

Overview of Vegetation Association Classification and Fact Sheets

Vegetation associations are part of the Yukon ELC Framework. An association is a vegetation classification unit “defined on the basis of a characteristic range of species composition, diagnostic species occurrence, habitat conditions, and physiognomy”. They describe the current vegetation of Yukon and are specifically used to characterize the vegetation growing on a specific ecosite. However, they can also be used separately to describe vegetation (i.e., without the ecosite classification).

Canadian National Vegetation Classification, or CNVC (<http://cnvc-cnvc.ca>) system protocols are used to identify, name and describe vegetation associations and subassociations. The Yukon vegetation associations are sometimes at a different scale than the national associations. For example, a Yukon association is sometimes a national subassociation. This is a result of the process of development of national associations where existing vegetation types were correlated between jurisdictions so jurisdictional protocols sometimes had to be taken into account.

Names and Codes

Every vegetation association has a name and code. The names and codes are described briefly here—see Yukon Ecological and Landscape Classification and Mapping Guidelines for more detail.

Vegetation associations are named according to one or more dominant and/or indicator species. Species of different “layers” — i.e., tree, shrub, herb or moss/lichen — are separated by a forward slash (/). Species within the same layer are separated by an en dash (–). Vegetation subassociations are generally used to characterize variation in species composition that is not considered significant enough to be an association. A single species name is appended to the association to name the subassociation.

Each vegetation association is assigned an alphanumeric code. The alpha portion codes one or more species of the treed or non-treed vegetation overstorey. The numeric portion represents the soil moisture as a relative ranking. Subassociations (if used) are coded with a single, lower-case letter added to the association code.

The vegetation association/subassociation code can be appended to an ecosite code, to further describe the current vegetation conditions on an ecosite, or used separately (e.g., where ecosites have not yet been characterized).

Fact Sheet Groupings

At this time, vegetation association classification has been conducted for the treed vegetation of Yukon. Vegetation association descriptions (i.e, fact sheets) and identification tools (i.e., key and tables) have been prepared for select groupings of Yukon associations—based on overstorey groupings. For each grouping, identification tools are presented, as follows:

1. Comparative vegetation summary tables. Vegetation tables are used to compare floristic features between associations.
2. Flowchart key to vegetation association. A flowchart key using diagnostic species is provided as an aid to identification of association.
3. Summary information table. A table comparing key site and vegetation features for each association is provided.

The fact sheets are two pages and are comprised of the following:

1. A concept statement: outlining the general ecological conditions and distribution for the association.
2. Description of vegetation: dominant, characteristic, and common associates along with comments on vegetation structure and variability are described.
3. Environment conditions: the dominant and characteristic site and soil conditions are described in this section.
4. Photo: selected image of a typical stand assigned to the association.
5. Range map: Shows locations of plots assigned to the unit.
6. Environment table: Specific values for selected environmental attributes.
7. Vegetation summary table: A formatted summary table listing species, both diagnostic species and others with high constancy—grouped by lifeform.
8. Other comments: includes CNVC association equivalent and key identification features for association.

Limitations

All available data was used to develop the classification and present the descriptions. Most association descriptions are based on a reasonable amount of plot data, but some are based on relatively few plots. In addition, in some associations, soils data is very limited and certain plant groups, e.g., bryophytes and willows, are often not identified to species. This limits the information presented for these units. Over time and where necessary, identified gaps will be filled in and updated with future revisions.

List of Yukon Treed Associations (26 July 2017)

