

Big Creek Canyon

1979

on eskers & ablation till

*Agropyron spicatum*

*Koeleria cristata*

*Artemisia gray*

" green

*Eriogonum compositus*

*Silaginella densa*

*Opuntia frag.*

*Aechmea glabra*

*Chrysothamnus naus.*

*Lomatium frutescens*

*Rosa acicul.*

*Stipa comata*

*Winnemuccia*

*Pseudotsuga.*

*Arctostaphylos*

*Antennaria umbrinella*

*Adiantum millefoli.*

*Salix boreale*

*Solidago mult.*

*Opulus tremul.*

*Anemone "multif."*

*Spiraea lucida*

*Juniperus scop.*

*Juniperus commun.*

*Shepherdia can.*

*Salix lauc.*

*Aster concinnoides*

*Anemone alb.*

*Eleocharis commun.* - on sand, erosion

*Aster conspicuus*

*Gnaphalium alb.*

*Stipa richardsonii*

*unc. contorta*

S-aspect

*Stipa comata*

*Artemisia*

*Opuntia*

E and SE aspects mainly

forest:

*Calamagrostis rub.*

*Alder ceruinum*

*Fragaria vrg.*

*Comandra umbellata*

eastern slopes:

Pseud. - *Juniper. sc.* (Chry)

- *Agropyron spic.*

- open gr.

*Eriogonum narrow-leaved*

*Zygadenus venenosus*

*Apocynum androsaemif.*

*Lathyrus ochrol.*

*Aster conspicuus*

*Arctostaphylos u.c.*

*Shepherdia*

# Field Notes of H. Roemer

final

Lower Big Creek

May 1980

Douglas Fir Forest with *Betula papyrifera*, *Acer glabrum*, *Rosa acicularis*.

*Juniperus scopulorum* (riparian zone) and *Juniperus communis*.

Open Forest Stands with lots of open ground.

*Pseudotsuga menziesii*

*Betula papyrifera*

*Elaeagnus commutatus*

*Juniperus scopulorum*

*Juniperus communis*

*Shepherdia canadensis*

*Rosa acicularis*

*Amelanchier alnifolia*

*Symphoricarpos albus*

*Salix scouleriana* (silvery underside)

*Agropyron spicatum*

*Salidaga multicaudata*

*Salidaga spatulata* - various

*Aster conspicuus*

*Aster ciliolatus*

*Elymus* (like *E. mollis*) - collected (in openings)

*Astragalus* sp. - collected - (taller, branched - white - pale pink flower)

*Arctostaphylos uva-ursi*

Agropyron spicatum community E. Slopes along River

Juniperus scaupulorum (in places)

- Agropyron spicatum
- Antemisia frigida
- Aster sp. (like A. pansus but taller, linear leaved)
- Achillea millefolium
- Linum perenne
- Crepis atribarba
- Lamium multisepta
- Anemone multifida
- Grewia triflorum
- Tragopogon sp. (branched occasionally)
- Allium cernuum
- Taraxicum sp.
- Arnica sp. (quite dom)
- Zigadenus venenosus
- Heuchera chlorantha
- Potentilla
- Anemone
- Sedum
- Cirsium undulatum
- Smilacina stellata
- Carex virginata (coll.)
- Stipa comata (coll one)

Selaginella densa

Cladonia picurata ; Polytichum juniperinum

Rocky scree:

- Agropyron spicatum
- Woodstia sp (collected) - small like scaupulina

Rocky ridge:

Opuntia fragilis

Chrysanthemum nauseosus

Erigeron c.f. flagularis (collected)

Heterotheca villosa (collected)

Haplopappus ?

Sitanion hystrix (or similar grass - sterile - collected)

Erigeron compositus

Chrysopsis villosa (collected)

Selaginella densa

N slopes - Semiforested - to the Chilcote p.

Agropyron / Calamagrostis Community

- ✓ Agropyron spiratum
- ✓ Calamagrostis rubescens
- ✓ Spiraea betulifolia ssp. lucida
- ✓ Antennaria corymbosa?
- ✓ Anemone multifida
- 10 Solidago sp.
- 8 Galium boreale
- 7 / Festuca saxiphila
- 11 Heuchera cylindrica
- 9 Allium cernuum
- 12 Cerastium arvense
- 13 Scadum lanceolata
- 14 Zigadenus venenosus

✓ Pleurcozum schreberi (som)

