

Drizzle Lake!
June 15, 1980

Sheila Douglas
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Drizzle Lake

Ref. No.:

160

Queen Charlotte Islands Herbarium

ECOLOGICAL RESERVES COLLECTION
GOVERNMENT OF BRITISH COLUMBIA
VICTORIA, B.C.
V8V 1X4

As part of a Natural History Project conducted by the Queen Charlotte Islands Museum, the QCI Herbarium made a modest beginning in 1978-79. For its first year, it was planned that a small-scale collection of primarily Angiosperms be assembled that would be representative of the various plant communities on the Islands. The collections carried out from September 1978 to September 1979 covered about 30% of the species of vascular plants documented by Calder and Taylor (1968) in their comprehensive survey of the Islands' flora. Most habitats were sampled, with the exception of montane communities.

Collections were made by Mary Morris, primary of coastal and disturbed communities on northern Moresby Island; and myself, of the raised bog habitat on northeastern Graham Island and coastal rock communities in Skidegate Inlet.

Thirty-three sites on the Islands were sampled (Figure 1); in some of these, thorough inventories were taken, in others, only one or two species were collected. A near complete collection of angiosperms from the Drizzle Lake Ecological Reserve was assembled; as well, disturbance communities in Cumshewa Inlet were well surveyed.

In total, 261 collections were made, representing 162 species

of vascular plants (Table 1). The majority of plants have been previously reported as part of the Islands' flora (Calder & Taylor 1968); the exceptions are Scirpus subterminalis Torr. , which is the dominant littoral aquatic in Boulton Lake, and Juncus nevadensis Watson , a locally abundant emergent in Drizzle Lake.

Duplicates of the majority of my collections have been deposited in the British Columbia Provincial Museum, where Dr. T.C. Brayshaw verified identification. Hans Roemer, of the Ecological Reserves Unit (Lands Branch, Government of B.C.), assisted in primary determination of several species and verified identification of Mary Morris' collection. My collection has been mounted, labelled and housed in cabinets at the QCI Museum; there are unmounted duplicates of most of these species. Mary Morris will catalogue and prepare her collection this summer.

In May and June of 1980, I have added 83 collections to the Herbarium, sampling the coastal and sub-alpine communities of Moresby Island (Crescent Inlet to Haswell Bay), and the coastal rock habitat at Marble Island, at the western entrance to Skidegate Channel. 1980 collections may be limited, as the QCI Museum is unable, at this point in time, to channel funds for travel expenses, equipment or wages into the Herbarium. The Provincial Museum has no funds available for collections on the Queen Charlotte Islands.

The collections made in 1979 by Mary Morris and myself, although limited in their scope, are a substantial beginning to the ongoing development of the QCI Herbarium. The care taken in collecting, preserving and documenting the specimens has, I feel, set a precedent for future collections.