Code	English Name	Latin Name
F	ABIES LASIOCARPA (Subalpine fir)	
F01	Fir / Shrub birch / Crowberry / Lichen	<i>Abies lasiocarpa</i> / <i>Betula glandulosa</i> / <i>Empetrum nigrum</i> / <i>Cladina</i>
F02	Fir / Shrub birch / Mountain heather / Lichen	<i>Abies lasiocarpa</i> / <i>Betula glandulosa</i> / <i>Cassiope tetragona</i> / <i>Cladina</i>
F05	Fir / Shrub birch / Crowberry / Haircap moss	<i>Abies lasiocarpa</i> / <i>Betula glandulosa</i> / <i>Empetrum nigrum</i> / <i>Polytrichum juniperinum</i>
F20	Fir / Crowberry / Mountain heather / Feathermoss	<i>Abies lasiocarpa</i> / <i>Empetrum nigrum</i> / <i>Cassiope tetragona</i> / Feathermoss
F21	Fir / Juniper / Crowberry / Feathermoss	<i>Abies lasiocarpa</i> / <i>Juniperus communis</i> / <i>Empetrum nigrum</i> / Feathermoss
F22	Fir / Crowberry / Feathermoss	<i>Abies lasiocarpa</i> / <i>Empetrum nigrum</i> / <i>Hylocomium splendens</i> ; <i>typic</i> and <i>Ribes</i> subassoc.
F24	Fir / Willow / Mountain sagewort - Monkshood	<i>Abies lasiocarpa</i> / <i>Salix</i> spp. / <i>Artemisia norvegica</i> – <i>Aconitum delphiniifolium</i>
F30	Fir / Swamp red currant / Feathermoss	<i>Abies lasiocarpa</i> / <i>Ribes triste</i> / Feathermoss
F32	Fir / Willow / Crowberry - Sweet coltsfoot / Step moss - Glow moss	<i>Abies lasiocarpa</i> / <i>Salix</i> spp. / <i>Empetrum nigrum</i> – <i>Petasites frigidis</i> / <i>Hylocomium splendens</i> – <i>Aulacomium palustre</i>
F33	Fir / Crowberry / Step moss - Peat moss	<i>Abies lasiocarpa</i> / <i>Empetrum nigrum</i> / <i>Hylocomium splendens</i> – <i>Sphagnum</i>
FP21	Fir - Pine / Tall blueberry / Feathermoss	<i>Abies lasiocarpa</i> – <i>Pinus contorta</i> / <i>Vaccinium membranaceum</i> / Feathermoss
F	ABIES LASIOCARPA (Subalpine fir) Krummholz	
F26	Fir / Crowberry - Mountain heather / Feathermoss Krummholz	<i>Abies lasiocarpa</i> / <i>Empetrum nigrum</i> - <i>Cassiope tetragona</i> / Feathermoss Krummholz
F27	Fir / Feathermoss Krummholz	<i>Abies lasiocarpa</i> / Feathermoss Krummholz
F29	Fir / Willow / Monkshood - Arctic raspberry - Tall Jacob's-ladder Krummholz	<i>Abies lasiocarpa</i> / <i>Salix</i> spp. / <i>Aconitium delphiniifolium</i> – <i>Rubus arcticus</i> – <i>Polemonium acutiflorum</i> Krummholz
FSw FPSw	ABIES LASIOCARPA – PICEA GLAUCA (Subalpine fir – White spruce)	
FPSw01	Fir - Pine - White spruce / Shrub birch / Crowberry / Lichen	<i>Abies lasiocarpa</i> – <i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Betula glandulosa</i> / <i>Empetrum nigrum</i> / <i>Cladina</i>
FSw01	Fir - White spruce / Shrub birch / Crowberry / Lichen	<i>Abies lasiocarpa</i> – <i>Picea glauca</i> / <i>Betula glandulosa</i> / <i>Empetrum nigrum</i> / <i>Cladina</i>
FPSw11	Fir - Pine - White spruce / Juniper - Soapberry / Kinnikinnick / Reindeer lichen	<i>Abies lasiocarpa</i> – <i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Juniperus communis</i> – <i>Shepherdia canadensis</i> / <i>Arctostaphylos uva-ursi</i> / <i>Cladina</i>
FPSw20	Fir - Pine - White spruce / Shrub birch / Crowberry / Feathermoss	<i>Abies lasiocarpa</i> – <i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Betula glandulosa</i> / <i>Empetrum nigrum</i> / Feathermoss
FSw20	Fir - White spruce / Shrub birch / Crowberry / Feathermoss	<i>Abies lasiocarpa</i> – <i>Picea glauca</i> / <i>Betula glandulosa</i> / <i>Empetrum nigrum</i> / Feathermoss
FSw21	Fir - White spruce / Tall blueberry / Feathermoss	<i>Abies lasiocarpa</i> – <i>Picea glauca</i> / <i>Vaccinium membranaceum</i> / Feathermoss

FSw22	Fir – White spruce / Crowberry / Feathermoss	<i>Abies lasiocarpa</i> – <i>Picea glauca</i> / <i>Empetrum nigrum</i> / Feathermoss
FSw25	Fir - White spruce / Shrub birch - Tall blueberry / Feathermoss	<i>Abies lasiocarpa</i> – <i>Picea glauca</i> / <i>Betula glandulosa</i> – <i>Vaccinium membranaceum</i> / Feathermoss
FSw32	Fir - White spruce / Willow / Sweet coltsfoot / Step moss	<i>Abies lasiocarpa</i> – <i>Picea glauca</i> / <i>Salix</i> spp. / <i>Petasites frigidis</i> / <i>Hylocomium splendens</i>
FSw33	Fir - White spruce / Alder / Step moss	<i>Abies lasiocarpa</i> – <i>Picea glauca</i> / <i>Alnus viridis</i> / <i>Hylocomium splendens</i>
FSw35	Fir - White spruce / Shrub birch - Labrador tea / Cloudberry / Peat moss	<i>Abies lasiocarpa</i> – <i>Picea glauca</i> / <i>Betula glandulosa</i> – <i>Rhododendron groenlandicum</i> / <i>Rubus chamaemorus</i> / <i>Sphagnum</i>
FSw36	Fir - White spruce / Currant / Horsetail - Tall lungwort / Step moss	<i>Abies lasiocarpa</i> – <i>Picea glauca</i> / <i>Ribes</i> spp. / <i>Equisetum</i> spp. – <i>Mertensia paniculata</i> / <i>Hylocomium splendens</i>
P	<i>PINUS CONTORTA</i> (Lodgepole pine)	
P01	Pine / Kinnikinnick / Lichen	<i>Pinus contorta</i> / <i>Arctostaphylos uva-ursi</i> / <i>Cladina</i> spp.
P02	Pine / Kinnikinnick	<i>Pinus contorta</i> / <i>Arctostaphylos uva-ursi</i>
P10	Pine / Shrub birch / Lichen	<i>Pinus contorta</i> / <i>Betula glandulosa</i> / <i>Cladina</i> spp.
P21	Pine / Lowbush cranberry - Twinflower	<i>Pinus contorta</i> / <i>Vaccinium vitis-idaea</i> – <i>Linnaea borealis</i>
P22	Pine / Soapberry	<i>Pinus contorta</i> / <i>Shepherdia canadensis</i>
P23	Pine / Alder / Feathermoss	<i>Pinus contorta</i> / <i>Alnus viridis</i> / <i>Hylocomium splendens</i>
P24	Pine / Alder - Labrador tea / Feathermoss	<i>Pinus contorta</i> / <i>Alnus viridis</i> - <i>Rhododendron groenlandicum</i> / <i>Hylocomium splendens</i>
P25	Pine / Purple reedgrass	<i>Pinus contorta</i> / <i>Calamagrostis purpurescens</i>
P26	Pine / Grass – Kinnikinnick – Lowbush cranberry	<i>Pinus contorta</i> / <i>Poaceae</i> – <i>Arctostaphylos uva-ursi</i> - <i>Vaccinium vitis-idaea</i>
P27	Pine / Labrador tea / Lowbush cranberry	<i>Pinus contorta</i> / <i>Rhododendron groenlandicum</i> / <i>Vaccinium vitis-idaea</i>
P28	Pine / Lowbush cranberry / Step moss	<i>Pinus contorta</i> / <i>Vaccinium vitis-idaea</i> / <i>Hylocomium splendens</i>
P29	Pine / Labrador tea / Feathermoss	<i>Pinus contorta</i> / <i>Rhododendron groenlandicum</i> / <i>Hylocomium splendens</i>
P30	Pine / Shrub birch / Altai fescue	<i>Pinus contorta</i> / <i>Betula glandulosa</i> / <i>Festuca altaica</i>
P31	Pine / Shrub birch / Feathermoss	<i>Pinus contorta</i> / <i>Betula glandulosa</i> / Feathermoss
PSb	<i>PINUS CONTORTA</i> - <i>PICEA MARIANA</i> (Lodgepole pine - White spruce)	
PSb07	Pine - Black spruce / Shrub birch / Lichen	<i>Pinus contorta</i> - <i>Picea mariana</i> / <i>Betula glandulosa</i> / Lichen
PSb11	Pine - Black spruce / Lowbush cranberry - Kinnikinnick / Lichen	<i>Picea mariana</i> – <i>Pinus contorta</i> / <i>Vaccinium vitis-idaea</i> – <i>Arctostaphylos uva-ursi</i> / <i>Cladina</i> spp.
PSb23	Pine – Black spruce / Alder / Feathermoss	<i>Picea mariana</i> – <i>Pinus contorta</i> / <i>Alnus viridis</i> / Feathermoss
PSb25	Pine – Black spruce / Labrador tea / Feathermoss	<i>Picea mariana</i> – <i>Pinus contorta</i> / <i>Rhododendron groenlandicum</i> / Feathermoss
PSbSw03	Pine - Black spruce / Lowbush cranberry / Lichen	<i>Pinus contorta</i> – <i>Picea mariana</i> / <i>Vaccinium vitis-idaea</i> / <i>Cladina</i> spp.

PSbSw22	Pine – Black spruce – White spruce / Lowbush cranberry	<i>Pinus contorta</i> – <i>Picea mariana</i> (<i>P. glauca</i>) / <i>Vaccinium vitis-idaea</i>
PSbSw23	Pine – Black spruce – White spruce / Lowbush cranberry / Feathermoss	<i>Pinus contorta</i> - <i>Picea mariana</i> (<i>P. glauca</i>) / <i>Vaccinium vitis-idaea</i> / <i>Hylocomium splendens</i> ; <i>Rhododendron sub</i> ; <i>ground shrub sub</i>
PSw	<i>PINUS CONTORTA</i> - <i>PICEA GLAUCA</i> (Lodgepole pine - White spruce)	
PSw01	Pine – White spruce / Kinnikinnick / Lichen	<i>Pinus contorta</i> - <i>Picea glauca</i> / <i>Arctostaphylos uva-ursi</i> / <i>Cladina spp.</i>
PSw02	Pine – White spruce / Kinnikinnick	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Arctostaphylos uva-ursi</i>
PSw03	Pine – White spruce / Lowbush cranberry / Lichen	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Vaccinium vitis-idaea</i> / <i>Cladina spp.</i>
PSw05	Pine – White spruce / Purple reedgrass	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Calamagrostis purpureascens</i>
PSw09	Pine – White spruce / Labrador tea / Lowbush cranberry / Lichen	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Rhododendron groenlandicum</i> / <i>Vaccinium vitis-idaea</i> / <i>Cladina spp.</i>
PSw20	Pine – White spruce / Shrub birch - Willow / Grass	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Betula glandulosa</i> - <i>Salix spp.</i> / <i>Poaceae</i>
PSw21	Pine – White spruce / Shrub birch / Crowberry	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Betula glandulosa</i> / <i>Empetrum nigrum</i>
PSw23	Pine – White spruce / Lowbush cranberry – Twinflower	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Vaccinium vitis-idaea</i> – <i>Linnaea borealis</i>
PSw24	Pine – White spruce / Lowbush cranberry – Twinflower / Feathermoss	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Vaccinium vitis-idaea</i> / <i>Hylocomium splendens</i> – <i>Pleurozium schreberi</i>
PSw25	Pine – White spruce / Altai fescue	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Festuca altaica</i>
PSw26	Pine – White spruce / Soapberry / Feathermoss	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Shepherdia canadensis</i> / <i>Arctostaphylos uva-ursi</i> / Feathermoss
PSw27	Pine – White spruce / Labrador tea / Crowberry / Feathermoss	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Rhododendron groenlandicum</i> / <i>Empetrum nigrum</i> / <i>Hylocomium splendens</i>
PSw28	Pine – White spruce / Shrub birch - Labrador tea / Crowberry / Step moss	<i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Betula glandulosa</i> - <i>Rhododendron groenlandicum</i> / <i>Empetrum nigrum</i> / <i>Hylocomium splendens</i>
SbL	<i>LARIX LARICINA</i> (Tamarack)	
SbL05	Tamarack / Labrador tea / Lichen	<i>Larix laricina</i> / <i>Rhododendron groenlandicum</i> / <i>Cladina</i>
SbL50	Black spruce - Tamarack / Water sedge / Glow moss - Peat moss	<i>Picea mariana</i> - <i>Larix laricina</i> / <i>Carex aquatilis</i> / <i>Aulacomium palustre</i> - <i>Sphagnum spp.</i>
Sb	<i>PICEA MARIANA</i> (Black spruce)	
Sb10	Black spruce / Labrador tea / Lichen Woodland	<i>Picea mariana</i> / <i>Rhododendron groenlandicum-tomentosum</i> / <i>Cladina</i> Woodland
Sb12	Black spruce / Willow - Labrador tea / Lichen	<i>Picea mariana</i> / <i>Salix spp.</i> - <i>Rhododendron groenlandicum</i> / <i>Cladina spp.</i>
Sb22	Black spruce / Lowbush cranberry / Feathermoss	<i>Picea mariana</i> (<i>Pinus contorta</i>)/ <i>Vaccinium vitis-idaea</i> – <i>Feathermoss</i>
Sb24	Black spruce / Alder / Sweet coltsfoot - Horsetail / Feathermoss	<i>Picea mariana</i> / <i>Alnus spp.</i> / <i>Petasites frigidus</i> – <i>Equisetum arvense</i> / Feathermoss
Sb26	Black spruce / Shrub birch / Lowbush cranberry / Feathermoss	<i>Picea mariana</i> / <i>Betula glandulosa</i> – (<i>Vaccinium uliginosum</i>) / <i>Vaccinium vitis-idaea</i> / Feathermoss

