

Table 2. List of vegetation communities and sites sampled in 1994.

Relevé no	Plant Community	Site
HV-1	Dry <u>Dryas integrifolia</u> , <u>Arctous rubra</u> , <u>Salix glauca</u> , <u>Lupinus arcticus</u> dwarf-shrub, forb tundra	Fluvial terrace between runway and road.
HV-2	Dry <u>Dryas integrifolia</u> , <u>Lupinus arcticus</u> , <u>Rhododendron lapponicum</u> , <u>Cetraria cucullata</u> dwarf-shrub tundra	Fluvial terrace, nearer to road than runway.
HV-3	Aquatic <u>Comarum palustre</u> , <u>Sparganium hyperboreum</u> , <u>Calliergon giganteum</u> forb marsh	Small pond, 100 m east of Dalton highway, just north of Happy Valley camp.
HV-4	Moist <u>Alnus viridis</u> , <u>Salix lanata</u> , <u>Equisetum arvense</u> , <u>Climacium dendroides</u> low-shrub tundra	Floodplain, 150 m west of runway near Happy Valley camp.
HV-5	Moist <u>Alnus viridis</u> , <u>Salix lanata</u> , <u>Vaccinium vitis-idaea</u> low shrubland (riparian)	Floodplain on creek, very shrubby, 200 m west of runway, bottom of hill below road.
HV-6	Dry <u>Dryas integrifolia</u> , <u>Lupinus arcticus</u> , <u>Tomentypnum nitens</u> dwarf-shrub, forb tundra	Fluvial terrace 100 m west of runway across Dalton highway from Happy Valley camp.
HV-7	Dry <u>Epilobium latifolium</u> , <u>Hedysarum alpinum</u> , <u>Salix alaxensis</u> forb, barren tundra	Rocky river bar.
HV-8	Dry <u>Castilleja caudata</u> , <u>Hedysarum alpinum</u> , forb, barren tundra	Rocky floodplain.
HV-9	Wet <u>Carex saxatilis</u> , <u>Carex aquatilis</u> graminoid meadow	Edge of pond by gravel pad.
HV-10	Dry <u>Dryas integrifolia</u> , <u>Arctous rubra</u> , <u>Rhododendrom lapponicum</u> , <u>Lupinus arcticus</u> dwarf-shrub, forb tundra	Fluvial terrace, near old camp.
HV-11	Dry <u>Salix alaxensis</u> , <u>Shepherdia canadensis</u> , <u>Arctous rubra</u> tall shrubland (riparian)	Tall shrub floodplain with stabilized alluvium.
HV-12	Wet <u>Salix planifolia</u> , <u>Petasites frigidus</u> , <u>Equisetum arvense</u> low-shrub tundra	Water track on shoulder of bluff overlooking Sagavanirktok river, 2 km south of camp.
HV-13	Moist <u>Salix glauca</u> , <u>Salix lanata</u> , <u>Arctous rubra</u> , <u>Lupinus arcticus</u> , <u>Hylocomium splendens</u> forb, low-shrub tundra	Bluff overlooking Sagavanirktok river, 0.5 km north of access road, 2 km south of camp.

- HV-14 Dry Salix alaxensis, Castilleja caudata,  
Hedysarum alpinum low-shrub, forb  
tundra Rocky floodplain of Sagavanirktok river.  
0.5 km north of access road,  
2 km south of camp.
- HV-15 Moist Salix lanata, Salix glauca, Arctous rubra  
Abietinella abietina low-shrub tundra Bluff overlooking Sagavanirktok river, north  
of access road, 2 km south of camp.
- HV-16 Dry Castilleja caudata, Hedysarum alpinum,  
Salix alaxensis forb tundra Rocky floodplain on Sagavanirktok river,  
north of access road, near Peregrine nest, 2  
km south of camp.
- HV-17 Moist Tomentypnum nitens, Dryas integrifolia,  
Cassiope tetragona, Lupinus arcticus,  
dwarf-shrub, forb tundra (snowbed) Snowbed on bluff overlooking Sagavanirktok  
river, south of access road.
- HV-18 Moist Salix alaxensis, Salix lanata,  
Tomentypnum nitens, Equisetum arvense,  
Hedysarum alpinum low-shrub tundra Floodplain, south of access road, stablized  
soil.
- HV-19 Dry Salix glauca, Arctous rubra, Festuca altaica,  
Hedysarum alpinum, Abietinella abietina  
shrubland River bluff overlooking Sagavanirktok river,  
south of access road.
- HV-20 Moist Sphagnum sp. Hylocomium splendens,  
Eriophorum vaginatum, Betula nana tussock-  
graminoid, dwarf-shrub tundra South hill crest of toposequence, 1 km north  
of Happy Valley camp.
- HV-21 Moist Hylocomium splendens, Carex bigelowii,  
Eriophorum vaginatum, Salix planifolia tussock-  
graminoid, dwarf-shrub tundra South shoulder of toposequence, 1 km north  
of Happy Valley camp.
- HV-22 Moist Cassiope tetragona, Dryas integrifolia, Salix  
glauca, Betula nana, Vaccinium uliginosum,  
Drepanocladus sp., Hylocomium splendens,  
Ptilidium ciliare dwarf-shrub tundra Side slope of north-facing toposequence,  
1 km north of camp- snowbed.
- HV-23 Moist Tomentypnum nitens, Dryas integrifolia,  
Equisetum arvense, Salix glauca horsetail, low-  
shrub tundra Foot slope on north-facing toposequence,  
1 km from Happy Valley camp.
- HV-24 Moist Salix lanata, Equisetum arvense, Petasites  
frigidus, Dodecatheon frigidum, Climacium  
dendroides low-shrub tundra (riparian) Toeslope of toposequence, 1 km north of  
Happy Valley camp.
- HV-25 Moist Salix planifolia, Betula nana, Petasites  
frigidus, Sphagnum squarrosum low-shrub  
tundra (riparian) Shrubby floodplain, north of creek, south-  
facing toposequence 1 km west of Happy  
Valley camp.

