



**Salt Spring Island
Watershed Protection Authority
Regular Meeting Draft Agenda**

Date of Meeting: Friday May 20, 2016 10:30 am – 12:30 pm

Location: 145 Vesuvius Bay Rd., Salt Spring I., CRD PARC portable

1. CALL TO ORDER

2. APPROVAL OF AGENDA

3. MINUTES

3.1 Draft Minutes of the April 22, 2016 SSI Watershed Protection Authority Regular Meeting – for approval

4. CLOSED MEETING RESOLUTION

The Salt Spring Island Watershed Protection Authority closes this meeting to the public subject to Community Charter Section 90(2)b *the consideration of information received and held in confidence relating to negotiations between the municipality and a provincial government or the federal government or both, or between a provincial government or the federal government or both and a third party.*

5. OPEN MEETING RESOLUTION

The Salt Spring Island Watershed Protection Authority re-opens this meeting to the public subject to Section 89 of the Community Charter.

6. BUSINESS ITEMS

6.1 Chair's report

6.2 St. Mary Lake water quality update – NSSWD Board Representative

6.3 Cusheon Lake water quality update – Doreen Hewitt

6.4 Coordinator's report – attached for information p 12-14

6.5 Technical Working Group report – TWG Co-Chair (Don Hodgins)

6.6 LTC Resolution #2

"The Salt Spring Island Local Trust Committee supports SSIWPA's draft proposal to undertake a multi-agency, integrated planning exercise to reconcile sustainable source of potable surface and ground water with the aspirations expressed in the OCP for modest improvements to the built environment, and to examine how maximum benefit can be realized from sustainable water resources through conservation and recycling."

Request from SSIWPA Chair to each agency representative:

As per the April 22, 2016 SSIWPA Regular Meeting Minutes, would you please come to the May 20, 2016 SSIWPA Regular Monthly Meeting prepared to confirm the nature of participation by your agency in this proposed Program for SSIWPA?

- 6.6.2 **Proposal 2-1: "The SSIWPA steering committee agrees to undertake an Integrated Water Management Program to reconcile the sustainable source quantity of potable surface and ground water available on Salt Spring Island, with the aspirations expressed in the OCP for modest improvements to the built environment, and to examine how maximum benefit can be realized from sustainable water resources through conservation and recycling." - Chair**
- 6.6.3 **Proposal 2-2: "That SSIWPA steering committee refers to the TWG for information and comment the intention to undertake an Integrated Water Management Program for Salt Spring Island; and, it requests the TWG to draft the technical scope of the Program and how it might impact its work plan, and then report back to the steering committee." - Chair**
- 6.6.4 **Proposal 2-3: "That SSIWPA steering committee is to prepare a draft scope of work for the Integrated Water Management Program as a whole, and to refer this scope of work to the various agencies and TWG for comment and input." - Chair**

6.7 LTC Resolution #1 (continued over page)

6.7.1 The Local Trust Committee passed the following resolution (5/5/2016):

"The Salt Spring Island Local Trust Committee and North Salt Spring Waterworks District agreed to enhance the depth of collaboration through Salt Spring Island Watershed Protection Authority and have proposed that the Salt Spring Island Watershed Protection Authority prioritize a review and completion of the Water Conservation Supply and Demand Management Plan for Salt Spring Island, written by Opus DaytonKnight Consulting."

- 6.7.2 **Proposal 1-1:**
"That SSIWPA request that the Technical Working Group review the following three reports in order to provide a critical, technical assessment of the methods, results and conclusions reached by the reports' authors, in terms of their stated objectives:

i) Kerr Wood Leidal report on water availability for St. Mary Lake;

ii) Kerr Wood Leidal report on water availability for Lake Maxwell; and
iii) Opus DaytonKnight report on water conservation and demand management for Salt Spring Island, and to prepare a technical memorandum stating it's findings and conclusions." - Chair

6.8 Budget and Workplan Updates

6.8.1 **2015-16 SSIWPA Income Statement** - attached p 15

6.8.2 **Current Workplan** - attached p 16

6.8.3 **Adopted 2016-17 Budget** and **Corrected Budget** - both attached p 16-17

6.9 SSIWPA Capacity-Building - a roundtable discussion

6.9.1 FLNRO Water Budget Funding Application - memo from member Lapcevic attached

6.10 **2016 Water Fair Report** - attached p 20-47

6.11 **St. Mary Lake Sign** – attached, update and next steps p 48-49

6.12 Upcoming Events

6.12.1 **SSIWPA and Community Workshop with Diana Allen**
“Estimating Groundwater Recharge to the Gulf Islands: Challenges and Progress”

Proposed date: Friday August 19, 2016

Proposed schedule:

9:30 am – 11:00 am Regular monthly SSIWPA meeting

11:00-11:15 am, break

11AM publicized start time (public arrives over 15 minutes)

11:15 am – 12:30 pm - presentation by Diana Allen, incl. questions

12:30 pm - public departs

12:30 – 1:30 pm SSIWPA-hosted luncheon (? with TWG)

Venue: discuss

6.12.2 **St. Mary Lake Celebration Event (Coordinator)**

(see next)

6.13 Correspondence

- 6.13.1 SSIWPA-supported Habitat Conservation Trust Foundation Grant Application from two local stewardship groups was made to the “Public Conservation Assistance Fund” on May 13, 2016 for shoreline restoration project (2 years).

Application includes benefits to fish and wildlife habitat, as well as public recreation. It includes volunteer-driven citizen science and education; two stewardship workshops per lake; youth involvement; biodiversity inventories over 2 years; and runoff and lake water chemistry monitoring over two years.

- 6.13.2 Memo regarding capped Blackburn Rd. landfill monitoring - attached for information

p 50

- 6.13.3 Letter sent from SSIWPA Coordinator to Ministry of Transportation and Infrastructure (ACTION ITEM 7.3 April 22, 2016) - attached for information

p 51

7. OTHER BUSINESS

- 7.1 Questions and Comments from Public

8. NEXT MEETING of the Steering Committee

Friday June 17, 2016 10:30 am - 12:30 pm – @ CRD portable 145 Vesuvius Bay Rd., Salt Spring Island, BC

9. ADJOURNMENT



Salt Spring Island Watershed Protection Authority

Minutes of a Regular Meeting

Date of Meeting: Friday, April 22, 2016
Location: 145 Vesuvius Bay Road, CRD PARC portable
Salt Spring Island

Members Present: George Grams, Chair, Islands Trust Local Trustee
Shannon Cowan, Coordinator
Dale Green, Capital Regional District, Integrated Watershed (via telephone conferencing)
Doreen Hewitt, Beddis Water Service Area Commissioner
Lorrie Hunt, Fernwood Water Service Area Commissioner
Wayne McIntyre, Capital Regional District (CRD) Director
Jeff Thompson, North Salt Spring Waterworks District (NSSWD) Trustee

Staff Present: Sarah Shugar, Recorder

Regrets: Pat Lapcevic, Ministry of Forests, Lands and Natural Resources
Stefan Cermak, Regional Planning Manager (RPM)

Technical Working Group Liaison: Don Hodgins, Chair, SSIWPA Technical Working Group

Media and Others Present: Fred Beall, Technical Working Group member
3 members of the public

These minutes follow the order of the agenda although the sequence may have varied.

1. CALL TO ORDER

Chair Grams called the meeting to order at 10:30 a.m.

2. APPROVAL OF AGENDA

By general consent, the agenda was adopted.

3. MINUTES

3.1 Draft Minutes of the March 18, 2016 Salt Spring Island Watershed Protection Authority Regular Meeting

By general consent, the Salt Spring Island Watershed Protection Authority agreed the Minutes of March 18, 2016 be amended by adding: “and send survey to watershed residents” to item 7.7.1 and that the minutes be adopted as amended.

4. CLOSED MEETING RESOLUTION

At 10:32 a.m., it was **MOVED** and **SECONDED** that the Salt Spring Island Watershed Protection Authority closes this meeting to the public subject to Community Charter Section 90(1) a for the receipt of personal information about identifiable individuals who are being considered for positions being appointed by the Authority.

CARRIED

5. OPEN MEETING RESOLUTION

At 10:35 a.m., it was **MOVED** and **SECONDED** the Salt Spring Island Watershed Protection Authority re-opens this meeting to the public subject to Section 89 of the Community Charter.

CARRIED

6. RISE AND REPORT - none

7. BUSINESS ITEMS

7.1 Chair's Report

Chair Grams reported Trust Council approved the 2016-17 budget including the tax requisition securing SSIWPA's core funding. He has been in discussions with Islands Trust Corporate Administrative Officer (CAO) Russ Hotsenpiller regarding whether SSIWPA's Terms of Reference allows SSIWPA to undertake a broader review of surface and groundwater resources that would include a multi-agency approach to examine both surface and groundwater. It has been confirmed that SSIWPA has the authority and the next step is for the Islands Trust to outline the work plan and for agencies to extend their commitment to collaborate on this workplan. He also reported that he has been working on rebuilding the SSIWPA websites following hacking of the websites. Both websites are up and running again although there are still some issues with the document library. The Saturna Island Local Trust Committee has invited Diana Allen to present her latest findings on groundwater research.

W. McIntyre advised he would discuss the workplan for a surface and groundwater review with D. Green next week.

Coordinator Cowan reported Mayne Island has completed a full assessment of their groundwater resources.

By general consent, the Salt Spring Island Watershed Protection Authority agreed Coordinator Cowan will contact the Ministry of Forests, Lands and Natural Resource Operations regarding their plans for a groundwater analysis.

7.2 St. Mary Lake Water Quality Update – North Salt Spring Waterworks District

Jeff Thompson reported the level of St. Mary Lake is at the weir height and the level has dropped significantly. The lake is currently experiencing an algal bloom. The next North Salt Spring Waterworks meeting is scheduled on April

27, 2016.

7.3 Cusheon Lake water quality update

Doreen Hewitt presented an update regarding the Cusheon Lake Watershed and the following highlights were presented:

- Secchi Disk measurement was 3.75 metres on Mar. 28, 3.74 metres on Apr. 1, 5 metres on Apr. 8, 4.9 metres on Apr. 14, 5.09 metres on Apr. 20. The lake is very clear at this time.
- The uncorrected Lake gauge measurement was 1.32 metres on Mar. 28, 1.298 metres on Apr. 1, 1.25 metres on Apr. 8, 1.268 metres on Apr. 14, 1.284 metres on Apr. 20. The lake is down .036 metres from March 28, 2016;
- Rain received at Salt Spring Elementary by April 21 2016 = 15.7mm, April 30 2015 = 35.3 mm, April 30 2014 = 55.9 mm;
- Blackburn Creek is flowing into and out of Blackburn Lake;
- Blackburn Creek is still slowly flowing a very small amount into Cusheon Lake;
- Cusheon Creek has only a small flow out of the lake;
- The beavers started making a beaver dam just after April 8;
- The lake temperature is rising and the oxygen at the bottom is getting lower;
- It looks like Cusheon Lake is stratifying and the oxygen near the lake bottom is already at only 3 mg / litre;
- Investigated a possible cause of the high turbidity last month. The Ministry of Transportation and Infrastructure (MOTI) did some ditching in March. It was disappointing that no mitigating measures were put in place to prevent silting. Photos were sent to Coordinator Cowan.

There was discussion regarding recent ditching done by MOTI and it was noted that Mainroad Contracting has met with the Salt Spring Island Water Council regarding ditching practices in the past.

By general consent, the Salt Spring Island Watershed Protection Authority agreed D. Hewitt and Coordinator Cowan would contact the Ministry of Transportation and Infrastructure regarding best practices for ditching and would invite Roads Area Manager Travis Tormala to the next SSIWPA meeting.

7.4 Coordinator's Report

Coordinator Cowan presented the Coordinator's Report for March 15, 2016 to April 14, 2016.

By general consent, the Salt Spring Island Watershed Protection Authority agreed Coordinator Cowan and W. McIntyre would follow up regarding a pollution barrier requirement for development in Riparian Areas.

7.5 Technical Working Group Report

Don Hodgins presented an update regarding the Technical Working Group (TWG) and the following highlights were presented:

- St. Mary Lake Monitoring and Reporting:

- P-loading study is complete, looking at link between high rainfall and P-loading that should be complete by the end of May 2016;
- Current Activities:
 - TWG will host a public meeting regarding climate change and drought. The event is scheduled on May 9, 2016 1:00 p.m. to 3:00 p.m. at the CRD PARC portable and all SSIWPA members are invited to attend;
 - Cusheon Lake – septic field monitoring: looking into whether soil sampling would be sufficient rather than drilling wells as was done for SML;
 - Groundwater Quantity: in preliminary stages of looking at the well data and inventory.

D. Green reported Ministry of Environment has engaged a consultant to undertake lake sediment sampling as part of a management plan for Elk Lake. There is a possibility for sediment sampling in Cusheon Lake as well and he will discuss the sampling plan for Cusheon Lake with the TWG.

7.6 Cusheon Watershed Management Plan Review

7.6.1 Update by TWG – presentation by TWG members Fred Beall and Katsky Venter

Fred Beall presented an update regarding the Cusheon Watershed Management Plan (CWMP) 2007 Review by the Technical Working Group and the following items were noted:

- Met with Cusheon Lake Stewardship Committee to gather their perspective on the watershed and CWMP;
- Reviewed scientific reports and CWMP;
- TWG Proposed Actions:
 - Continue to review previous reports, possibly collect new water quality data;
 - Develop a water balance model for CW;
 - Update P modeling for CL (P Budget);
 - Develop research projects as time and funds permit, in priority order for ability to impact water quality and quantity in Cusheon Lake, and health of the watershed: i) P deposition, ii) lake-bottom sediment loading, and iii) septic-P lake loading
- The three primary sources of P from the atmosphere are dust, pollen, and biomass burning and it was noted that atmospheric loading may be more significant than previously identified.

It was also noted that landfill sites are required to be monitored for 30 years.

Chair Grams acknowledged the Technical Working Group for work done on the Cusheon Watershed Management Plan Review .

7.7 Updated SSIWPA Workplan

Coordinator Cowan presented an overview of the updated SSIWPA Workplan and noted the SML Celebration is scheduled for June 19, 2016.

There was discussion regarding the SSIWPA Workplan and the following items were noted:

- add a legend for acronyms in the workplan;
- delete completed items or make a second chart for completed items;
- delete item 33;
- add links to the reports.

7.8 Habitat Conservation Trust Foundation “Public Conservation Assistance Fund”

7.8.1 “Shoreline Restoration of Public Use Areas at Cusheon Lake and St. Mary Lake, Salt Spring I., B.C. “ A DRAFT Grant Application by Cusheon Lake Stewardship Committee and Island Stream and Salmon Enhancement Society

Coordinator Cowan presented a project overview for the “Public Conservation Assistance Fund” grant application. The Cusheon Lake Stewardship Committee is interested in undertaking riparian restoration of the Cusheon Lake public beach access. The CRD has a Licence of Occupation from the MOTI for the beach access and there is no ownership of the dock. There was discussion regarding the grant application and it was noted the Salt Spring Island Parks and Recreation Commission and MOTI have expressed their support.

By general consent, the Salt Spring Island Watershed Protection Authority agreed Coordinator Cowan would contact Nancy Krieg, Landscape Architect regarding the Cusheon Lake public beach access.

By general consent, the Salt Spring Island Watershed Protection Authority expressed support for the Habitat Conservation Trust Foundation “Public Conservation Assistance Fund” grant application for riparian restoration of the Cusheon Lake public beach access.

7.9 St. Mary Lake Sign – Final DRAFT

The final draft of the St. Mary Lake Sign was presented for consideration. There was discussion regarding the St. Mary Lake Sign and the following items were noted:

- to seek clarification from the CRD regarding the CRD logo and whether it represents the Salt Spring Island Parks and Recreation Commission;
- the watershed map is to be finalized and approved by the Islands Trust and should include an accurate representation of the riparian areas and a clear watershed boundary.

By general consent, the Salt Spring Island Watershed Protection Authority expressed support for the final draft of the St. Mary Lake Sign pending submission of the watershed map to the Capital Regional District for final approval.

7.10 Correspondence

- 7.10.1 Letter sent by SSIWPA Coordinator to CRD Resource Management Department re: Blackburn decommissioned landfill and waste transfer station site monitoring reports

The correspondence was received for information.

8. OTHER BUSINESS

8.1 Questions and Comments from Public

One member of the public expressed concern regarding the recent ditching work done within the Cusheon Lake Watershed and noted the restoration work that may be necessary. He asked for suggestions on how to stop these ditching practices and noted the Fisheries Act was a tool that is no longer available. He expressed further concern that Mainroad Contracting may seed and fertilize the ditches .

One member of the public expressed concern regarding the recent ditching work done in the Cusheon Lake Watershed and noted the presence of white material entering a fish-bearing stream that was concerning to Watershed Preservation Society volunteers. She suggested regular inter-agency discussions regarding best practices for ditching.

One member of the public acknowledged the Salt Spring Island Watershed Protection Authority for efforts to protect the watersheds. He expressed concern regarding the recent ditching work done in the Cusheon Lake Watershed and suggested that concerned residents speak with the machine operator and record the ditching activities.

By general consent, the Salt Spring Island Watershed Protection Authority agreed Coordinator Cowan would provide contact information for public complaints regarding ditching practices within the Cusheon Lake Watershed.

9. NEXT MEETING

The next meeting is scheduled Friday, May 20, 2016, 10:30 a.m. - 12:30 p.m. at the CRD portable 145 Vesuvius Bay Road.

10. ADJOURNMENT

By general consent the meeting adjourned at 12:09 p.m.

George Grams, Chair

CERTIFIED CORRECT:

Sarah Shugar, Recorder

DRAFT



SSIWPA Coordinator's Report for the period:

April 15, 2016 – May 13, 2016

SSIWPA – Meetings

Lynne Magee VIHA follow up
tried again Friday 29 Apr (no response)
called Tuesday 26 Apr
called and emailed week of April 18
rcvd email Mar 17 from Lynne expressing interest in attending SSIWPA Steering meetings
agenda created May 20 Regular SSIWPA meeting
advertised TWG meeting to Steering and public
TWG meeting agenda creation and distribution
TWG sent draft May 9 minutes to committee
TWG meeting facilitation (Due May 9, 2016)
reviewed DRAFT SSIWPA meeting minutes
forwarded minutes to Chair and Planner
adopted minutes March 2016 sent to Trust Staff and online

Other In-Progress:

TWG follow up after meeting

- Meet with two members regarding action items in May 9 TWG minutes*

SSIWPA – Projects and Facilitation

Apr 22 Item 7.3: Coordinator to invite MoTI Roads Manager Tormala to next SSIWPA meeting re: ditching Blackburn

Apr 22 Item 7.1: Coordinator Cowan will contact the Ministry of Forests, Lands and Natural Resource Operations regarding their plans for a groundwater analysis

Budget: reviewed 2015-16 year end income statement with finance officer
Corrections to 2016-17 budget (see Agenda May 20)

