

## APPENDIX A – Vegetation species list

Table 1: Vegetation species identified in small mammal habitat plots along the Colville River, AK, June 2015.

Lifeform	Plant species code	Scientific name
Dwarf Shrub	ANPO	<i>Andromeda polifolia</i>
Dwarf Shrub	ARAL2	<i>Arctostaphylos alpina</i> var. <i>alpina</i>
Dwarf Shrub	ARRU	<i>Arctostaphylos rubra</i>
Dwarf Shrub	CATE11	<i>Cassiope tetragona</i>
Dwarf Shrub	DRIN4	<i>Dryas integrifolia</i>
Dwarf Shrub	EMNI	<i>Empetrum nigrum</i>
Dwarf Shrub	SACH	<i>Salix chamissonis</i>
Dwarf Shrub	SARE2	<i>Salix reticulata</i>
Dwarf Shrub	VAVI	<i>Vaccinium vitis-idaea</i>
Dwarf Shrub, Shrub	BENA	<i>Betula nana</i>
Dwarf Shrub, Shrub	LEPAD	<i>Ledum palustre</i>
Dwarf Shrub, Shrub	VAUL	<i>Vaccinium uliginosum</i>
Shrub	ALVIF	<i>Alnus viridis</i> ssp. <i>fruticosa</i>
Shrub	CHCA2	<i>Chamaedaphne calyculata</i>
Shrub	SAAL	<i>Salix alaxensis</i>
Shrub	SAAR3	<i>Salix arbusculoides</i>
Shrub	SAGL	<i>Salix glauca</i>
Shrub	SAHA	<i>Salix hastata</i>
Shrub	SANI10	<i>Salix niphoclada</i>
Shrub	SAPU15	<i>Salix pulchra</i>
Shrub	SARI4	<i>Salix richardsonii</i>
Fern or Ally	EQAR	<i>Equisetum arvense</i>
Fern or Ally	EQPR	<i>Equisetum pratense</i>
Fern or Ally	EQSC	<i>Equisetum scirpoides</i>
Fern or Ally	EQVA	<i>Equisetum variegatum</i>
Forb	ACMIB	<i>Achillea millefolium</i> ssp. <i>borealis</i>
Forb	ANPA	<i>Anemone parviflora</i>
Forb	ANRI	<i>Anemone richardsonii</i>
Forb	ARTI	<i>Artemisia tilesii</i>
Forb	ASAL7	<i>Astragalus alpinus</i>
Forb	CAEL6	<i>Castilleja elegans</i>
Forb	CAOLK	<i>Cardamine oligosperma</i> var. <i>kamtschatica</i>
Forb	CAPA5	<i>Caltha palustris</i> var. <i>radicans</i>
Forb	CAPR3	<i>Cardamine pratensis</i>
Forb	CAUN2	<i>Campanula uniflora</i>
Forb	CHLA13	<i>Chamerion latifolium</i>
Forb	CNCN	<i>Cnidium cniidiifolium</i>
Forb	COPA28	<i>Comarum palustre</i>

Lifeform	Plant species code	Scientific name
Forb	EUSI13	<i>Eurybia sibirica</i>
Forb	HEAL	<i>Hedysarum alpinum</i>
Forb	HEBOM	<i>Hedysarum boreale</i> ssp. <i>mackenziei</i>
Forb	LUAR2	<i>Lupinus arcticus</i>
Forb	MOLA6	<i>Moehringia lateriflora</i>
Forb	ORSE	<i>Orthilia secunda</i>
Forb	OXBO	<i>Oxytropis borealis</i> var. <i>viscida</i>
Forb	PAKO3	<i>Parnassia kotzebuei</i>
Forb	PAPA8	<i>Parnassia palustris</i>
Forb	PECA2	<i>Pedicularis capitata</i>
Forb	PEDIC	<i>Pedicularis</i>
Forb	PEFR5	<i>Petasites frigidus</i>
Forb	PELA3	<i>Pedicularis langsдорffii</i> ssp. <i>arctica</i>
Forb	PELA4	<i>Pedicularis lapponica</i>
Forb	PEPA4	<i>Pedicularis parviflora</i> ssp. <i>pennellii</i>
Forb	PESU	<i>Pedicularis sudetica</i> ssp. <i>albolabiata</i>
Forb	PESU	<i>Pedicularis sudetica</i> ssp. <i>interior</i>
Forb	PEVE	<i>Pedicularis verticillata</i>
Forb	PLOB	<i>Platanthera obtusata</i>
Forb	POAC	<i>Polemonium acutiflorum</i>
Forb	POBIP	<i>Polygonum bistorta</i> var. <i>plumosum</i>
Forb	POBO2	<i>Polemonium boreale</i>
Forb	POVI3	<i>Polygonum viviparum</i>
Forb	PYGR	<i>Pyrola grandiflora</i>
Forb	RALA	<i>Ranunculus lapponicus</i>
Forb	RUCH	<i>Rubus chamaemorus</i>
Forb	SAAN3	<i>Saussurea angustifolia</i>
Forb	SANE3	<i>Saxifraga nelsoniana</i>
Forb	SELU	<i>Senecio lugens</i>
Forb	STLO2	<i>Stellaria longipes</i>
Forb	TAOFC	<i>Taraxacum officinale</i> ssp. <i>ceratophorum</i>
Forb	TAPH	<i>Taraxacum phymatocarpum</i>
Forb	TEATF2	<i>Tephrosia atropurpurea</i> ssp. <i>frigida</i>
Forb	VACA3	<i>Valeriana capitata</i>
Forb	WIPH	<i>Wilhelmsia physodes</i>
Graminoid	ANMOA3	<i>Anthoxanthum monticola</i> ssp. <i>alpinum</i>
Graminoid	ARLA2	<i>Arctagrostis latifolia</i> ssp. <i>latifolia</i>
Graminoid	BRINP	<i>Bromus inermis</i> ssp. <i>pumpellianus</i>
Graminoid	CAAQ	<i>Carex aquatilis</i>
Graminoid	CABI5	<i>Carex bigelowii</i>
Graminoid	CACH5	<i>Carex chordorrhiza</i>
Graminoid	CALI7	<i>Carex limosa</i>

