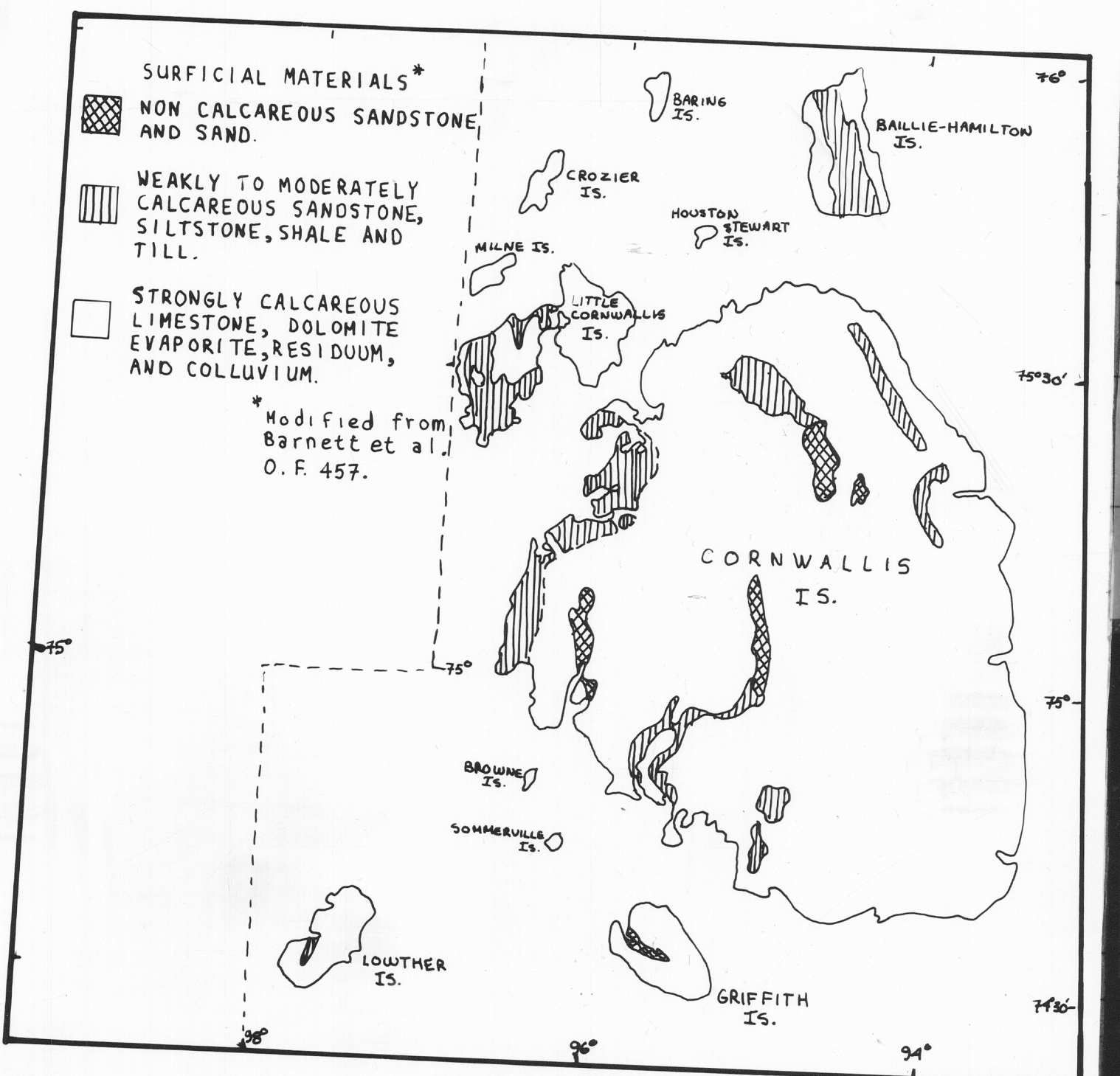
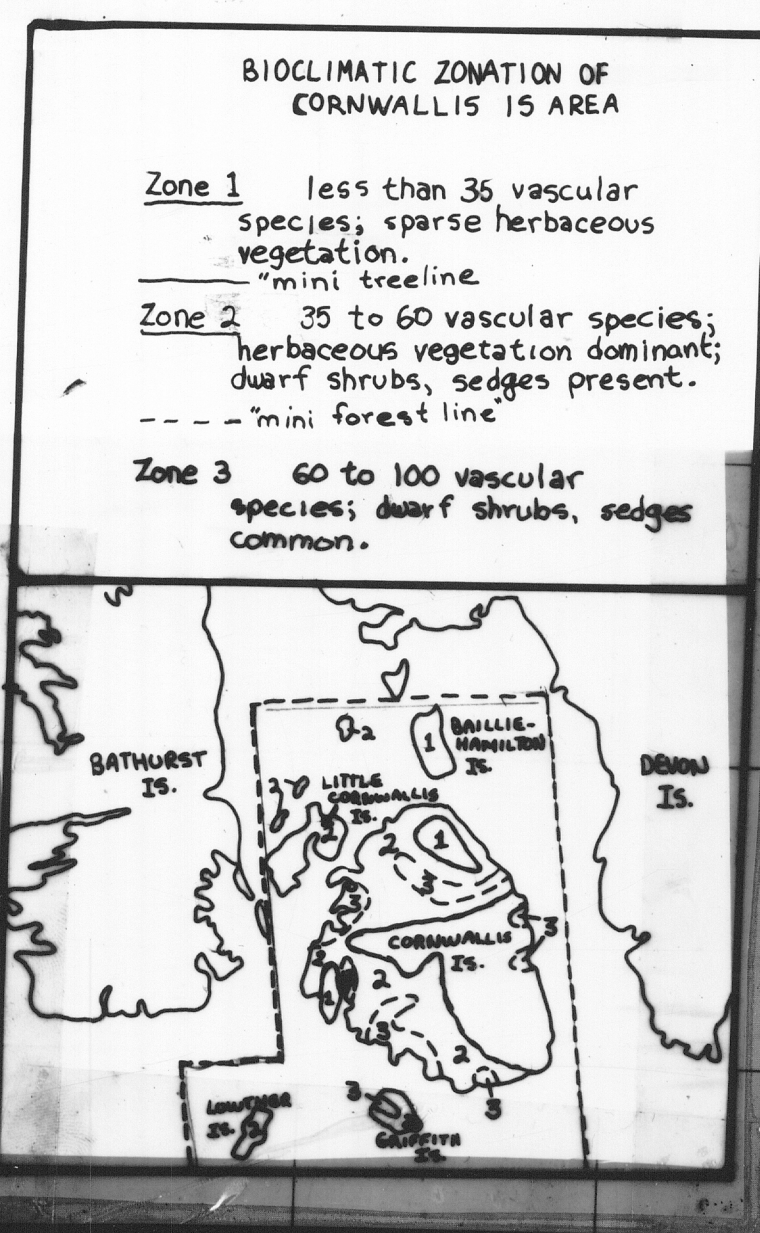
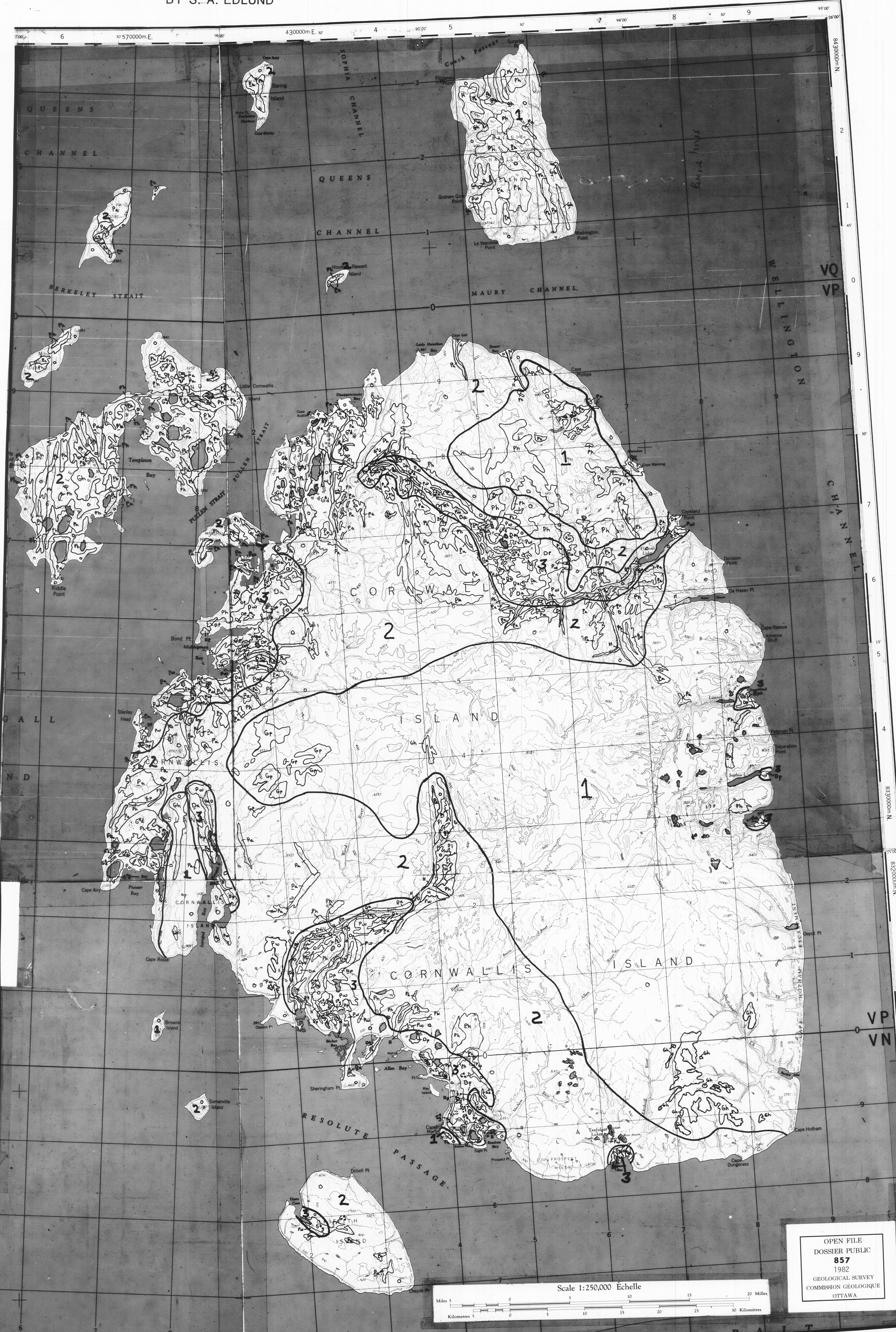


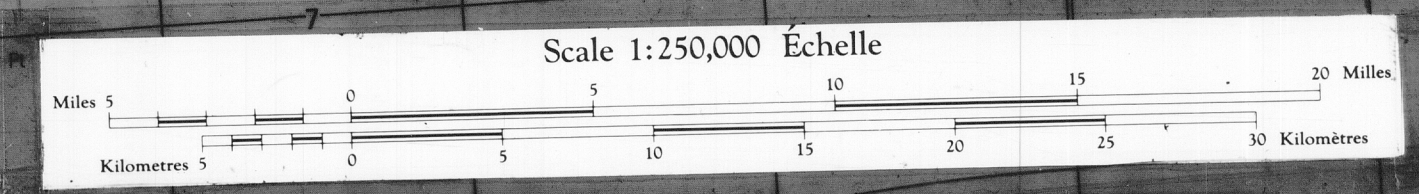
PLANT COMMUNITIES OF CORNWALLIS, LITTLE CORNWALLIS AND ASSOCIATED ISLANDS

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SYMBOL	PLANT COMMUNITIES	SURFICIAL MATERIALS	MOISTURE REGIME	BIOCLIMATIC ZONE
S*	SEDE-MOSS MEADOW COMMUNITIES: Upper stratum dominated by Cyperaceae (10-50) esp. <i>Carex stans</i> and <i>Scirpus</i> species; abundant grass associates; Lower stratum continuous dense bryophytic mat of <i>Drepanocladus</i> , <i>Halimolobos</i> , <i>Distichum</i> , <i>Tomentothymum</i> and Bryaceae; lichens rare. S g SEDGE AND GRASS MEADOW: Cyperaceae 10-25; <i>Alopecurus alpinus</i> ; <i>Dugontia</i> Fisher; common grass associates; dwarf shrubs absent.	Weakly to moderately calcareous materials with some fines	Poorly drained; abundant moisture throughout summer; often saturated. Edges of ponds and lakes, seepage slopes, centres or troughs of polygons.	3
G	GRASS-MOSS MEADOW COMMUNITIES: Upper stratum dominated by grasses (5-20); usually <i>Alopecurus alpinus</i> ; monocots common associates; dwarf shrubs absent. Lower stratum similar to S*, however <i>Drepanocladus</i> not as abundant. G s GRASS AND SEDGE MEADOW: <i>Alopecurus</i> and <i>Dugontia</i> dominate upper stratum (10-20); <i>Carex stans</i> common associate (2-5). G d ALOPECURUS AND DUPONTIA MEADOW: Similar to G's but Cyperaceae absent. G* ALOPECURUS MEADOW: Upper stratum almost all <i>Alopecurus alpinus</i> (less than 10); local <i>Phlox</i> <i>sp.