



North American Forest Ecology Workshop 2007

Field Excursion # 6

North Shore Vancouver: Temperate Rainforests - Sea and Sky

Itinerary: This tour will explore old-growth forest dynamics in two local protected areas on the north shore of Vancouver. The Capilano River watershed provides the drinking water to the City of Greater Vancouver. We will tour permanent research plots in old-growth western redcedar - western hemlock forests in this protected area. In the high elevation forests of Cypress Provincial Park we will tour permanent research plots in yellow cedar-mountain hemlock forests. Access to both sites includes hiking off-trail on steep terrain and will require sturdy hiking boots and appropriate clothes for the field.

The forests we will visit at both areas exemplify the structure and dynamics of "true old-growth forests", including dominant trees that have lived 500 to 1000 years, coarse woody debris that is centuries old, and canopies comprised of a mosaic of fine-scale gaps which provide horizontal and vertical structural diversity. On the tour, we will visit permanent research plots that were established 15 to 20 years ago in which we have documented the population dynamics of the dominant tree species. Our research includes, reconstruction of the impacts of fine-scale canopy gaps on regeneration dynamics and tree recruitment using tree rings, exploration of the impacts of meso-scale insect defoliations on the forest, and prediction of future forest composition and dynamics using stage projection models.



We will have a picnic lunch at a high elevation tarn.



Dates: June 21, 2007

Estimated costs: \$70
Includes transportation and lunch

Space limitation: 50 delegates

Trip Leaders:

- Dr. Lori Daniels, Biogeography, University of British Columbia
- Dr. Suzanne Simard, Forest Sciences, University of British Columbia
- Dr. Ken Lertzman, School of Resources & Environment, Simon Fraser University

Please visit the NAFEW website to register for the excursion at www.nafew.org/fieldtrips/registration.htm.

We look forward to seeing you in beautiful British Columbia!



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www.nafew2007.org