Vegetation Map
093G079

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers
0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS / Ownership
Base Map Source: TRIM / Tantalis

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the analytical functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information contained on this map is not to be used to define cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legislation June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM, Base Features:
- Ac Built Rivers
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Fairways
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Rail-Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- INV Region-Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (> 1,000,000 ha - 15 % hatch)
- Municipal boundary (> 1,000,000 ha - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Mapsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon No. / Multi-layer stand indicator (L)
3 Species Composition
ex. the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age class / Height class / Crown closure class / Site Index (Fdfou)
ex. stand is age class 2 (21-40 yrs), height class 1 (0-10.4m), crown closure class 1 (6-10%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Book Number:

OG#### - opening number valid for BCGS mapsheet
- opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranges from one to nine digits
A, - Multi-layered stand (a separate description of each layer is available in the data base, i.e. 1,2)

Line 3 - BC Tree Code List

Species Compositions and Species are labeled in their order of predominance. Major first Minor in brackets.
The following codes are based on "The B.C. Ministry of Forests Tree Code List" version 4.5 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Cy	Yellow Cedar
H	HEMLOCK
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Hm	MOUNTAIN HEMLOCK
Hm	Mountain Hemlock
Hmm	Mountain Hemlock
Hwh	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sessile Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pwa	Western White Pine
Pa	Whitebark Pine
Pw	White Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sxs	Spruce hybrid
Sxw	Spruce x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
At	ASPEN, Dark Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ae	Eastern Poplar
Act	Black Cottonwood
Ae	Eastern Poplar
Ep	Trembling Aspen
R	ARBUTUS
Ra	Pacific
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
V	CHERRY
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vi	Pin Cherry
Vm	Mazzard Cherry
Vp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Booth's)
Ww	Peachleaf Willow (gray-leaved)
Wr	Scouler's Willow
Wy	Sitka Willow (gray-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xc	unknown conifer
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

E	APPLE
Ep	Paradise Apple
A	ASPEN, COTTONWOOD or POPLAR
Ab	Balsam Poplar
E	BIRCH
Ek	European Birch
Ep	Paper Birch (exotic)
Ey	Yellow Birch
V	CHERRY
Vo	Sweet Cherry
C	CYPRESS
Cw	Western Red Cedar
Fdf	Fir (Balsam)
Bb	Balkam Fir
Bn	Noble Fir
Bm	Nikaita Red Fir
Bi	Nihka Fir
Bp	Pacific Fir
Lt	Tamarack Larch
Lk	Siberian Larch
Lw	Western Larch
Hw	Box Elder
Mr	Norway Maple
Mp	Sycamore Maple
O	OAK
Or	Red Oak
Ow	White Oak
P	PINE, Scots
Pc	Corsican Pine
Ps	Giant Sequoia
Pj	Japanese Black
Pe	European Mountain Ash
Pn	Siberian Elm (southern)
Pr	Rocky Mtn. Juniper
Cg	Oregon Ash
Sr	White Ash
Ss	Scots Elm/Dutch Hickory
U	Elm of Hybrid
Uj	Japanese Walnut
Pi	PINE
Pn	Austrian Pine
Pr	Red Pine
Pp	Ponderosa Pine
SPRUCE	
Sn	Norway Spruce

Line 4

4a AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-120
7	121-140
8	141-250
9	251 +

4b HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 28.4
4	28.5 - 37.4
5	37.5 - 46.4
6	46.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
0	0 - 5
1	6 - 10
2	11 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

Site index is the height in the nearest metre referenced at 50 years breast height age. It is based on the site productivity of the leading species. When an accurate SI cannot be obtained from age and height, estimated SI is entered with a '+' replacing the SI.

4e ESTIMATED SITE INDEX

Estimated site index is based on a species and biogeoclimatic variant pinyard, e.g. Sx/dry (Sitka / White Spruce). It is denoted by a slash which always precedes it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (5cr V and I record4)

NON-TREED SHRUB
- B SHRUB TALL - shrub with average shrub height > or = to two metres.
- S SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- He HERB - herb with no distinction between forbs and graminoids.
- H HERB - FORBS - herb with forbs > 50% of the herb cover.
- G HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bs BRYOID - bryoid with no distinction between mosses and lichens by cover.
- m BRYOID - MOSS - bryoid with mosses > 50% of the bryoid cover.
- l BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (5cr V and I record4)

ar	AIRPORT	gp	GRAVEL PIT	mv	MUDFLAT SEDIMENT
be	BEACH	lk	LAKE	mr	RUBBLY MINE SPOILS
bl	BOULDERFIELD	rv	RIVER	ot	OTHER
br	BROWNFIELD	sl	LANDING	rz	SNOW COVER
bu	BURNED AREA	s	POND or LAKE SEDIMENTS	gl	GLACIER ICE/SNOW
ex	EXPOSED SOILS	w	WATER - MARINE	rc	RUDDS ICE/SNOW
gr	GLACIER				

Note: Water categories (lk, rv, w, rc) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN		NON VEGETATED		
rm	RAILWAY SURFACE		Rock / Rubble		
ro	ROAD SURFACE		Snow / Ice		
rc	ROAD SURFACE				
ta	TALUS				
wd	WOODLOT				
ur	URBAN				

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for 7 record4)

AF	ALPINE FOREST-Species	NPBS	NON PRODUCTIVE BRUSH	SAND	SAND
AT	ALPINE TUNDRA	NPBR	NON PRODUCTIVE BARREN	TIDE	TIDAL FLAT
CL	CUT-LINE	NPBS	NON PRODUCTIVE SHRUB-Species	U	URBAN
D	DRAINAGE				
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GL	GLACIER	P	PASTURE	NF	NON FOREST-Specify
ICE	ICEFIELD	R	RANGELAND	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
V	VALLEY	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

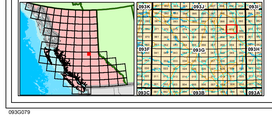
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
D	Deciduous Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
O	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thinned RESULTS data.

The Ministry of Forests, Mines and Lands web application VIEWER can be used to view Silviculture Treated information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for

OPENING
OPENING LABELS
SILVICULTURE TREATMENT ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels