



Islands Trust

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

Date of Meeting: Friday April 22, 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 March 18, 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(1)a *for the receipt of personal information about identifiable individuals who are being considered for positions being appointed by the Authority.*

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

6.6 Cusheon Watershed Management Plan Review

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

6.7 Updated SSIWPA Workplan – *provided by Tuesday in folder under “Steering Committee Agendas” > “Meeting Documents April 22 2016” at the website here: <http://library.ssiwatersheds.ca>.*

6.8 Habitat Conservation Trust Foundation “Public Conservation Assistance Fund”

6.8.1 “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 – (Doreen Hewitt on behalf of CLSC) See website here for this updated document by Tuesday: *provided in folder under “Steering Committee Agendas” > “Meeting Documents April 22 2016” at the website here: <http://library.ssiwatersheds.ca>.*

6.9 St. Mary Lake Sign – Final DRAFT – *provided in folder under “Steering Committee Agendas” > “Meeting Documents April 22 2016” at the website here: <http://library.ssiwatersheds.ca>.*

6.10 Correspondence

6.10.1 Letter sent by SSIWPA Coordinator to CRD Resource Management Department re: Blackburn decommissioned landfill and waste transfer station site monitoring reports. (no reply as of time of agenda creation) - *attached for information*

7. OTHER BUSINESS

7.1 Questions and Comments from Public

8. NEXT MEETING of the Steering Committee

Friday May 20, 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, March 18, 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
Pat Lapcevic, Ministry of Forests, Lands and Natural Resources (via telephone conferencing)
Wayne McIntyre, Capital Regional District (CRD) Director
Jeff Thompson, North Salt Spring Waterworks District (NSSWD) Trustee

Staff Present: Stefan Cermak, Regional Planning Manager (RPM)
Sarah Shugar, Recorder

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

Media and Others Present: 2 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

The following additional items were presented for consideration:

Item 6	Rise and Report
Item 7.9.2	St. Mary Lake Sign
Item 7.10.2	Technical Working Group New Member Announcement

By general consent, the agenda was adopted as amended.

3. MINUTES

3.1 Draft Minutes of the February 19, 2016 Salt Spring Island Watershed Protection Authority Regular Meeting

By general consent, the Salt Spring Island Watershed Protection Authority agreed that the Minutes of February 19, 2016 be amended by: adding “US Dollars” following “\$119.40 and \$14.95” in item 7.1; replacing “as alternate Trustee with “as alternate Committee Member” in item 7.1; deleting “level” following “St. Mary Lake” in item 7.2; and replacing “tquality” with “quality” in item 7.7 and that the minutes be adopted, as amended.

4. CLOSED MEETING RESOLUTION

At 10:33 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 10:36 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

The Salt Spring Island Watershed Protection Authority agreed to appoint Susan Fussell to the Cusheon Watershed Public Advisory Committee.

7. BUSINESS ITEMS

7.1 Chair's Report

Chair Grams reported that he met with North Salt Spring Waterworks District regarding the Opus Dayton Knight Water Conservation and Demand Management Plan draft report and that the Saturna Island Local Trust Committee and North Pender Island Local Trust Committee have added water conservation to their top priority lists. He has been working with the Coordinator on the development of signage for St. Mary Lake and attended the 2016 Water Fair.

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

Jeff Thompson reported the level of St. Mary Lake is above the weir height and overflowing; lake turbidity is low due to high levels of runoff into the lake from heavy rainfall and continued monitoring of algal abundance. He noted the “A Guide to St. Mary Lake: Use, Misuse & Disuse of Artificial Aeration, What is Normal for SML, and Recommendations for Future Research” report by Maggie Squires.

By general consent, the Salt Spring Island Watershed Protection Authority agreed to add a link to the “A Guide to St. Mary Lake: Use, Misuse & Disuse of Artificial Aeration, What is Normal for SML, and Recommendations for Future

Research" report by Maggie Squires on the website.