Landfill Site investigation CRD Resource Mgmt Dept

call CRD about landfill testing

contacted A Bains about FOI request for site reports, reply received and forwarded to TWG and SSIWPA

forwarded findings in memo to Cusheon Lake Stewardship Cttee

in progress:

- Ask Fred Beall and Katsky Venter how findings might impact review of CWMP?*

Ditching issues Blackburn:Cusheon (Due May 4, 2016)

wrote letter to Travis Tormala, MoTI

in progress

send letter with DHewitt and photos requesting advice about how public can stop this action

Assisted with writing HCTF Grant – SML/CW Riparian Restore (approx. 20 hours)

(This grant will appeal to more than 3 Management Actions in SML IWMP 2015, and some in CWMP 2007)

Worked with N. Krieg for planting site plans

Worked with FLNRO, MOE, MoTI on permissions, letters of support

Researched fish and wildlife data

Compiled package to submit

Wrote Water Fair report

got review by Suzan Chamney, Water Council

published as draft in this agenda package (May 20)

Map and Sign SML – finalizing steps

With Barb and Kate Emmings - finalize map

Requested verification of Hulqumi'num name for lake on the sign –referred to **Robert Morales and Rosanne Daniels from HTG** (*hulquminum treaty group*)(*in-progress*)

CRD approved correct logo (K Campbell)

spoke to Karla Campbell CRD on May 5

In-progress:

get CRD approval for sign – PARC to review May 16

send sign to printer/sign maker

SSIWPA Workplan (updates)

Created one new item at bottom

Added bars to SML IWMP actions without timelines yet

In progress

add links to the reports

Other In-Progress:

Show the effects of recent ditching to MoTI and Mainroads.

Invite Mainroads to meet with SSIWPA – CLSC follow up?

DPA package, and Building BMPs, and Septic info package for Realtors

bylaw info

place on website, make placard for display Jun 19

add contact info for public re: ditching (Item 8.1 April 22 2016)

SSIWPA - Outreach

Communications with SML public re: vegetation
Communications with NSSWD Manager – referrals
Watersheds 2016 and Freshwater alliance - promo to Watermark and online (Due May 13, 2016)
Write Watermark newsletter for May
Water Fair bookkeeping, report writing (Due May 12, 2016) ★
News post about LTC resolutions on website
Response to member of public regarding invitations to TWG members for private group presentations
Announcements for other groups:
 Aquatic weed workshop Elk Lake news post on website
Added Neil and Sylvia and Lynne Magee to newsletter subscriber list

SML Celebration Event Plan

Set vision on paper
invitation to participants created
two speakers confirmed
NSSWD, Water Council, and SSIWPS invited
volunteer call sent to list of shoreline property owners
In progress:
 Insurance – in progress
 Games and races – plan and leaders
 Refreshments – plan and volunteers
 Invite performers
 Invite Islands Trust and CRD spokespeople
 How to display the Plan
 Invite the SML PAC to be involved
 complete IWMP action 4 - BMPs listed on web and placard for event
 call SSI Transit about shuttle
 call SS Rentals about chairs
 volunteer list filled
gofishbc

Diana Allen event - Date secured: Aug 19, 2016

In progress:
 invite Saturna, Mayne, Pender, Galiano, Gabriola LTCs
 secure venue

Other In-Progress:

Query re glyphosate on Lee rd ★

Cusheon Survey

 outreach calls etc.
 data analysis, describing trends
 report out to SSIWPA

**SALT SPRING ISLAND LOCAL TRUST COMMITTEE
WATERSHED PROTECTION AUTHORITY
FOR REVENUE/EXPENDITURES RECOGNIZED TO MARCH 31, 2016
(See details on 2015-16 expense details worksheet)**

REVENUE	YTD ACTUALS	BUDGET	BALANCE REMAINING	% OF BUDGET SPENT YTD
SSI LTA Special Property Tax Requisition	\$119,500.00	\$119,500.00	0.00	100%
Unspent funds from 2014/15 Special Property Tax Requisition	42,980.93	42,980.93	0.00	100%
Grant Revenues	8,323.41	10,823.41	2,500.00 *	
CRD Contribution to SSIWPA	3,500.00	0.00		
Total Revenue	\$174,304.34	\$173,304.34	\$2,500.00	101%
EXPENSES				
SSIWPA Coordination	83,145.14	\$85,000.00	1,854.86	98%
SDM Process supported by Grants	8,323.41	10,823.41	2,500.00	77%
SDM Process not support by Grants budgeted for 2015-16	21,471.99	0.00	-21,471.99	
Meeting cost (3 committees, minute taking, room rental)	5,414.43	8,000.00	2,585.57	68%
Water Conservation Plan	40,820.80	42,980.93	2,160.13	95%
Community Events and Communications	6,800.95	4,000.00	-2,800.95	170%
Contingency	490.37	10,000.00	9,509.63	5%
Administration Levy	7,837.25	12,500.00	4,662.75	63%
Total Expenses	\$174,304.34	\$173,304.34	-1,000.00	101%
Total Surplus (Deficit) to date	\$-	\$-		

*unspent in 2015-16/remains in unearned grant revenue

Activity	Management Action	Start Date	Finish Date	% Complete	Timeline																																															
					Aug 14	Sept 14	Oct 14	Nov 14	Dec 14	Jan 15	Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sept 15	Oct 15	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sept 16	Oct 16	Nov 16	Dec 16	Jan 17	Feb 17	Mar 17	Apr 17															
1 Coordination, Funding, Admin		11/16/15	5/31/16	87%	[Timeline bars for Coordination, Funding, Admin]																																															
2 LTC-SSIWPA project: Conservation and Supply Consulting NSSWD area		12/1/15	3/31/16	75%	[Timeline bar: Report pending]																																															
3 Grant proposal: HCTF for SML IWMP actions, Cusheon survey and stewardship actions		2/1/16	5/31/16	75%	[Timeline bar: approved]																																															
4 Budget CRD for 2016		11/16/15	3/14/16	100%	[Timeline bar: approved]																																															
5 Tax Requisition funding request for SSIWPA		1/1/16	3/31/16	100%	[Timeline bar: approved]																																															
7 Outreach and Watershed Stewardship Education		9/21/15	9/16/16	82%	[Timeline bar: THIS WORKPLAN IS DRAFT FOR DISCUSSION PURPOSES]																																															
8 Fall Fair 2015		9/21/15	9/24/15	100%	[Timeline bar: completed]																																															
9 Water Fair 2016 (incl. IWMP workshop action)		1/1/16	5/13/16	100%	[Timeline bar: completed]																																															
10 MONAD - SSIWPA booth at community event		2/1/16	2/29/16	100%	[Timeline bar: completed]																																															
11 SML : Three common perceptions challenged by the SSIWPA 2014-15 monitoring program_ M Squires		2/1/16	2/29/16	100%	[Timeline bar: completed]																																															
12 SML: Septic Final Paper 2014-15_ D Hodgins		2/1/16	2/26/16	100%	[Timeline bar: completed]																																															
13 SML Celebration at the lake		5/3/16	6/17/16	0%	[Timeline bar: completed]																																															
14 Open house 2015		11/27/15	11/27/15	100%	[Timeline bar: completed]																																															
15 Annual report		2/29/16	2/29/16	100%	[Timeline bar: completed]																																															
16 Fall Fair 2016		9/16/16	9/16/16	0%	[Timeline bar: completed]																																															
17 Water Fair 2017		3/31/17	3/31/17	0%	[Timeline bar: completed]																																															
18 St Mary Lake		9/21/15	9/1/17	44%	[Timeline bar: completed]																																															
19 SSIWPA IWMP Final and Printing		12/1/15	12/1/15	100%	[Timeline bar: completed]																																															
20 Reporting: REFBC, Berman Fdn, Prov. Ministries		10/5/15	10/16/15	100%	[Timeline bar: completed]																																															
21 Press Releases: DW, Van island		9/28/15	10/16/15	100%	[Timeline bar: completed]																																															
22 Public WQ sampling program presentation by Dr. Squires		10/5/15	10/9/15	100%	[Timeline bar: completed]																																															
23 Stormwater monitoring: TWG	MA1	10/26/15	4/29/16	75%	[Timeline bar: completed]																																															
24 Septic : TWG	MA2	10/12/15	10/16/15	100%	[Timeline bar: completed]																																															
25 Quality monitor: TWG, CRD, NSSWD	MA3	11/9/15	4/29/16	100%	[Timeline bar: completed]																																															
26 BMP document	MA4	10/24/16	12/30/16	0%	[Timeline bar: completed online April 14, 2016]																																															
27 Survey - Cusheon initially. Island wide second edition.	MA5	5/23/16	8/19/16	0%	[Timeline bar: completed]																																															
28 HCTF PCAF funding application writing/support for Stewardship Groups: for shoreline riparian restoration project SML site, together with Cusheon site.	MA5, 6, 9, 12, 13, 16	2/1/16	5/31/16	75%	[Timeline bar: completed]																																															
29 Workshops: March 13/16; potential Jun 19/16 at SML celebration event, Aug 19/Diana Allen; Water Fair 2017	MA6	7/4/16	10/31/16	0%	[Timeline bar: completed]																																															
30 Cowichan Trip Report (Sept 18)		3/1/16	3/31/16	100%	[Timeline bar: completed]																																															
31 EFP Group workshop, - cancelled until justification for need (after conversation with D. Tattam) (SSIAA collaborators)	MA7	6/20/16	6/20/16	0%	[Timeline bar: completed]																																															
32 Signage - CRD	MA8	9/28/15	10/9/15	100%	[Timeline bar: completed]																																															
33 Committee meetings and coordination, event production	MA9	3/1/16	6/30/16	50%	[Timeline bar: completed]																																															
34 Kids for Creeks - liaison, participate in Water Fair	MA10	9/28/15	10/9/15	100%	[Timeline bar: completed]																																															
35 Septic: existing septic brochure education (mail outs, events)	MA11	11/9/15	3/1/16	100%	[Timeline bar: completed]																																															
36 SML Survey - includes septic question	MA11	9/21/15	9/25/15	100%	[Timeline bar: completed]																																															
37 Assist to carry out Shoreline Restoration Cusheon and St Mary (project management and grant writing support for grant holders, CLSC and ISSES if grant successful)	MA5, 6, 9, 12, 13, 16	2/23/16	9/30/16	50%	[Timeline bar: completed]																																															
38 SML Survey - includes septic question	MA11	8/1/16	9/30/16	0%	[Timeline bar: completed]																																															
39 EcoAction Grant application (implement 2017)	MA14, 15	9/1/16	9/1/17	0%	[Timeline bar: completed]																																															
40 keyline workshop: Hatchet nSeed	MA16	6/1/16	10/31/16	0%	[Timeline bar: completed]																																															
41 POLIS Capacity Building Workshop, (minutes posted to steering and webinar follow up)	MA6	3/1/16	3/31/16	100%	[Timeline bar: completed]																																															
42 TWG Reports		8/1/14	5/31/16	87%	[Timeline bar: Final report pending]																																															
43 Algae and phosphorus - D Hodgins		10/1/15	5/31/16	50%	[Timeline bar: completed]																																															
44 Can biomanipulation alter algal blooms...? M Squires final		1/1/16	1/29/16	100%	[Timeline bar: completed]																																															
45 Phosphorus Loading Estimates to SML from Septic Sources - D Hodgins		8/1/14	4/29/16	100%	[Timeline bar: completed]																																															
46 Drought Analysis Report 2015 - D Hodgins		11/30/15	11/30/15	100%	[Timeline bar: completed]																																															
47 Cusheon Lake		9/18/15	1/31/17	32%	[Timeline bar: completed]																																															
48 Review Cusheon Management Plan 2007		11/2/15	4/22/16	100%	[Timeline bar: completed]																																															
49 Identify Data Gaps in 2007 plan		1/1/16	5/31/16	50%	[Timeline bar: completed]																																															
50 Survey pilot for BMPs and education info		11/23/15	5/31/16	25%	[Timeline bar: completed]																																															
51 Creek and lake quality and nutrient monitoring liaison with independent scientists		9/21/15	1/31/17	0%	[Timeline bar: completed]																																															
52 Cusheon public meeting, presentations to SSIWPA		9/18/15	10/23/15	100%	[Timeline bar: completed]																																															
53 Establish Cusheon Public Advisory Committee		11/20/15	4/5/17	25%	[Timeline bar: completed]																																															
54 Other small grants for year two Cusheon dock project (assist CLSC and ISSES)		8/1/16	11/30/16	0%	[Timeline bar: completed]																																															
55 Supply/Conservation		10/26/15	8/19/16	11%	[Timeline bar: completed]																																															
56 TWG problem identification, modelling project draft steps		10/26/15	5/20/16	25%	[Timeline bar: completed]																																															
57 Steering committee expansion for groundwater expertise		11/9/15	5/20/16	0%	[Timeline bar: completed]																																															
58 Integrated Water Management Program development		5/20/16	8/19/16	0%	[Timeline bar: completed]																																															

