

Table 2. List of vegetation communities and microsites samples in 1989.

<u>Plot No.</u>	<u>Plant community</u>	<u>Microsite</u>
SWT-1	Moist <i>Carex membranacea</i> , <i>Carex scirpoidea</i> , <i>Salix chamissonis</i> , <i>S. reticulata</i> , <i>Potentilla fruticosa</i> sedge, dwarf-shrub, forb tundra	Featureless active floodplain
SWT-2	Moist <i>Salix alaxensis</i> , <i>Aster sibirica</i> , <i>Calamagrostis canadensis</i> , <i>Potentillafruticosa</i> tall shrubland	Featureless active floodplain
SWT-3	Dry <i>Betula nana</i> , <i>Ledum palustre ssp. decumbens</i> , <i>Hierochloë alpina</i> , <i>Cladonia arbuscula</i> dwarf-shrub, lichen tundra	Small turf hummocks on footslope
SWT-4	Aquatic <i>Arctophila fulva</i> marsh	Lake, in 20 - 30 cm of water
SWT-5	Dry <i>Arctous alpina</i> , <i>Hierochloë alpina</i> dwarf-shrub, fruticose-lichen tundra	High centered polygons on top of glacial outwash terrace
SWT-6	Dry <i>Betula nana</i> , <i>Hierochloë alpina</i> , <i>Cetraria cucullata</i> low-shrub, fruticose-lichen tundra	High centered polygons on glacial outwash terrace
SWT-7	Dry <i>Dryas octopetala</i> , <i>Selaginella sibirica</i> , <i>Thamnolia subuliformis</i> dwarf-shrub, fruticose-lichen tundra	Featureless. hill crest of outwash terrace
SWT-8	Dry <i>Empetrum nigrum</i> , <i>Betula nana</i> , <i>Vaccinium uliginosum</i> , <i>Loiseleuria procumbens</i> , <i>Cladonia arbuscula</i> , <i>Stereocaulon alpinum</i> dwarf-shrub, fruticose-lichen tundra	Small hummocks and solifluction features on mid slope
SWT-9	Dry <i>Cassiope tetragona</i> , <i>Dryas integrifolia</i> , <i>Hylocomium splendens</i> , <i>Carex microchaeta</i> , <i>Salix glauca</i> , <i>Cetraria cucullata</i> dwarf-shrub, fruticose-lichen tundra	Snowbed, hummocky terrain, including turf hummocks and some solifluction features on footslope
SWT-10	Moist <i>Carex bigelowii</i> , <i>Cassiope tetragona</i> , <i>Equisetum arvense</i> , <i>Dryas integrifolia</i> , <i>Hylocomium splendens</i> , <i>Tomenthypnum nitens</i> sedge, horse-tail, dwarf-shrub tundra	Stone stripes on footslope
SWT-11	Wet <i>Carex chordorrhiza</i> , <i>Carex rotundata</i> , <i>Scorpidium scorpioides</i> sedge tundra	Wet element of strangmoor in fen of colluvial basin
SWT-12	Wet <i>Carex aquatilis</i> , <i>Eriophorum angustifolium</i> , <i>Carex rotundata</i> sedge tundra	Strangmoor and aligned hummocks in fen of colluvial basin
SWT-13	Wet <i>Eriophorum angustifolium</i> , <i>Carex rotundata</i> , <i>Carex aquatilis</i> sedge tundra	Featureless margin of a small pond in colluvial basin
SWT-14	Moist <i>Trichophorum caespitosum</i> , <i>Tomenthypnum nitens</i> sedge tundra	Strangmoor and aligned hummocks in fen of colluvial basin
SWT-15	Wet <i>Carex chordorrhiza</i> , <i>Carex rotundata</i> sedge tundra	Wet element of strangmoor and aligned hummocks in fen of colluvial basin