- HV-26 Moist Eriophorum vaginatum, Betula nana, Ledum palustre, Sphagnum girgensohnii tussock-graminoid, dwarf-shrub tundra  
Foot slope, south-facing toposequence, 1 km north of Happy Valley camp, 400 m west of Dalton Highway.
- HV-27 Moist Betula nana, Salix planifolia, Eriophorum vaginatum, Sphagnum angustifolium, Aulacomnium turgidum dwarf-shrub, tussock-graminoid tundra  
Side slope of south-facing toposequence 1 km north of Happy Valley camp, 400 m from Dalton Highway.
- HV-28 Moist Eriophorum vaginatum, Betula nana, Salix planifolia, Aulacomnium turgidum, Hylocomium splendens, Sphagnum sp. dwarf-shrub, tussock-graminoid tundra  
Side slope of south-facing toposequence, 1 km north of Happy Valley camp, 400 m from Dalton Highway.
- HV-29 Moist Eriophorum vaginatum, Betula nana, Salix planifolia, Sphagnum sp., Aulacomnium turgidum tussock-graminoid, dwarf-shrub tundra  
South-facing toposequence 1 km north of Happy Valley, 400 m west of Dalton Highway.
- HV-30 Moist Carex bigelowii, Eriophorum vaginatum, Betula nana, Petasites frigidus, Arctagrostis latifolia, Hylocomium splendens, Sphagnum sp. tussock-graminoid, dwarf-shrub tundra  
Hill crest of south-facing toposequence, 1 km north of Happy Valley camp, 400 m west of Dalton Highway.
- HV-31 Moist Carex bigelowii, Tomentypnum nitens, Dryas integrifolia, Salix glauca, Cetraria cucullata graminoid, dwarf-shrub tundra  
Hillslope, 300 m west of Happy Valley camp, 25 m northwest of gridpoint 7671900N, 426800E.
- HV-32 Moist Eriophorum vaginatum, Betula nana, Ledum palustre ssp. decumbens, Sphagnum angustifolium, tussock-graminoid, dwarf-shrub tundra  
Water-track transect on top of hill, 500 m southwest of Happy Valley camp.
- HV-33 Moist Betula nana, Rubus chamaemorus, Ledum palustre ssp. decumbens, Sphagnum sp. dwarf-shrub, moss tundra  
Hummocky area at east end of water track toposequence, 500 m southwest of Happy Valley camp.
- HV-34 Wet Eriophorum angustifolium, Betula nana, Sphagnum squarrosum graminoid, dwarf-shrub tundra  
Water-track in middle of water-track transect, 500 m south west of Happy Valley camp.
- HV-35 Moist Betula nana, Ledum palustre ssp. decumbens, Rubus chamaemorus, Aulacomnium turgidum dwarf-shrub tundra  
West side of water-track transect, raised portion west side of main drainage channel of water track, 500 m south west of Happy Valley camp.
- HV-36 Moist Salix planifolia, Betula nana, Sphagnum angustifolium, Sphagnum warnstorffii low-shrub tundra  
Water-track transect, west side of major drainage, 500 m southwest of Happy Valley camp.

