

**BURNS BOG ECOLOGICAL CONSERVANCY AREA
SCIENTIFIC ADVISORY PANEL MEETING, NOTES
Tuesday, December 8, 2015 – 3:30pm – 5:30pm
Arbutus Meeting Room, Parks West Area Office
130 – 1200 West 73rd Avenue, Vancouver, BC**

Attendees:

Jeffrey Fitzpatrick, Metro Vancouver (JF)
Markus Merkens (Chair), Metro Vancouver (MM)
Allan Dakin, Scientific Advisory Panel (AD)
Richard Hebda, Scientific Advisory Panel (RH)
Dan Moore, Scientific Advisory Panel (DM)
Karen Golinski, Scientific Advisory Panel (KG) - via conference call
Paul Whitfield, Scientific Advisory Panel (PW) - via conference call
Sarah Howie, Corporation of Delta (SH)
Carina Mangibin, Metro Vancouver (CM)

Guest:

Johannes Exler, UBC – Department of Geography

Regrets:

Loger Aure, Metro Vancouver (LA)
John Jeglum, Scientific Advisory Panel (JJ)
Mike Brotherston, Corporation of Delta (MB)

Meeting started at 3:36 pm

1.0 Introductions

2.0 Review April 13, 2015 Meeting Notes

3.0 Review Action Items from April 13, 2015

- 4.0 Lateral Flow Study Presentation** (Johannes Exler – UBC Graduate Student, Department of Geography)
The presentation is entitled: Outflow Quantification from a Raised Bog near Vancouver. The research site is at south of BBCEA/east of the Vancouver landfill. Conclusions of this study were that the lateral flow is by far most important runoff process; outflow is only important during wet season; water table exceeds threshold during wet season; and water table shape is mainly controlled by topography.



5.0 Scientific Advisory Panel Topics

5.1 Research Strategy

5.1.1 Vegetation Monitoring

- Vegetation monitoring workshop to be set up early 2016 – March?
ACTION: MM to set a doodle poll before end of the year.
- Comments on Thomas Munson’s study: data on tree mortality is useful; there is an increase in sphagnum colonization on peripheral zone; water table damming is good-stable over 10 years;

5.1.2 Hydrological Studies of Burns Bog 2016

- This was submitted by DM. The piezometers of different heights were placed in 2 locations by Johannes.
- The piezometers used by Sarah should be completed in February 2016. The piezometers were installed in 27 different sites with 3 each.
- Flux tower will stay until end of summer – valuable for evapotranspiration.

ACTION: Workshop on hydrology in Fall 2016

5.1.3 Burns Bog Restoration Project

- Implement study for the
- Effect of depression – accelerating of sphagnum
- Students from UVic will be coming in September
- Long-term monitoring study.

5.2 Management Plan

5.2.1 Gateway Monitoring Reports

- Discontinue the dustfall monitoring
- Environment Canada reviewing the consultant’s report
- UBC - Dept of Geography – dustfall monitoring started. Collection was ruined due to equipment malfunction. Should be completed next year.

6.0 Operations Update

- **Fire** – originated from Princess Farms
- **80th Street alignment** – float gate – river water flowed into the bog.

Meeting ended at 5:35 pm

Next Meeting – (TBD)