

PLANT COMMUNITIES FOUND WITHIN ECOLOGICAL RESERVE #105

MEGIN RIVER

- 1) *Picea sitchensis* - *Thuja plicata* - *Rubus spectabilis*/*Cornus sericea* - *Trautvetteria caroliniensis*
- 2) *Thuja plicata* - *Tsuga heterophylla* - *Vaccinium alaskaense*, *parvifolium*, *ovatum*
- 3) *Thuja plicata* - *Pinus contorta* - *Gaultheria shallon*
- 4) *Alnus rubra* - *Salix* spp. - *Rubus spectabilis* on young alluvial deposits of minor extent

February 1983

Hans Roemer

MEGIN RIVER VEGETATION PLOTS

		plot no. 4	1	3	2	5	6	
trees	<i>Picea sitchensis</i>	5	6	6	.	6	6	X
	<i>Thuja plicata</i>	5	.	5	.	5	5	X
	<i>Acer macrophyllum</i>	3	4	.	.	3	4	X
	<i>Alnus rubra</i>	.	2	3	.	6	.	X
	<i>Acer glabrum</i>	3	.	2	.	5	4	X
	<i>Rhamnus purshiana</i>	2	.	.	.	.	.	
	<i>Pyrus fusca</i>	.	2	.	.	.	.	
	<i>Tsuga heterophylla</i>	5	.	5	7	3	.	X
	<i>Abies amabilis</i>	.	.	.	7	.	.	X
shrubs	<i>Rubus spectabilis</i>	4	7	6	.	7	5	X
	<i>Cornus stolonifera</i>	2	6	.	.	5	5	X
	<i>Oplopanax horridus</i>	4	.	6	.	.	.	X
	<i>Rubus parviflorus</i>	4	.	5	.	5	5	X
	<i>Ribes bracteosum</i>	.	4	4	.	3	.	
	<i>Sambucus pubens</i>	.	.	4	.	.	.	
	<i>Vaccinium parviflorum</i>	2*	.	.	4	4	*st	X
	<i>Vaccinium alaskaense</i>	.	.	.	3	.	.	X
	<i>Gaultheria shallon</i>	.	.	.	2	.	.	X
	<i>Menziesia ferruginea</i>	.	.	.	.	.	.	X
herbs etc	<i>Athyrium filix-femina</i>	5	6	4	.	4	4	X
	<i>Polystichum munitum</i>	3	3	3	.	2	4	X
	<i>Trautvetteria carolinensis</i>	6	7	6	.	5	5	X
	<i>Majanthemum dilatatum</i>	4	3	3	.	5	5	X
	<i>Adiantum pedatum</i>	3	3	.	.	4	3	X
	<i>Tiarella trifoliata</i>	2	2	2	.	4	4	X
	<i>Erythronium revolutum</i>	3	3	3	.	4	.	X
	<i>Galium triflorum</i>	2	2	2	.	.	3	X
	<i>Adenocaulon bicolor</i>	3	2	.	.	.	.	X
	<i>Viola glabella</i>	2	3	.	.	3	4	
	<i>Poa marcida</i>	2	1	1	.	.	3	
	<i>Disporum oregonum</i>	2	2	.	.	.	.	
	<i>Veratrum viride</i>	2	2	.	.	.	2	
	<i>Osmorhiza chilensis</i>	.	2	3	.	2	3	
	<i>Stachys cooleyae</i>	.	2	2	.	.	2	
	<i>Montia sibirica</i>	.	2	2	.	.	.	
	<i>Tolmiea menziesii</i>	.	3	3	.	3	.	
	<i>Boykinia elata</i>	2	.	.	.	5	2	X
	<i>Streptopus roseus</i>	3	.	.	.	2	.	X
	<i>Luzula parviflora</i>	1	.	1	.	.	.	
	<i>Streptopus emplexifolius</i>	1	.	2	.	.	.	
	<i>Melica subulata</i>	1	2	.	.	2	.	
	<i>Bromus vulgaris</i>	.	1	1	.	.	2	
	<i>Dicentra formosa</i>	.	2	.	.	.	.	
	<i>Circaea alpina</i>	.	2	.	.	.	.	
	<i>Lactuca muralis</i>	.	1	.	.	.	.	
	<i>Anuncis silvestris</i>	.	.	.	.	3	.	
<i>Festuca subuliflora</i>	.	.	.	.	4	.		
<i>Actinopteryx</i>	.	.	.	.	3	.		
<i>Oenothera satmehiana</i>	.	.	.	.	.	3		

in reduced area, summer 1978  
 75-0106 forest plot

(list contd.)

