

From: Research file E.R. #28

Observations on Ambrose Lake E.R. #28 on May 29, 1932 by Lynne Milnes  
Sydney Wiley

approached from Ruby Lake shore

on dry exposed rock outcrops: trees Acer macrophyllum Big-leaved Maple  
Alnus rubra Red Alder  
Arbutus menziesii Arbutus, Madrano  
Cornus nuttallii B.C. Dogwood  
Pinus contorta Lodgepole Pine, Shore Pine  
Pinus monticola Mountain Pine  
Salix sp. Willow  
Thuja plicata Red Cedar  
shrub Juniperus communis Common Juniper  
herbs Arctostaphylos uva-ursi Kinnickinnick  
Cryptogramma crista Parsley Fern  
Fragaria virginiana Strawberry  
Gaultheria shallon Salal  
Microsteris gracilis Pink Microsteris  
Saxifraga ferruginea Rusty Saxifrage

in the forest trees Alnus rubra Red alder  
Pseudotsuga menziesii Douglas Fir  
Tsuga heterophylla Western Hemlock  
Thuja plicata Red Cedar  
herbs Agrostis sp. grass  
Berberis nervosa Oregon Grape  
Blechnum spicant Deer Fern  
Boschniakia hookeri Ground Cone  
Chimaphila umbellata Prince's Pine  
Goodyera oblongifolia Snake Plantain  
Linnaea borealis Twinflower  
Luzula campestris Field Rush  
Polystichum munitum Sword Fern  
Pteridium aquilinum Bracken Fern  
Rubus parviflorus Thimbleberry  
Trientalis latifolia Starflower  
Vaccinium parvifolium Huckleberry  
Viola glabella Yellow Violet  
Selaginella wallacei Wallace's Club-Moss  
mosses Hylocomium splendens  
Rhacomitrium canescens  
Rhytidiadelphus triquetrus

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In bog and surrounding lake Deschampsia caespitosa Hairgrass

Vegetation

Drosera rotundifolia Sundew

Eriophorum sp. Cotton grass

Gentiana sceptrum King's Gentian

Ledum groenlandicum Labrador Tea

Lysichiton americanum Skunk Cabbage, Swamp Lantern

Kalmia polifolia Bog Rosemary

Mimulus moschatus Musky Monkeyflower

Myrica gale Sweet Gale

Nuphar sp. Water-lily

Rosa nutkana Nootka Rose

Vaccinium oxycoccus Bog Cranberry

Vaccinium uliginosum Dwarf Huckleberry

Sphagnum rubellum Red Peat

Sphagnum papillosum peat

also heard Robins

Song Sparrows

Ruffed Grouse

saw pair of loons in the lake

evidence of beavers, otters, deer, frogs, dragonflies

freshwater clams and stickleback fish present

Problems: Fire pits on Arbutus Point but locals say it is never used

Trees cut down for firewood along Ruby Lake

Camping at Ambrose Lake at the end of the four-wheel drive road

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E.R. #28 - Ambrose Lake

- sited with G. Franko, May 12, 1977

Pseudotsuga - Pinus contorta - Gaultheria shallon - Pteridium aquilinum - lichen

- submesic; shallow soils over bedrock

Arbutus menziesii  
Arctostaphylos unva-ursi, (A. columbiana, A. media)  
Cladonia spp. (mitis, rangiferina, gracilis, uncialis, furcata, bellidiflora)  
Zygadenus venenosus Agrostis scabra  
Saxifraga ferruginea Goodyera oblongifolia  
Fragaria virginiana Vaccinium parvifolium  
Cryptogramma crispa Boschniakia hoakeri  
Luzula campestris Hypopitys monotropa  
Selaginella wallacei Chimaphila umbellata, C. menziesii  
Polytrichum piliferum, P. commune, P. juniperinum  
Rhacomitrium canescens (Juniperus communis)  
Ceratodon purpureus

Pseudotsuga - Thuja plicata - Gaultheria - moss

- in moister spots, swales, gullies, etc.; closer canopy

(Tsuga heterophylla)  
(Cornus nuttallii)  
(Polystichum munitum)  
Mahonia nervosa Linnaea borealis  
Hylocomium splendens  
Rhytidiadelphus triquetrus  
Eurhynchium oreganum

Tsuga heterophylla - Thuja - Gaultheria shallon - moss

- moister sites, North and Northeast slopes  
- occasional large Douglas-fir veterans  
- less salal, B<sub>2</sub> not as well developed as in previous community  
- lots of decaying wood and hemlock regeneration  
- mosses are abundant

Hylocomium splendens  
Rhytidiadelphus loreus  
Plagiothecium undulatum  
Eurhynchium oreganum

characteristic

Polystichum munitum  
Viola glabella, V. howellii  
Blechnum spicant  
(Adiantum pedatum-on wet rock faces  
in forest)

- occasional Pinus monticola ⊕ seedlings and saplings

Thuja - Lysichitum americanum - Conocephalum conicum

mucky depressions, seepage ravines; + standing water

✓ Oenanthe sarmentosa  
Blechnum spicant  
✓ Carex sitchensis

Tsuga - Thuja - Pinus contorta - Ledum groenlandicum - Gaultheria - Pteridium -  
Hylocomium - Pleurozium schreberi bog forest

Lysichitum americanum                      Viola palustris

Pinus contorta - Ledum groenlandicum - Sphagnum bog

Kalmia polifolia (Gaultheria shallon)    Vaccinium mycoccus, V. uliginosum  
Myrica gale  
✓ Carex obnupta, C. livida    Deschampsia caespitosa    Eriophorum sp.  
Drosera rotundifolia    ✓ Apargidium boreale    Trientalis arctica  
Sphagnum rubellum, S. fuscum, S. papillosum    ✓ Pleurozium schreberi

- organic mat in places just a few metres wide, abutting on rocky shoreline
- best bog development is at E end of lake

Some bryophytes of E.R. #28

mosses

Hookeria lucens  
Rhytidiadelphus loreus, R. triquetrus, R. squarrosus  
Dicranum ?                      muehlenbeckii (bog)  
Pleurozium schreberi  
Polytrichum piliferum, P. commune, P. juniperinum  
Rhacomitrium canescens  
Ceratodon purpureus  
Timmia austriaca  
Atrichum selwynii  
Plagiothecium undulatum  
Hylocomium splendens  
Mnium glabrescens  
Stokesiella oregana  
Brachythecium asperrimum  
Claopodium crispifolium  
Sphagnum rubellum, S. fuscum, S. papillosum

liverworts

Lepidozia reptans  
Plagiochila sp.  
Cephalozia sp.  
Blasia pucilla  
Scapania undulata  
Porella sp.