SWT-16	Moist <i>Carex membranacea</i> , <i>Salix reticulata</i> , <i>Dodecatheon jrigida</i> sedge, dwarf-shrub, forb tundra	Turf hummocks and solifluction features on footslope at lake margin
SWT-17	Moist <i>Poa glauca</i> , <i>Epilobium angustifolium</i> grass, forb tundra	Ground squirrel dens on hill crest
SWT-18	Dry <i>Dryas octopetala</i> , <i>Carex rupestris</i> , <i>Pertusaria</i> sp. dwarf-shrub, crustose-lichen tundra	Featureless hill crest of moraine
SWT-19	Dry <i>Vaccinium uliginosum</i> , <i>Loiseleuria procumbens</i> , <i>Ledum palustre ssp. decumbens</i> , <i>Betula nana</i> , <i>Cetraria cucullata</i> dwarf-shrub, fruticose-lichen tundra	Snowbed, featureless shoulder of moraine

SWT-20	Dry <i>Cassiope tetragona</i> , <i>Dryas integrifolia</i> , <i>Geum glaciale</i> , <i>Cetraria cucullata</i> dwarf-shrub, fruticose-lichen tundra	Snowbed, hummocky terrain on lower backslope
SWT-21	Moist <i>Equisetum arvense</i> , <i>Carex bigelowii</i> , <i>Tomenthypnum nitens</i> , <i>Dryas integrifolia</i> horsetail, sedge tundra	Hummocky terrain with a few small water pits on toeslope
SWT-22	Moist <i>Eriophorum vaginatum</i> , <i>Dryas integrifolia</i> , <i>Salix reticulata</i> , <i>Tomenthypnum nitens</i> tussock-sedge, dwarfshrub tundra	Hummocky terrain, including turf hummocks on lower backslope
SWT-23	Moist <i>Carex bigelowii</i> , <i>Dryas integrifolia</i> , <i>Salix reticulata</i> , <i>Tomenthypnum nitens</i> sedge, dwarf-shrub tundra	Hummocky terrain with solifluction features on sideslope
SWT-24	Moist <i>Equisetum arvense</i> , <i>Carex bigelowii</i> , <i>Dryas integrifolia</i> , <i>Tomenthypnum nitens</i> horsetail, sedge, dwarf-shrub tundra	Solifluction features on lower part of backslope
SWT-25	Moist <i>Eriophorum vaginatum</i> , <i>Salix planifolia ssp.pulchra</i> , <i>Betula nana</i> , <i>Sphagnum rubellum</i> tussocksedge, dwarf-shrub tundra	Hummocky terrain, including turf hummocks on footslope
SWT-26	Moist <i>Eriophorum vaginatum</i> , <i>Betula nana</i> , <i>Sphagnum</i> sp. tussock-sedge, dwarf-shrub tundra	Hummocky terrain, including turf hummocks on midslope
SWT-27	Wet <i>Eriophorum angustifolium</i> , <i>Sphagnum</i> sp., <i>Salix planifolia ssp.pulchra</i> sedge, low-shrub tundra	Well defined hill slope water track with hummocks on midslope
SWT-28	Moist <i>Salix lanata</i> , <i>Carex aquatilis</i> , <i>Valeriana capitata</i> , <i>Drepanocladus uncinatus</i> low shrubland	Active floodplain of small stream
SWT-29	Wet <i>Carex aquatilis</i> , <i>Eriophorum angustifolium</i> , <i>Drepanocladus</i> sp. sedge tundra	Featureless drained lake margin
SWT-30	Aquatic <i>Arctophila julva</i> grass marsh	Lake margin in 20 - 30 cm of water
SWT-31	Dry <i>Calamagrostis purpurascens</i> , <i>Poa glauca</i> , <i>Anemone drummondii</i> grass, forb tundra	Ground squirrel den on kame crest