Figure 1. Localities sampled

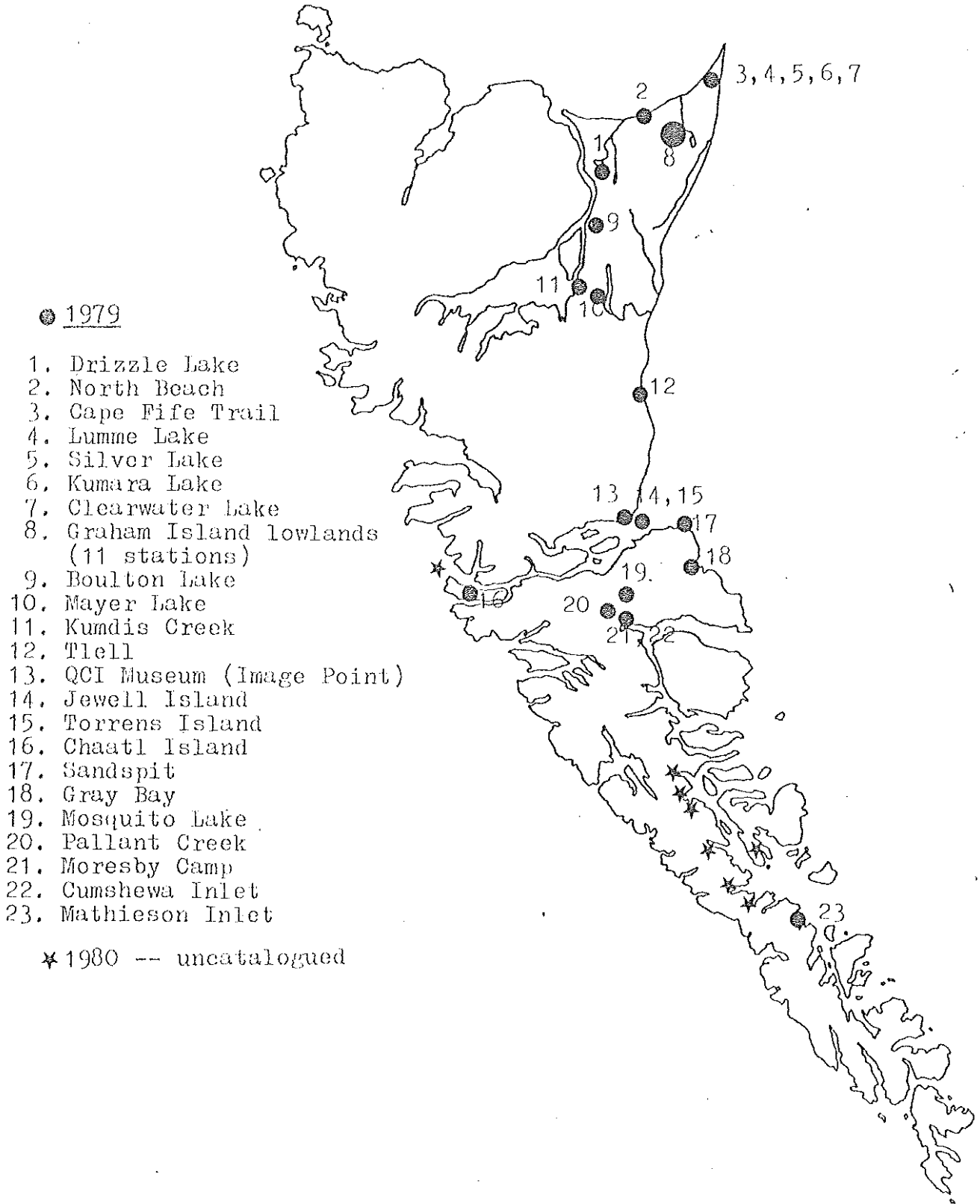


Table 1. Species List, QCI Herbarium. Unbracketed numbers refer to localities as in Figure 2. Brackets indicate collector and catalogued collection number. SD = Sheila Douglas, MM = Mary Morris. MM collection uncatalogued. * = adventive.

Equisetaceae

Equisetum telmateia Ehrh. 21 (MM)

Lycopodiaceae

Lycopodium clavatum L. 21 (MM)
L. selago L. ssp. miyoshianum (Makino) Cald. & Tayl. 16 (SD127)
L. selago L. ssp. patens (Beauv.) Cald. & Tayl. 21 (MM)

Selaginellaceae

Selaginella selaginoides (L.) Link 1 (SD59)

Polypodiaceae

Adiantum pedatum L. ssp. aleuticum (Rupr.) Cald. & Tayl. 16 (SD120)
 21 (MM)
Athyrium filix-femina L. (Roth.) ssp. cyclosorum (Rupr.) C. Chr. 21
Blechnum spicant (L.) With. 1 (SD13), 21 (MM) (MM)
Dryopteris austriaca (Jacq.) Woynar 21 (MM)
Gymnocarpium dryopteris (L.) Newman 21 (MM)
Polypodium vulgare L. ssp. occidentale (Hook.) Hult. 21 (MM)
Polystichum munitum (Kaulf.) Presl 21 (MM)

Cupressaceae

Thuja plicata D. Don 21 (MM)

Zosteraceae

Phyllospadix scouleri Hook. 16 (SD131)

Juncaginaceae

Triglochin maritimum L. 11 (SD111)

Graminae

- Agrostis alba L. 11 (SD114)
A. exarata Trin. 21 (MM)
Bromus sitchensis Trin. 22 (MM)
Calamagrostis nutkaensis (Presl) Steud. 1 (SD116), 1 (SD117)
Deschampsia caespitosa (L.) Beauv. ssp. beringensis (Hult.)
 Lawr. 11 (SD115)
Elymus mollis Trin. 21 (MM)
Festuca rubra L. 11 (SD113)
 *Holcus lanatus L. 21 (MM)
Hordeum brachyantherum Nevski 11 (SD112)

Cyperaceae

- Carex kelloggii W. Boott. (MM)
C. lyngbyei Hornem. (MM)
C. obnupta Bailey 1 (SD30), 6 (SD27)
C. pluriflora Hult. 1 (SD11), 4 (SD26)
C. sitchensis Prescott 10 (SL37)
Eriophorum chamissonis C.A. Meyer ex Ledeb. 4 (SD25)
Rhynchospora alba L. 1 (SD119)
Scirpus cespitosus L. 1 (SD28), 9 (SD18)
S. subterminalis Torr. 9 (SD132)

