

APPENDIX E: EXISTING VEGETATION REFERENCES & CODES

Table 1: Existing Vegetation References

Code	Name	Author
CAL	Forest Inventory and Analysis User Guide. USDA Forest Service, Pacific Southwest Region. May 1997	USDA Forest Service
EWDB	Hansen, Mark H.; Frieswyck, Thomas; Glover, Joseph F.; Kelly, John F. 1992. The Eastwide Forest Inventory Database: Users Manual. Gen. Tech. Rep. NC-151. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station, 48 p.	U.S. Dept. of Agriculture
FSH	Forest Service Handbook FSH 2409.14. Timber Management Information System Handbook Amendment No. 2409.14-92-15. Effective Nov. 3, 1992. 2409.14.81 Part 01. pp. 19-23.	USDA Forest Service
FSHR8	Forest Service Handbook. Atlanta, GA, R8 FSH2409.26d. Silvicultural Examination and Prescription Handbook. R8 Amendment No. 2409.26d-93-1.	USDA Forest Service
FSHR9	Forest Service Handbook. Milwaukee, WI. FSH2409.21d-R9. Compartment Prescription Handbook, FSH 6/84. Amendment 20, April 1974. pp. 260.2-2.	USDA Forest Service
PNW	PNW-GTR-418. Pacific Northwest Ecoclass Codes for Seral and Potential Natural Communities. April 1998. A subset of PVRef 639, High-level codes to classify existing vegetation.	USDA Forest Service
R6F02	Region 6 Forest 2 (Fremont-Winema) Existing Vegetation Codes	USDA Forest Service, Reg. 6
RPA	Resource Planning Act	USDA Forest Service
SAF	Forest Cover Types of the United States and Canada.	F.H. Eyre, Editor. Society of American Foresters (1980)
SRM	Society for Range Management	Society of Range Management
1001	Region 10; Resource Information Management: Data Dictionary for the Chugach National Forest	USDA Forest Service
1003	Yakutat Existing Veg Classification, 1995	Michael Shepard, Chatham Area Ecologist

Table 2: California Vegetation Codes (CAL)

Code	Description
AB	Santa Lucia fir
AC	Alpine cushion plant
AD	White bursage
AG	Agriculture
AK	Alkaline flats
AN	Mendocino manzanita
AX	Mixed alpine scrub
BA	Barren
BB	Bitterbrush
BC	Saltbush
BG	Greasewood
BI	Littleleaf mountain mahogany
BL	Low sagebrush
BM	Curlleaf mountain mahogany
BP	Bristlecone pine
BQ	Basin mixed scrub
BR	Rabbitbrush
BS	Basin sagebrush
BT	Big tree (giant sequoia)
BX	High desert – montane chaparral transition
BZ	Basin – desert transition scrub
C1	Ultramafic mixed shrub
CA	Chamise
CB	Salal – California huckleberry shrub

Code	Description
CC	Ceanothus mixed chaparral
CD	Southern mixed chaparral
CE	Mountain misery
CG	Greenleaf manzanita
CH	Hucklenerry oak
CI	Deerbrush
CJ	Brewer oak
CK	Coyote brush
CL	Wedgeleaf ceanothus
CM	Upper mountain mixed shrub
CN	Pinemat manzanita
CP	Bush chinquapin
CQ	Lower montane mixed chaparral
CR	Red Shanks chaparral
CS	Scrub oak
CT	Tucker/Muller scrub oak
CV	Snowbrush
CW	Whiteleaf manzanita
CX	Upper montane mixed chaparral
CY	Mountain whitethorn
CZ	Semi-desert chaparral
DA	Blackbush
DB	Desert buckwheat
DC	Cholla
DD	Croton

Code	Description
DE	Arrowweed
DF	Pacific Douglas-fir
DG	Douglas-fir – grand fir
DI	Indigo bush
DJ	Spiny Menodora
DL	Creosote bush
DM	Bigcone Douglas-fir
DO	Ocotillo
DP	Douglas-fir – ponderosa pine
DQ	Douglas-fir – canyon live oak
DS	Shadscale
DT	Douglas-fir – tanoak
DU	Dune
DV	Mixed desert succulent shrub
DW	Douglas-fir – white fir
DX	Mixed desert shrub
EA	Englemann spruce
EP	Eastside pine
EX	Coastal mixed hardwood
FD	Ephedra
FM	Curlleaf mountain mahogany (tree)
FO	Water birch
FP	Foxtail pine
GF	Grand fir
GR	Unknown dry grass / forbs legacy

Code	Description
HA	Alkaline mixed grass / forbs
HC	Pickleweed – cord grass
HD	Unknown hardwood legacy
HG	Annual grass / forbs
HJ	Wet meadows grass / sedge / rush
HM	Perennial grass / forbs
HS	Cheesebush
HT	Tule – cattail
IA	Non-native / invasive grass
IC	Non-native / ornamental conifer
IG	Non-native / ornamental grass
IH	Non-native / ornamental hardwood
IM	Non-native / ornamental conifer / hardwood
IS	Non-native / ornamental shrub
JC	California juniper (shrub)
JP	Jeffrey pine
JT	California juniper (tree)
JU	Utah juniper
KP	Knobcone pine
LP	Lodgepole pine
LS	Scalebroom
MB	Mixed conifer – giant sequoia
MC	Cuyamaca cypress
MD	Incense cedar
MF	Mixed conifer – fir

Code	Description
MG	Gowen cypress
MH	Mountain hemlock
MI	Plute cypress
MK	Klamath mixed conifer
ML	Baccharis (riparian)
MM	Monterey cypress
MN	McNab cypress
MO	Baker cypress
MP	Mixed conifer – pine
MS	Sargent cypress
MT	Tecate cypress
MU	Ultramafic mixed conifer
MY	Pygmy cypress
MZ	Santa Cruz cypress
NA	Alkaline mixed scrub
NB	Missed desert wash shrub
NC	North coast mixed shrub
NM	Riparian mixed shrub
NQ	High desert mixed shrub
NR	Mixed riparian hardwoods
NX	Mixed hardwoods (non-productive)
PB	Brewer spruce
PC	Coulter pine
PD	Gray pine
PJ	Singleleaf pinyon pine

Code	Description
PL	Limber pine
PM	Bishop pine
PO	Port Orchard cedar
PP	Ponderosa pine
PQ	Fourneedle pinyonpine
PR	Monterey pine
PS	Shore pine
PT	Torrey pine
PW	Ponderosa pine – white fir
Q1	Live oak – madrone
QA	Coast live oak
QB	California bay
QC	Canyon live oak
QD	Blue oak
QE	White alder
QF	Fremont cottonwood
QG	Oregon white oak
QH	Madrone
QI	California buckeye
QJ	Cottonwood – alder
QK	Black oak
QL	Valley oak
QM	Bigleaf maple
QN	Englemann oak
QO	Willow

Code	Description
QP	California sycamore
QQ	Quaking aspen
QR	Red alder
QS	Willow – aspen
QT	Tanoak (madrone)
QV	California Walnut
QW	Interior live oak
QX	Black cottonwood
QY	Willow – alder
QZ	Eucalyptus
RD	Redwood – Douglas-fir
RF	Red fir
RS	Alluvial fan sage scrub
RW	Redwood
SA	Subalpine conifers
SB	Buckwheat
SC	Blueblossom ceanothus
SD	Manzanita Chaparral
SE	Encelia scrub
SG	Sitka spruce – grand fir
SH	Coastal bluff scrub
SI	Bladderpod
SK	Sitka spruce
SL	Coastal lupine
SM	Sumac shrub

Code	Description
SN	Snow/ice
SO	Coastal cactus
SP	Sage (Salvai spp.)
SQ	Mixed soft scrub chaparral
SR	Sitka spruce – redwood
SS	California sagebrush
SY	Chaparral yucca
TA	Mountain alder
TB	Bitterbrush – sagebrush
TC	Tree chinquapin
TM	Horsebrush
TN	Black sagebrush
TR	Rothrock sagebrush
TS	Snowberry
TT	Big basin sagebrush
TV	Mountain sagebrush
TW	Wyoming sagebrush
TX	Montane mixed hardwoods
UB	Urban/developed
UD	Desert willow
UI	Desert ironwood
UJ	Joshua Tree
UL	Catclaw acacia
UM	Mesquite
UP	Palo Verde

Code	Description
UT	Tamarisk
UW	Fan Palm
UX	Smoke tree
WA	Water
WB	Whitebark pine
WD	Dogwood
WF	White fir
WJ	Western juniper
WL	Willow (shrub)
WM	Birchleaf mountain mahogany
WP	Washoe pine
WW	Western white pine
XC	Unknown conifer
XG	Unknown dry grass/forbs
XH	Unknown hardwood
XI	Unknown non-native/ornamental
XJ	Unknown wet grass/forbs
XS	Unknown shrub
XX	Not yet mapped
XZ	Unknown barren

Table 3: Eastwide Database Codes (EWDB)

Code	Description
00	White – red – jack pine
01	Jack pine
02	Red pine
03	White pine
04	White pine – hemlock
05	Hemlock
06	Scotch pine
07	Ponderosa pine
10	Spruce - fir
11	Balsam fir
12	Black spruce
13	Red spruce – balsam fir
14	Northern white-cedar
15	Tamarack
16	White spruce
17	Norway spruce
18	Larch
19	Red spruce
20	Longleaf – slash pine
21	Longleaf pine
22	Slash pine
30	Loblolly – shortleaf pine
31	Loblolly pine
32	Shortleaf pine

Code	Description
33	Virginia pine
34	Sand pine
35	Eastern red cedar
36	Pond pine
37	Spruce pine
38	Pitch pine
39	Table-mountain pine
40	Oak – pine
41	White pine – northern red oak – wash
42	Eastern red cedar – hardwood
43	Longleaf pine – scrub oak
44	Shortleaf pine – oak
45	Virginia pine – southern red oak
46	Loblolly pine – hardwood
47	Slash pine – hardwood
49	Other oak - pine
50	Oak – hickory
51	Post oak – black oak – bear oak
52	Chestnut oak
53	White oak – red oak – hickory
54	White oak
55	Northern red oak
56	Yellow-poplar – white oak – northern red oak
57	Southern scrub oak
58	Sweetgum – yellow-poplar

Code	Description
59	Mixed central hardwoods
60	Oak – Gum – cypress
61	Swamp chestnut oak – cherrybark oak
62	Sweetgum – nuttall oak – willow oak
63	Sugarberry – American elm – green ash
65	Overcup oak – water hickory
66	Atlantic water cedar
67	Baldcypress – water tupelo
68	Sweetbay – swamp tupelo – red maple
69	Palm-mangrove – other tropical
70	Elm – ash – cottonwood
71	Black ash – American elm – red maple
72	River birch – sycamore
73	Cottonwood
74	Willow
75	Sycamore – pecan – American elm
76	Red maple – lowland
79	Mixed lowland hardwoods
80	Maple – beech – birch
81	Sugar maple – beech – yellow birch
82	Black cherry
83	Black walnut
84	Red maple – northern hardwood
87	Red maple – upland
88	Northern hardwood – reverting field

Code	Description
89	Mixed northern hardwoods
90	Aspen – birch
91	Aspen
92	Paper birch
93	Gray birch
94	Balsam poplar
99	Nonstocked

Table 4: Forest Service Handbook Codes (FSH)

Code	Description
01	Jack pine
02	Red pine
03	White pine
04	White pine – hemlock
05	Hemlock
11	Balsam fir, aspen, paper birch
12	Black spruce
13	Red spruce, balsam fir
14	Northern white-cedar
15	Tamarack
16	White spruce, balsam fir, Norway spruce
17	Upland black spruce
18	Mixed swamp conifer
19	Cedar, aspen, paper birch
31	Loblolly pine
32	Shortleaf pine

Code	Description
33	Virginia pine
35	Eastern red cedar
38	Pitch pine
41	White pine, northern red oak, white ash
42	Eastern red cedar, hardwood
44	Shortleaf pine, oak
48	Jack pine-oak
49	Red pine-oak
51	Post oak, blackjack oak
52	Chestnut oak
53	Black oak, scarlet oak/hickory
54	White oak
55	Northern red oak
56	Yellow poplar, white oak, northern red oak
57	Scarlet oak (Mark Twain)
58	Sweetgum, yellow poplar
59	Mixed oaks
61	Swamp chestnut oak, cherrybark oak, pin oak
62	Sweetgum, nuttall oak, willow oak
67	Baldcypress-water tupelo
71	Black ash, American elm, red maple
72	River birch, sycamore
73	Cottonwood
75	Sycamore, pecan, American elm
76	Red maple (wet site)

Code	Description
77	Green ash
78	Black walnut
79	Mixed lowland hardwoods
81	Sugar maple, beech, yellow birch
82	Sugar maple, basswood
83	Black cherry, white ash, yellow poplar
84	Red maple (dry site)
85	Sugar maple
86	Beech
87	Sugar maple-beech-yellow birch-red spruce
88	Black locust
89	Mixed upland hardwoods
91	Quaking aspen
92	Paper birch
93	Bigtooth aspen
94	Balsam poplar
95	Aspen, white spruce, balsam fir
97	Lowland shrub
98	Upland shrub
99	Open

Table 5: Forest Service Handbook Codes – Region 8 (FSHR8)

Code	Description	Management Type?
2	Red pine	Yes
3	White pine	Yes
4	White pine – hemlock	No
5	Hemlock	No
6	Fraser fir	No
7	Red spruce – frasier fir	Yes
8	Hemlock – hardwood	Yes
9	White pine – cove hardwood	Yes
10	White pine – upland hardwood	Yes
11	Easter red cedar – hardwood	No
12	Shortleaf pine – oak	Yes
13	Loblolly pine – hardwood	Yes
14	Slash pine – hardwood	Yes
15	Pitch pine – oak	Yes
16	Virginia pine – oak	Yes
17	Red spruce – northern hardwood	No
18	Pond pine – hardwood	No
19	Sand pine – hardwood	No
20	Table Mountain pine – hardwood	Yes
21	Longleaf pine	Yes
22	Slash pine	Yes
23	Pondcypress	Yes
24	Baldcypress	Yes
25	Yellow pine	Yes

Code	Description	Management Type?
26	Longleaf pine – hardwood	Yes
27	Longleaf pine – slash pine	No
28	Shortleaf pine – loblolly pine	No
29	Loblolly pine – longleaf pine	No
30	Longleaf pine – shortleaf pine	No
31	Loblolly pine	Yes
32	Shortleaf pine	Yes
34	Sand pine	Yes
35	Eastern red cedar	Yes
36	Pond pine	Yes
37	Spruce pine	No
38	Pitch pine	Yes
39	Table Mountain pine	Yes
40	Hardwood – pond pine	No
41	Cove hardwood – white pine – hemlock	Yes
42	Upland hardwoods – white pine	Yes
43	Oak – Eastern red cedar	No
44	Southern red oak – yellow pine	Yes
45	Chestnut oak – scarlet oak – yellow pine	Yes
46	Bottomland hardwood – yellow pine	Yes
47	White oak – black oak – yellow pine	Yes
48	Northern red oak – hickory – yellow pine	Yes
49	Bear oak – southern scrub oak – yellow pine	Yes
50	Yellow poplar	Yes
51	Post oak – black oak	Yes

Code	Description	Management Type?
52	Chestnut oak	Yes
53	White oak – northern red oak – hickory	Yes
54	White oak	Yes
55	Northern red oak	Yes
56	Yellow poplar – white oak – northern red oak	Yes
57	Scrub oak	Yes
58	Sweetgum – yellow poplar	Yes
59	Scarlet oak	Yes
60	Chestnut oak – scarlet oak	Yes
61	Swamp chestnut oak – cherrybark oak	Yes
62	Sweetgum – oak	Yes
63	Sugarberry – American elm – green ash	Yes
64	Laurel oak – willow oak	Yes
65	Overcup oak – water hickory	No
66	Atlantic white cedar	No
67	Baldcypress – water tupelo	Yes
68	Sweetbay – swamp tupelo – red maple	Yes
69	Beech – magnolia	Yes
70	Black cherry	Yes
71	Black ash – American elm – red maple	No
72	River birch – sycamore	Yes
73	Cottonwood	No
74	Willow	No
75	Sycamore – pecan – American elm	Yes
76	Silver maple – American elm	No