Sb31	Black spruce / Horsetail / Step moss	<i>Picea mariana</i> / <i>Equisetum</i> spp. / <i>Hylocomium splendens</i> 2 subs: Typic (Sb31t) & subalpine fir (Sb31f)
Sb32	Black spruce / Blueberry willow / Scouring-rush / Step moss	<i>Picea mariana</i> / <i>Salix myrtilifolia</i> / <i>Equisetum scirpoides</i> / <i>Hylocomium splendens</i>
Sb34	Black spruce / Labrador tea/ Lowbush cranberry / Feathermoss - Peat moss	<i>Picea mariana</i> / <i>Rhododendron groenlandicum</i> / <i>Vaccinium vitis-idaea</i> / Feathermoss – <i>Sphagnum</i> spp.
Sb35	Black spruce / Alder - Northern Labrador tea/ Lowbush cranberry / Lichen - Peat moss	<i>Picea mariana</i> / <i>Alnus viridis</i> – <i>Rhododendron palustre</i> / <i>Cladina</i> spp. – <i>Sphagnum</i> spp
Sb41	Black spruce / Willow – Northern Labrador tea / Lichen - Peat moss	<i>Picea mariana</i> / <i>Salix</i> spp. – <i>Rhododendron palustre</i> / <i>Cladina</i> spp. – <i>Sphagnum</i> spp
Sb42	Black spruce / Labrador tea/ Lichen - Peat moss	<i>Picea mariana</i> / <i>Rhododendron groenlandicum</i> / <i>Cladina</i> spp. – <i>Sphagnum</i> spp.
Sb43	Black spruce / Labrador tea/ Feathermoss - Peat moss	<i>Picea mariana</i> / <i>Rhododendron groenlandicum</i> / Feathermoss – <i>Sphagnum</i> spp.
Sb44	Black spruce / Labrador tea/ Cloudberry - Lowbush cranberry / Peat moss	<i>Picea mariana</i> / <i>Rhododendron groenlandicum</i> / <i>Rubus chamaemorus</i> – <i>Vaccinium vitis-idaea</i> / <i>Sphagnum</i> spp.
Sb45	Black spruce / Willow / Peat moss	<i>Picea mariana</i> / <i>Salix</i> spp. / <i>Sphagnum</i> spp.
Sb46	Black spruce / Muskeg sedge / Peat moss	<i>Picea mariana</i> / <i>Carex lugens</i> / <i>Sphagnum</i> spp.
Sb55	Black spruce / Tussock cotton-grass	<i>Picea mariana</i> / <i>Eriophorum vaginatum</i>
SbSw22	Black spruce – White spruce / Lowbush cranberry - Feathermoss	<i>Picea mariana</i> - <i>Picea glauca</i> / <i>Vaccinium vitis-idaea</i> – Feathermoss
SbSw30	Black spruce - White spruce / Labrador tea / Feathermoss	<i>Picea mariana</i> - <i>Picea glauca</i> / <i>Rhododendron groenlandicum</i> / Feathermoss
SbSw31	Black spruce – White spruce / Blueberry willow / Feathermoss	<i>Picea mariana</i> - <i>Picea glauca</i> / <i>Salix myrtilifolia</i> / <i>Hylocomium splendens</i>
SbSw32	Black spruce (White spruce) / Labrador tea / Feathermoss – Brown moss	<i>Picea mariana</i> (<i>Picea glauca</i>) / <i>Rhododendron groenlandicum</i> / Feathermoss - Brown moss
SbF	<i>PICEA MARIANA</i> – <i>ABIES LASIOCARPA</i> (Black spruce – Subalpine fir)	
SbF14	Black spruce - Fir / Shrub birch / Lichen - Feathermoss	<i>Picea mariana</i> – <i>Abies lasiocarpa</i> / <i>Betula glandulosa</i> / <i>Cladina</i> spp. - Feathermoss
SbF25	Black spruce - Fir / Feathermoss	<i>Picea mariana</i> – <i>Abies lasiocarpa</i> / Feathermoss
SbF31	Black spruce - Fir / Cloudberry / Feathermoss - Peat moss	<i>Picea mariana</i> – <i>Abies lasiocarpa</i> / <i>Rubus chamaemorus</i> / Feathermoss (<i>Sphagnum</i> spp.)
SbF41	Black spruce - Fir / Labrador tea / Feathermoss - Peat moss	<i>Picea mariana</i> – <i>Abies lasiocarpa</i> / <i>Rhododendron groenlandicum</i> / Feathermoss – <i>Sphagnum</i> spp. (t - typic, w - willow subassociations)
SbW	<i>PICEA MARIANA</i> – <i>BETULA NEOALASKANA</i> (Black spruce – Alaska paper birch)	
PSbW22	Pine - Black spruce - Alaska birch / Alder / Lowbush cranberry - Fireweed / Feathermoss	<i>Picea mariana</i> – <i>Betula neoalaskana</i> – <i>Pinus contorta</i> / <i>Alnus viridis</i> / <i>Vaccinium vitis-idaea</i> – <i>Chamerion angustifolium</i> / Feathermoss
SbSwW21	Spruce - Alaska birch / Willow - Labrador tea / Lowbush cranberry / Feathermoss - Lichen	<i>Picea mariana</i> – <i>Picea glauca</i> – <i>Betula neoalaskana</i> / <i>Salix</i> spp. – <i>Rhododendron groenlandicum</i> / <i>Vaccinium vitis-idaea</i> / Feathermoss – <i>Cladina</i> spp.