SWT-32	Moist <i>Eriophorum vaginatum</i> , <i>Betula nana</i> , <i>Sphagnum rubellum</i> tussock-sedge, dwarf-shrub tundra	Inter-frost scar element on sideslope with hummocky terrain
SWT-33	Moist <i>Salix lanata</i> , <i>Carex membranacea</i> , <i>Potentilla fruticosa</i> , <i>Dodecatheon jrigida</i> low-shrub, sedge, forb tundra	Active floodplain of small stream
SWT-34	Moist <i>Carex podocarpa</i> , <i>Salix reticulata</i> , <i>Aconitum delphinifolium</i> sedge, forb tundra	Lake margin at footslope of hill with solifluction features
SWT-35	Dry <i>Luzula arctica</i> , <i>Juncus biglumis</i> barren	Frost scar element in tussock tundra
SWT-36	Moist <i>Betula nana</i> , <i>Rubus chamaemorus</i> , <i>Sphagnum</i> sp. low-shrub tundra.	Sloped margin of small water track
SWT-37	Wet <i>Carex chordorrhiza</i> , <i>Scorpidium scorpioides</i> , <i>Carex aquatilis</i> sedge tundra	Fen along small lake margin, wet element
SWT-38	Moist <i>Carex aquatilis</i> , <i>Dryas integrifolia</i> , <i>Tomenthypnum nitens</i> sedge, dwarf-shrub tundra	Fen along small lake margin, hummock element
SWT-39	Moist <i>Carex bigelowii</i> , <i>Dryas integrifolia</i> , <i>Salix reticulata</i> , <i>Tomenthypnum nitens</i> sedge, dwarf-shrub tundra	Lower backslope, with numerous non sorted stripes, inter-stripe element

SWT-40	Dry <i>Vaccinium uliginosum</i> , <i>Salix reticulata</i> , <i>Equisetum arvense</i> , <i>Astragalus umbellatus</i> , <i>Cetraria cucullata</i> dwarf-shrub, horsetail, fruticose-lichen tundra	Midslope, non sorted stone stripe element with frost scars
SWT-41	Moist <i>Carex bigelowii</i> , <i>Salix reticulata</i> , <i>Tomenthypnum nitens</i> , <i>Equisetum arvense</i> sedge, horsetail, dwarf-shrub tundra	Midslope, nonsorted stripe complex, inter-stripe element
SWT-42	Moist <i>Eriophorum vaginatum</i> , <i>Carex bigelowii</i> , <i>Salix reticulata</i> , <i>Tomenthypnum nitens</i> tussock-sedge, dwarfshrub tundra	Footslope with solifluction features
SWT-43	Moist <i>Carex bigelowii</i> , <i>Equisetum arvense</i> , <i>Dryas integrifolia</i> sedge, horsetail, dwarf-shrub tundra	Hummocky midslope, with turf hummocks
SWT-44	Dry <i>Dryas integrifolia</i> , <i>Cassiope tetragona</i> , <i>Oxytropis maydelliana</i> , <i>Cetraria cucullata</i> dwarf-shrub, fruticose-lichen tundra	Stripe element of sorted stone-stripe complex
SWT-45	Moist <i>Equisetum arvense</i> , <i>Carex bigelowii</i> , <i>Salix reticulata</i> , <i>Dryas integrifolia</i> , <i>Tomenthypnum nitens</i> horsetail, sedge, dwarf-shrub tundra	Interstripe element of sorted stone-stripe complex
SWT-46	Dry <i>Vaccinium uliginosum</i> , <i>Dryas octopetala</i> , <i>Cetraria cucullata</i> dwarf-shrub, fruticose-lichen tundra	Featureless hillcrest of glacial moraine
SWT-47	Dry <i>Dryas octopetala</i> , <i>Arnica alpina</i> , <i>Hierochloë alpina</i> , <i>Calamagrostis purpurascens</i> , <i>Oxytropis</i> sp. dwarfshrub, crustose-lichen tundra	Irregular hill crest relief on glacial moraine