</i> ; bryophytic mat thinner, commonly composed of chemopeltous mosses.	Weakly to moderately calcareous materials with some fines	Poorly drained; abundant moisture throughout summer; often saturated. Edges of ponds and lakes, seepage slopes, centres or troughs of polygons.	3 2;3 2;1
B	GRASS-PATINA TUNDRA: Upper stratum dominated by grasses, mainly <i>Alopecurus alpinus</i> (5-15); a variety of dwarf shrub and herb associates may be present. Lower stratum predominantly patina (20-50) with bryophytes in cracks and depressions; cover is rarely continuous. Bp GRASS AND PURPLE SAKIFRAGE TUNDRA: <i>Alopecurus alpinus</i> (10-15); <i>Saxifraga oppositifolia</i> common associate; calciphilic herbs common. (See B for list) Bn GRASS AND HERB TUNDRA: <i>Alopecurus</i> less than 10; but dominant; a variety of herbs, with no associates present (less than 5).	Weakly to moderately calcareous silty, clayey material Weakly calcareous and non calcareous silts and clays	Imperfectly to poorly drained materials, generally moisture available at depth throughout	2, 1 1;2
G	GRASS BARRENS: Upper stratum sparsely vegetated (less than 10) dominated by <i>Alopecurus alpinus</i> and to a lesser extent by <i>Puccinellia</i> , <i>Poa</i> and <i>Festuca</i> ; a variety of herbs may be present. Dwarf shrubs generally absent. Lower stratum generally absent; local foliose and fruticose lichens. Gp GRASS AND PURPLE SAKIFRAGE BARRENS: <i>Saxifraga oppositifolia</i> common