<b>Lifeform</b>	<b>Plant species code</b>	<b>Scientific name</b>
Graminoid	CASA10	<i>Carex saxatilis</i>
Graminoid	CAST36	<i>Calamagrostis stricta ssp. stricta</i>
Graminoid	CAWI3	<i>Carex williamsii</i>
Graminoid	ELALA2	<i>Elymus alaskanus ssp. alaskanus</i>
Graminoid	ELALL	<i>Elymus alaskanus ssp. latiglumis</i>
Graminoid	ERAN6	<i>Eriophorum angustifolium</i>
Graminoid	ERSC2	<i>Eriophorum scheuchzeri</i>
Graminoid	ERVA4	<i>Eriophorum vaginatum</i>
Graminoid	FEBR	<i>Festuca brachyphylla</i>
Graminoid	FERU2	<i>Festuca rubra</i>
Graminoid	FERU2	<i>Festuca rubra ssp. arctica</i>
Graminoid	FESTU	<i>Festuca</i>
Graminoid	HIOD	<i>Hierochloa odorata</i>
Graminoid	JUARA	<i>Juncus arcticus ssp. alaskanus</i>
Graminoid	LEIN6	<i>Leymus innovatus</i>
Graminoid	LUAR5	<i>Luzula arcuata ssp. unalaschcensis</i>
Graminoid	LUCO5	<i>Luzula confusa</i>
Graminoid	LUKJ	<i>Luzula kjellmaniana</i>
Graminoid	LUMU2	<i>Luzula multiflora ssp. frigida</i>
Graminoid	LUWA	<i>Luzula wahlenbergii</i>
Graminoid	POA	<i>Poa</i>
Graminoid	POAL2	<i>Poa alpina</i>
Graminoid	POAR2	<i>Poa arctica</i>
Graminoid	POAR2	<i>Poa arctica ssp. arctica</i>
Graminoid	POGL	<i>Poa glauca</i>
Graminoid	POGL	<i>Poa glauca ssp. glauca</i>
Graminoid	POPRA6	<i>Poa pratensis ssp. alpigena</i>
Graminoid	POSE	<i>Poa secunda</i>
Nonvascular	ABAB70	<i>Abietinella abietina</i>
Nonvascular	APPU3	<i>Apometzgeria pubescens</i>
Nonvascular	AUAC70	<i>Aulacomnium acuminatum</i>
Nonvascular	AULAC2	<i>Aulacomnium</i>
Nonvascular	AUPA70	<i>Aulacomnium palustre</i>
Nonvascular	AUTU70	<i>Aulacomnium turgidum</i>
Nonvascular	CALLI10	<i>Calliargon</i>
Nonvascular	CEIS60	<i>Cetraria islandica</i>
Nonvascular	CEPU12	<i>Ceratodon purpureus</i>
Nonvascular	CIST70	<i>Cinclidium stygium</i>
Nonvascular	CLADI3	<i>Cladina</i>
Nonvascular	CLAM60	<i>Cladonia amaurocraea</i>
Nonvascular	CLDE60	<i>Cladonia deformis</i>
Nonvascular	CLDE70	<i>Climacium dendroides</i>