SWT-48	Moist <i>Poa glauca</i> , <i>Bromus pumpellianus</i> , <i>Ranunculus pedatifidus</i> grass, forb tundra	Ground squirrel den on hill crest
SWT-49	Dry <i>Cassiope tetragona</i> , <i>Carex micro chaeta</i> , <i>Cladonia arbuscula</i> dwarf-shrub, fruticose-lichen tundra	Snowbed, upper backslope, hummocky terrain with some solifluction features
SWT-50	Moist <i>Cassiope tetragona</i> , <i>Boykinia richardsonii</i> , <i>Hylocomium splendens</i> dwarf-shrub, forb, moss tundra	Snowbed, lower backslope, with solifluction features
SWT-51	Moist <i>Salix rotundifolia</i> , <i>Hylocomium splendens</i> dwarfshrub, moss tundra	Snowbed, lower backslope, with solifluction features
SWT-52	Moist <i>Salix reticulata</i> , <i>Carex bigelowii</i> , <i>Equisetum arvense</i> dwarf-shrub, horsetail sedge tundra	Snowbed, footslope, with large solifluction features
SWT-53	Moist <i>Carex bigelowii</i> , <i>Dryas integrifolia</i> , <i>Hylocomium splendens</i> , <i>Salix planifolia</i> ssp. <i>pulchra</i> sedge, dwarf shrub tundra	Hummocky area with solifluction features on toeslope
SWT-54	Moist <i>Eriophorum vaginatum</i> , <i>Salix planifolia</i> ssp. <i>pulchra</i> , <i>Hylocomium splendens</i> , <i>Sphagnum rubellum</i> tussock-sedge, dwarf-shrub tundra	Hummocky terrain, including turf hummocks and some solifluction features on lower footslope
SWT-55	Wet <i>Carex aquatilis</i> , <i>Carex chorradorhiza</i> , <i>Carex rariflora</i> sedge tundra	Strangmoor and aligned hummocks in fen, in colluvial basin
SWT-56	Moist <i>Carex bigelowii</i> , <i>Eriophorum triste</i> , <i>Dryas integrifolia</i> , <i>Cetraria cucullata</i> sedge, dwarf-shrub tundra	Featureless, flat centered polygon on stabilized floodplain
SWT-57	Wet <i>Carex chorradorhiza</i> , <i>Carex rotundifolia</i> , <i>Carex aquatiUs</i> , <i>Scorpidium scorpioides</i> sedge tundra	Strangmoor and aligned hummocks in fen, in small colluvial basin
SWT-58	Moist <i>Carex aquatilis</i> , <i>Carex rariflora</i> , <i>Salix fuscescens</i> sedge, dwarf-shrub tundra	Strangmoor and aligned hummocks in fen, in small colluvial basin
SWT-59	Dry <i>Salix glauca</i> , <i>Potentilla fruticosa</i> low-shrub tundra	Rocky sideslope of kame

SWT-60	Dry <i>Dryas octopetala</i> , <i>Artemisia arctica</i> , <i>Kobresia myosuroides</i> , <i>Arnica alpina</i> dwarf-shrub, forb tundra	Rocky sideslope of kame
SWT-61	Moist <i>Salix glauca</i> , <i>Betula nana</i> , <i>Festuca altaica</i> low-shrub tundra	Featureless midslope of steep south-facing slope
SWT-62	Moist <i>Carex membranacea</i> , <i>Dodecatheon frigida</i> , <i>Salix reticulata</i> sedge, forb, dwarf-shrub tundra	Featureless lake margin
SWT-63	Dry <i>Salix phlebophylla</i> , <i>Vaccinium vitis-idaea</i> , <i>Cetraria cucullata</i> dwarf-shrub, fruticose-lichen tundra	Featureless glacial outwash terrace