SbSwW25	Spruce - Alaska birch / Prickly rose / Twinflower - Tall lungwort / Feathermoss	<i>Picea mariana</i> – <i>Picea glauca</i> - <i>Betula neoalaskana</i> / <i>Rosa acicularis</i> / <i>Linnaea borealis</i> – <i>Mertensia paniculata</i> / Feathermoss
SbSwW34	Black spruce - Alaska birch / Alder - Highbush cranberry / Horsetail	<i>Picea mariana</i> – <i>Betula neoalaskana</i> / <i>Alnus viridis</i> – <i>Viburnum edule</i> / <i>Equisetum arvense</i>
SbW22	Black spruce - Alaska birch / Lowbush cranberry / Feathermoss	<i>Picea mariana</i> – <i>Betula neoalaskana</i> / <i>Vaccinium vitis-idaea</i> / Feathermoss
SbW35	Black spruce - Alaska birch / Labrador tea / Sweet coltsfoot / Feathermoss	<i>Picea mariana</i> – <i>Betula neoalaskana</i> / <i>Rhododendron groenlandicum</i> / <i>Petasites frigidus</i> / <i>Sphagnum spp.</i>
Sw	PICEA GLAUCA (White spruce)	
Sw01	White spruce / Kinnikinnick / Lichen	<i>Picea glauca</i> / <i>Arctostaphylos uva-ursi</i> / Lichen
Sw02	White spruce / Kinnikinnick	<i>Picea glauca</i> / <i>Arctostaphylos uva-ursi</i>
Sw05	White spruce / Entire-leaved mountain avens - Lapland rosebay - Kinnikinnick	<i>Picea glauca</i> / <i>Dryas integrifolia</i> – <i>Rhododendron lapponicum</i> – <i>Arctostaphylos uva-ursi</i>
Sw11	White spruce / Entire-leaved mountain avens	<i>Picea glauca</i> / <i>Dryas integrifolia</i>
Sw15	White spruce / Bog blueberry / Entire-leaved mountain avens - Lapland rosebay	<i>Picea glauca</i> / <i>Vaccinium uliginosum</i> / <i>Dryas integrifolia</i> – <i>Rhododendron lapponicum</i>
Sw16	White spruce / Alder / Entire-leaved mountain avens - Lapland rosebay	<i>Picea glauca</i> / <i>Alnus viridis</i> – <i>Vaccinium uliginosum</i> / <i>Dryas integrifolia</i> – <i>Rhododendron lapponicum</i>
Sw17	White spruce / Highbush cranberry / Feathermoss	<i>Picea glauca</i> / <i>Viburnum edule</i> / Feathermoss
Sw18	White spruce / Red osier dogwood / Horsetail - Mitrewort	<i>Picea glauca</i> / <i>Cornus stolonifera</i> / <i>Equisetum arvense-pratense</i> – <i>Mitella nuda</i>
Sw19	White spruce / Kinnikinnick – Baltic rush	<i>Picea glauca</i> / <i>Arctostaphylos uva-ursi</i> – <i>Juncus balticus</i>
Sw20	White spruce / Grass – Kinnikinnick	<i>Picea glauca</i> / <i>Poaceae</i> – <i>Arctostaphylos uva-ursi</i>
Sw21	White spruce . Lapland rosebay - Net-veined willow - Water horsetail	<i>Picea glauca</i> / <i>Rhododendron lapponicum</i> – <i>Salix reticulata</i> – <i>Equisetum fluviatile</i>
Sw22	White spruce / Willow - Bog blueberry / Polargrass / Feathermoss	<i>Picea glauca</i> / <i>Salix spp.</i> – <i>Vaccinium uliginosum</i> / <i>Arctagrostis latifolia</i> / Feathermoss
Sw23	White spruce / Entire-leaved mountain avens - Lapland rosebay - Horsetail	<i>Picea glauca</i> / <i>Dryas integrifolia</i> – <i>Rhododendron lapponicum</i> – <i>Equisetum arvense</i>
Sw24	White spruce / Entire-leaved mountain avens - Lapland rosebay - Muskeg sedge	<i>Picea glauca</i> / <i>Dryas integrifolia</i> – <i>Rhododendron lapponicum</i> – <i>Carex lugens</i>
Sw25	White spruce / Shrub birch – Willow / Altai fescue – Kinnikinnick	<i>Picea glauca</i> / <i>Betula glandulosa</i> – <i>Salix glauca</i> / <i>Festuca altaica</i> – <i>Arctostaphylos uva-ursi</i>
Sw26	White spruce / Soapberry / Step moss	<i>Picea glauca</i> / <i>Shepherdia canadensis</i> / Feathermoss
Sw27	White spruce / Feathermoss	<i>Picea glauca</i> / Feathermoss (t – typic, a – alder, w – <i>Thuidium</i> subassociations)
Sw28	White spruce / Shrub birch / Crowberry / Reindeer lichen	<i>Picea glauca</i> / <i>Betula glandulosa</i> / <i>Empetrum nigrum</i> / <i>Cladina spp.</i>
Sw29	White spruce / Labrador tea / Crowberry / Feathermoss	<i>Picea glauca</i> / <i>Rhododendron groenlandicum</i> / <i>Empetrum nigrum</i> / Feathermoss
Sw30	White spruce / Shrub birch / C rowberry / Feathermoss	<i>Picea glauca</i> / <i>Betula glandulosa</i> / <i>Empetrum nigrum</i> / Feathermoss
Sw31	White spruce / Willow / Red bearberry / Feathermoss	<i>Picea glauca</i> / <i>Salix spp.</i> / <i>Arctostaphylos rubra</i> / Feathermoss (n – nudum subassociation)