LEGEND

- CLSC Cusheon Lake Stewardship Committee
- CRD Capital Regional District
- DW Driftwood
- EFP Environmental Farm Plan
- HCTF Habitat Conservation Trust Foundation
- ISSES International Student Support and Educational Services
- IWMP Integrated Watershed Management Plan
- LTC Local Trust Committee
- MONAD North Salt Spring Waterworks District
- NSSWD North Salt Spring Waterworks District
- PCAF Public Conservation Assistance Fund
- POLIS Project on Ecological Governance
- REFBC Real Estate Foundation of BC
- SML St Mary Lake
- SSIWPA Salt Spring Island Watershed Protection Authority
- TWG Technical Working Group
- WQ Water quality

Adopted version February 2016

SSI Watershed Protection Authority Adopted Budget		
Period: April 1, 2016 - March 31, 2017 (as amended February 22, 2016)		
<u>Revenue</u>		
Budget Item	Source	Amount
Coordination	Tax Requisition	110,500.00
SML-Plan	Capital Regional District ¹	20,400.00
SML-Plan	Grants ²	25,800.00
Cusheon	Capital Regional District	5,000.00
	Total Income	161,700.00
<u>Expenses</u>		
Coordination	Coordinator contracts	85,000.00
Coordination	Events and Communications	5,300.00
Coordination	Meetings*	8,000.00
Coordination	Administration Levy	12,000.00
	subtotal	110,300.00
SML-Plan	Stormwater (MA1)	11,900.00
SML-Plan	Septic (MA2)	4,000.00
SML-Plan	Lake chem, sediment	27,000.00
SML-Plan	Education MA 6, 8 ³	5000**
SML-Plan	Riparian/Biodiversity (MA12) ³	8,500.00
	subtotal	51,400.00
Cusheon	Monitoring ³	not assessed
	subtotal	-
	Total Expenses	161,700.00
	Surplus	-

¹ CRD amounts subject to change

^{2,3} Grant funding applications pending

Corrected Budget Draft for Discussion Purposes

SSI Watershed Protection Authority Adopted Budget		
Period: April 1, 2016 - March 31, 2017 (as amended February 22, 2016)		
<u>Revenue</u>		
Budget Item	Source	Amount
Coordination	Tax Requisition	110,500.00
SML-Plan	Capital Regional District ¹	20,400.00
SML-Plan	Grants ^{2,1}	30,800.00
Cusheon	Capital Regional District	5,000.00
	Total Income	166,700.00
<u>Expenses</u>		
Coordination	Coordinator contracts	85,000.00
Coordination	Events and Communications*	8,000.00
Coordination	Meetings*	5,300.00
Coordination	Administration Levy	12,000.00
	subtotal	110,300.00
SML-Plan	Stormwater (MA1)	11,900.00
SML-Plan	Septic (MA2)	4,000.00
SML-Plan	Lake chem, sediment	27,000.00
SML-Plan	Education MA 6, 8 ^{3#}	5,000.00
SML-Plan	Riparian/Biodiversity (MA12) ³	8,500.00
	subtotal	56,400.00
Cusheon	Monitoring ³	not assessed
	subtotal	-
	Total Expenses	166,700.00
	Surplus	-

¹ CRD amounts subject to change

^{2,3} Grant funding applications pending

Correction. Original had these line item amounts reversed. Here, reflect calculations done for original budget.

amended Feb 22 budget had 5,000* under expenses that did not get computed in total.

(!) 2,500 grant funding was unspent in 2015-16 fiscal. Trust Accounting officer confirms it is available. Originally earmarked for TAC Monitoring program.

Item 6.9.1

From: Pat Lapcevic, Steering Committee Member
And Water Protection Section Head
Ministry of Forests, Lands and Natural Resource Operations

Received May 13, 2016

Re: SSIWPA Meeting Action 7.1 April 22, 2016

Hi Shannon,

A short update on FLNRO's funding request:

We have asked for funds from the Ministry of Environment "Groundwater Science Program" to complete an integrated (surface-water and groundwater) water budget for Salt Spring Island. A primary objective of the work is to provide the province (water authorizations) and the community with a tool that supports sustainable allocation of water resources. If we are awarded the funding (decision expected in early June), a detailed scope of work and terms of reference for a consultant study will be developed in conjunction with the SWIPPA TAC. The "Groundwater Science Program" is a new funding source to support the development of knowledge and tools on BC aquifers and the implementation of the Water Sustainability Act.

Pat

Pat Lapcevic
Water Protection Section Head
Resource Management | West Coast Region

250-751-3149

Salt Spring Water Fair & Rainwater Harvesting Tour

2016 Final Report - Prepared by: Shannon Cowan and Suzan Chamney, Co-Organizers



We acknowledge financial contributions and support for the event from the SSI Watershed Protection Authority (Islands Trust), and the Province of British Columbia.

This report is posted on the Water Council website and the SSI Watershed Protection Authority website.



Salt Spring Island
WATER COUNCIL



Introduction

The Second Annual SSI Rainwater Harvesting Tour & Water Fair was held on the weekend of March 12-13, 2016, close to International World Water Day (March 22, 2016).

The purpose of the event was to raise public awareness of the connecting quality of water, and the importance of preserving a reliable water supply, both for drinking and irrigation, and to foster the ethic of water conservation on the island. In response to positive and constructive feedback from participants of last year's inaugural event, the goal this year was to demonstrate and create interactive experiences for community members to learn about the many ways, both small and large, that people can engage with water awareness, especially as water-wise design and lifestyle changes. This year's event was also a celebration of the 30% conservation that was measured within the North Salt Spring Waterworks District alone during the 2015 drought on Salt Spring Island, and a celebration of the many new rainwater-harvesting households who created systems during 2015 with the help of what they learned during the 2015 Rainwater Harvesting Tour.



Water Fair on Salt Spring I., March 13, 2016

2. Rain Harvesting Tour March 12, 2016

Rainwater harvesting is the practice of collecting rainwater for beneficial use. Usually this refers to collection of rainwater from a rooftop and storing it in tanks and cisterns for later use in or near the point of collection. The use of rain barrels is a simple form of rainwater harvesting, although larger storage systems are required to serve most purposes.

In the Gulf Islands, where reliable surface water or groundwater supplies are not always available, several homes and businesses rely on rainwater harvesting as their only source of

water. Rainwater harvesting is emerging as one of many sustainable development strategies to reduce the ecological impacts of development.

