and social media
- Media releases
 - E.g., *Shuswap watershed groups warn of economic impacts of mussels, emphasize importance of prevention – June 9th, 2023*
- Regular campaigns – invasive mussels, safe boating and recreation
- Community meetings



Communications Plan – spring-summer 2023

Key tasks:

- Publish 2022-23 Annual Report
- Maintain up-to-date website
- Hold community meetings to present information, facilitate Q&A
- Keep SWC presence in the media and social media
- Seek support from partners (e.g., RCM-SAR, CSISS)
- Provide communications support to CSRD staff



NEW BUSINESS