Code	Description	Management Type?
77	Oak hammock	Yes
78	American chestnut	No
79	Slash pine – cypress	No
80	Upland oak	No
81	Sugar maple – beech – yellow birch	Yes
82	Black walnut	No
83	Black birch	No
84	Chestnut oak – white oak – scarlet oak	No
85	White oak – black oak – hickory	No
87	Red maple	No
88	Black locust	No
90	Non-forest	No
97	Live oak	Yes
98	Undrained flatwoods	No
99	Brush species	No
800	Novaculite Glade (includes talus)	No
801	Cliff and Talus (sandstone, shale)	No
802	Glade and Barrens (sandstone, shale)	No
803	Calcareous Prairie	No
804	Seep/Spring	No
805	Montane Oak	No
806	Ozark Clacareous Glade and Barren (Ozark)	No
807	Sinkhole and Depression Pond (Ozark)	No
808	Clacareous Cliff and Talus (Ozark)	No
809	Prairie and Woodland (Ozark)	No

The Existing Vegetation type code is a classification of the forest overstory cover type currently existing on the stand. These codes are also used to identify management type. Existing Vegetation type is based on one or more species of trees that comprise the main crown canopy (i.e., the dominants and co-dominants). These codes generally conform to definitions in "Forest Cover Types of the United States and Canada," Society of American Foresters (1980) with some notable exceptions. They are divided into four broad groups as follows:

- Pine Types: Stands in which 70 percent or more of the basal area of trees with dominant and co-dominant crowns are softwoods, the specific name represents the species comprising the plurality.
- Pine-Hardwood Types: Stands in which 51-69 percent of the basal area of trees with dominant and co-dominant crowns are softwood species. Use the type name associated with the softwood species comprising the plurality.
- Hardwood-Pine Types: Stands in which 51-69 percent of the basal area of trees with dominant and co-dominant crowns are hardwoods. Use the type name associated with the hardwood species comprising the plurality.
- Hardwood Types: Stands in which 70 percent or more of the basal area of trees with dominant and co-dominant crowns are hardwoods. Use the type name associated with the hardwood species comprising the plurality.

The SAF cover type classification requires a stand to exceed 80 percent in one species to be considered pure as opposed to the 70 percent threshold used in the Region 8 classification. The SAF cover type classification considers all mixtures of pine and hardwood that have less than 80 percent stocking of one species group as pine hardwood types. The Region 8 approach divides the groups into Pine-Hardwood and Hardwood-Pine.

The percentage of softwood and hardwood in the Region 8 classification applies to the particular mixture of trees at any single sample point. This is not the same as, and should not be confused with intermingling of less-than-stand-size areas of pine type in a hardwood stand or of a hardwood type in a pine stand. These less-than-stand-size areas should be treated as pine inclusions in hardwood stands or hardwood inclusions in pine stands. In heterogeneous areas with neither type being of stand size, forest type should be assigned on the basis of the type occupying the plurality of the area. Such situations should not be assigned a pine-hardwood or hardwood-pine forest type unless individual plot classifications for a plurality of the area are a mixed type.

- Management Types: Existing Vegetation codes are used to identify management type. The management type classification reflects the vegetation type that should be produced on the site to best meet the goals and objectives of the Forest Plan. For areas classified as suitable for timber production and allocated to management prescriptions with timber production management emphasis, the management type is the vegetation type that optimizes the productive capability of the site to produce high quality material. These same criteria also apply to all other areas unless the Forest Plan requires occupying the site with another, less productive vegetation type, to meet some other resource goal or objective.

Assigning a Management Type code to a stand implies that you expect the Existing Vegetation type to be this code after the next regeneration. For example, 74 Willow is not an acceptable Management Type because we would not regenerate a stand and expect to see Willow as the resulting Existing Vegetation Type.

Note: CISC used four levels of Management Type. Those levels have been removed from use as of the transition to FSVeg. If this causes a problem for you, please let me know.

-David Belcher

Table 6: Forest Service Handbook Codes – Region 9 (FSHR9)

Code	Description
1	Jack pine
2	Red pine
3	Eastern white pine
4	Eastern white pine – hemlock
5	Hemlock
6	Scotch pine
7	Norway spruce
8	White spruce
9	Conifers (Allegheny)
10	Spruce
11	Balsam fir – aspen/paper birch
12	Black spruce
14	Red spruce – balsam fir
15	Tamarack
16	White spruce – balsam fir
17	Upland black spruce
18	Mixed swamp conifers
19	Northern white cedar – aspen/paper birch
20	Northern hardwoods – hemlock
21	Mixed northern hardwoods
22	Upland northern white cedar
23	White spruce – balsam fir – aspen
24	Balsam fir
30	Mixed pines

Code	Description
31	Loblolly pine
32	Shortleaf pine
33	Virginia pine
35	Eastern red cedar
38	Pitch pine
41	Eastern white pine – northern red oak/white ash
42	Eastern red cedar – hardwood
43	Oak – eastern white pine
44	Shortleaf pine – oak
45	Virginia pine – hardwoods
46	Oak – shortleaf pine
47	Oak – aspen
48	Jack pine – oak
49	Red pine – oak
50	Pin oak
51	Post oak/blackjack oak
52	Chestnut oak
53	Black oak/scarlet oak/hickory
54	White oak
55	Northern red oak
56	Yellow poplar/white oak/northern red oak
57	Scarlet oak (Mark Twain)
58	Sweetgum – yellow poplar
59	Mixed oaks
60	Oak – hardwoods

Code	Description
61	Swamp chestnut oak/cherrybark oak/pin oak
62	Sweetgum – Nuttall oak/willow oak
63	Northern pin oak
67	Baldcypress/water tupelo
70	Sugar maple – black cherry
71	Black ash – American elm/red maple
72	River birch/sycamore
73	Cottonwood
74	White ash
75	Sycamore – pecan/American elm
76	Red maple (wet site)
77	Green ash
78	Black walnut
79	Mixed lowland hardwoods
80	Sugar maple – northern red oak
81	Sugar maple – beech/yellow birch
82	Sugar maple – basswood
83	Black cherry – white ash/yellow poplar
84	Red maple (dry site)
85	Sugar maple
86	Beech
87	Sugar maple – beech – yellow birch/red spruce
88	Black locust
89	Mixed upland hardwoods
90	Sugar maple – beech/basswood

Code	Description
91	Quaking aspen
92	Paper birch
93	Bigtooth aspen
94	Balsam poplar
95	Aspen – white spruce/balsam fir
96	Birch
97	Lowland shrubs
98	Upland shrubs
99	Open
100	Reserved for Midewin Tall Grass Prairie
101	Reserved for Midewin Tall Grass Prairie
102	Reserved for Midewin Tall Grass Prairie
103	Reserved for Midewin Tall Grass Prairie
104	Reserved for Midewin Tall Grass Prairie
105	Reserved for Midewin Tall Grass Prairie
106	Reserved for Midewin Tall Grass Prairie
107	Reserved for Midewin Tall Grass Prairie
108	Reserved for Midewin Tall Grass Prairie
109	Reserved for Midewin Tall Grass Prairie

Table 7: Pacific Northwest Ecoclass Codes for Seral and Potential Natural Communities (PNW)

Code	Description
AB	Buildings, structures, roads, campgrounds
AC	Cultivated lands
AG	Grasslands: permanent pasture that is maintained in forest, shrub, or desert climates
AO	Orchards: maintained exotic forest stands
AR	Recreation areas; parks, golf courses, or play areas
AX	Administrative or agricultural (no descriptor specified)
CA	Alpine open, forest park
CC	Western red cedar
CD	Douglas-fir
CE	Subalpine fir, Englemann spruce
CF	Silver or noble fir
CH	Hemlock, western
CJ	Juniper, western
CL	Lodgepole pine
CM	Mountain hemlock
CP	Ponderosa, Jeffery pine
CR	Red fir
CS	Sitka spruce
CW	Grand or white fir
CX	Coniferous forest (no descriptor specified)
FM	Moist (mesic) forbland
FS	Subalpine or alpine forbland
FW	Wet forbland
FX	Forbland (no descriptor specified)

Code	Description
GA	Annual grasslands
GB	Bunchgrasses
GM	Mesic (forest zone) grasslands
GR	Rhizomatous grass-sedge
GS	Subalpine or alpine grass or sedge lands
GX	PNC grassland (no descriptor specified)
HA	Alder
HB	Bigleaf maple
HC	Cottonwood – ash bottoms
HL	Canyon live oak tree size
HO	Oak, Oregon or black
HQ	Quaking aspen
HT	Tanoak tree size
HX	Hardwood woodlands or forest (no descriptor specified)
MD	Dry meadow
MM	Moist meadow
MS	Subalpine or alpine wet meadow
MT	Tule, standing water
MW	Wet meadow
MX	Meadow; grass/sedge (no descriptor specified)
NC	Cinders, lava flow, mud flow, glacial wash; continuous disturbance or low site potential precludes vegetation reaching over 10 percent crown cover
NF	Flood plain periodically denuded of vegetation with no foreseeable means of establishing plants
NI	Ice fields, glaciers, perennial snow

Code	Description
NL	Landform failure, natural slumps, avalanches, avalanche trails with little practical means of establishing vegetative cover
NM	Mining tailings, dredging; human-caused disturbances, which has little current vegetation potential
NR	Rocky lands with too little soil (or no soil) for good vegetative cover
NS	Sand with minimal vegetative cover; shoreline or interior dune
NT	Talus with minimal vegetative potential
NX	Non-vegetated land; less than 10 percent crown cover potential (no descriptor specified)
SC	Chaparral
SD	Dry shrubland (sagebrush)
SM	Mesic (forest zone) shrublands
SS	Subalpine to alpine shrublands
SW	Wet shrublands
SX	PNC shrubland (no descriptor specified)
WL	Lakes, ponds, impoundments; perennial or intermittent
WR	Running water bodies, streams, rivers, creeks, ditches; perennial or intermittent
WX	Water-covered areas (no descriptor specified)

Table 8: Existing Region 6 Forest 2 (Fremont-Winema) Vegetation Codes

EV Code	Common Name
1	Silver fir
2	White fir
3	Grand fir
4	Subalpine fir
5	Noble fir
6	Red fir
7	Bigleaf maple
8	Red alder
9	Pacific madrone
10	Incense cedar
11	True mountain mahogany
12	Chinquapin
13	Ash
14	Western juniper
15	Western larch
16	Whitebark pine
17	Lodgepole pine
18	Englemann spruce
19	Western white pine
20	Ponderosa pine
21	Quaking aspen
22	Interior Douglas-fir (east of CA)
23	Oregon white bark
24	Black oak

EV Code	Common Name
25	Early seral
26	Willow
27	Western red cedar
28	Western hemlock
29	Mountain hemlock
30	Ponderosa pine mix
31	Ponderosa – lodgepole pine mix
32	Ponderosa pine – Douglas-fir
33	Ponderosa pine – western juniper – Douglas-fir
34	Western juniper – ponderosa pine
35	Douglas-fir/Pacific yew
36	Mixed conifer dry
37	Mixed conifer mesic
38	Mixed conifer moist
39	Upper montane mixed conifer
40	Upper montane moist mixed conifer
41	Whitebark pine mix
42	Lodgepole pine mix
43	Lodgepole pine – Englemann spruce
44	Mountain hemlock mix
45	Englemann spruce – subalpine fir
46	Mixed conifer – deciduous forest dry
47	Mixed conifer – deciduous forest moist
48	Western juniper – deciduous mix
49	Mixed deciduous forest dry

EV Code	Common Name
50	Mixed deciduous forest moist
51	Port Orchard cedar
52	Tanoak
53	Knobcone pine
54	Jeffrey pine
55	Sugar pine
56	Sitka spruce
57	Bitter cherry
58	Canyon live oak
59	Redwood
60	Knobcone pine mix
61	Jeffrey pine mix
255	Non-forested

Table 9: Forest Cover Type of the Society of American Foresters (SAF)

Code	Description
00	Non Forest Types
01	Jack Pine
05	Balsam Fir
12	Black Spruce
13	Black spruce – tamarack
14	Northern pin oak
15	Red pine
16	Aspen
17	Pin cherry
18	Paper birch

Code	Description
19	Gray birch – red maple
20	White pine – northern red oak – red maple
21	Eastern white pine
22	Eastern pine – hemlock
23	Eastern hemlock
24	Hemlock – yellow birch
25	Sugar maple – beech – yellow birch
26	Sugar maple – basswood
27	Sugar maple
28	Black cherry – maple
30	Red spruce – yellow birch
31	Red spruce – sugar maple – beech
32	Red spruce
33	Red spruce – balsam fir
34	Red spruce – Fraser fir
35	Paper birch – red spruce – balsam fir
37	Northern white-cedar
38	Tamarack
39	Black ash – American elm – red maple
40	Post oak – blackjack oak
42	Bur oak
43	Bear oak
44	Chestnut oak
45	Pitch pine
46	Eastern red cedar

Code	Description
50	Black locust
51	White pine – chestnut oak
52	White oak – black oak – northern red oak
53	White oak
55	Northern red oak
57	Yellow poplar
58	Yellow poplar – eastern hemlock
59	Yellow poplar – white oak – northern red oak
60	Beech – sugar maple
61	River birch – sycamore
62	Silver maple – American elm
63	Cottonwood
64	Sassafras – persimmon
65	Pin oak – sweetgum
66	Ashe juniper – redberry (Pinchot) juniper
67	Mohrs (shin) oak
68	Mesquite
69	Sand pine
70	Longleaf pine
75	Shortleaf pine
76	Shortleaf pine – oak
79	Virginia pine
80	Loblolly pine – shortleaf pine
81	Loblolly pine
83	Longleaf pine – slash pine

Code	Description
84	Slash pine
98	Pond pine
108	Red maple
111	South Florida slash pine
201	White spruce
203	Balsam poplar
205	Mountain hemlock
206	Englemann spruce – subalpine fir
208	Whitebark pine
209	Bristlecone pine
210	Interior Douglas-fir
211	White fir – limber fir
212	White fir
213	Western larch
214	Grand fir
215	Western white pine
216	Blue spruce
217	Aspen – western forests – middle elevation – interior
218	Lodgepole pine
219	Limber pine
220	Rocky Mountain juniper
224	Western hemlock
225	Western hemlock – Sitka spruce
227	Western red cedar – western hemlock
228	Western red cedar

Code	Description
230	Douglas-fir – western hemlock
235	Cottonwood – willow
236	Bur oak – western forests – low elevation – interior
236	Interior ponderosa pine
237	Interior ponderosa pine
238	Western juniper
239	Pinyon – juniper
240	Arizona cypress
241	Western live oak
242	Mesquite
251	White spruce – aspen
252	Paper birch

Table 10: Rangeland Cover Types of Society of Range Management (SRM)

Code	Description
102	Idaho fescue
104	Antelope bitterbrush – bluebunch wheatgrass
105	Antelope bitterbrush – Idaho fescue
107	Western juniper – big sagebrush – bluebunch wheatgrass
108	Alpine Idaho fescue
109	Ponderosa pine – shrubland
110	Ponderosa pine – grassland
201	Blue oak woodland
203	Riparian woodland
207	Scrub oak mixed chaparral

Code	Description
208	Ceanothus mixed chaparral
209	Montane shrubland
210	Bitterbrush
211	Creosote bush scrub
212	Blackbush
213	Alpine grassland
215	Valley grassland
216	Montane meadows
217	Wetlands
301	Bluebunch wheatgrass – blue grama
302	Bluebunch wheatgrass – Sandberg bluegrass
303	Bluebunch wheatgrass – western wheatgrass
304	Idaho fescue – bluebunch wheatgrass
305	Idaho fescue – Richardson needlegrass
306	Idaho fescue – slender wheatgrass
307	Idaho fescue – threadleaf sedge
308	Idaho fescue – tufted hairgrass
309	Idaho fescue – western wheatgrass
310	Needle-and-thread-blue grama
311	Rough fescue – bluebunch wheatgrass
312	Rough fescue – Idaho fescue
313	Tufted hairgrass – sedge
314	Big sagebrush – bluebunch wheatgrass
315	Big sagebrush – Idaho fescue
316	Big sagebrush – rough fescue

Code	Description
317	Bitterbrush – bluebunch wheatgrass
318	Bitterbrush – Idaho fescue
319	Bitterbrush – rough fescue
320	Black sagebrush – bluebunch wheatgrass
321	Black sagebrush – Idaho fescue
322	Curleaf mountain-mahogany – bluebunch wheatgrass
323	Shrubby cinquefoil – rough fescue
324	Threetip sagebrush – Idaho fescue
401	Basin big sagebrush
402	Mountain big sagebrush
403	Wyoming big sagebrush
404	Threetip sagebrush
405	Black sagebrush
406	Low sagebrush
407	Stiff sagebrush
408	Other sagebrush types
409	Tall forb
410	Alpine rangeland
411	Aspen woodland
412	Juniper – pinyon woodland
413	Gambel oak
414	Salt desert shrub
415	Curleaf mountain-mahogany
416	True mountain-mahogany
417	Littleleaf mountain-mahogany

Code	Description
418	Bigtooth maple
419	Bittercherry
420	Snowbush
421	Chokecherry – serviceberry – rose
422	Riparian
501	Saltbush – greasewood
502	Grama – galleta
503	Arizona chapparal
504	Juniper – pinyon pine woodland
505	Grama – tobosa shrub
506	Creosotebush – bursage
507	Palo Verde – cactus
508	Creosotebush – tarbush
509	Oak – juniper woodland and mahogany – oak
601	Bluestem prairie
602	Bluestem – prairie sandreed
603	Prairie sandreed – needlegrass
604	Bluestem – grama prairie
605	Sandsage prairie
606	Wheatgrass – bluestem – needlegrass
607	Wheatgrass – needlegrass
608	Wheatgrass – gama needlegrass
609	Wheatgrass – gama
610	Wheatgrass
611	Blue grama – buffalograss

Code	Description
612	Sagebrush – grass
613	Fesque grassland
614	Crested wheatgrass
615	Wheatgrass – saltgrass – grama
701	Alkali sacaton – tobosagrass
702	Black grama – alkali sacaton
703	Black grama – sideoats grama
704	Blue grama – western wheatgrass
705	Blue grama – galleta
706	Blue grama – sideoats grama
707	Blue grama – sideoats grama – black grama
708	Bluestem – dropseed
709	Bluestem – grama
710	Bluestem prairie
711	Bluestem – Sacahuista prairie
712	Galleta – alkali sacaton
713	Grama – muhly – treeawn
714	Grama – bluestem
715	Grama – buffalograss
716	Grama – feathergrass
717	Little bluestem – Indiangrass – Texas wintergrass
718	Mesquite – grama
720	Sand bluestem – little bluestem dunes
721	Sand bluestem – little bluestem plains
722	Sand bluesage – mixed prairie

Code	Description
724	Sideoats grama – New Mexico feathergrass – winterfat
725	Vine mesquite – alkali sacaton
726	Cordgrass
727	Mesquite – buffalograss
728	Mesquite – granjeno – acacia
729	Mesquite
730	Sand sinner oak
733	Juniper – oak
734	Mesquite – oak
735	Sideoats grama – sumac – juniper
801	Savanna
802	Missouri prairie
803	Missouri glades
804	Tall fescue
805	Riparian
809	Mixed hardwood and pine
822	Slough
901	Alder
902	Alpine herb
906	Broadleaf forest
908	Fescue
909	Freshwater marsh
910	Hairgrass
911	Lichen tundra
914	Mesic sedge – grass – herb meadow tundra

Code	Description
915	Mixed herb – herbaceous
916	Sedge – shrub tundra
917	Tall shrub swamp
918	Tussock tundra
919	Wet meadow tundra
921	Willow

Table 11: Region 10 Chugach Codes (1001)

Code	Description	Plant Code
1001	Lutz's spruce/Sitka alder	PILU/ALVIS
1002	Lutz's spruce/Sitka alder – rusty menziesia	PILU/ALVIS-MEFE
1003	Lutz's spruce/bluejoint	PILU/CACA4
1004	Lutz's spruce/spreading woodfern	PILU/DREX2
1005	Lutz's spruce/devilsclub	PILU/OPHO
1006	Lutz's spruce/field horsetail	PILU/EQAR
1007	Lutz's spruce/western oakfern	PILU/GYDR
1008	Lutz's spruce/twinflower	PILU/LIBO3
1009	Lutz's spruce/rusty menziensia	PILU/MEFE
1010	Lutz's spruce/rust menziensia (sparse)	PILU/MEFE
1011	Lutz's spruce/lingonberry	PILU/VAVI
1012	Lutz's spruce/Sitka alder – devilsclub	PILU/ALVIS-OPHO
1013	Lutz's spruce/Sitka alder/bluejoint/field horsetail	PILU/ALVIS/CACA4/EQAR
1014	Lutz's spruce/bluejoint/field horsetail	PILU/CACA4/EQAR
1015	Lutz's spruce/bluejoint/western oakfern	PILU/CACA4/GYDR
1016	Lutz's spruce/rusty menziensia/strawberryleaf raspberry	PILU/MEFE/RUPE

Code	Description	Plant Code
1017	Lutz's spruce/rusty menziensia/strawberryleaf raspberry – bluejoint	PILU/MEFE/RUPE/-CACA4
1018	Lutz's spruce/Barclay's willow	PILU/SABA3
1019	Lutz's spruce/red elderberry/fireweed	PILU/SARA2/CHANA2
1020	Lutz's spruce/dwarf bilberry	PILU/VACA13
1021	Lutz's spruce/bog blueberry	PILU/VAUL
1101	Black spruce/Sitka alder	PIMA/ALVIS
1102	Black spruce/lingonberry	PIMA/VAVI
1103	Black spruce/Sitka alder/bluejoint/field horsetail	PIMA/ALVIS/CACA4/EQAR
1104	Black spruce/Sitka alder/shrubby cinquefoil	PIMA/ALVIS/DAFL3
1105	Black spruce/black crowberry	PIMA/EMNI
1106	Black spruce/marsh Labrador tea/cloudberry	PIMA/LEPA22/RUCH
1107	black spruce/shrubby cinquefoil/beachhead iris	PIMA/DAFL3/IRSE
1108	Black spruce/cloudberry/field horsetail	PIMA/RUCH/EQAR
1109	Black spruce/bog blueberry	PIMA/VAUL
1201	Sitka spruce/Sitka alder	PISI/ALVIS
1202	Sitka spruce/Sitka alder – devilsclub	PISI/ALVIS-OPHO
1203	Sitka spruce/devilsclub	PISI/OPHO
1204	Sitka spruce/field horsetail	PISI/EQAR
1205	Sitka spruce/splendid feather moss	PISI/HYSP70
1206	Sitka spruce/American skunkcabbage	PISI/LYAM3
1207	Sitka spruce/salmonberry-devilsclub	PISI/RUSP-OPHO
1208	Sitka spruce/Barclay's willow	PISI/SABA3
1209	Sitka spruce/oval-leaf blueberry	PISI/VAOV
1210	Sitka spruce/oval-leaf blueberry-devilsclub	PISI/VAOV-OPHO

Code	Description	Plant Code
1211	Sitka spruce/oval-leaf blueberry/spreading woodfern	PISI/VAOV/DREX2
1301	Western hemlock/splendid feather moss	TSHE/HYSP70
1302	Western hemlock/oval-leaf blueberry	TSHE/VAOV
1303	Western hemlock/oval-leaf blueberry-devilsclub	TSHE/VAOV-OPHO
1304	Western hemlock/oval-leaf blueberry/spreading woodfern	TSHE/VAOV/DREX2
1305	Western hemlock/oval-leaf blueberry/American skunkcabbage	TSHE/VAOV/LYAM3
1306	Western hemlock/oval-leaf blueberry/grass	TSHE/VAOV/2GRAM
1307	Western hemlock/oval-leaf blueberry/grass	TSHE/VAOV/2GRAM
1401	Western hemlock-Sitka spruce/devilsclub	TSHE-PISI/OPHO
1402	Western hemlock-Sitka spruce/salmonberry-devilsclub	TSHE-PISI/RUSP-OPHO
1403	Western hemlock-Sitka spruce/oval-leaf blueberry	TSHE-PISI/VAOV
1404	Western hemlock-Sitka spruce/oval-leaf blueberry-devilsclub	TSHE-PISI/VAOV-OPHO
1405	Western hemlock-Sitka spruce/oval-leaf blueberry/American skunkcabbage	TSHE-PISI/VAOV/LYAM3
1406	Western hemlock-Sitka spruce/oval-leaf blueberry/grass	TSHE-PISI/VAOV/2GRAM
1501	Mountain hemlock/Sitka alder	TSME/ALVIS
1502	Mountain hemlock/Sitka alder-rusty menziesia	TSME/ALVIS-MEFE
1503	Mountain hemlock/Alaska bellheather	TSME/HAST3
1504	Mountain hemlock/spreading woodfern	TSME/DREX2
1505	Mountain hemlock/devilsclub	TSME/OPHO
1506	Mountain hemlock/splendid feather moss	TSME/HYSP70
1507	Mountain hemlock/rusty menziesia	TSME/MEFE
1508	Mountain hemlock/rusty menziesia-lingonberry	TSME/MEFE-VAVI

Code	Description	Plant Code
1509	Mountain hemlock/rusty menziesia (sparse)	TSME/MEFE
1510	Mountain hemlock/Aleutian mountainheath	TSME/PHAL4
1511	Mountain hemlock/oval-leaf blueberry	TSME/VAOV
1512	Mountain hemlock/oval-leaf blueberry/Alaska bellheather	TSME/VAOV/HAST3
1513	Mountain hemlock/oval-leaf blueberry/copperbush	TSME/VAOV/ELPY
1514	Mountain hemlock/oval-leaf blueberry-devilsclub	TSME/VAOV-OPHO
1515	Mountain hemlock/oval-leaf blueberry-rusty menziesia	TSME/VAOV-MEFE
1516	Mountain hemlock/oval-leaf blueberry/Pacific reedgrass	TSME/VAOV/CANU
1517	Mountain hemlock/oval-leaf blueberry/deercabbage	TSME/VAOV-NECR2
1518	Mountain hemlock/bog blueberry	TSME/VAUL
1519	Mountain hemlock/lingonberry	TSME/VAVI
1520	Mountain hemlock (krumholtz)	TSME
1521	Mountain hemlock/black crowberry-blueberry (dwarf tree scrub)	TSME/EMNI-VACCI
1522	Mountain hemlock/rusty menziesia-black crowberry	TSME/MEFE-EMNI
1523	Mountain hemlock/rusty menziesia-twinflower	TSME/MEFE-LIBO3
1524	Mountain hemlock/oval-leaf blueberry/grass	TSME/VAOV/2GRAM
1525	Mountain hemlock/oval-leaf blueberry/grass (etc.)	TSME/VAOV/2GRAM
1601	Mountain hemlock-Alaska cedar/oval-leaf blueberry-Alaska bellheather	TSME-CHNO/VAOV-HAST3
1701	Mountain hemlock-Lutz's spruce/devilsclub	TSME-PILU/OPHO
1702	Mountain hemlock-Lutz's spruce/splendid feather moss	TSME-PILU/HYSP70
1703	Mountain hemlock-Lutz's spruce/rusty menziesia	TSME-PILU/MEFE

Code	Description	Plant Code
1704	Mountain hemlock-Lutz's spruce/rusty menziesia-lingonberry	TSME-PILU/MEFE-VAVI
1705	Mountain hemlock-Lutz's spruce/rusty menziesia (sparse)	TSME-PILU/MEFE
1706	Mountain hemlock-Lutz's spruce/rusty menziesia-blueberry	TSME-PILU/MEFE-VACCI
1751	Mountain hemlock-black spruce/rusty menziesia/strawberry leaf raspberry	TSME-PIMA/MEFE/RUPE
1801	Mountain hemlock-Sitka spruce/devilsclub	TSME-PISI/OPHO
1802	Mountain hemlock-Sitka spruce/oval-leaf blueberry	TSME-PISI/VAOV
1803	Mountain hemlock-Sitka spruce/oval-leaf blueberry-devilsclub	TSME-PISI/VAOV-OPHO
1804	Mountain hemlock-Sitka spruce/oval-leaf blueberry-strawberry leaf raspberry	TSME-PISI/VAOV-RUPE
1805	Mountain hemlock-Sitka spruce/oval-leaf blueberry/spreading woodfern ssp. Dilatata	TSME-PISI/VAOV/DREX2
1806	Mountain hemlock-Sitka spruce/oval-leaf blueberry/American skunkcabbage	TSME-PISI/VAOV/LYAM3
1807	Mountain hemlock-Sitka spruce/American skunkcabbage/grass	TSME-PISI/LYAM3/2GRAM
1901	Mountain hemlock-western hemlock/oval-leaf blueberry	TSME-TSHE/VAOV
1902	Mountain hemlock-western hemlock/oval-leaf blueberry-Alaska bellheather	TSME-TSHE/VAOV-HAST3
1903	Mountain hemlock-western hemlock/oval-leaf blueberry-copperbush	TSME-TSHE/VAOV-ELPY
1904	Mountain hemlock-western hemlock/oval-leaf blueberry-devilsclub	TSME-TSHE/VAOV-OPHO
1905	Mountain hemlock-western hemlock/oval-leaf blueberry-rusty menziesia	TSME-TSHE/VAOV-MEFE
1906	Mountain hemlock-western hemlock/oval-leaf blueberry/Pacific reedgrass	TSME-TSHE/VAOV/CANU

Code	Description	Plant Code
1907	Mountain hemlock-western hemlock/oval-leaf blueberry/deercabbage	TSME-TSHE/VAOV/NECR2
1909	Western hemlock-mountain hemlock/oval-leaf blueberry	TSHE-TSME/VAOV
1910	Western hemlock-mountain hemlock/oval-leaf blueberry-devilsclub	TSHE-TSME/VAOV-OPHO
1911	Western hemlock-mountain hemlock/oval-leaf blueberry/grass	TSHE-TSME/VAOV/2GRAM
1912	Western hemlock-mountain hemlock/oval-leaf blueberry/American skunkcabbage	TSHE-TSME/VAOV/LYAM3
1913	Mountain hemlock-western hemlock/oval-leaf blueberry/grass	TSME-TSHE/VAOV/2GRAM
1914	Mountain hemlock-western hemlock/oval-leaf blueberry/grass (etc.)	TSME-TSHE/VAOV/2GRAM
2001	Paper birch/Sitka alder	BEPA/ALVIS
2002	Paper birch/Pacific reedgrass	BEPA/CANU
2003	Paper birch/devilsclub	BEPA/OPHO
2004	Paper birch/twinflower	BEPA/LIBO3
2005	Paper birch/rusty menziesia	BEPA/MEFE
2006	Paper birch/rusty menziesia (sparse)	BEPA/MEFE
2007	Paper birch/lingonberry	BEPA/VAVI
2008	Paper birch/Sitka alder/bluejoint	BEPA/ALVIS/CACA4
2009	Paper birch/dwarf birch/bog blueberry	BEPA/BENA/VAUL
2010	Paper birch/willow-sweetgale/bluejoint	BEPA/SALIX-MYGA/CACA4
2011	Paper birch/willow/bog blueberry	BEPA/SALIX/VAUL
2012	Paper birch/red elderberry/spreading woodfern	BEPA/SARA2/DREX2
2051	Paper birch-balsam poplar/mountain alder/bluejoint	BEPA-POBA2/ALVIC/CACA4
2101	Black cottonwood/Sitka alder	POBAT/ALVIS