<b>Lifeform</b>	<b>Plant species code</b>	<b>Scientific name</b>
Nonvascular	CLGR13	<i>Cladonia gracilis</i>
Nonvascular	CLMI60	<i>Cladina mitis</i>
Nonvascular	CLPL60	<i>Cladonia pleurota</i>
Nonvascular	CLRA60	<i>Cladina rangiferina</i>
Nonvascular	CLSQ60	<i>Cladonia squamosa</i>
Nonvascular	CLUN60	<i>Cladonia uncialis</i>
Nonvascular	DAAR60	<i>Dactylina arctica</i>
Nonvascular	DIAC70	<i>Dicranum acutifolium</i>
Nonvascular	DICRA8	<i>Dicranum</i>
Nonvascular	DIPO70	<i>Dicranum polysetum</i>
Nonvascular	DRAD2	<i>Drepanocladus aduncus</i>
Nonvascular	DREPA3	<i>Drepanocladus</i>
Nonvascular	FLCU	<i>Flavocetraria cucullata</i>
Nonvascular	FLNI	<i>Flavocetraria nivalis</i>
Nonvascular	HYPNU2	<i>Hypnum</i>
Nonvascular	HYSP70	<i>Hylocomium splendens</i>
Nonvascular	LOLI60	<i>Lobaria linita</i>
Nonvascular	MAPO16	<i>Marchantia polymorpha</i>
Nonvascular	NEAR60	<i>Nephroma arcticum</i>
Nonvascular	PEAP60	<i>Peltigera aphthosa</i>
Nonvascular	PECA60	<i>Peltigera canina</i>
Nonvascular	PLAGI7	<i>Plagiomnium</i>
Nonvascular	PLSC70	<i>Pleurozium schreberi</i>
Nonvascular	POLYT5	<i>Polytrichum</i>
Nonvascular	POST70	<i>Polytrichum strictum</i>
Nonvascular	POWA70	<i>Pohlia wahlenbergii</i>
Nonvascular	PTCI	<i>Ptilidium ciliare</i>
Nonvascular	PTCR70	<i>Ptilium crista-castrensis</i>
Nonvascular	RALA70	<i>Racomitrium lanuginosum</i>
Nonvascular	RHRU70	<i>Rhytidium rugosum</i>
Nonvascular	SCSC70	<i>Scorpidium scorpioides</i>
Nonvascular	SPHAG2	<i>Sphagnum</i>
Nonvascular	SPHAG2	<i>Sphagnum angustifolium</i>
Nonvascular	SPHAG2	<i>Sphagnum fuscum</i>
Nonvascular	SPHAG2	<i>Sphagnum magellanicum</i>
Nonvascular	SPHAG2	<i>Sphagnum warnstorffii</i>
Nonvascular	STERE2	<i>Stereocaulon</i>
Nonvascular	STTO60	<i>Stereocaulon tomentosum</i>
Nonvascular	THVE60	<i>Thamnia vermicularis</i>
Nonvascular	TONI70	<i>Tomentypnum nitens</i>

## REFERENCES FOR PLANT IDENTIFICATION

- Brodo, I., S. Sharnoff, and S. Sharnoff. 2001. Lichens of North America. Yale University Press, New Haven & London.
- Hultén, E. 1968. Flora of Alaska and neighboring territories. Stanford University Press, Stanford, California.
- Flora of North America Editorial Committee, editors. 1993. Flora of North America North of Mexico, Vol.16+. Oxford University Press, New York and Oxford.
- Flora of North America Editorial Committee, editors. 2007. Flora of North America North of Mexico, Vol. 27: Bryophyta, part 1. Oxford University Press, New York and Oxford.
- Lawton, E. 1971. Moss flora of the Pacific Northwest. Hattori Botanical Laboratory, Nichinan, Japan.
- Schofield, W.B. 1992. Some common mosses of British Columbia. Royal British Columbia Museum, Victoria, British Columbia. 394 pp.
- Schofield, W.B. 2002. Field guide to liverwort genera of the Pacific North America. Global Forest Society, Banff, University of Washington Press, Seattle. 228 pp.
- U.S. Department of Agriculture, Natural Resources Conservation Service (USDA, NRCS). 2015. The PLANTS Database. National Plant Data Team, Greensboro, NC. <http://plants.usda.gov> (accessed October 2015).
- Viereck, L.A., C.T. Dyrness, A.R. Batten, and K.J. Wenzlick. 1992. The Alaska Vegetation Classification. General Technical Report PNW-GTR-286. USDA Forest Service Pacific Northwest Research Station, Portland, Oregon.
- Viereck, L.A., and E.L. Little. 2007. Alaska Trees and Shrubs. Second edition. University of Alaska Press, Fairbanks, Alaska. 348 pp.
- Vitt, D.H., J.E. Marsh, and R.B. Bovey. 1988. Mosses, Lichens, and Ferns of Northwest North America. Lone Pine Publishing, Edmonton, Alberta.