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 3.4 metres on Jan. 18, 2.7 metres on March 6, 1.35 metres on March 14 (lake is turbid), 1.9 metres on March 16 (this is a better but not as good as earlier in the year.) The measurement historically is not usually this low unless there is a flood. During the flood, on Jan. 25, 2005 the secchi disk measurement was .74 M but on April 10 2005, it was up to 2.75 metres.
- The corrected Lake gauge measurement 1.406 metres on Jan. 18, 1.358 metres on Mar. 06, 1.386 metres on Mar. 14. The lake is flushing well but the colour is a very brownish green. This information was passed on to Jennifer Blaney at the CRD. It was reported to me on Mar.16 by Kristi Wilson that NSSWW staff took a field turbidity measurement on Cusheon Lake, Mar.15 and reported turbidity in the raw water was 4.7 NTU (definitely higher than in the last two months - January: 1.16 NTU & February: 1.34 NTU) (CDWS=1) but that the plant wasn't having any operational issues with the raw water. An algae sample came in on Mar.16 and our Aquatic Ecologist looked at it. She said there was almost no algal presence in the water. It appears that it was likely silt and sediment from the storm on the weekend that caused the turbidity spike. Raw water colour value exceeded the (CDWS) limit of 15 in both Jan (25) and Feb (22).
- There is an ongoing concern about the old landfill site located on Blackburn road. There are monitoring wells but no results have been given since 2001. During the past 15 years, old equipment and items may have deteriorated and could be leaching contaminants that pose a threat to water quality. The CLSC is planning to write a letter to the ministers and members of the Federal and provincial government as they feel this situation is a threat to our drinking water. This was an action objective under the 2007 Cusheon Watershed Management Plan and the committee feels they have waited long enough to see some results. So they are planning this letter and wanted me to ask for the endorsement of the SSIWPA SC or assistance in this matter. They do not feel that covering the landfill site with only 60 cm (about 2 feet) of soil is adequate especially since the wells have not been monitored.
- Restoration work is needed on Blackburn Creek and at the public dock area to prevent erosion. Is there any money set aside for this type of activity? The plants cost money but I have the people willing to work. What kind of permits would be required? Blackburn Creek actually has made a new braided stream about 1/3 from the lake. There is much erosion taking place.
- "Corrected" Measurement is calculated by taking the measurement from the lake gauge stick near Cusheon Lake Resort and subtracting .134 m. This gives the corrected measurement. Polaris surveyed the gauge stick in the fall of 2015 as the recorded measurements did not correspondent directly with the historical data from Water Survey Canada.

By general consent, the Salt Spring Island Watershed Protection Authority agreed to forward the Cusheon Lake Stewardship Committee request for support regarding the monitoring wells at the old landfill site on Blackburn Road to the Technical Working Group for consideration.

7.4 Coordinator's Report

Coordinator Cowan presented the Coordinator's Report for February 15, 2016 to March 11 2016.

7.5 Technical Working Group Report

Don Hodgins presented Technical Working Group (TWG) progress and the following highlights were presented:

- Current Activities:
 - Cusheon Lake – review of background technical material ongoing;
 - St. Mary Lake – feasibility testing of soil samples for septic impacts (nutrients, other); scope and cost underway / applicability to Cusheon Lake to be determined; problem definition and scope for sediment core sampling (IWMP MA);
 - Groundwater Quantity – scope of possible approaches
- St. Mary Lake Monitoring and Reporting:
 - Runoff measurements complete, analysis and report writing underway;
 - Rainfall – measurements complete, analysis and results rolled into runoff report;
 - Septic – report under final edit, ready for public release in March.

7.6 Amended Workplan 2016

Coordinator Cowan presented the SSIWPA Workplan 2016-2017.

By general consent, the Salt Spring Island Watershed Protection Authority agreed to add: the Water Fair, the Cusheon Watershed Survey and an “achieved” bar to show progress in items on the Fastrack Workplan.

7.7 Test Survey Cusheon Watershed

7.7.1 Revised Survey Questions

Coordinator Cowan presented the preliminary results of the Cusheon Watershed test survey and highlighted the survey was sent to 27 residents and 11 responses were received. It was noted to include low flush / dual flush toilets.

By general consent, the Salt Spring Island Watershed Protection Authority agreed Coordinator Cowan and D. Hewitt would edit the Cusheon Watershed survey and forward to the Technical Working Group for review.

7.8 St. Mary Lake watershed residents mail out

Coordinator Cowan presented the St. Mary Lake watershed residents mail out and noted she would contact the Capital Regional District (CRD) regarding addition of CRD water conservation grant program information.

By general consent, the Salt Spring Island Watershed Protection Authority approved the St. Mary Lake watershed residents mail out with the addition of CRD water conservation grant program information.