	<i>Tiarella laciniata</i>	.	.	1	.	2	.	x
	<i>Carex deweyana</i>	1	.	.	.	.	.	.
	<i>Viola sempervirens</i>	.	.	2	.	.	.	x
	<i>Dryopteris austriaca</i>	.	.	1	.	2	3	.
	<i>Festuca subulata</i>	.	.	1	.	.	.	.
	<i>Stellaria crispa</i>	.	1	.	.	.	.	.
	<i>Asarum caudatum</i>	2	1	.	4	.	2	x
	<i>Blechnum spicant</i>							
bryo- phytes	<i>Leucolepis menziesii</i>	4	3	3	.	4	3	x
	<i>Plagiomnium insigne</i>	1	.	3	.	3	.	.
	<i>Eurhynchium stokesii</i>	3	.	4	.	5	6	.
	<i>Rhizomnium glabrescens</i>	3	.	.	.	4	2	.
	<i>Rhytidiadelphus triquet.</i>	.	1	.	.	.	.	.
	<i>Rhytidiadelphus squarr.</i>	.	.	4	.	3	6	.
	<i>Eurhynchium oreganum</i>	3	4	1	2	3	3	x
	<i>Hylocomium splendens</i>	.	2	.	4	.	.	.
	<i>Rhytidiadelphus loreus</i>	.	.	.	5	.	.	.
	<i>Isopterygium elegans</i>	.	.	.	1	.	.	.
	<i>Scapania bolanderi</i>	.	.	.	2	.	.	.
	<i>Calypogeia muelleriana</i>	.	.	.	1	.	.	.
	<i>Lophozia incisa</i>	.	.	.	1	.	.	.
	<i>Riccardia palmata</i>	.	.	.	1	.	.	.
	<i>Jungermannia lanceolata</i>	.	.	.	1	.	.	.
		<i>Cerocephalum concinnum</i>	.	.	.	.	3	.
	<i>Sphagnum sp.</i>	.	.	.	.	1	2	.
	<i>Plagiorhiza aspl. troides</i>	.	.	.	.	.	.	.

- Plot 1 : Above Megin Lake, SE of river mouth in alluvial forest. Flat, irregular, slightly channelled ground. Alluvial loamy sand over gravel. Largest spruce in plot about 45" DBH and 170' tall.
- Plot 2 : On foot of sidehill S of plot 1. Gentle slope, 7° NE. Parent material is till. Largest balsam and hemlock about 35" DBH and 170' tall.
- Plot 3 : Lower Megin River, in narrow part of alluvium on east bank, about 5 minutes hike beyond log jam. Alluvial silt (over gravel?). Largest cedars up to 8' DBH and 200' tall, largest spruce up to 60" DBH and 250(?)' tall.
- Plot 4 : In wide part of alluvium of E bank, above log jam and about opposite of western tributary. Alluvial silt over gravel. Cedars about 70" DBH and 200' tall, and spruce about 60" DBH and 250' tall.

MEGIN RIVER, S. END OF LARGE ISLAND, JULY, 1978

Braun-Blanquet Alnus rubra community on fresh alluvia (semi-open):

5 *Alnus rubra*  
3 *Salix* coll.

1 *Lonicera involucrata*  
4 *Rubus spectabilis*  
+ *Rosa nutkana*  
1 *Physocarpus capitatus*  
1 *Spiraea douglasii*

2 *Agrostis oregonensis* (coll.)  
3 *Aster* coll.  
2 *Stachys cooleyae*  
3 *Majanthemum dilatatum*  
1 *Heracleum lanatum*  
+ *Lilium columbianum*  
+ *Prunella vulgaris*  
+ *Achillea millefolium*  
1 *Viola* coll.  
+ *Lycopus americanus*  
1 *Epilobium paniculatum*  
1 *Oenanthe sarmentosa*

Community types at Megin River  
Ecological Reserve Proposal (#239)

1. Picea sitchensis - Thuja plicata - Rubus spectabilis/Oplopanax horridus - Athyrium filix-femina
  
2. Alnus rubra - Rubus spectabilis and Rubus spectabilis - Rubus parviflorus
  
3. Tsuga heterophylla - Abies amabilis - Vaccinium alaskaense - Blechnum spicant  
  
and  
  
Thuja plicata - Gaultheria shallon/Vaccinium ovatum - Cornus unalascensis - Conocephalum conicum/Sphagnum girgensohnii & squarrosum
  
4. Thuja plicata/Pinus contorta - Gaultheria shallon (Vaccinia) - Coptis asplenifolia - Sphagnum spp.
  
5. Pinus contorta scrub (not surveyed)

Vegetation

MEGIN RIVER

E.R. #105

REFERENCE  
NUMBER

REPORTS AND PUBLICATIONS

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Hardy, B. 1976. The Megin River - a test case? Spearhead, Victoria Sierra Club Newsletter, January 1976: 7.