

Ecological Reserve Proposal 346Trial Islands

Partial list of plant communities, species
 compiled from notes of Dr. A. Ceska (1974,76,80)
 Dr. J. Pojar (1977)

1. Xanthoria - Parmelia - Ochrolechia. Lichen community with occasional vascular plants on exposed shore rocks (entrophicated by organic debris, shells, sea spray).
 - Xanthoria elegans*
 - Parmelia saxatilis & taractica*
 - Ochrolechia* sp.
 - Plantago maritima*
 - Atriplex patula*
 - Festuca rubra*
 - Sagina crassicaulis*

2. Sedum - Cladonia. Various similar communities on rocky ground, less exposed to sea spray than #1.
 - Sedum lanceolatum* var. *nesioticum*
 - Sedum spathulifolium*
 - Grindelia integrifolia*
 - Rumex acetosella*
 - Eriophyllum lanatum*
 - R4* *Polygonum paronychia*
 - Cladonia uncialis*
 - Cladonia gracilis*
 - Cladonia pacifica*
 - Parmelia saxatilis*

3. Elymus mollis - Lathyrus japonicus. Small gravel beaches and among driftwood
 - Elymus mollis*
 - Lathyrus japonicus*
 - Achillea millefolium*
 - Grindelia integrifolia*
 - Vicia gigantea*
 - Galium aparine*

4. Salicornia pacifica - Distichlis spicata. Salt marsh.
 - Salicornia pacifica*
 - Distichlis spicata*
 - Spergularia canadensis & macrotheca*
 - Juncus balticus*
 - Puccinellia nutkaensis*
 - Plantago maritima*
 - (*Carex lyngbyei*)
 - Atriplex patula*

5. Plantago bigelovii - Plagiobotrys scouleri. Vernal pool communities (very variable).

R4 *Plantago bigelovii*
 R4 *Plantago elongata*
Plagiobotrys scouleri
 R4 *Aira praecox*
 R3 *Myosurus minimus*
Aphanes occidentalis
 R2 *Limnanthes macconnii*
 R2 *Isoetes nuttallii*
 R4 *Agrostis microphylla*
 R2 *Anagallis minima*
 R1 *Orthocarpus bracteosus*
 R1 *Orthocarpus castillejoides*
 R4 *Orthocarpus pusillus*
Arenaria sp.
 R3 *Tillaea aquatica*
 R1 *Alopecurus carolinianus*

6. *Aira praecox - Festuca myurus - Camassia quamash.* "Vernal sward" on shallow soil over bedrock.

Aira praecox
Aira caryophyllea
Festuca myurus & megalura
Camassia quamash
Bromus mollis
Festuca rubra
Armeria maritima
Rumex acetosella
Plectritis congesta
Collinsia parviflora
Lomatium utriculatum
Aphanes occidentalis
Allium acuminatum
Hypochaeris radicata & glabra
Lupinus bicolor
Montia perfoliata var. glauca
 R2 *Montia dichotoma*
Saxifraga integrifolia
 R1 *Sanicula arctopoides*
Brodiaea coronaria
Dodecatheon hendersonii
Orthocarpus pusillus
Orthocarpus castillejoides
Festuca pacifica

7. Camassia quamash - Ranunculus occidentalis. Meadows on deeper soil, dry.

Camassia quamash
Ranunculus occidentalis
Cynosurus echinatus
Festuca rubra
Zygadenus venenosus
Fritillaria lanceolata
Dodecatheon pauciflorum
Plantago lanceolata
Plectritis congesta
Achillea millefolium
Luzula campestris
Festuca megalura
Bromus rigidus
Bromus sterilis
Allium cernuum
Trifolium tridentatum
Trifolium variegatum
Bromus mollis
Lomatium nudicaule
Lotus micranthus
R1 *Lotus formosissimus*
R3 *Habenaria greenei*
R1 *Castilleja levisecta*
Taraxacum officinale
Orobanche uniflora
R3 *Orobanche grayana*
Cerastium arvense
Vicia sativa
Vicia hirsuta
Viola adunca
Sisyrinchium angustifolium
Brodiaea hyacinthina
R? *Danthonia californica*
Myosotis versicolor
Poa compressa
R2 *Aster curtus*
R2 *Sanicula bipinnatifida*

8. Tall forb vegetation, in various combinations with #7 (mostly on moister ground).

Juncus arcticus & balticus
 R? *Deschampsia holciformis*
Sidalcea hendersonii
Calamagrostis nutkatensis
Agrostis tenuis
Artemisia douglasiana
Trifolium wormskjoldii
Ranunculus repens
Ranunculus occidentalis & "californicus"
Camassia leichtlinii
 (Heracleum lanatum)
 (Pteridium aquilinum)
Aster sp.

9. (*Quercus g.*, *Populus trem.*-) *Symphoricarpos* - *Rosa*. Very dense, wind-shaped thickets.

Quercus garryana
Populus tremuloides var. *vancouverensis*
Salix scouleriana
Salix hookeriana
Pyrus fusca
Symphoricarpos albus
Holodiscus discolor
Amelanchier alnifolia
Rosa nutkana & pisocarpa
Rubus ursinus
Pteridium aquilinum
Bromus carinatus
Elymus glaucus
Polystichum munitum
Dactylis glomerata
Erythronium oreganum
Galium aparine
Sanicula crassicaulis

Other species of various communities

- Solidago canadensis*
Silene sp.
Arctostaphylos uva-ursi
Leontodon nudicaulis
Gnaphalium purpureum
R1 *Lupinus densiflorus*
Prunella vulgaris
Epilobium angustifolium
Rumex occidentalis
Carex obnupta
R2 *Poa confinis*
Veronica peregrina
Stellaria media
Apocynum androsaemifolium
Fragaria chiloensis
Mimulus guttatus
R2 *Lupinus littoralis*
R3 *Calandrinia ciliata*
Trifolium dubium
Oxytropis campestris (collection Dr. N. Turner)

* Rare and Endangered Species Committee (1978)

- R1 - Species occurring in B.C. in single or few populations
R2 - Species occurring in several populations, locally common
R3 - Widespread or scattered distribution, small populations
R4 - Restricted distribution, large populations
R? - Species rare, but its distribution is poorly known