7.9 POLIS March 8, 2016 capacity-building workshop

7.9.1 Coordinator's invited presentation notes

Coordinator Cowan presented notes from the POLIS March 8, 2016 capacity-building workshop and noted Polis is preparing a follow up webinar that will be presented at a future meeting.

7.9.2 St. Mary Lake Sign

Coordinator Cowan presented the draft St. Mary Lake sign for discussion and the following items were noted for consideration:

- remove the bird hunting logo
- reverse the "seasonal Nutrient Cycles Explained" panels with winter on the left
- replace "it's" with "its"
- include title over third panel such as "Duck Creek"
- include a representation of the shoreline that reflects the low water level in the summer panel
- include a fourth panel to include a representation of a stream entering the lake
- include a representation of P-release
- include the watershed boundary in the map
- add logos
- add link to SSIWPA website
- move the icon panel to the bottom

By general consent, the Salt Spring Island Watershed Protection Authority agreed Chair Grams and Coordinator Cowan would provide a redraft of the St. Mary Lake sign for consideration at the next meeting.

7.10 Correspondence

7.10.1 Re: Review request by member of the public for SSIWPA review / response to two articles in 24 Feb 2016 Driftwood Newspaper

By general consent, the Salt Spring Island Watershed Protection Authority agreed to direct the coordinator to reply to the correspondence.

7.10.2 Technical Working Group new member announcement

Pat Lapcevic reported Sylvia Barroso, Ministry of Forests, Lands and

Natural Resource Operations Regional Groundwater Hydrologist has been appointed to the Technical Working Group.

Chair Grams expressed appreciation to Pat Lapcevic and the Ministry of Forests, Lands and Natural Resource Operations for the expertise they are contributing to the Technical Working Group and the Steering Committee.

8. OTHER BUSINESS

8.1 Questions and Comments from Public

One member of the public asked (1) Could the St. Mary Lake sign include a larger format, more detailed watershed map as the back of the sign and (2) Could nitrogen be added to the legend on the sign?

One member of the public asked if the St. Mary Lake sign watershed map include property boundaries?

9. NEXT MEETING

The next meeting is scheduled Friday April 22, 2016 10:30 a.m. to 1:00 p.m. at the CRD portable, 145 Vesuvius Bay Road.

10. ADJOURNMENT

By general consent the meeting adjourned at 11:37 a.m.

DRAFT

George Grams, Chair

CERTIFIED CORRECT:

Sarah Shugar, Recorder



Coordinator's Report

March 15 – April 14, 2016

Meeting Admin:

- ✓ Websites - help to restore, reload documents when hacked
- ✓ April SSIWPA agendas created, sent to email list, posted on website
- ✓ New TWG member information to Steering Committee
- ✓ create adopted minutes for meeting 19 February 2016
 - ✓ send to Trust Staff for sig folder, print request
- ✓ Contact Neil Goeller and Sylvia Barroso by phone for TWG welcome and orientation to SSIWPA
- ✓ Draft March 18 2016 minutes edited, and sent to Committee

Project Management/Facilitation:

- ✓ ACTION: 7.6 - add: the Water Fair, the Cusheon Watershed Survey and an "achieved" bar to

Workplan. COMPLETED

ACTION: 7.7 March 18 - Cusheon watershed-wide public survey COMPLETED

- ✓ posted survey link to ssi exchange
- ✓ sent with Beddis System April billing (with help of Karla Campbell, CRD)
- ✓ TWG was sent new survey link for review
- driftwood press release - pending
- ✓ mailed out to 390 addressees in watershed
- ✓ reload images to website for this survey
- ✓ conduct phone surveys – entering data online for those who will not (2 to date)
- ✓ **SML mailout** -clarifying projects in the watershed – agencies and contacts and details
 - ✓ reconciling mailing lists and eliminating doubles
 - ✓ purchased stamps and envelopes
 - ✓ sent to 250 addresses

ACTION 6 - notified Susan Fussell of her appointment to the Cusheon Watershed Public Advisory Committee. COMPLETED

ACTION: 7.2 - added a link to 2016 report by Maggie Squires on the website. COMPLETED

ACTION: 7.3 March 18 - forward the Cusheon Lake Stewardship Committee request for support

regarding the monitoring wells at the old landfill site on Blackburn Road to the Technical Working Group for consideration (discuss at May 9 TWG meeting) IN PROCESS

✓ email from Coordinator to CRD Resource Mgmt Dept to inquire about data on old landfill site monitoring well investigation and any current waste transfer station data - April 13

ACTION 7.9 March 18 -provide redraft of the St. Mary Lake sign - COMPLETED

✓ Sign SML –final approval sought April 22 Steering Meeting

✓ revisions to sign with G Grams

✓ revisions to map with B Dashwood

✓ called Kate Emming to review map for sign, version April 4.