associate (less than 5); calciphilic herbs present. Gn GRASS-HERB BARRENS: <i>Alopecurus</i> dominates (less than 10); herbs with no strong associates present (less than 5); also includes <i>Alopecurus</i> in near monoculture.	Silts and clays, silty diamicton Weakly to moderately calcareous silts and clays Silt and clay, generally non calcareous or weakly calcareous		2; 1 2, 1
D	DWARF SHRUB TUNDRA: <i>Bryas</i> <i>intergrifolia</i> and <i>Salix arctica</i> dominate upper stratum (15-50); calciphilic herbs present and vary in importance; <i>Poa</i> , <i>Arenaria</i> , <i>Sparganium</i> , <i>Brya</i> , <i>Parrya</i> , <i>Saxifraga oppositifolia</i> . Lower stratum patina (20-50) with mosses in cracks, depressions and associated with shrub branches. Dp DWARF SHRUB AND PURPLE SAKIFRAGE TUNDRA: <i>Saxifraga oppositifolia</i> most common associate (5); local <i>Geum rossii</i> , <i>Oxytropis</i> , <i>Astragalus</i> , <i>Potentilla veridiana</i> , <i>P. multibellus</i> as herb associates as well. (2-5). Dn DWARF SHRUB AND ALOPECURUS TUNDRA: <i>Alopecurus</i> most common associate (5); <i>Purple Saxifrage</i> , <i>Carex nardina</i> and <i>C. misandra</i> also present (to 5).	Weakly to moderately calcareous sand and gravel often gravel knobs Weakly to moderately calcareous silty sand and silty sand diamicton	Imperfectly drained; moderately drained at depth, even when surface is dry in late summer	3 3
