Vegetation Map
093G040

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 portrayed may not be complete and up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GY3)
- Research Installations

TRIM, Base Features:
- Au Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aerial/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Timbeare District boundary - FADM
- BC Timber Complement - 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 Number and multi-layer stand indicator (L)
3. Species Composition
4. Age, Height, Crown Closure and Site Index for each layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separator - Site Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), 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 Symbol - ex: Logged in 1978

Line 1 - History Record Opening Number

1 - opening number valid for BCGS mapsheet ; 2000 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
L - 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 Composition: 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
Y	YEW
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmh	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plcp	Lodgepole Pine (Pl x Pli hybrid)
Pp	Ponderosa Pine (yellow)
Pw	Shore Pine (scrub)
Pwa	Western White Pine (alpine)
Pw	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sw	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sx	Spruce hybrid
Sxw	Sitka x White Spruce
Sxl	Sitka x Lutea
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Sw	Western White Pine
Sxw	White x Lutea Pine
Ss	SPRUCE
Ss	Black Spruce
Sb	Black Spruce hybrid
Sl	Silka Spruce
Sw	White Spruce
Sxw	White x Lutea Spruce
Te	Western Yew

NATIVE HARDWOODS

A	ALDER
D	Red Alder
U	APPLE
Ua	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Balsam Poplar
Ap	Black Cottonwood
At	Trembling Aspen
At	Aspen
B	BIRCH
E	BIRCH
Ep	Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ek	Kenai Birch
K	CASCARA
Kc	Cascara
C	CHERRY
Cb	Bitter Cherry
Cv	Choke Cherry
Cm	Pin Cherry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	OAK
Gb	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bendy's)
Wr	Scouler's Willow (Hooker Willow)
Wsi	Scouler's Willow
Wsx	Sitka Willow (ssp.barclayi)

UNKNOWN / OTHER

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

EXOTICS

Ae	Apple
Ap	ASPEN, COTTONWOOD or POPLAR
Ab	Balsam Cottonwood
B	BIRCH
Be	European Birch
Bp	Paper Birch (Siberian)
Bw	Yellow Birch
C	CHERRY
Cs	Sweet Cherry
Cw	Wild Cherry
Cr	Pond Dwarf Cedar
F	FIR (Balsam)
Fa	Alpine Fir
Bc	Noble Fir
Bm	Shasta Red Fir
L	LARCH
Lk	LARCH
Ld	Dahurian Larch
Le	European Larch
M	MAPLE
Mr	Box Elder
Mn	Norway Maple
Mp	Sycamore Maple
O	OAK
Or	Red Oak
Ow	White Oak
OTHER EXOTICS	
Ch	Horse Chestnut
Cn	Giant Sequoia
Cp	Coast Redwood
Ot	Common Hackberry
Ot	Siberian Elm (southern)
Ot	Common Pear
Ow	Black Ash
Ow	White Ash
Oc	Shagbarck Hickory
Ot	Mockernut
Oj	Japanese Walnut
P	PINE
Pm	Monterey Pine
Pr	Red Pine
Ps	Stone Pine
Pn	Scots Pine
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	141-160
9	161 >

4b HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 25.4
4	25.5 - 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 - 15
2	16 - 25
3	26 - 35
4	36 - 45
5	46 - 55
6	56 - 65
7	66 - 75
8	76 - 85
9	86 - 100

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years.
Site Index is the height of the dominant trees at 50 years of breast height age. Where an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. immature stands, shrubs, herbs. The SI is estimated from surrounding stands. Where SI associated fields in the data base are inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREESD SHRUB
- SH SHRUB - shrub with average shrub height > or = to two metres.
- st SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- H HERB - herb with no distinction between forbs and graminoids.
- hf HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg 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.
- bm BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

w	WATER	gl	LAKE	mg	MUDFLAT SEDIMENT
wr	RIVER	gr	RIVER	mo	ROBBS MINE SPOILS
w	BLOCKFIELD	b	LAVA BED	oc	OCEAN
w	BOULDERS	b	BOULDERS	sn	SNOW/ICE
b	BURNED AREA	s	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	r	RESERVOIR
cb	EROSIONAL S	mn	NOMANS	ri	RIVER SEDIMENTS
gl	GLACIER				

Note: Water categories (w, ws, ro, d) are not identified over 40 percent coverage.

rm	RESERVOIR MARGIN				
rr	RAILWAY SURFACE				
rs	RIVER SEDIMENTS				
ro	ROAD SURFACE				
ta	TALUS				
tj	TALINGS				
u	URBAN				

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FORREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BE	BEACH	NPBS	NON PRODUCTIVE BROADLEAF	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
ICE	ICEFIELD	OR	OPEN ROCK	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	WARFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

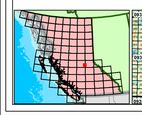
A	Animal Damage	L	Logging
B	Birds	M	Mite Damage
C	Cone and Seed Insects	N	Meteorological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
		T	Treatment Injuries
		U	Unknown Injuries
		V	Problem Vegetation

Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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



093I/SE	93I/SF	93I/SG	93I/SH	93I/SI	93I/SJ	93I/SK	93I/SL	93I/SM	93I/SN	93I/SO	93I/SP	93I/TE	93I/TF	93I/TG	93I/TH	93I/TI	93I/TJ	93I/TK	93I/TL
93H/NW	93H/NX	93H/NY	93H/NZ	93H/OW	93H/OX	93H/OY	93H/OZ	93H/PW	93H/PX	93H/PY	93H/PZ	93H/QW	93H/QX	93H/QY	93H/QZ	93H/RW	93H/RX	93H/RY	93H/RZ
93G/NW	93G/NX	93G/NY	93G/NZ	93G/OW	93G/OX	93G/OY	93G/OZ	93G/PW	93G/PX	93G/PY	93G/PZ	93G/QW	93G/QX	93G/QY	93G/QZ	93G/RW	93G/RX	93G/RY	93G/RZ
93F/NW	93F/NX	93F/NY	93F/NZ	93F/OW	93F/OX	93F/OY	93F/OZ	93F/PW	93F/PX	93F/PY	93F/PZ	93F/QW	93F/QX	93F/QY	93F/QZ	93F/RW	93F/RX	93F/RY	93F/RZ
93E/NW	93E/NX	93E/NY	93E/NZ	93E/OW	93E/OX	93E/OY	93E/OZ	93E/PW	93E/PX	93E/PY	93E/PZ	93E/QW	93E/QX	93E/QY	93E/QZ	93E/RW	93E/RX	93E/RY	93E/RZ

Overflow Labels