✓ sent sign to CRD PARC and Steering for review (April 14)

✓ HCTF Grant - SML Biodiv and Riparian Restore (DRAFT to Steering Cttee April 22)

✓ send draft to Don H, Doreen H, and Kathy R Apr 7

✓ draft to SSIWPA in April 14 agenda

✓ met Doreen, Kathy, Don Apr 8

✓ reviewed PCAF grant draft April 13

✓ revisions on April 14 to the application, added references (photos required)

Ongoing / Not yet completed

□ Water Fair report 2016 Draft to Steering Committee

Outreach:

✓ Water Demand Query - E. FitzZaland for Community Services project – Coordinator did an hour of literature review to assist

✓ attended POLIS Webinar March 31, 2016 “Networking across the province about results of capacity-building workshops”

□ Coordinator to give presentation about SSIWPA at Community IWM Group Meeting in Victoria (CRD) (Due Sep 27, 2016)

✓ communications with Kitty Lloyd March 2016

✓ ACTION 7.10.1 - re: Correspondence from member of public about 24 Feb articles. SSIWPA directs the coordinator to reply to the correspondence. COMPLETED

Outstanding Actions from past meetings:

to develop the coordination of a Development Information Package that would include RAR, construction bylaws and DPA 7 (Coordinator Cowan) – **in progress**

to request Capital Regional Director McIntyre to contact the Capital Regional Building Inspection office regarding a pollution barrier requirement for development in Riparian Areas. – **correspondence on this item Feb 11 2016**

TWG Coordination Actions

- cusheon review by TWG - coordination actions
 - ✓ revisions to Table 9
 - ✓ revisions to discussion paper
 - ✓ agenda item set
- TWG agenda creation, publicize mtg (Due May 9, 2016) IN PROCESS
- compile methods for determining water consumption SSI data IN PROCESS
- Investigate coho salmon effects of road runoff in scientific literature IN PROCESS – some completed in CLSC grant proposal for restoration of shoreline areas
- search scientific literature for phytoremediation with reed canary grass IN PROCESS
- ✓ Soil testing at Cusheon lake area properties for nutrient content (P) - information sought from Hewitts and Environmental Farm Plan officer, COMPLETED = not found
- ✓ Site Inspection report Waste Transfer Station
 - ✓ email Anke Bergner of CRD Environmental Resource Mgmt office
- ✓ TWG informal meeting communications , facilitation
- ✓ catalogue of cusheon map data at Trust sent to TWG
- ✓ How to work with Trust maps, GIS data – document circulated informally to TWG
- ✓ meeting arrangements, walkabout at Cusheon Creek outlet property (also other members of CLSC and ISES)
- ✓ OCP - Cusheon Plan review (Due Mar 23, 2016)
- ✓ remind TWG of upcoming meetings and locations



April 12 2016

To: Anke Bergner, CRD Resource Management Department

Hello Anke,

On behalf of the Salt Spring Island Watershed Protection Authority (SSIWPA), of which CRD is a member agency, I'm writing today to inquire about the Blackburn Road, Salt Spring Island Waste Transfer Station.

It was brought to the attention of SSI Watershed Protection Authority that there are annual Waste Transfer Station site inspection reports that are provided by your department, upon request.

SSIWPA is seeking to gather any and all data that exists for the monitoring of soil and water (and air) quality at the current Salt Spring I. Waste Transfer Station, and at the previous Blackburn Dump site, if applicable.

The purpose for requesting these data, if available, is to assist with a review of the Cusheon Watershed Management Plan (2007), by considering any information about the presence/absence in the watershed of heavy metals, nutrients, and other contaminants (e.g. pharmaceuticals).

Thank you for your assistance.

Sincerely,
Shannon Cowan

www.ssiwatersheds.ca

c/o SSI Islands Trust ~ 1-500- Lower Ganges Road, Salt Spring Island V8K 2N8
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