On Saturday, March 12, people were invited to take the “Every Drop Counts Rainwater Harvesting Tour” of ten residential properties on Salt Spring Island. Three or four were returning hosts who were also on the 2015 Tour. This was an opportunity for an inside look at how neighbours are harvesting water! A map of the locations was



available for downloading (Appendix A). Guided tours of each system were given by the homeowner.

3. Water Fair Program

3.1 Booths

Information, demonstrations and products were exhibited at a number of booths by the following agencies, organisations and businesses:

- **SSI Water Council**
- **SSI Water Protection Authority**
- **SSI Water Preservation Society**
- **Kids4Creeks**
- **Cusheon Lake Stewardship**
- **Hatchet & Seed (Permaculture Design and Build, Saanich, BC)**
- **Gulf Islands Rain Harvesting & Irrigation (Matt Nowell)**
- **Transition Salt Spring**
- **North Salt Spring Waterworks District**
- **SS Water Co.**
- **Windsor Plywood**
- **Mouat's Home Hardware**
- **Quentin Harris Native Art**

3.2 Do-It-Yourself Demos

12:15 pm: How to Build a Rainwater Barrel by Peter Clarke, Windsor Plywood

Peter has a very passionate and clear teaching style. He successfully gathered approximately 20 people to his demo and together, the group built a simple but functional rainwater barrel.

12:45 pm: Household Items that are Great for Using the Rainwater You Harvested by Sharon Bywater (Self-proclaimed water nerd)

Sharon demonstrated the tools and items that she has used to develop low tech means to save water and to re-purpose household items towards water sustainability. She attracted quite a crowd, and several attendees left comments on the feedback forms applauding her demo.

3.3 Workshops

The workshop schedule and presentation topics are summarized in Appendix B. Invitations to deliver a Water Fair workshop went out in October – January to a range of potential presenters. Some were re-invited because they gave workshops in 2015, others were selected as appropriate presenters for novel water-related topics in 2016. The invitees arranged a schedule with the help of volunteer Maggie Squires who was the workshop facilitator.

The workshops were held in a classroom upstairs at the venue, and there was plentiful seating and adequate projection capability in the space (GISS Room N205). Tayler Krawczyk of Hatchet n’ Seed gave the first talk outlining mechanisms to sculpt land, gardens or farms in order to better manage water resources when they are plentiful using permaculture principles. Matt Nowell of Gulf Islands Rain Harvesting and Irrigation shared ways to calculate appropriate rainwater storage volumes and how to design and operate systems to fit volumetric needs.

After lunch break, Maggie Squires, the workshop facilitator made a presentation about the Pacific Institute for Climate Solutions (University of Victoria) – an online resource for better understanding local and regional changes predicted by leading science on the topic; and she highlighted relevant water and climate messaging from local gardening-master Linda Gilkeson’s new book. Meghan McKee, Water Quality Specialist of North Salt Spring Waterworks District gave a compelling report about the impacts of the 2015 drought and recommended guidelines from the community water utility to conserve and manage the resource in 2016 and beyond. Switching it up from ‘fresh’ to ‘salt’, David Denning shared about new research to detect anoxic marine conditions in Ganges Harbour and invited the public to join in the investigation and monitoring to prevent large-scale marine organism die-offs like some that have recently occurred in this area. As the crowd floated into its final workshop of the day, most bodies remained in chairs and the room filled up to welcome Quwutsu’un First Nations Elder Ron George (Tousilum), who shared his skill with the drum, and cradled the



listeners in his heartfelt personal journey with Water as a spiritual entity and a life-giving relation. Tousilum described the poignant and reverent place that Water holds within the Quwutsu’un worldview, to an audience rapt with attention.

3.4 KidZone

In order to engage children, a number of water related activities were set up in two classrooms simultaneously as the KidZone (schedule in Appendix B). Highlights:

- Poetry/Art wall on which children could freely express about water and nature and face-painting by the Fastpitch team volunteers were fun, and free-form elements of the Fair.
- Colouring tables with water-themed activity book pages, reprinted with permission, and with crossword and colour pages from [Capital Regional District Ollie the Otter Watershed Stewardship Program](#), reprinted with permission.
- Elizabeth Buchanan (local author) performed an interactive water-themed story with the children.
- Water Safety games with the [Rainbow Road Pool](#) staff
- [Quentin Harris](#), a local native artist, taught animal drawing to the children in two interactive storytelling sessions. These were well attended!
- [Shaun Luttin](#) captured the magic of the event in his conjuring performance. To his amazement, the children were so engaged in proving it was 'real' and not 'magic' that they had to be peeled off his body during his finale!!
- 'River of Sound' art installation, created by [Robi Smith](#) was enjoyed by many who floated between the KidZone areas. It was an interactive water instrument station.

3.5 Food

Sustainable, local lunch bites were sold to patrons by Hips and Haws, and complimentary coffee, tea and water were provided thanks to community donations by Salt Spring Coffee, and Salt Spring Water Co. The menu is attached in Appendix B.

4. Participation

More than 50 participants took part in the Rainwater Harvesting Tour and more than 200 people attended the Water Fair. The workshops were popular with approximately 40 people at each session.

Positive comments were received from many participants and suggestions received for next year's Fair. Responses are shared here in the Comments Summary (Appendix C).

5. Publicity and Media Coverage

The weekend event was advertised on posters, websites (including Facebook and the Salt Spring Exchange), notices and articles in the Gulf Islands Driftwood and Island Tides. See Appendix D. Notices were also sent to email lists of local organizations, including school newsletters.

6. Feedback and Future Recommended Improvements

6.1 Overall Event

The event is a success as measured by feedback for those who attended. However, given the volunteer hours and the total expenses, event coordinators Suzan Chamney and Shannon Cowan recommend that the Water Fair seek to combine with another pre-existing event that draws larger crowds. The ideal annual event to partner with is Seedy Saturday in February for many reasons, although the venue for that event is not suitable to host both events together. Discussion is underway between event organizers to determine feasibility. In addition, the timing of Water Fair was designed to align with World Water Day March 22, but the more appropriate timing for design and installation of rain harvesting systems and other water-wise landscaping is autumn or late summer, in time for winter rainy seasons. This is being taken into account and organizers are scoping local events in autumn to see what might be feasible. Ideally, a new option(s) will be brought to SSIWPA for consideration by August 2016 for the next annual Water Fair and Rain Harvesting Tour.

6.2 Rain Harvesting Tour

All types of systems and tour hosts portrayed the diversity of “what works” when catching and filtering and using rainwater. The majority of attendees did not go to all locations, so it was great to have so many to choose from. The format seemed to work well and we recommend a repeat next year. The amount of volunteer time spent organizing this tour seems well worth it considering how many new tour locations appeared with one year old systems after the 2015 tour, and also given the increase in uptake of rain harvesting rebates after the Fair weekend 2016.

6.3 Booths

The content of booths was appropriate; there could be even more booths next year. In 2016, fewer booths resulted, even though booths are only paid for by commercial vendors and educational booths are also available. The floor plan worked better at this venue for longer, quieter conversations and ease of demonstrations and more space to set up. Set up happened just in time for doors at 11am, so in future perhaps starting the booth setup at 8am instead of 9am might be wise.

It would be helpful to get new booths each year, by cultivating relationships with local and off-island businesses and not-for-profit groups. Inviting off-island organizations that are about

water and watersheds, e.g. Freshwater Fishing groups, Cowichan Lake and River Stewardship Society, First Nations etc.

The hands-on demos were easy and well-attended because they happened indoors in the main booth tradeshow arena, and having more of these is recommended. Kids for creeks booth was a huge hit.

6.4 Volunteers

Volunteerism is essential for this event to go forward, and the organizers are very grateful for the returning volunteers and a few new volunteers, especially Greeters. The assistance during setup was volunteered by students from the High School who received donations for their contributions. Similarly, the KidZone volunteers were a sports team and the event organizers were pleased to donate to their team for team-related expenses in exchange for their volunteer leadership and assistance with KidZone performers and child engagement. Greeters were beneficial to help visitors get oriented, and the event would not function without them.

6.5 Entertainment and KidZone

At the last minute, the emcee Nomi Lyonns was not able to attend. SSIWPA Coordinator, Shannon Cowan, delivered the short and sweet announcements. This was effective at the sound system (rented from Film Festival Society), in the GISS multipurpose space but if there had been twice as many attendees, it would not have been loud enough. A better “chime” is also needed next year to catch attention for announcements. If this space is used again, it would be ideal to use the screen mounted in the space to televise announcements visually.

Instead of dance and song, there was a Water Yoga class offered this year by Lyndsay Savage. IT was advertised in advance, but still not well attended (4). Perhaps it would be better to advertise water yoga in the week leading up to the event at regular yoga classes around the island if teachers are willing to participate, which would also help get the word spread about the event?

The interactive art installation ‘River of Sound’ was a huge draw, and could be improved by having more of a “story” behind it. Or, some other artistic additions to the display, such as paintings, 3D scenery for a river, river animals, plants and insects, etc. Inviting a local artist next year with a bit more direction could make this element even more memorable.

Elizabeth Buchanan (a local author, storyteller, and educator) was a great success once again, and new additions Quentin Harris, Rainbow Pool Staff, Shaun Luttin, and the River of Sound by Robi Smith were all fun, suitable to the audience, informative and well-received. Kate Romain was planned but had to cancel last minute due to a family emergency, so she agreed to come next year instead. (refer to Appendix B)

Organizers had envisioned a blessing and welcome ceremony by a First Nations person, and although Shannon acknowledged the Coast Salish Peoples and their Territories at the start of the day, it could be improved upon with something more meaningful from a local or neighbouring FN representative, perhaps.