Juncaceae

- Juncus arcticus Willd. ssp. ater (Rydb.) Hult. (MM)
 *J. bufonius L. (MM)
J. effusus L. var. pacificus Fern. & Wieg. 21 (MM)
J. ensifolius Wikstr. (MM)
J. falcatus E. Meyer 1 (SD96)
J. filiformis L. 1 (SD57)
J. nevadensis Watson 1 (SD109)
J. oregonus S. Wats. 1 (SD118)
Luzula parviflora (Ehrh.) Desv. 21 (MM)

Liliaceae

- Fritillaria camschatcensis (L.) Ker-Gawl 13 (SD43), 22 (MM)
Maianthemum dilatatum (Wood) Nelson & Macbr. 13 (SD38),
 22 (MM)
Tofieldia glutinosa (Michx.) Pers. 1 (SD93), 7 ()
Veratrum eschscholtzii A. Gray 20 (MM)

Iridaceae

- Sisyrinchium littorale Greene 15 (SD52), 22 (MM)

Orchidaceae

- Calypso bulbosa (L.) Oakes ssp. occidentalis (Holz.) Cald.
& Tayl. 1 (SD9)
Listera caurina Piper 11 (SD101)
L. cordata (L.) R. Br. 1 (SD12), 8 (SD71), 11 (SD100)

Myricaceae

- Myrica gale L. 8 (SD76)

Betulaceae

- Alnus rubra Bong. 21 (EM)

Polygonaceae

- Polygonum fowleri B.L. Robinson 21 (EM)
*P. polystachyum Wall. (EM)
*Rumex acetosella L. 13 (SD41), 21 (EM)
*R. crispus L. 21 (EM)
R. occidentalis S. ats. 21 (EM)

Chenopodiaceae

- Salicornia pacifica Standley 22 (EM)

Portulacaceae

- Montia siberica (L.) Howell 8 (SD65), 11 (SD105)

Caryophyllaceae

- *Cerastium vulgatum L. (EM)
Sagina maxima A. Gray 14 (SD55), 16 (SD125)
*Spergula arvensis L. (EM)
Stellaria humifusa Rottb. 11 (SD107)

Nymphaeaceae

- Nuphar luteum (L.) Sibth. & Sm. ssp. polysepalum (Engelm.)
1 (SD108), 8 (SD66)

Ranunculaceae

- Aquilegia formosa Fisch. 22 (MM)
Coptis asplenifolia Salisb. 1 (SD32)
C. trifolia (L.) Salisb. 1 (SD8)
*Ranunculus acris L. (MM)
R. orthorhynchus Hook. (MM)
*R. repens L. 22 (MM)

Cruciferae

- Barbarea orthoceras Ledeb. (MM)
Cakile edentula (Bigel.) Hook. 18 (MM)
Cardamine pensylvanica Muhl. ex Willd. 2 (SD23), 19 (MM)

Droseraceae

- Drosera rotundifolia L. 7 (MM), 8 (SD69)

Crassulaceae

- Sedum divergens S. Wats. 13 (SD42), 22 (MM)

Saxifragaceae

- Heuchera glabra Willd. 16 (SD128)
Ribes bracteosum Dougl. 21 (MM)
R. lacustre (Pers.) Poir. 21 (MM)
Saxifraga ferruginea Grah. 14 (SD40), 14 (SD54)
S. oppositifolia L. 16 (SD124)
Tiarella trifoliata L. 11 (SD106), 21 (MM)
Tolmiea menziesii (Pursh) T. & G. 21 (MM)

Rosaceae

- Amelanchier florida Lindl. 22 (MM)
Fragaria chiloensis (L.) Duchesne ssp. lucida (E. Vilm.)
Staudt 17 (MM)
Geum macrophyllum Willd. (MM)
Potentilla pacifica Howell 11 (SD104)
P. villosa Pallas ex Pursh 13 (SD45), 14 (SD53), 22 (MM)
Rosa nutkana Presl. 22 (MM)
Rubus chamaemorus L. 1 (SD31)
R. parviflorus Nutt. 21 (MM)
R. spectabilis Pursh 21 (MM)
Sanguisorba officianalis L. ssp. microcephala (Presl.)
Cald. & Tayl. 7 (MM)

Leguminosae

- Lathyrus japonicus Willd. 22 (MM)
Lupinus nootkatensis Donn ex Sims 22 (MM)
*Trifolium dubium Sibth. 13 (SD46), 22 (MM)
*T. pratense L. 17 (MM)
T. wormskjoldii Lehm. 22 (MM)
Vicia gigantea Hook. 15 (SD49)

Geraniaceae

- *Geranium dissectum L. 13 (SD47)

Callitrichaceae

- Callitriche heterophylla Pursh 21 (MM)

Empetraceae

- Empetrum nigrum L. 7 (MM)

Violaceae

- Viola glabella Nutt. 20 (MM)