SWT-64	Dry <i>Juncus biglumis</i> , <i>Luzula arctica</i> barren	Backslope, frost scar
SWT-65	Dry <i>Vaccinium vitis-idaea</i> , <i>Hierochloë alpina</i> , <i>Cladonia arbuscula</i> dwarf-shrub, fruticose-lichen tundra	Featureless glaciofluvial outwash terrace
SWT-66	Dry <i>Betula nana</i> , <i>Hierochloë alpina</i> , <i>Cladonia arbuscula</i> low-shrub, fruticose-lichen tundra	Featureless glaciofluvial outwash terrace
SWT-67	Moist <i>Salix lanata</i> , <i>Salix planifolia</i> ssp. <i>pulchra</i> , <i>Calamagrostis canadensis</i> , <i>Rubus arcticus</i> low shrubland	Featureless glaciofluvial outwash terrace
SWT-68	Moist <i>Salix planifolia</i> ssp. <i>pulchra</i> , <i>Salix lanata</i> , <i>Calamagrostis canadensis</i> , <i>Potentilla fruticosa</i> , <i>Rubus arcticus</i> low shrub land	Irregular relief on stabilized floodplain
SWT-69	Dry <i>Vaccinium vitis-idaea</i> , <i>Vaccinium uliginosum</i> , <i>Calamagrostis inexpansa</i> , <i>Stereocaulon tomentosum</i> dwarf-shrub, fruticose-lichen tundra	Rocky glaciofluvial outwash terrace
SWT-70	Dry <i>Betula nana</i> , <i>Hierochloë alpina</i> , <i>Cladonia arbuscula</i> low-shrub, fruticose-lichen tundra	Featureless glaciofluvial outwash terrace
SWT-71	Dry <i>Aretous alpina</i> , <i>Hierochloë alpina</i> dwarf-shrub, fruticose-lichen tundra	Featureless glaciofluvial outwash terrace
SWT-72	Wet <i>Carex aquarilis</i> , <i>Eriophorum angustifolium</i> sedge tundra	Featureless lake margin
SWT-73	Moist <i>Eriophorum vaginatum</i> , <i>Betula nana</i> , <i>Hylocomium splendens</i> tussock-sedge, dwarf-shrub tundra	Inter frost-scar element, midslope with tussock tundra
SWT-74	Dry <i>Luzula arctica</i> , <i>Juncus biglumis</i> gray liverwort barren	Frost scar element midslope
SWT-75	Moist <i>Betula nana</i> , <i>Rubus chamaemorus</i> , <i>Hylocomium splendens</i> low-shrub tundra	Featureless water track margin on sideslope
SWT-76	Squirrel dens on kame	Featureless crest of kame
SWT-77	Moist <i>Carex bigelowii</i> , <i>Salix lanata</i> , <i>Betula nana</i> , <i>Hylocomium splendens</i> sedge, low-shrub tundra	Solifluction features on footslope, with merging into colluvial basin
SWT-78	Wet <i>Salix planifolia</i> ssp. <i>pulchra</i> , <i>Rubus chamaemorus</i> , <i>Sphagnum</i> sp. low shrubland	Well-developed hillslope water track with hummocks
SWT-79	Moist <i>Salix planifolia</i> ssp. <i>pulchra</i> , <i>Rubus chamaemorus</i> , <i>Sphagnum rubellum</i> , <i>Sphagnum</i> spp. low shrubland	Well-developed hillslope water track
SWT-80	Dry <i>Juncus biglumis</i> , <i>Luzula arctica</i> barren	Frost scar in tussock tundra
SWT-81	Moist <i>Salix planifolia</i> ssp. <i>pulchra</i> , <i>Carex bigelowii</i> , <i>Ledum palustre</i> ssp. <i>decumbens</i> , <i>Hylocomium splendens</i> , <i>Sphagnum rubellum</i> dwarf-shrub, sedge tundra	Solifluction features and hummocks, hill toeslope