6.6 Food

Complimentary beverages were well received. There was enough coffee, but it would have run out if the attendance had been higher. The food was excellent and continuing with Hips and Haws is recommended for future years, unless the event pairs with an event that already sports food vendors.

6.7 Workshops

Workshops had great turnouts. It became apparent that more time needed to be given to the final speaker to allow for the cultural water-related lessons to fill the dry spaces in the audience, and suggested that those interested join the experiential learning opportunities through the Xwaaqw'um Project in Burgoyne Bay (second Tuesday every month beginning May 10 for the season, contact xwaaqwum@gmail.com).

Workshop topic suggestions for next year that were not fulfilled this year, but recommended in 2015 include: septic field maintenance; government, not-for-profit, NGOs implementing water conservation programs; hydrology of SML.

Showing an educational/documentary film or two about water could be a nice addition to the event, especially if it occurs in autumn so as not to conflict with the Film Festival.

6.8 Facility

Gulf Islands Secondary was ideal for this event, especially to allow for quiet workshops and KidZone areas that were near to the main area, but soundproofed from it. Other possible venues on Salt Spring include: Community Gospel Chapel, Farmer's Institute (not ideal), Fulford Hall (with the workshops in the Seniors Annex), but the GISS is ideal, even for a paired event. If necessary, the gymnasium or cafeteria could also be rented.

7. Budget

2016 SSE Water Fair Income Statement

Revenue

Islands Trust: SSIWPA Events	\$2,900.00
SSI Water Council Grant Revenue	\$1,898.00
Islands Trust: SSIWPA Coordinator Contract	\$5,600.00
Booth Income	\$300.00
Public Donations	\$60.00
Country Grocer Donations	\$200.00
Windsor Plywood Donations	\$200.00
SS Coffee donation	\$75.00
Total Revenue	\$10,958.00

Expenses

Publicity	\$1,753.26
Insurance, Venue and Equipment Rental	\$1,199.79
Coordination paid by SSIWPA	\$4,340.00
Coordination paid by Water Council	\$882.00
Out of pocket expenses (supplies, volunteer food, etc.)	\$1,641.00
Total Expenses	\$9,816.05

Revenue - Expenses \$1,142

Volunteer Hours: ~ 200 hours.

Not accounted for in the budget is the volunteer time spent on this event.

We extend deep appreciation to all who volunteered.

8. Conclusions

As the second annual, this event achieved its objectives of connecting water to community, and providing a forum for learning about water conservation and water-related local issues and solutions. It received a positive response from those who attended.

Getting more attendance for the costs involved is the main improvement area for next year's event (~ 250-300 participants in the weekend in total in a population of 10,000). It seems that the messages and opportunities of this event, at this scale need a larger audience to make the event sustainable into the future, and to achieve measurable results in a population of this size.

Appendix A - 2 pages

Every Drop Counts Rainwater Harvesting Tour

Tour rainwater collection systems from the north end to the south end, small to large, simple to high tech.
See page 2 for details on each stop.

2016



FREE EVENT

Saturday, March 12

Noon - 4:00 PM

Tours start every half hour, first one at noon, last one at 3:30 pm.



WATER FAIR 2016

Sunday, March 13

11 am - 3 pm

at Gulf Islands Secondary (GISS)

**RETAIL & COMMUNITY BOOTHS,
WORKSHOPS, DIY DEMOS,
ENTERTAINMENT and FOOD**

Visit our website for details



This is a self guided tour on March 12, 2016

You may visit any or all of these homes in any order. Homeowners have agreed to offer guided tours of their rainwater harvesting systems on the hour and half hour starting at noon. If you arrive between tour times feel free to join a tour in progress or wait for the next tour.

Please note: This is an outdoor tour only. Please respect your hosts' property.

	Your Hosts:	How long:	Capacity:	Used for:	Other water:	Roof type:
1	Jon 654 Vesuvius Bay Rd	13 years	40,000 litres / 9,000 gal.	Irrigation	North SS Water District	Metal
	Use the second gate, past the sign. The gate will be open and there is room to park inside the gate or on the boulevard between the main gate (with the sign) and the second gate.					
2	John 1374 North Beach Rd	18 years	32,000 litres / 7,000 gal.	Irrigation and all indoor uses except drinking	Bottled water	Asphalt shingles
	Parking on North Beach is not recommended. There is room for three or four cars in the driveway.					
3	Lawrence 171 Fernwood Road	Brand new	4,700 litres / 1,250 gal.	Irrigation	Highland Fernwood	Metal
	Parking is limited, park on road or across the street at Fernwood School.					
4	Ross 206 Fernwood Road	several years	40,00 litres / 9,000 gal. Text	Irrigation and many indoor uses	Highland Fernwood	Metal
	Park on the street.					
5	Monika 285 Fernwood Road	1 year	13,600 litres / 3,000 gal.	Irrigation	Highland Fernwood	Torch on Roofing
	Park on the school side of Fernwood Road a little up from the crest of the hill to avoid accidents.					
6	Sharon & Gary 308 Maliview Drive	11 years	2,300 litres / 500 gal.	Irrigation and chores	Highland Fernwood	Metal
	Park on Maliview, Walker Hook or Fer de Lance.					
7	Pat 277 Maliview Drive	1 year	1,100 litres / 300 gal.	Irrigation and chores	Highland Fernwood	Metal & cedar
	Park on Maliview or Fer de Lance (just below property).					
8	Jane 122 Mansell Road	21 years	227,300 litres / 50,000 gal.	Irrigation & greenhouse	Cedar Lane Water District	Double poly & asphalt
	Limited parking, park on the road.					
9	Dan & Shirley 243 Park Drive	½ year	4,200 litres / 1,100 gal.	Irrigation	North SS Water District	Asphalt shingles
	Park on street, address is clearly marked.					
10	Stefan & Tracy Ruby Alton Reserve 661 Isabella Point Rd	11 years	27,200 litres / 6,000 gal.	All household uses	No well, no piped water	Asphalt shingles

Appendix B six pages

KidZone 1

Room: S104B

11:05 am – 1:45 pm

2:10 – 3:00 pm

Magic Tricks with Shaun Luttin

Face Painting

Water Activity Sheets

Games and Free Play

Please ensure that children under 7 years old are accompanied by a parent or guardian.

*If your child is age 7 or older, they may participate in the programs in this room without a parent or guardian, although the Water Fair organizers, Water Council and SSIWPA are not liable for any childcare.

KidZone 1 is a drop in space. Please note that supervisors will not be keeping track of children moving in and out of the space.

KidZone 2

Room: S113

11:05 am – 11:35 am	Story Time with Elizabeth Buchanan
11:40 am – 12:10 pm	Drawing Water Animals with Quentin Harris for ages 7 and under
12:15 – 12:45 pm	Fun with Rainbow Road Pool Staff
12:50 – 1:45 pm	Sing-along with Kate Romain
2:10 – 3:00 pm	Drawing Water Animals with Quentin Harris for ages 7 and older

Please ensure that children under 7 years are accompanied by a parent or guardian.

*If your child is age 7 or older, they may participate in the programs in this room without a parent or guardian, although the Water Fair organizers, Water Council and SSIWPA are not liable for any childcare.

KidZone 2 activities will begin on time, the door will close, and late-arrivals will only be admitted with permission from the leader.

MENU ITEMS

	PRICE	GLUTEN FREE	VEGAN
Organic Ginger-Apple Cider	\$2.00	X	
Organic Coconut Masala Chai	\$2.00		
Spring Vegetable Rice Wraps w/ Ginger-Mango Sauce	\$5.00	X	
Organic Flatbread Sandwich w/ Pickled Beets, Moonstruck Feta, Tomato Jam & Mustard Greens	\$6.00		
Hand Pies w/ Root Vegetables, Onion Jam & Salt Spring Goat Cheese	\$4.00		
Organic Shallot, Apple & Cheddar Rolls	\$4.00		
Organic Chocolate Espresso Tart	\$2.50	X	
Orange-Almond Muffins	\$3.00	X	
Organic Beetroot Brownies	\$3.00		
Pear Almond Tart	\$3.00	X	
Organic Cinnamon Cookies	\$1.00	X	
Organic Sunnyside Cookies	\$0.50		
Organic Chewy Seedy Oat Bars	\$3.00		X
Organic Lemony Apple Cake	\$3.50		

MORNING WORKSHOPS

WATER MANAGEMENT: Practical Matters
in Room N205 (upstairs)

11:15 am Holistic Water Management: Working with Contours

Tayler Krawczyk from *Hatchet and Seed* describes tools you can use to transition from winter water abundance to summer water scarcity. With Tayler, 'follow farm slopes' and discover strategies to 'slow, sink, spread, and store' winter's abundant rainfall. Tayler's bucket-full of strategies to sustain water availability through the dry summer period include everything from conservation and bio-swales to keyline cultivation and pond construction.

11:45 am Rainwater Harvest and Irrigation Systems

Matt Nowell of *Gulf Islands Irrigation* will share with us how to keep gardens growing in the absence of rainfall using passive and active rainwater harvest to move water from rooftops to gardens. Learn the basic strategies for capturing, filtering, storing and re-using rainwater to meet your irrigation needs.