- HV-37 Wet Carex aquatilis, Eriophorum angustifolium, Salix planifolia, Sphagnum squarrosum, Sphagnum angustifolia, Betula nana graminoid, low-shrub tundra  
Water-track transect, west drainage channel, 500 m southwest of Happy Valley camp.
- HV-38 Moist Ledum palustre, Betula nana, Rubus chamaemorus, Aulacomnium turgidum, Sphagnum angustifolium dwarf-shrub tundra  
Water-track transect, west margin of water track, 500 m southwest of Happy Valley camp.
- HV-39 Moist Eriophorum vaginatum, Betula nana, Sphagnum sp., tussock-graminoid, dwarf-shrub tundra  
Water-track transect, island on west side of water track, 500 m southwest of Happy Valley camp.
- HV-40 Moist Betula nana, Ledum palustre ssp. decumbens, Rubus chamaemorus, Aulacomnium turgidum dwarf-shrub tundra  
Water track, 600 m southwest of Happy Valley camp.
- HV-41 Dry Luzula arctica, Anthelia juratzkana barren tundra  
Frost scar in shoulder of hill slope, 400 m southwest of Happy Valley camp.
- HV-42a Moist Eriophorum vaginatum, Salix glauca, Cassiope tetragona, Aulacomnium turgidum, Dicranum sp., Sphagnum warnstorffii tussock-graminoid, dwarf-shrub tundra  
Hillslope, 300 m southwest of Happy Valley camp.
- HV-42b Dry Luzula arctica, Racomitrium lanuginosum, Arctagrostis latifolia barren tundra  
Frostscar on hillslope, 300m southwest of Happy Valley camp.
- HV-43 Moist Salix alaxensis, Shepherdia canadensis tall shrubland  
Small island with tall willows, 0.5 km south of Happy Valley camp.
- HV-44 Moist Tomentypnum nitens, Dryas integrifolia, Equisetum arvense, Lupinus arcticus forb, dwarf-shrub, moss tundra  
Northwest-facing slope at bend in creek, 0.5 km south of Happy Valley camp, 100 m west of Dalton Highway.
- HV-45 Moist Tomentypnum nitens, Dryas integrefolia, Equisetum arvense, Lupinus arcticus forb, dwarf-shrub, moss tundra  
West-facing footslope 15 m north of grid-point 7671600N 426900E.
- HV-46 Aquatic Menyanthes trifoliata forb marsh  
Southern margin of small lake, 1 km west of Dalton Highway.
- HV-47 Wet Carex rotundata, Carex chordorrhiza, Pedicularis sudetica, Sphagnum orientale, Drepanocladus sp. graminoid tundra  
Southern slope of small lake, wet area between raised hummock, 1 km west of Dalton Highway, 1.5 km northwest of Happy Valley camp.
- HV-48 Aquatic Arctophila fulva, Menyanthes trifoliata  
Southern margin of small lake, 1 km

	graminoid marsh	northwest of Happy Valley camp.
HV-49	Wet <u>Carex rotundata</u> , <u>Carex aquatilis</u> , <u>Andromeda polifolia</u> , <u>Rubus chamaemorus</u> , <u>Sphagnum sp.</u> , graminoid, dwarf-shrub, moss tundra	Southern edge of small lake, raised hummock area, 1 km west of Dalton Highway, 1.5 km northwest of Happy Valley camp.
HV-50	Wet <u>Sphagnum imbricatum</u> , <u>Carex aquatilis</u> , <u>Betula nana</u> , <u>Andromeda polifolia</u> moss, graminoid, dwarf-shrub tundra	Southern margin of small lake, raised hummock area, 1 km west of Dalton Highway, 1.5 km northwest of Happy Valley camp.
HV-51	Wet <u>Carex chordorrhiza</u> , <u>Carex rotundata</u> , <u>Sphagnum orientale</u> graminoid tundra	Southern edge of lake, 1 km west of Dalton Highway, 1.5 km northwest of Happy Valley camp.
HV-52	Wet <u>Carex rotundata</u> , <u>Betula nana</u> , <u>Salix fuscescens</u> , <u>Sphagnum sp.</u> graminoid, dwarf-shrub, moss tundra	Water track, 5 km west of small lake, 1 km west of Dalton Highway, 1.5 km northwest of Happy Valley camp.
HV-53	Wet <u>Carex aquatilis</u> , <u>Betula nana</u> , <u>Salix fuscescens</u> , <u>Sphagnum angustifolium</u> graminoid, dwarf-shrub, moss tundra	Water track, 0.5 km west of small lake, 1 km west of Dalton Highway, 1.5 km northwest of Happy Valley camp.
HV-54	Wet <u>Carex rotundata</u> , <u>Carex chordorrhiza</u> , <u>Sphagnum orientale</u> graminoid tundra	0.25 km west of small lake, 1 km west of Dalton Highway, 1.5 km northwest of Happy Valley camp.
HV-55	Wet <u>Sphagnum imbricatum</u> , <u>Carex aquatilis</u> , <u>Betula nana</u> , <u>Andromeda polifolia</u> graminoid, dwarf-shrub, moss tundra	Raised hummock area, .25 km west of small lake, 1 km west of Dalton Highway, 1.5 km northwest of Happy Valley camp.