D	DWARF SHRUB BARRENS: <i>Bryas</i> <i>intergrifolia</i> and <i>Salix arctica</i> dominate upper stratum (15-25); calciphilic herbs (see D) present. Lower stratum absent or restricted foliose and fruticose lichens and tufts of moss (generally associated with dwarf shrub branches). Dp DWARF SHRUB AND PURPLE SAKIFRAGE BARRENS: <i>Saxifraga oppositifolia</i> common associate (5) as calciphilic herbs. Dn DWARF SHRUB AND ALOPECURUS BARRENS: <i>Alopecurus</i> and to lesser extent <i>Carex</i> sp. present as well as calciphilic herbs.	Weakly to moderately calcareous sand and gravel, often gravel knobs Weakly to moderately calcareous silty sand, usually silty sand diamicton	Well drained; briefly wet at summit but drain rapidly. Surface dry in late summer. Lower layer may have some moisture during summer	3 3
P	PURPLE SAKIFRAGE-PATINA TUNDRA: <i>Saxifraga oppositifolia</i> dominates the upper stratum (5-15); dwarf shrubs and herbs, especially calciphilic species common associates. (See D) Lower stratum predominantly patina with bryophytes in cracks and depressions. (20-50) Pp PURPLE SAKIFRAGE AND WILLOW TUNDRA: Dwarf willow and possibly <i>Bryas</i> common associate to 5. Pn PURPLE SAKIFRAGE AND ALOPECURUS TUNDRA: <i>Alopecurus</i> is common associate (to 5). Dwarf shrubs generally absent. Pd PURPLE SAKIFRAGE AND HERB TUNDRA: no clear important associates. Herbs total 5.	Weakly to moderately calcareous sand and gravel Weakly to moderately calcareous silty sand Weakly to moderately calcareous sand and gravel, silty sand	Only moderately drained at depth even when surface is dry in late summer. Protective snow in winter	3; 2 2; locally 3; 1 1; 2
