

Hubbard Brook Committee of Scientists Meeting

January 7-8, 2020

Cary Institute of Ecosystem Studies

Tuesday Afternoon January 7

1:00 - 1:10 Pam Templer and John Battles - Welcome and Introductions

Session 1. The 2013-14 Stream water nitrate spike: Solving the mystery

1:10 - 1:25 John Campbell - Session introduction

1:25 - 1:35 Nick LoRusso - Pattern in soil solution

1:35 - 1:45 Peter Groffman - Soil N dynamics

1:45 - 1:55 Bill McDowell - Streamwater nitrate sensor (remotely)

1:55 - 2:05 Mark Green - Evaluation of regional stream nitrate data

2:05 - 2:15 Pam Templer - Soil frost

2:15 - 2:25 Nat Cleavitt - Vegetation disturbance

2:25 - 2:35 Linda Pardo - Hydropedology

2:35 - 2:45 Emma Rosi and Emily Bernhardt (remotely) - Rain-on-snow, In-stream processing

2:45 - 3:15 **Coffee break**

3:15 - 5:00 Campbell and Green - Structured discussion

5:00 onward Reception and Dinner at Cary Institute.

Wednesday January 8

8:00 - 8:45 COS Business Meeting

Session 2. Valley-wide landscape ecology, modeling, and GIS: Linking across research groups

8:45 - 8:50 Cleavitt: VW overview: session objectives

8:50 - 9:10 Cogbill & Buso: Land-use history in the valley

9:10 - 9:25 S. Bailey & McGuire: Valley-wide soil and stream mapping

9:25 - 9:40 Kelsey & Green: Valley-wide temperature and humidity HOBOS

9:40 - 9:55 **Discussion interlude**

9:55 - 10:10 Battles: Valley-wide tree dynamics

10:10 - 10:25 Cleavitt: Valley-wide smaller flora

10:25 - 10:35 Studer & Ayres: New ash related studies in valley

10:35 - 10:50 **Discussion interlude**

10:50 - 11:20 **Coffee break**

11:20 - 11:35 Rodenhouse: Valley-wide lepidopteran & spider surveys

11:35 - 11:50 Hallworth: Valley-wide Bird point surveys

11:50 - 12:00 Christenson: Charismatic megafauna and Wildlife Cameras

12:00 - 12:15 **Discussion interlude**

12:15 - 1:15 **Lunch**

1:15 - 1:30 Matthes: Modelling efforts using the VW plots

1:30 - 1:45 Lany: Valley-wide past and present study maps; GIS layers

1:45 - 2:00 **Discussion interlude**

2:00 - 2:30 Small group discussion on papers and proposals

2:30 - 3:00 Whole group discussion; plans for follow-up