Sw32	White spruce / Willow / Red bearberry / Brown moss	<i>Picea glauca</i> / <i>Salix</i> spp. / <i>Rhododendron</i> spp. / <i>Arctostaphylos rubra</i> / Feathermoss – Brown moss
Sw33	White spruce / Northern Labrador tea / Crowberry / Peat moss	<i>Picea glauca</i> / <i>Rhododendron decumbens</i> / <i>Empetrum nigrum</i> / <i>Sphagnum</i>
Sw34	White spruce / Alder - Highbush cranberry / Wild sarsaparilla - Mitrewort	<i>Picea glauca</i> / <i>Alnus (incana, viridis)</i> – <i>Viburnum edule</i> / <i>Aralia nudicaulis</i> – <i>Mitella nuda</i>
Sw35	White spruce / Alder / Devil's club	<i>Picea glauca</i> / <i>Alnus viridis</i> / <i>Oplopanax horridus</i>
Sw36	White spruce / Highbush cranberry / Horsetail	<i>Picea glauca</i> / <i>Viburnum edule</i> / <i>Equisetum arvense-pratense</i>
Sw38	White spruce / Labrador tea / Red bearberry / Brown moss	<i>Picea glauca</i> / <i>Rhododendron groenlandicum</i> / <i>Arctous rubra</i> / Brown mosses
Sw39	White spruce / Willow / Horsetail / Brown moss	<i>Picea glauca</i> / <i>Salix</i> spp. / <i>Equisetum arvense-pratense</i> / Brown mosses
Sw40	White spruce / Shrub birch – Labrador tea / Crowberry / Peat moss	<i>Picea glauca</i> / <i>Betula glandulosa</i> – <i>Rhododendron groenlandicum</i> / <i>Empetrum nigrum</i> / <i>Sphagnum</i>
Sw50	White spruce / Labrador tea / Water sedge	<i>Picea glauca</i> / <i>Rhododendron groenlandicum</i> / <i>Carex aquatilis</i>
Sw51	White spruce / Shrub birch / Water sedge	<i>Picea glauca</i> / <i>Betula glandulosa</i> / <i>Carex aquatilis</i>
Sw55	White spruce / Tussock cotton-grass / Entire-leaved mountain avens	<i>Picea glauca</i> / <i>Eriophorum vaginatum</i> / <i>Dryas integrifolia</i>
SwB	<i>PICEA GLAUCA – POPULUS BALSAMIFERA</i> (White spruce – Balsam poplar)	
SwB04	White spruce – Balsam poplar / Yukon lupine	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Lupinus kuschei</i>
SwB20	White spruce – Balsam poplar / Juniper - Soapberry / Red bearberry - Alpine sweet-vetch	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Juniperus communis</i> - <i>Shepherdia canadensis</i> / <i>Arctous rubra</i> - <i>Hedysarum alpinum</i>
SwB22	White spruce – Balsam poplar / Highbush cranberry / Tall lungwort	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Viburnum edule</i> / <i>Mertensia paniculata</i>
SwB25	White spruce – Balsam poplar / Highbush cranberry - Red osier dogwood / Wild sarsaparilla	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Viburnum edule</i> - <i>Cornus stolonifera</i> / <i>Aralia nudicaulis</i>
SwB27	Balsam poplar – White spruce / Soapberry	<i>Populus balsamifera</i> - <i>Picea glauca</i> / <i>Shepherdia canadensis</i>
SwB28	White spruce – Balsam poplar / Step moss	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Hylocomnium splendens</i>
SwB29	White spruce – Balsam poplar / Highbush cranberry / Horsetail	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Viburnum edule</i> / <i>Equisetum arvense-pratense</i>
SwB30	White spruce – Balsam poplar / River alder / Oak fern	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Alnus incana</i> / <i>Gymnocarpium dryopteris</i>
SwB31	White spruce – Balsam poplar / Alder / Devil's club	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Alnus viridis</i> / <i>Oplopanax horridus</i>
SwB33	White spruce – Balsam poplar / River alder / Ostrich fern	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Alnus incana</i> / <i>Matteucia struthiopteris</i>
SwB35	White spruce – Balsam poplar / Soapberry / Horsetail	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Shepherdia canadensis</i> / <i>Equisetum</i>
SwB56	White spruce – Balsam poplar / Water sedges	<i>Picea glauca</i> – <i>Populus balsamifera</i> / <i>Carex aquatilis</i> - <i>Carex utriculata</i>