Code	Description	Plant Code
2102	Black cottonwood/devilsclub	POBAT/OPHO
2103	Black cottonwood/Sitka alder-willow	POBAT/ALVIS-SALIX
2104	Black cottonwood/Sitka alder/bluejoint	POBAT/ALVIS/CACA4
2105	Black cottonwood/Sitka alder/devilsclub	POBAT/ALVIS/OPHO
2106	Black cottonwood/devilsclub/common cowparsnip	POBAT/OPHO/HEMA80
2107	Black cottonwood/willow/lichen	POBAT/SALIX/2LICHN
2201	Quaking aspen/russet buffaloberry	POTR5/SHCA
2202	Quaking aspen/bluejoint/western oakfern	POTR5/CACA4/GYDR
2203	Quaking aspen/russet buffaloberry-squashberry	POTR5/SHCA-VIED
2204	Quaking aspen/russet buffaloberry/kinnikinnick	POTR5/SHCA/ARUV
2205	Quaking aspen/lingonberry	POTR5/VAVI
3001	Lutz's spruce-paper birch/bluejoint	PILU-BEPA/CACA4
3002	Lutz's spruce-paper birch/splendid feather moss	PILU-BEPA/HYSP70
3003	Lutz's spruce-paper birch/stiff clubmoss	PILU-BEPA/LYAN2
3004	Lutz's spruce-paper birch/rusty menziesia	PILU-BEPA/MEFE
3005	Lutz's spruce-paper birch/rusty menziesia (sparse)	PILU-BEPA/MEFE
3006	Lutz's spruce-paper birch/lingonberry	PILU-BEPA/VAVI
3007	Lutz's spruce-paper birch/Sitka alder	PILU-BEPA/ALVIS
3101	Lutz's spruce-black cottonwood/Sitka alder	PILU-POBAT/ALVIS
3102	Lutz's spruce-black cottonwood/bluejoint	PILU-POBAT/CACA4
3103	Lutz's spruce-black cottonwood/devilsclub	PILU-POBAT/OPHO
3104	Lutz's spruce-black cottonwood/field horsetail	PILU-POBAT/EQAR
3105	Lutz's spruce-black cottonwood/splendid feather moss	PILU-POBAT/HYSP70
3201	Lutz's spruce-quaking aspen/lingonberry	PILU-POTR5/VAVI
3301	Sitka spruce-black cottonwood/Sitka alder	PISI-POBAT/ALVIS

Code	Description	Plant Code
3302	Black cottonwood-Lutz's spruce/Sitka alder	POBAT-PILU/ALVIS
3303	Black cottonwood-Lutz's spruce/mountain alder/devilsclub	POBAT-PILU/ALVIC/OPHO
3304	Black cottonwood-Lutz's spruce/willow/lichen	POBAT-PILU/SALIX/2LICHN
3401	Mountain hemlock-paper birch/splendid feather moss	TSME-BEPA/HYSP70
3402	Mountain hemlock-paper birch/stiff clubmoss	TSME-BEPA/LYAN2
3403	Mountain hemlock-paper birch/rusty menziesia	TSME-BEPA/MEFE
3404	Mountain hemlock-paper birch/rusty menziesia (sparse)	TSME-BEPA/MEFE
4000	Sitka alder	ALVIS
4001	Sitka alder-devilsclub	ALVIS-OPHO
4002	Sitka alder-undergreen willow	ALVIS-SACO2
4003	Sitka alder/common ladyfern	ALVIS/ATFI
4004	Sitka alder/bluejoint	ALVIS/CACA4
4005	Sitka alder/spreading woodfern	ALVIS/DREX2
4006	Sitka alder/field horsetail	ALVIS/EQAR
4007	Sitka alder-salmonberry	ALVIS-RUSP
4008	Sitka alder-salmonberry/common ladyfern	ALVIS-RUSP/ATFI
4009	Sitka alder/feltleaf willow	ALVIS/SAAL
4010	Sitka alder-feltleaf willow/bluejoint	ALVIS-SAAL/CACA4
4011	Sitka alder-Barclay's willow	ALVIS-SABA3
4012	Sitka alder-Sitka willow	ALVIS-SASI2
4013	Sitka alder-Sitka willow/bluejoint	ALVIS-SASI2/CACA4
4014	Feltleaf willow	SAAL
4015	Barclay's willow/bluejoint	SABA3/CACA4

Code	Description	Plant Code
4016	Barclay's willow/Sitka sedge	SABA3/CAAQD
4017	Barclay's willow/forb	SABA3/2FORB
4018	Undergreen willow	SACO2
4019	Dune willow	SABO
4020	Sitka willow	SASI2
4021	Sitka alder-willow	ALVIS-SALIX
4022	Sitka alder-willow/bluejoint	ALVIS-SALIX/CACA4
4023	Sitka alder-willow/black cottonwood	ALVIS-SALIX/POBAT
4024	Sitka alder/black cottonwood	ALVIS/POBAT
4025	Willow	SALIX
4026	Willow/bluejoint	SALIX/CACA4
4027	Willow/horsetail	SALIX/EQUIS
4028	Sitka willow/purple marshlocks/bluejoint	SASI2/POPA28/CACA4
4101	Dwarf birch	BENA
4102	Copperbush	ELPY
4103	Sweetgale-Barclay's willow	MYGA-SABA3
4104	Sweetgale-undergreen willow	MYGA-SASI2
4105	Sweetgale-dune willow	MYGA-SAHO
4106	Sweetgale/bluejoint	MYGA/CACA4
4107	Sweetgale/Lyngbye's sedge	MYGA/CALY3
4108	Sweetgale/Sitka sedge	MYGA/CAAQD
4109	Sweetgale/tall cottongrass	MYGA/ERAN6
4110	Salmonberry	RUSP
4111	Salmonberry/common ladyfern	RUSP/ATFI
4112	Salmonberry/bluejoint	RUSP/CACA4

Code	Description	Plant Code
4113	Dwarf birch/sedge	BENA/CAREX
4114	Heath (bog, open low scrub)	ERICA
4115	Sweetgale	MYGA
4116	Willow-sweetgale	SALIX-MYGA
4117	Willow-sweetgale/bluejoint	SALIX-MYGA/CACA4
4118	Willow-sweetgale/sedge	SALIX-MYGA/CAREX
4119	Willow-sweetgale/horsetail	SALIX-MYGA/EQUIS
4201	Alaska bellheather-partridgefoot	HAST3-LUPE
4202	Alaska bellheather-partridgefoot/deercabbage	HAST3-LUPE/NECR2
4203	Eightpetal mountain-avens/alpine sweetgrass	DROC/HIAL3
4204	Black crowberry	EMNI
4205	Black crowberry-alpine kinnikinnick	EMNI-ARAL2
4206	Black crowberry-bog blueberry	EMNI-VAUL
4207	Black crowberry-bog blueberry-manyflower sedge	EMNI-VAUL-CAPL6
4208	Black crowberry-bog blueberry/deercabbage	EMNI-VAUL/NECR2
4209	Black crowberry-bog blueberry/tufted bulrush	EMNI-VAUL/TRAC30
4210	Aleutian mountainheath-Alaska bellheather	PHAL4-HAST3
4211	Aleutian mountainheath/deercabbage	PHAL4/NECR2
4212	Arctic willow-black crowberry	SAAR27-EMNI
4213	Arctic willow/Lyngbye's sedge	SAAR27/CALY3
4214	Netleaf willow/Altai fescue	SARE2/FEAL
4215	Least willow/smallawned sedge	SARO2/CAMI4
5001	Pendantgrass	ARFU2
5002	Bluejoint	CACA4
5003	Bluejoint/willow	CACA4/SALIX

Code	Description	Plant Code
5004	Water sedge	CAAQ
5005	Lyngbye's sedge	CALY3
5006	Lyngbye's sedge/marsh pea	CALY3/LAPA4
5007	Lyngbye's sedge/alkali buttercup	CALY3/RACY
5008	Lyngbye's sedge/forbs	CALY3/2FORB
5009	Longawn sedge	CAMA11
5010	Smallawned sedge	CAMI4
5011	Fewflower sedge	CAPA19
5012	Manyflower sedge	CAPL6
5013	Beaked sedge	CARO6
5014	Sitka sedge	CAAQD
5015	Tufted hairgrass	DECA18
5016	Common spikerush	ELPA3
5017	Sand ryegrass	LEAR11
5018	Sand ryegrass/boreal yarrow	LEAR11/ACMIB
5019	Tall cottongrass-fewflower sedge	ERAN6-CAPA19
5020	Tall cottongrass-manyflower sedge	ERAN6-CAPL6
5021	Tall cottongrass-tufted bulrush	REAN6-TRCA30
5022	Altai fescue	FEAL
5023	Altai fescue/woolly geranium	FEAL/GEER2
5024	Wahlenberg's woodrush	LUWA
5025	Dwarf alkaligrass	PUPU3
5026	Tufted bulrush	TRCA30
5027	Sedge	CAREX
5028	Sedge-tufted bulrush	CAREX-TRCA30