P	PURPLE SAKIFRAGE BARRENS: <i>Saxifraga oppositifolia</i> dominates the upper stratum (5-15). Dwarf shrubs may be present; herbs include many calciphilic species. Lower stratum absent or consists of sporadic lichens and tufts of mosses. Pw PURPLE SAKIFRAGE AND WILLOW BARRENS: Dwarf shrubs, usually <i>Salix arctica</i> , common associate (to 5) Pn PURPLE SAKIFRAGE AND ALOPECURUS BARRENS: <i>Alopecurus</i> common associate (to 5). Lower stratum generally absent. Pd PURPLE SAKIFRAGE AND LIZULA BARRENS: <i>Lizula</i> common associate (to 5) Pp PURPLE SAKIFRAGE AND HERB BARRENS: No clear dominants among herb associates, total herbs (5)	Weakly to moderately calcareous sand and gravel Weakly to moderately calcareous sand and gravel non calcareous sand and gravel with a major Fe component Weakly to moderately calcareous sand and gravel	Well drained materials; briefly wet at summit rapidly draining as active layer deepens. Upper layer usually dry in late summer	3; 2 2; 1 2; 1 1; 2
H	HERB BARRENS: Upper stratum shows no clear dominance among herbs though total generally approaches 5. Typically <i>Juncaceae</i> , <i>Gramineae</i> , <i>Caryophyllaceae</i> , <i>Cruciferae</i> , <i>Papaver</i> , <i>Oxyria</i> , <i>Saxifragaceae</i> . Dwarf shrubs, sedges absent. Lower stratum generally absent.	Sand and gravel, silty gravelly both calcareous and non calcareous; generally recent alluvium	Imperfectly to well drained materials	1 generally all zones



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