Drumlin Area - Gentle Slope - Eastern Exposure  
Sandy ground

Stipa cernata community

- Stipa cernata
- Anemisia campestris? (grey leaf)
- Anemisia fragida
- Opuntia fragilis
- Agropyron spiratum (not too dom)
- Lithospermum (both)
- Chrysanthemum nauseosus
- Antennaria ~~sp.~~ corymbosa
- Potentilla - hippiana type - light green - pennsylvanica
- Lomatium multiseptum macrocarpum
- Arctostaphylos uva-ursi
- Delphinium nuttallianum
- Silphium densa

Upper Terrace - above Chilcoter

Koeleria + Festuca community

Koeleria pyramidata (dom)

Festuca (collected with dry inflorescences)

Agropyron spicatum (scattered)

Erigeron compositus

Antennaria c-f. corymbosa

Tragopogon (a few)

Stipa commata (a few)

Zizadenus venosus

Comandra umbellata

Opuntia fragilis

/? Lychnis (coll.)

Lomatium multiseckum

1 Tamaricum sp.

Artemisia frigida, campestris

Antennaria umbellata

Slopes to lower Terrace

Agropyron spicatum (dense) + similar species as listed above.

Lower Terrace - better drained soil, boulders

Pseudotsuga menziesii (scattered)

1 Symphoricarpos albus (in some areas)

1 Prunus pennsylvanica (in some areas)

1 Agropyron spicatum (1/2 of area covered by)

1 Koeleria

1 Festuca

1 Artemisia frigida

1 Artemisia campestris (grey leaved) mainly

1 Opuntia fragilis

1 Erigeron compositus

1 Antennaria media

1 Delphinium nuttallianum

- Pattern of Agropyron + open Koeleria, Festuca + Artemisia frigida + A. campestris (grey leaved) mainly

- ✓ *Patentilla hippiana* (light green)
- ✓ *Calochortus* (not *apiculatus*)
- ✓ *Stipa richardsonii*
- ✓ *Erigeron flagularis* (quite a few)
- ✓ *Taraxicum* sp.
- ✓ *Antennaria umbrinella*
- ✓ *Selaginella densa*

Lowest Forested Terrace - Open Douglas Fir Forest with  
Open Shrub layer of *Juniperus scopularum*.

*Pseudotsuga menziesii*

- ✓ *Juniperus scopularum*
- ✓ *Symphoricarpos albus*
- ✓ *Juniperus communis*
- ✓ *Shepherdia canadensis*
- ✓ *Rosa glabra*
- ✓ *Rosa acicularis* (odd one)

- ✓ *Agropyron spicatum* (dom)
- ✓ *Arctostaphylos uva-ursi*
- ✓ *Aster conspicuus*
- ✓ *Solidago spatulata*
- ✓ *Achillea lanata*
- ✓ *Fragaria virginiana*
- ✓ *Antennaria parviflora*
- ✓ *Vicia glabrum*

*Peltigera polypodiata*

*Cladonia* cf. *pacifica* - *mitis*

Lyrag Flat Areas.

*Symphoricarpos albus*

- ✓ *Stipa richardsonii*
- ✓ *Agropyron spicatum*
- ✓ *Calamagrostis rubescens*
- ✓ *Arctostaphylos uva-ursi*
- ✓ *Carex concinnoides*
- ✓ *Astragalus* sp. (=white) collected
- ✓ *Galium boreale*

On way back after *Stipa richardsonii* community listed

*Antennaria corymbosa* community

- Antennaria corymbosa*
- Agropyron spicatum* (scattered)
- Erigeron compositus* (quite dom.)
- Srepis atribarba*
- Artemisia campestris* (grey)
- Selaginella densa*
- Small foliose lichens

*Arctostaphalos / Stipa / Carex* community

- Arctostaphalos uva-ursi*
- Stipa richardsonii*
- Carex consimiles*
- Fragaria virginiana*
- Galium aparine*
- Alnus incana*
- Selaginella densa*
- Cladonia* sp.

Open Douglas Fir forest with some *Tussipennis commutata*

- Pseudotsuga menziesii*
- Tussipennis commutata*
- Arenaria multifida*
- Ascyrum arisaemaefolium* (dry, gravelly sites)
- Solidago spiculata*

Douglas Fir forest Shady Slope - 3

- Pseudotsuga menziesii*
- Tussipennis commutata* (dom.)
- Spiraea lucida*

10 +

*Peltigera valacia* (quite) <sup>dam</sup>

*Pleurozium Shadasi*

*Dicranum scapanum*

*Hylaconium Splendens* (a little bit)

*Peltigera polydacta*

*Stereocaulon* sp.

*Cladonia sylvatica*

*Cladonia gratsylus*

*Cladonia metes*

*Peltigera aftosa*