SwW	PICEA GLAUCA – BETULA NEOALASKANA (White spruce – Alaska paper birch)	
SwW02	White spruce - Water birch / Shrub birch / Crowberry / Lichen	<i>Picea glauca – Betula occidentalis / Betula glandulosa / Empetrum nigrum / Cladina spp.</i>
SwW04	White spruce - Water birch / Shrub birch / Crowberry / Lichen	<i>Picea glauca – Betula occidentalis / Betula glandulosa / Juniperus communis / Artemisia norvegica</i>
ASwW03	White spruce - Alaska birch - Aspen / Juniper / Altai fescue	<i>Picea glauca – Betula neoalaskana – Populus tremuloides / Juniperus communis / Festuca altaica</i>
SwW22	White spruce - Water birch / Bog blueberry / Crowberry	<i>Picea glauca - Betula occidentalis / Vaccinium uliginosum / Empetrum nigrum</i>
SwW24	White spruce – Alaska birch / Prickly rose / Lowbush cranberry / Feathermoss	<i>Picea glauca – Betula neoalaskana / Rosa acicularis / Vaccinium vitis-idaea / Feathermoss</i>
SwW25	White spruce – Alaska birch / Highbush cranberry - Prickly rose / Bunchberry	<i>Picea glauca – Betula neoalaskana / Viburnum edule - Rosa aciculatis / Cornus canadensis</i>
SwW28	White spruce – Alaska birch / Alder / Step moss	<i>Picea glauca – Betula neoalaskana / Alnus spp. / Hylocomium splendens</i>
SwW29	White spruce – Alaska birch / Alder – Labrador tea	<i>Picea glauca – Betula neoalaskana / Alnus – Rhododendron groenlandicum</i>
SwW30	White spruce – Alaska birch / Labrador tea	<i>Picea glauca – Betula neoalaskana / Rhododendron groenlandicum</i>
SwW34	White spruce – Alaska birch / Red osier dogwood - Highbush cranberry / Horsetail	<i>Picea glauca – Betula neoalaskana / Cornus stolonifera – Viburnum edule / Equisetum arvense</i>
A	POPULUS TREMULOIDES (Trembling aspen)	
A02	Aspen / Juniper	<i>Populus tremuloides / Juniperus communis</i>
A03	Aspen / Kinnikinnick	<i>Populus tremuloides / Arctostaphylos uva-ursi</i>
A04	Aspen / Prickly rose / Grass	<i>Populus tremuloides / Rosa acicularis / Poaceae</i>
A09	Aspen / Shrub birch / Altai fescue	<i>Populus tremuloides / Betula glandulosa / Festuca altaica</i>
A20	Aspen / Grass – Kinnikinnick	<i>Populus tremuloides / Poaceae - Arctostaphylos uva-ursi</i>
A21	Aspen / Soapberry / Kinnikinnick	<i>Populus tremuloides / Shepherdia canadensis / Arctostaphylos uva-ursi</i>
A25	Aspen / Willow / Purple reedgrass / Thread-moss	<i>Populus tremuloides / Salix spp. / Calamagrostis purpurescens / Gemmabryum caespiticium</i>
A26	Aspen / Highbush cranberry / Bunchberry	<i>Populus tremuloides / Viburnum edule / Cornus canadensis</i>
A28	Aspen / Labrador tea	<i>Populus tremuloides / Rhododendron groenlandicum</i>
A29	Aspen / Prickly rose / Fireweed	<i>Populus tremuloides / Rosa acicularis / Chamerion angustifolium</i>
A34	Aspen / Horsetail	<i>Populus tremuloides / Equisetum arvense</i>
A35	Aspen / Ostrich fern	<i>Populus tremuloides / Matteuccia struthiopteris</i>
AB03	Aspen – Balsam poplar / Rocky Mountain fescue – Yukon lupine	<i>Populus tremuloides – Populus balsamifera / Festuca saximontana- Lupinus kuschei</i>
B	POPULUS BALSAMIFERA (Balsam poplar)	
B01	Balsam poplar / Juniper / Tall lungwort - Altai fescue	<i>Populus balsamifera / Juniperus communis / Mertensia paniculata – Festuca altaica</i>