AFTERNOON WORKSHOPS

WATER MANAGEMENT: Research Matters
in Room N205 (upstairs)

- 1:00 pm Introduction to PICS 'Tools for Climate Change Education' & Resilient Gardens 2016 by L. Gilkeson**
Workshop organizer and host **Maggie Squires** will introduce you to the 'Climate Change' educational tools that are available at no charge on the Pacific Institute for Climate Solutions website. Next, we'll briefly peruse Linda Gilkeson's new book *Resilient Gardens 2016: Climate Change, Stress Disorders, Pest Update*.
- 1:15 pm Water Supply & Drought**
Meghan McKee of *North Salt Spring Water District* brings you detailed information about the general challenges of managing SSI's surface water supplies and the particular demands of managing water supply during periods of drought. Hear about the impacts on water supply of the 2015 drought, and how lessons and insights from the unusually long dry period in 2015 will feed forward into planning for conservation and drought management in 2016 and beyond.
- 1:45 pm Ocean Research: Dead Zone in Ganges Harbour?**
David Denning brings news about exciting new research aimed at detecting anoxic events (loss of oxygen) in Ganges Harbour and at identifying 'dead-zone' causes and impacts. After observing an anoxic event in our Harbour, David became determined to organize volunteers to watch for its reoccurrence, and to understand the conditions that signal another die-off of living organisms due to oxygen-depletion. In spring 2016, this new research project is underway! Come and hear all about it.
- 2:15 pm What Water Means to the Quwutsu'un First Nation**
Quwutsu'un (Cowichan) **Elder Ron George (Tousilum)** has served as a member of the Quwutsu'un community (Cowichan, Hul'quimi'num) for several decades and enjoys sharing cultural traditional knowledge in the form of storytelling and other learning. Elder Ron will speak about traditional values and beliefs associated with water, and describe recent observations that link logging with changes in Quwutsu'un territory water resources. Quwutsu'un traditional territories encompass portions of several of the Gulf Islands, including Salt Spring Island, and Vancouver Island. Children welcome.

DO IT YOURSELF DEMOS

in the Multipurpose Room

12:15 pm How to Build a Rainwater Barrel

Join Peter Clark at the *Windsor Plywood* booth to acquire the 'know-how' to build a simple but functional rainwater barrel. This is a tool you can put to use!

12:45 pm Household Items that are Great for Using the Rainwater You Harvested

Join self-proclaimed water nerd Sharon Bywater at the *Home Hardware* booth for suggestions on low tech ways to use rainwater/greywater in the garden or for chores using household and re-purposed items.

YOGA

in the Dance Studio

11:30 am Join Lyndsay Savage for an hour of yoga in the Dance Studio. Emphasis on fluid movements, and practising with least effort. This is a mixed level class, some prior experience with Yoga is desired.

Appendix C Feedback

2 pages

SSI Water Fair Comment Form

	not informative	OK	Informative	Very	Exceptional	
How informative did you find this event?		2	6	22	3	
	Strongly Disagree	Disagree	Neutral	Agree	Strongly agree	Not applicable
The Fair met my expectations for a range of learning experiences:			4	18	10	1
the Workshop content and presenters were suited to this event:			2	14	11	6
the retail and educational booths were suited to this event. I learned something:		1	3	18	11	
the performances and kids area met my expectations:			7	5	6	15
	SSI Exchange	Email	Driftwood	Friend	Other	
Where did you hear about this event?	17	9	13	10		

What did you like about the event?

workshops

informative workshops & useful displays. Helpful practical tips from Peter & Sharon

workshops & booths all great

neighbours, community, good information

vendor exhibits

Windsor booth, Ron George

demos

very informative

casual

lots of info, also fo?? Commercial

hands-on information at the Windsor booth

Peter Clarke & Sharon B

nice mix of retail & info. 2) food & beverage & sit area

planning to harvest

rain barrel info

workshops

keyline plow workshop. Hips & Haws treats

information

practical workshops

demos, workshops

the quality of the presenters, very knowledgeable

friendly faces

the presenters were very enthusiastic

the kids watershed model took the prize

I think the kids watershed model and demo was superb, as was David Denning's speech

people passionate about water conservation

lots of interesting displays

new information about water connection systems

Name one area of improvement for future events:

need more time in workshops-too rushed at times

more contractors, more info from other relevant BC resi???

more vendor exhibits

demos (mike)

off-grid pumping (solar) would be useful

Workshops should be timed with a 15 min interval; workshop times should not overlap

workshops could be in rooms on the main floor?

better advertising of event & workshops 2) sales discounts for retail purchase at event

better advertising

signs at road

longer & more indepth workshops. More vendors of suitable products

longer workshops

perhaps a 5 minute leverage between workshops

keep stressing importance of monitoring water and how water drought are tied into climate change.

some sort of contest? Water trivia or SSI statistics? More interactive stuff so people can test their water knowledge/conservation competence

hard to improve upon

OTHER:

Thank you for organizing this!

thank you

had a great time

given the small turnout there is no point to this event. Far better to do something at the Fall Fair

keep up the good work

wonderful event, please hold annually

keep it going -- the more education the better. Global changes can't be ignored

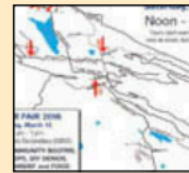
you do good work. I appreciate the effort to raise awareness & educate. Could there be more easily accessible info for summer tourists? Some visit

Appendix D

Publicity Materials

Saturday, March 12

'Every Drop Counts' Rainwater Harvesting Home Tour—a self-guided event; map at: www.ssiwatercouncil.ca, follow links to RWH Tour download • Noon–4pm • **SALT SPRING**



Sunday, March 13

Water Fair 2016: 'Celebrating Community Connected by Water!'—Hands-on demos; workshops; Kidzone art, music, and drama; trade show booths • Gulf Islands Secondary School • 11am–3pm • Info: www.ssiwatercouncil.ca/fair • **SALT SPRING**



purchased outside the CEV Program, BC now has over 3,300 battery electric and plug-in hybrid electric vehicles registered in the province.

In addition to offering purchase incentives,

in keeping with Canadian promises made at the Paris Climate summit.'

'For a decade, the previous federal government sabotaged work on Canada's greenhouse gas emissions (GHG) targets, and



Salt Spring Island
WATER FAIR **2016**

Community Connected by Water!

RETAIL AND COMMUNITY BOOTHS
DYI DEMOS COWICHAN ELDER
WORKSHOPS ENTERTAINMENT FOOD
RAINWATER HARVESTING TOUR (March 12)

FREE Family Event

Sunday
March 13, 2016
11:00 AM - 3:00 PM
at: Gulf Islands Secondary School

www.ssiwatercouncil.ca | www.ssiwatersheds.ca

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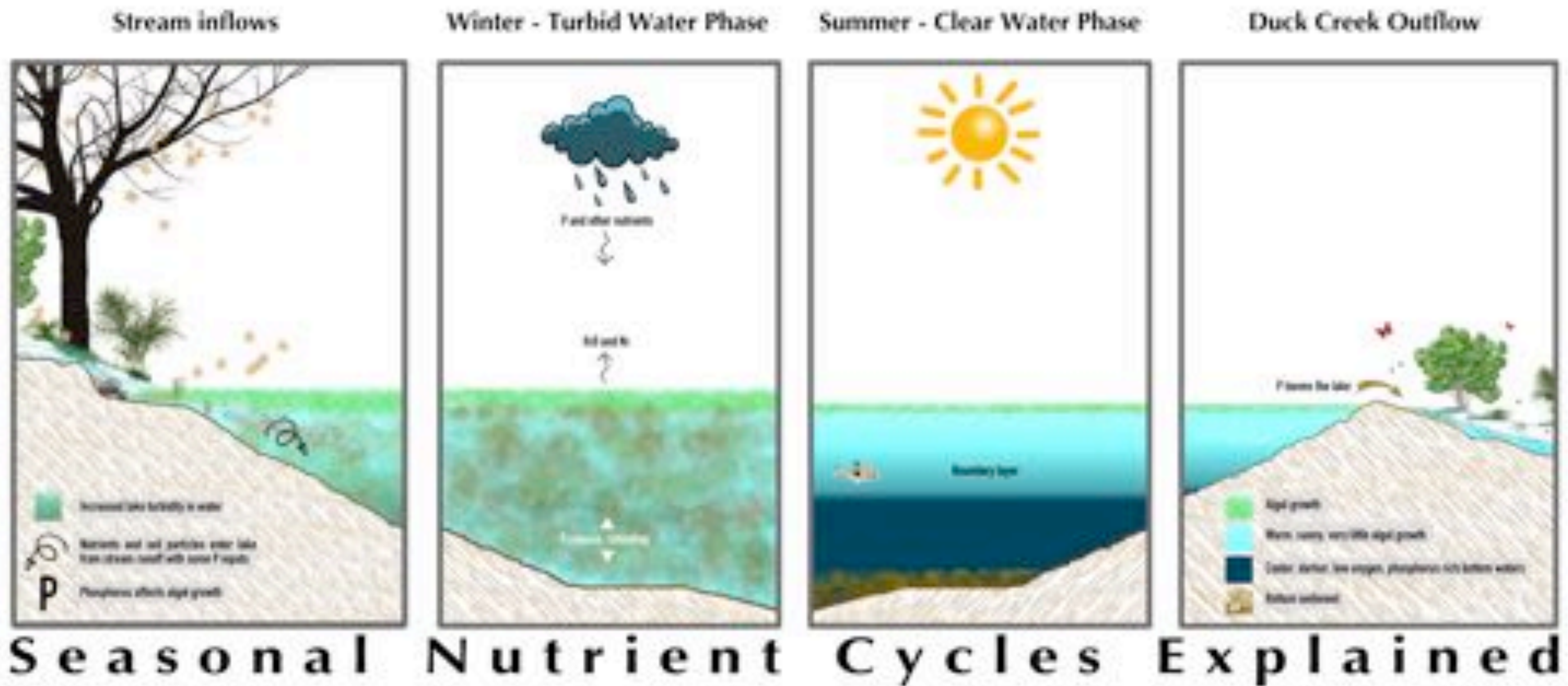
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St. Mary Lake "Tle Tlem Xaat'sa"

The largest freshwater lake in the Gulf Islands

The lake and its surrounding watershed landscape are connected: they act as a living sponge to filter, collect, store and recycle water and nutrients. It is home to a diverse abundance of plants, animals and microscopic life.

