

**ADOPTED MINUTES of a Regular  
SSI Watershed Protection Authority  
TECHNICAL WORKING GROUP MEETING**  
1:00-3:00 pm Monday Nov 16, 2015  
SD64 Board Room, 112 Rainbow Rd, SSI

**Committee Members Present:** Don Hodgins (Chair), Chris Laughlin

**Present by Webconferencing:** Dale Green

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

**Invited Observers:**

Kevin Chipperfield, agrologist

Julie Ann Ishikawa, hydrogeologist, Ministry of Environment

Ian Debie, geophysics, entrepreneur (ocean/shellfish)

**Member of the Public:**

Wayne Hewitt, Cusheon Lake Stewardship Committee

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 1:12 pm.

**2 APPROVAL OF AGENDA**

The agenda was approved.

**3 MINUTES**

**By general consent**, the Minutes of the June 8, 2015 Technical Advisory Committee Meeting were approved.

**By general consent**, the Minutes of the September 14, 2015 Technical Advisory Committee Meeting were approved.

**BUSINESS ITEMS**

**4.1** Members of the working group, and observers (potential working group members) introduced themselves.

**At 1:20 pm: Julie Ann Ishikawa, and Ian Debie arrived and gave short introductions.**

**4.2.1** Chair Hodgins delivered an update on the background and the current status of monitoring and phosphorus budget at St. Mary Lake.

**By general consent**, the two reports put forward to the working group by Chair Hodgins will be sent forward to the SSIWPA Steering Committee, as written.

**4.2.2** **By general consent**, it was agreed that a sub-group of TWG 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.

Those present interested in forming a sub-group for the Cusheon watershed include: Kevin Chipperfield and Julie-Ann Ishikawa.

Some of the actions discussed (2007 Cusheon Plan, Table 9, Development Issues and impacts on Lake Water Quality) will be forwarded to the Steering Committee agenda by the Coordinator.

**By general consent**, it was agreed Mr. Wayne Hewitt may be invited by TWG members or sub-group members to work informally on items of interest to the TWG, in order to carry out its mandate and directives from SSIWPA Steering Committee.

**4.2.3** **By general consent**, it was agreed that a sub-group of TWG members (Don Hodgins, Ian Debie, Julie-Ann Ishikawa) 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.

**ACTION: Coordinator will invite Mr. Guy Patrick (local hydrogeologist) to consider volunteering as a member of TWG.**

**4.3.1** TWG Terms of Reference were received for information.

**4.3.3** **By general consent**, the 'SSIWPA TWG Publication Protocol' was approved, as written.  
**ACTION: Coordinator will forward 'TWG Publication Protocol' to Steering Committee.**

**4.3.4** Data request template was received for information.

**4.4.1** Two notices of resignation were received for information.

**By general consent**, the following resolutions will be sent as recommendations to SSIWPA Steering Committee:

- a. Dr. Julie-Ann Ishikawa be accepted as a SSIWPA Technical Working Group voluntary member-at-large for a proposed 1 year term, pending receipt and approval of her curriculum vitae by the Steering Committee.
- b. Mr. Kevin Chipperfield be accepted as a SSIWPA Technical Working Group voluntary member-at-large for a proposed 1 year term, pending receipt and approval of his curriculum vitae by the Steering Committee.
- c. Mr. Ian Debie be accepted as a SSIWPA Technical Working Group voluntary member-at-large for a proposed 1 year term, pending receipt and approval of his curriculum vitae by the Steering Committee.

**4.4.2** **By general consent**, the election of a new Chair of the TWG will be deferred to the next meeting, in order to allow for establishment of incoming new TWG members. Don Hodgins will perform duties of Acting Chair, in the interim.

4.5 By general consent, the TWG Memo to Steering Committee will be forwarded, as written, to defer bi-weekly SML monitoring to fall 2016 turnover period.

4.6 Elk Lake October 29, 2015 forum summary by the Coordinator was received for information.

4.7.1 Lisa Rodgers' memo dated November 16, 2015 was received for information.

**By general consent**, 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).

4.7.2 **By general consent**, 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.

4.9 Items to Report out to SSIWPA Steering Committee on November 27, 2015:

**St. Mary Program Update:**

- SML 2014-15 Water Balance report by D.O. Hodgins for SSIWPA, public.
- SML 2014-15 Runoff Monitoring report by D.O. Hodgins for SSIWPA, public.
- Stormwater (creek) sampling (TP, SRP, nitrates, and flow rate) is underway. Two samples have been made as of Nov 16, 2015. Steering committee member Lorrie Hunt, and Lisa Rodgers are assisting Don Hodgins.
- Rainwater sampling. Don Hodgins. Preliminary results suggest that previous reports have underestimated P loading from rainfall (atmospheric deposition to St. Mary Lake). Ongoing.
- Don Hodgins is conducting a trend analysis on the SML dataset (chemical and algal characteristics since 1974) to determine how much change in the data is required in order to detect changes that are statistically significant. Reporting out soon.

**Other items**

- Three (possibly more) interested new TWG members to be considered for approval by Steering Committee.
- A subgroup of TWG to conduct a review of the watershed issues (quality, quantity) for Cusheon Lake (including 2007 Management Plan, Table 9). Timeline tbd.
- A subgroup of TWG to begin an assessment of groundwater capacity.

**5 OTHER BUSINESS**

**6 NEXT MEETING**

The next meeting of the SSIWPA TAC is scheduled for Monday 15 February, 2016.

**7 ADJOURNMENT**

**By general consent**, the meeting was adjourned at 3:09 pm.

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Don Hodgins, Chair

Certified Correct:

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