B02	Balsam poplar / Soapberry - Juniper	<i>Populus balsamifera</i> / <i>Shepherdia canadensis</i> – <i>Juniperus communis</i>
B22	Balsam poplar / River alder – Red osier dogwood / Horsetail	<i>Populus balsamifera</i> / <i>Alnus incana</i> – <i>Cornus stolonifera</i> / <i>Equisetum</i> spp.
B23	Balsam poplar / Highbush cranberry / Horsetail	<i>Populus balsamifera</i> / <i>Viburnum edule</i> / <i>Equisetum</i> spp.
B24	Balsam poplar / River alder / Horsetail - Arctic wintergreen	<i>Populus balsamifera</i> / <i>Alnus incana</i> / <i>Equisetum</i> spp. - <i>Pyrola grandiflora</i>
B25	Balsam poplar / Alder - Highbush cranberry / Dwarf red raspberry - Bunchberry	<i>Populus balsamifera</i> / <i>Alnus viridis</i> – <i>Viburnum edule</i> / <i>Rubus pubescens</i> – <i>Cornus canadensis</i>
B27	Balsam poplar / Willow - Soapberry / Alpine sweet-vetch	<i>Populus balsamifera</i> / <i>Salix</i> spp. – <i>Shepherdia canadensis</i> / <i>Hedysarum alpinum</i>
B29	Balsam poplar / Shrubby cinquefoil - Soapberry / Alpine sweet-vetch	<i>Populus balsamifera</i> / <i>Dasiphora fruticosa</i> – <i>Shepherdia canadensis</i> / <i>Fragaria virginiana</i>
B31	Balsam poplar / Willow / Fireweed	<i>Populus balsamifera</i> / <i>Salix</i> spp. / <i>Chamerion angustifolium</i>
B52	Balsam poplar / Willow / Water sedge - Horsetail	<i>Populus balsamifera</i> / <i>Salix</i> spp. / <i>Carex aquatilis</i> – <i>Equisetum</i> spp.
ASw	POPULUS TREMULOIDES – PICEA GLAUCA (Trembling aspen – White spruce)	
ASw05	Aspen – White spruce / Kinnikinnick	<i>Populus tremuloides</i> – <i>Picea glauca</i> / <i>Arctostaphylos uva-ursi</i>
ASw06	Aspen – White spruce / Soapberry / Fireweed	<i>Populus tremuloides</i> – <i>Picea glauca</i> / <i>Shepherdia canadensis</i> / <i>Chamerion angustifolia</i>
ASw07	Aspen – White spruce / Purple reedgrass – Kinnikinnick	<i>Populus tremuloides</i> – <i>Picea glauca</i> / <i>Calamagrostis purpureascens</i> – <i>Arctostaphylos uva-ursi</i>
ASw12	Aspen – White spruce / Shrub birch / Crowberry	<i>Populus tremuloides</i> – <i>Picea glauca</i> / <i>Betula glandulosa</i> / <i>Empetrum nigrum</i>
ASw21	Aspen – White spruce / Alder - Highbush cranberry / Dwarf red raspberry - Bunchberry	<i>Populus tremuloides</i> – <i>Picea glauca</i> / <i>Alnus viridis</i> – <i>Viburnum edule</i> / <i>Rubus pubescens</i> – <i>Cornus canadensis</i>
ASw26	Aspen – White spruce / Fireweed – Kinnikinnick	<i>Populus tremuloides</i> – <i>Picea glauca</i> / <i>Chamerion angustifolium</i> – <i>Arctostaphylos uva-ursi</i>
ASw27	Aspen – White spruce (Black spruce) / Labrador tea / Bastard toadflax	<i>Populus tremuloides</i> – <i>Picea glauca</i> (<i>P. mariana</i>) / <i>Rhododendron groenlandicum</i> / <i>Geocaulon lividum</i>
ASw29	Aspen – White spruce / River alder / Dwarf red raspberry - Horsetail	<i>Populus tremuloides</i> – <i>Picea glauca</i> / <i>Alnus incana</i> / <i>Rubus pubescens</i> – <i>Equisetum</i> spp.
ASw30	Aspen – White spruce / Horsetail - Bunchberry	<i>Populus tremuloides</i> – <i>Picea glauca</i> / <i>Equisetum</i> spp. – <i>Cornus canadensis</i>
AP APSw	POPULUS TREMULOIDES – PINUS CONTORTA (Trembling aspen – Lodgepole pine)	
AP04	Aspen – Pine / Kinnikinnick / Lichen	<i>Populus tremuloides</i> – <i>Pinus contorta</i> / <i>Arctostaphylos uva-ursi</i> / Lichen
AFP10	Aspen - Fir - Pine / Shrub birch - Juniper / Kinnikinnick	<i>Populus tremuloides</i> – <i>Abies lasiocarpa</i> – <i>Pinus contorta</i> / <i>Betula glandulosa</i> – <i>Juniperus communis</i> / <i>Arctostaphylos uva-ursi</i>
APSw03	Aspen – Pine – White spruce / Kinnikinnick	<i>Populus tremuloides</i> – <i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Arctostaphylos uva-ursi</i>

AP27	Aspen – Pine / Lowbush cranberry / Feathermoss	<i>Populus tremuloides</i> – <i>Pinus contorta</i> (<i>Picea glauca</i>) / <i>Vaccinium vitis-idaea</i> / Feathermoss
AP22	Aspen - Fir - Pine / Alder/ Lowbush cranberry / Feathermoss	<i>Populus tremuloides</i> – <i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Alnus viridis</i> / <i>Vaccinium vitis-idaea</i> / Feathermoss
APsb27	Aspen – Pine - Black spruce / Lowbush cranberry / Feathermoss	<i>Populus tremuloides</i> – <i>Pinus contorta</i> – <i>Picea mariana</i> / <i>Vaccinium vitis-idea</i> / Feathermoss
APSw25	Aspen – Pine – White spruce / Soapberry	<i>Populus tremuloides</i> – <i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Shepherdia canadensis</i>
APSw06	Aspen – Pine – White spruce / Purple reedgrass / Kinnikinnick	<i>Populus tremuloides</i> – <i>Pinus contorta</i> – <i>Picea glauca</i> / <i>Calamagrostis purpurescens</i> / <i>Arctostaphylos uva-ursi</i>
W	BETULA NEOALASKANA (Alaska paper birch)	
W25	Alaska birch / Alder - Prickly rose	<i>Betula neoalaskana</i> / <i>Alnus viridis</i> – <i>Rosa acicularis</i>
W27	Alaska birch / Prickly rose / Bluejoint reedgrass	<i>Betula neoalaskana</i> / <i>Rosa acicularis</i> / <i>Calamagrostis canadensis</i>
W30	Alaska birch / Currant / Horsetail	<i>Betula neoalaskana</i> / <i>Ribes spp.</i> / <i>Equisetum spp.</i>
W33	Alaska birch / Alder - Northern Labrador tea	<i>Betula neoalaskana</i> / <i>Alnus viridis</i> – <i>Rhododendron tomentosum</i>
W32	Alaska birch / Shrub birch - Labrador tea	<i>Betula occidentalis</i> / <i>Betula glandulosa</i> – <i>Rhododendron groenlandicum</i>
W39	Alaska birch / Northern Labrador tea / Peat moss	<i>Betula neoalaskana</i> / <i>Rhododendron tomentosum</i> / <i>Sphagnum</i>
PW	PINUS CONTORTA - BETULA NEOALASKANA	
PW25	Pine - Alaska birch / Alder - Highbush cranberry / Bunchberry	<i>Pinus contorta</i> – <i>Betula neoalaskana</i> / <i>Alnus viridis</i> - <i>Viburnum edule</i> / <i>Cornus canadensis</i>