Code	Description	Plant Code
5029	Sedge/water horsetail	CAREX/EQFL
5030	Sedge/shrub	CAREX/2SHRUB
5031	Tufted hairgrass	DECA18
5032	Tall cottongrass	ERAN6
5101	Common ladyfern	ATFI
5102	Fireweed	CHANA2
5103	Field horsetail	EQAR
5104	Water horsetail	EQFL
5105	Variegated scouringrush	EQVA
5106	Deercabbage	NECR2
5107	Deercabbage/tufted bulrush	NECR/TRCA30
5108	Beach strawberry	FRCH
5109	Beach pea	LAJAM
5110	Nootka lupine	LUNO
5111	Buckbean	METR3
5112	Pacific silverweed	AREGE
5113	Purple marshlocks	COPA28
5114	Sitka valerian	VASI
5115	Green false hellebore	VEVI
5116	Fireweed/bluejoint	CHANA2/CACA4
5117	Fireweed/bluejoint/field horsetail/western oakfern	CHANA2/CACA4/EQAR/ GYDR
5118	Horsetail	EQUIS
5119	Horsetail-purple marshlocks	EQUIS-COPA28
5120	Buckbean-horsetail	METR3-EQUIS
5121	Buckbean-purple marshlocks	METR3-COPA28

Code	Description	Plant Code
5201	Northern water-starwort	CAHE2
5202	Common mare's-tail	HIVU2
5203	Shortspike watermilfoil	MYSI
5204	Fineleaf pondweed	STFIF
5205	Claspingleaf pondweed	POPE7
5206	Threadleaf pondweed	RATR
5207	Bur-reed	SPARG
5208	Waterawtwort	SUAQ
5209	Common bladderwort	UTMA
6000	Water	2W
7000	Barren	2BARE

Table 12: Region 10 Yakutat Codes (1003)

Code	Description	Plant Code
125005	Picea sitchensis-Populus balsamifera ssp. Trichocarpa/Alnus crispa ssp. Sinuate	PISI-POBAT/ALCRS
125010	Picea sitchensis-Populus blasamifera ssp. Trichocarpa/Echinopanax horridum	PISI-POBAT/ECHO2
125015	Picea sitchensis-Populus balsamifera ssp. Trichocarpa/seral	PISI-POBAT/SERAL
140015	Alnus crispa ssp. sinuata-Malus fusca	ALCRS-MAFU
140020	Alnus crispa ssp. sinuata-Rubus spectabilis	ALCRS-RUSP
140030	Alnus crispa ssp. sinuata/Athyrium-femina	ALCRS/ATFI
140035	Alnus crispa ssp. sinuata/Calamagrostis Canadensis	ALCRS/CACA4
145030	Alnus crispa ssp. sinuata-Salix sitchensis	ALCRS-SASI2
147005	Alnus crispa ssp. sinuata/graminoid	ALCRS/2GRAM
150030	Salix barclayi/Carex pluriflora	SABA3/ACPL6

Code	Description	Plant Code
150045	Salix barclayi/Fragaria chiloensis	SABA3/FRCH
150050	Picea sitchensis/Alnus crispa ssp. sinuata	PISI/ALCRS
150055	Salix barclayi/mixed herb	SABA3/mixed herb
150065	Salix hookeriana	SAHO
150070	Salix sitchensis	SAS12
15030	Picea sitchensis/Echinopanax horridum	PISI/ECHO2
15060	Picea sitchensis/Hylocomium splendens	PISI/HYSP70
15070	Picea sitchensis/Rubus spectabilis-Echinopanax horridum	PISI/RUSP-ECHO2
15080	Picea sitchensis/Vaccinium ovalifolium	PISI/VAOV
15085	Picea sitchensis/Vaccinium ovalifolium-Echinopanax horridum	PISI/VAOV-ECHO2
15095	Picea sitchensis/Vaccinium ovalifolium/Dryopteris dilatata	PISI/VAOV/DRDI2
15105	Picea sitchensis/seral	PISI/seral
15110	Picea sitchensis/Sphagnum spp.	PISI/SPAG2
165015	Myrica gala/Carex sitchensis	MYGA/CASI3
170015	Myrica gala/Carex livida	MYGA/CALI
170020	Myrica gala/Carex pluriflora	MYGA/CAPL6
170025	Myrica gala/Epilobium angustifolium	MYGA/EPAN2
170030	Myrica gala/Equisetum Varigatum	MYGA/EQVA
190005	Andromeda/polifolia/Carex pluriflora	ANPO/CAPL6
190020	Empetrum nigrum-Vaccinium uliginosum	EMNI-VAUL
190040	Empetrum nigrum/Carex pluriflora	EMNI/CAPL6
20010	Pinus contorta/empetrum nigrum	PICO/EMNI
20005	Elymus arenarius	ELARM
24005	Clamagrostis Canadensis	CACA4

Code	Description	Plant Code
250010	Calamagrostis Canadensis/Potentilla egedii	CACA4/POEG
25010	Tsuga heterophylla/Echinopanax horridum-Rubus spectabilis	TSHE/ECHO2-RUSP
25035	Tsuga heterophylla/Vaccinium ovalifolium	TSHE/VAOV
25040	Tsuga heterophylla/Vaccinium ovalifolium-Echinopanax horridum	TSHE/VAOV-ECHO2
25050	Tsuga heterophylla/Vaccinium ovalifolium/Dryopteris dilate	TSHE/VAOV/CRDI2
275025	Trichophorum caespitosum	TRAC30
285015	Carex livida-Trichophorum caespitosum	CALI-TRCA30
285025	Carex saxatilis	CASA10
285035	Carex sitchensis/Equisetum fluviatile	CASI3/EQFL
287005	Puccinellia pumila	PUPU
290010	Carex lyngbyei	CALY3
290015	Carex lyngbyei-Carex pluriflora	CALY3-CAPL6
290035	Eleocharis palustris	ELPA3
295020	Carex sitchensis/Oxycoccus palustris	CASI3/OXPA4
300015	Fragaria chiloensis	FRCH
300020	Fragaria chilioensis-Achillea borealis	FRCH-ACBO
305030	Lupinus nootkatensis/Salix setchelliana	LUNO/SASE4
315005	Athyrium filix-femina	ATFI
320005	Equisetum fluviatile	AQFL
325015	Menyanthes trifoliata-Equisetum variegatum	METR3-EQVA
327010	Menyanthes trifoliata	METR3
327020	Menyanthes trifoliata-Potentilla palustris	METR3-POPA14
335005	Nuphar polysepalum	NUPO2
355005	Myriophyllum sibiricum	MYSI

Code	Description	Plant Code
45075	<i>Tsuga mertensiana</i> / <i>Vaccinium ovalifolium</i>	TSME/VAOV
70010	<i>Tsuga mertensiana</i> - <i>T. heterophylla</i> / <i>Vaccinium ovalifolium</i>	TSME-TSHE/VAOV
70030	<i>Tsuga mertensiana</i> - <i>T. heterophylla</i> / <i>Vaccinium ovalifolium</i> / <i>Lysichiton americanus</i>	TSME-TSHE/VAOV/LYAM3
75030	Mixed conifer/ <i>Vaccinium ovalifolium</i>	MIXED CONIFER/VAOV
75050	Mixed conifer/ <i>Vaccinium ovalifolium</i> / <i>Lysichiton americanus</i>	MIXED CONIFER/VAOV/LYAM3
90035	<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> / <i>Echinopanax horridum</i>	POBAT/ECHO2
90055	<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> / <i>Rubus spectabilis</i>	POBAT/RUSP
90065	<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> / <i>Salix</i> ssp.	POBAT/SALIX