

**DRAFT MINUTES of a Regular  
SSI Watershed Protection Authority  
TECHNICAL WORKING GROUP MEETING  
1:00-3:00 pm Monday February 15, 2016  
SD64 Board Room, 112 Rainbow Rd, SSI**

**Committee Members Present:** Don Hodgins (Chair), Fred Beall, Kevin Chipperfield, Ian Debie, Dale Green (CRD), John Harris, Jos Lussenburg

**Coordinator, Facilitator & Recorder:** Shannon Cowan

**Member of the Public:** none

The minutes are recorded in the order of the agenda. This is not necessarily the order in which items were discussed in the meeting.

**1 CALL TO ORDER** The Meeting was called to order at 1:00 pm.

**2 APPROVAL OF AGENDA**

The agenda was approved.

**3 MINUTES**

**By general consent,** the Minutes of the November 15, 2015 Technical Advisory Committee Meeting were approved.

**BUSINESS ITEMS**

**4.1.1** a) Septic update

The report being prepared by Don Hodgins is in the final stages and will be posted in draft form to the group shortly.

Dale Green took a moment to introduce himself, as his first in-person meeting with the new TWG membership.

b) Soil sampling – feasible for Cusheon

**ACTION: COORDINATOR** to inquire about any previous data for Cusheon empirical soil P levels, and other indicators of septic flow or influence (incl. lakefront zone, and areas of upper watershed). (Conservancy, Sprague and CLSC, David Tattam for BCMAL, etc.)

**ACTION: Kevin and John H.** to create a proposal for the specific indicators to test for, sampling plan, and cost out the basics of a small program for St. Mary – to augment the data. If promising, could be applied to Cusheon later on.

c) Runoff monitoring

An update on the preliminary estimates for variability in first flush and later winter runoff quantities of P, among the different inflow runoff measurement locations, was provided by D Hodgins. Draft report is expected within the next two months.

d) P-removal from runoff – feasibility study

**ACTION: Fred** will determine whether the Min. of Transportation has a spatial map of the culverts and ditches in St. Mary watershed? This could be useful for the estimates made with these empirical runoff data.

**ACTION: Fred and Kevin** will do a walk around of the ditches around SML to do upstream samples, in order to ascertain whether P levels vary and whether there are hot spots of point source P entering the surface water.

e) Stewardship-outreach update

Coordinator gave an update of upcoming outreach events Feb – June.

Artspring St. Mary performance – “MONAD” Feb 24 and 27. Thanks to member Ian for assisting, and SC member Lorrie as well.

Water Fair March 13 – 11am – 3pm at high school. Thanks to Kevin and Jos for assisting (to be confirmed for details and times).

Save the Date for St. Mary Celebration at the Lake – June 19, 2016 afternoon.

f) Squires biomanipulation report

**ACTION:** TWG recommends this report be accepted and published. A cover page acknowledging the financial support provided by the Province should be added.

#### 4.1.2 3W Action Table Review

**See blue text updates in the action table (Attached to minutes)**

Item 7 on the list – **ACTION:** Shannon will add to SC agenda the request that monthly meeting be extended when TWG will give a presentation on technical issues. (20 mins.)

4.1.3 See above updated table

#### Action List from Last Meeting November 15, 2015

1. Sub Group-Cusheon will review the literature about Cusheon Watershed and report back at the next meeting. The review will include the 2007 Cusheon Watershed Management Plan (water quality data), any hydrological reports, and results of recent 2014-15 creek nutrient monitoring and lake water quality monitoring (incl. algal abundance and toxic events), as available. **Status: in process – see Action Table attached for members**
2. Sub Group Quantity will begin a review of the available information about groundwater exploitation and capacity on Salt Spring Island as a whole, and the feasibility of quantitative groundwater modelling for the island. **Status: in process, see table**
3. Coordinator will invite Mr. Guy Patrick (local hydrogeologist) to consider volunteering as a member of TWG. **Status: completed, no reply to phone message.**

4. Coordinator will forward 'TWG Publication Protocol' to Steering Committee. **Status: completed, in amended Terms of Reference.**
5. Don Hodgins will draft a letter from the TWG to the Steering Committee to recommend that SSIWPA investigate the potential for long term phosphorus reduction in lake sediments by artificial aeration (including hypolimnetic aeration and other types). **Status: completed**
6. Members will review [www.Gaiawater.com](http://www.Gaiawater.com) and advise Coordinator whether a presentation by representative of the company should be invited to speak to the TWG/Steering Committee. **Status: completed. Not applicable.**

#### 4.2 TWG Affairs

4.2.2 Chair position and reporting out. Several options were presented and a discussion ensued.

**By general consent**, TWG elects to have a system of Chair with co-Chair serving for a period of February to September, 2016.

4.2.3 Reports to Steering committee - **By general consent**, TWG agreed that it's Chair or co-Chair will report out to Steering Committee.

#### 4.3 Correspondence and News

4.3.1 **ACTION:** The communication was received and the TWG resolved to put this on SSIWPA's website alongside Lisa's Thesis.

**ACTION:** Dale Green will investigate the parameters for a sediment chemical analysis in SML.

4.4 **Reporting to SC** - who, what (February 19 to SSIWPA steering)

**Items in the 3Ws Action Table will be summarized by Chair and presented to SC.**

#### 5 OTHER BUSINESS

#### 6 NEXT MEETING

The next meeting of the SSIWPA TAC is scheduled for **Monday May 9, 2016.**

#### 7 ADJOURNMENT

**By general consent**, the meeting was adjourned at 3:00 pm.

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Don Hodgins, Chair

Certified Correct:

\_\_\_\_\_, Shannon Cowan, Recorder