Onagraceae

- Circaea alpina L. 20 (MM)
Epilobium angustifolium L. 17 (MM)
E. delicatum Trel. 21 (MM)
E. glandulosum Lehm. 20 (MM), 21 (MM)

Araliaceae

- Oplopanax horridus (Sm.) Miq. 21 (MM)

Umbelliferae

- Heracleum lanatum Michx. 21 (MM)
Ligusticum scoticum L. ssp. hultenii (Fernald) Cald. &
Tayl. 21 (MM)
Lilaeopsis occidentalis Coult & Rose 1 (SD110)
Osmorhiza chilensis H. & A. 21 (MM)

Cornaceae

Cornus unalaschkensis Ledeb. 8 (SD87), 19 (MM)

Pyrolaceae

Monesis uniflora (L.) Gray ssp. reticulata (Nutt.) Cald.
& Tayl. 3 (SD21), 5 (SD20), 21 (MM)

Ericaceae

Andromeda polifolia L. 8 (SD4), 1 (SD7), 9 (SD15), 4 (SD19)
Gaultheria shallon Pursh 21 (MM), 22 (MM)
Kalmia polifolia Wang. 9 (SD17), 4 (SD22), 1 (SD29),
8 (SD63), 8 (SD74), 8 (SD89)
Ledum palustre L. ssp. groenlandicum (Oeder) Hult. 8 (SD61),
8 (SD79), 1 (SD95)
Loiseleuria procumbens (L.) Desv. 8 (SD3), 8 (SD5),
1 (SD6), 9 (SD16)
Menziesia ferruginea Smith 1 (SD33)
Vaccinium alaskense Howell 1 (SD2)
V. caespitosum Michx. 8 (SD77)
V. ovalifolium Smith 1 (SD1)
V. oxycoccus L. 1 (SD90), 8 (SD67)
V. parvifolium Smith 1 (SD10)
V. uliginosum L. 1 (SD94), 8 (SD78), 8 (SD 80)
V. vitus-idaea L. 1 (SD98)

Primulaceae

Dodecatheon jeffreyi Van Houtte 1 (SD56), 8 (SD64), 8 (SD86)
Glaux maritima L. (MM)
Trientalis europaea L. 8 (SD84), 10 (SD36), 23 (MM)

Gentianaceae

Gentiana douglasiana Bong. 1 (SD92), 8 (SD68), 8 (SD83)
Gentianella amarella L. 12 (MM)

Menyanthaceae

Fauria crista-galli (Menzies) Makino 8 (SD 88), 1 (SD97),
7 (MM)
Menyanthes trifoliata L. 9 (SD35), 1 (SD70), 8 (SD72)

Labiatae

- *Galeopsis tetrahit L. 21 (MM)
Prunella vulgaris L. 16 (SD121)

Scrophulariaceae

- Collinsia parviflora Dougl. ex Lindl. 15 (SD51)
Mimulus guttatus DC ssp. guttatus 15 (SD48), 22 (MM)
Veronica americana Schwein. ex Benth. (MM)
*V. serpyllifolia L. 2 (SD24)

Lentibulariaceae

- Pinguicula villosa L. 1 (SD58)
P. vulgaris L. ssp. macroceras (Link) Cald. & Tayl. 1 (SD60)
8 (SD62), 8 (SD73), 8 (SD82)

Plantaginaceae

- *Plantago lanceolata L. 21 (MM)
P. major L. 21 (MM)
P. maritima L. 13 (SD44), 11 (SD103), 21 (MM)

Rubiaceae

- Galium triflorum Michx. 16 (SD122), 16 (SD126), 21 (MM)

Caprifoliaceae

- Linnaea borealis L. ssp. longiflora Hult. 1 (SD99), 12 (MM)
Plectritis congesta (Lindl.) DC 21 (MM)
Sambucus racemosa L. ssp. pubens (Michx.) House 21 (MM)
Symphoricarpus albus 21 (MM)

Campanulaceae

- Campanula alaskana (A. Gray) Wight 16 (SD130), 17 (MM)

Compositae

- Achillea millefolium L. 13 (SD39), 11 (SD102), 21 (MM)

Compositae (cont.)

- Anaphalis margaritacea (L.) Benth. & Hook. 16 (SD123),
21 (MM)
Apargidium boreale (Bong.) T. & G. 1 (SD91), 8 (SD85)
*Arctium minus (Hill) Benth. 17 (MM)
*Cirsium vulgare (Savi) Airy-Shaw 21 (MM)
*Gnaphalium uliginosum L. 21 (MM)
Grindelia integrifolia DC 22 (MM)
Hypochaeris radicata L. 21 (MM)
*Lactuca sp. 21 (MM)
*Senecio vulgaris (MM)
Solidago canadensis L. 17 (MM)
*Sonchus asper (L.) Hill (MM)