Historically, this watershed is a special place, revered by indigenous and colonial cultures alike. Today, it is the source of drinking water for many islanders and visitors, and a delicate ecosystem that deserves our respect and protection.



✓ Good Practice Guide

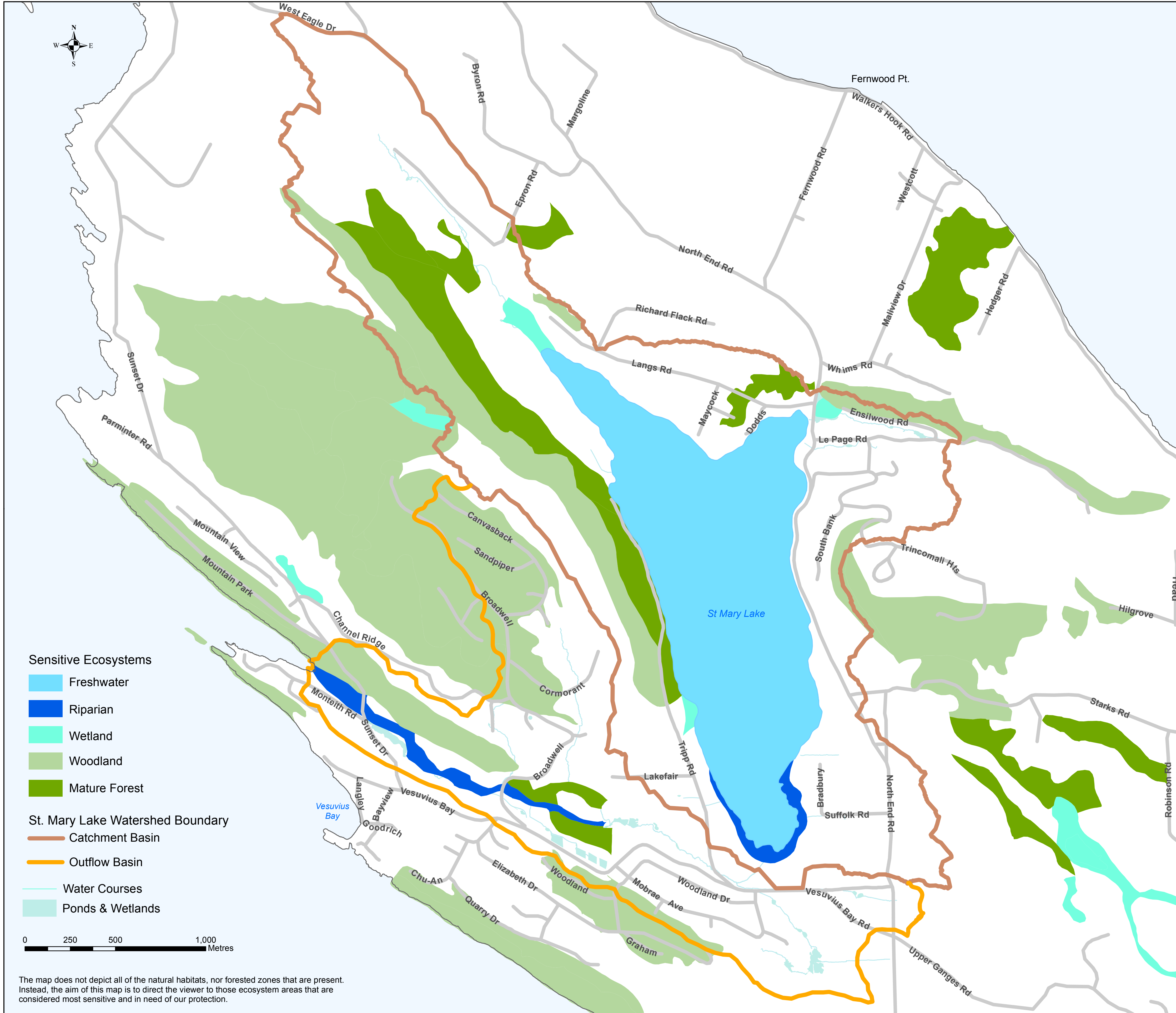
Visitors:



Homeowners:

- Use lawnmower for outdoor use only
- Minimize use of fertilizers, pesticides and herbicides in riparian zones (10-20m near to the shoreline)
- Respect laws to keep dogs away from shore
- Fall and snow into ditches and streams
- Conduct regular septic system inspections and maintenance





Sensitive Ecosystems

- Freshwater
- Riparian
- Wetland
- Woodland
- Mature Forest

St. Mary Lake Watershed Boundary

- Catchment Basin
- Outflow Basin
- Water Courses
- Ponds & Wetlands

The map does not depict all of the natural habitats, nor forested zones that are present. Instead, the aim of this map is to direct the viewer to those ecosystem areas that are considered most sensitive and in need of our protection.

Sensitive Ecosystem Definitions

Riparian: Areas adjacent to water bodies, which are influenced by factors such as erosion, sedimentation, flooding and/or subterranean irrigation. This zone on the southern edge of St. Mary Lake is a partly treed low bench floodplain that is dominated by black cottonwood, willow and grasses.

Wetland: Areas saturated with water for long periods of time, which develop vegetation suited to saturated soils that contain little oxygen. They are sensitive, and specialized, exhibiting high biodiversity and rare habitats. In the northeastern corner of St. Mary Lake, the wetland is dominated by a western red cedar and slough sedge community. In the northwestern corner of the lake, the wetland is dominated by a 70% western red cedar, red alder, skunk cabbage and 30% spirea-Sitka sedge community.

Woodland: Dry, open forests with 10-30% tree cover, shallow soils and rocky outcroppings. Rare and fragmented, these zones support high plant species diversity, which supports high diversity of insects, reptiles and birds. It is important to protect them from development. This zone to the west of the lake is dominated by Douglas fir – shore pine / grand fir with some arbutus and Oregon grape.

Mature Forest: Similar to the woodland class, mature forests are treed at a stage between young forest and old forest (ie. old growth). These zones on the map are generally dominated by western red cedar, and grand fir - foamflower communities.

What can be done to protect sensitive ecosystems?

- Maintain water quality
- Retain or create native vegetated buffers around them, to isolate them from disturbances
- Control land and water access
- Control invasive species
- If development must occur, conduct an ecological inventory and avoid disturbance to the sensitive ecosystem features of the site.

Acknowledgements:

Sensitive Ecosystem Mapping is derived from the Salt Spring Island Terrestrial Ecosystem Mapping (Madrone Environmental Services Ltd., 2008) done at a scale of 1:20,000, based on 2005 aerial photography. Minimum polygon size is limited to ½ ha and the average polygon size is 10.8 ha.

Water courses were mapped by P. Grange and K. Reimer.

More detailed sensitive ecosystem information can be found at the Islands Trust website, under the link to "Trust Area Mapping": <http://www.islandstrust.bc.ca/maps/trust-area-mapping/ecosystem-mapping>

Memo to SSIWPA Technical Working Group
From
SSIWPA Coordinator
April 27 2016

Re: Request for support in the Cusheon Lake report by Doreen Hewitt to SSIWPA Steering Committee on March 18 2016, regarding Blackburn Landfill site monitoring

Update:

On April 27, 2016, Coordinator Cowan spoke on the phone with Anke Bergner, CRD Environmental Resource Management. She learned that the CRD is not responsible for any monitoring or inspection of the old capped landfill site adjacent to the waste transfer station.

Monitoring of soil at the capped landfill (not leachate, not water or local surface waterways) was conducted by the Ministry of Environment in 2000, and Steering Committee member Hewitt has shared reports from that monitoring event (see files on TWG working folder on SSIWPA website, please).

The waste transfer station inspections that CRD conducts are visual inspections, and never involve soil or water or air sampling.

On behalf of SSIWPA, a freedom of information request has been sent to CRD Environmental Resource Management Department for receipt of the two most recent Site Inspection forms that CRD has on file for the Blackburn Waste Transfer Station.

From: Coordinator Cowan
Sent May 4, 2016-05-11
To: Travis Tormala,

Hello Travis,

cc: [SSI Watershed Protection Authority](#) Chair George Grams (SSIWPA)

Thank you for your support and participation in the recent grant proposal for riparian shoreline restoration at two drinking water lakes on Salt Spring where MoTI has a License of Occupation agreement with CRD.

I have been involved with writing that particular grant, assisting two of the local stewardship groups on Salt Spring Island, at the direction of SSIWPA and as an action item from the Integrated Watershed Management Plan 2015 for St. Mary Lake.

In a separate item:

SSI Watershed Protection Authority Steering Committee discussed the Blackburn Road ditching concern coming from the Cusheon Lake Stewardship Committee last month. As a result of that discussion, the Steering Committee would like to invite you to the upcoming meeting.

Please be invited to attend as observer (and/or as invited guest on the topic of ditching of Blackburn Road specifically, if you wish) at the upcoming meeting of the Salt Spring Island Watershed Protection Authority Steering Committee:

Date: Friday May 20, 2016, 10:30 am - 12:30 pm.

Location: 145 Vesuvius Bay Road in the Capital Regional District portable at Portlock Park.

If you cannot attend in person but wish to attend via videoconferencing from your computer (with speakers or audio-only headset; and built in microphone), please let me know and I'll send the agenda and video conference instructions May 13 or thereabouts.

Thank you!