BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
083E012

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers
0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / 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, 2014

MAP SYMBOLOGY:

Forest Inventory Features:
- Forest Vegetation Polygons
- Solution Opening Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM - Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkdrk/Rivers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MV 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 Number and multi-layer stand indicator (L)
3. Species Composition
ex: the most impdortant layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separator. Site Index i estimated SI
ex: age class 7 (121-140 years), height class 8 (>25.4 m), crown closure class 1 (6-15%), SI 20m
5. Vegetated/Density Class (or Non-Forest/Productive Description)
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 Opening Number

0001 - opening number valid for BCGS mapsheet 0010 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

VRMS 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 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
Yc	Yellow Cedar
Y	CYPRESS
Yc	Yellow Cedar
Fd	FIR (DOUGLAS)
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	FIR (Subalpine)
Ba	Amabilis Fir
Bl	Alpine Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Mountain Hemlock
Hm	Western Hemlock
Hwx	Mountain x Western Hemlock hybrid
J	JUNIPER
Jf	Rocky Mtn. Juniper
Js	Scopulum Juniper
L	LARCH
La	Alpine Larch
Lw	Tamarack
Lw	Western Larch
P	PINE
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plj	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (Banksian)
Pjs	Shore Pine (coastal)
Pw	Western White Pine
Pxc	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sxl	Spruce hybrid
Sxw	Engelmann x White
Sxb	White x Black
Sxe	Other unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
J	APPLE
Ja	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ab	Balsam Poplar
Ac	Black Cottonwood
Ac	Hybrid Poplars
At	Trembling Aspen
B	BIRCH (all)
Bp	Paper Birch
Bm	BIRCH
Bw	Water Birch
Bpx	Alaska Paper Birch
Bnx	Alaska x Paper Birch hybrid
Bn	Alaska Birch (Native)
Bw	Water Birch
K	CASCARA
E	ELDERBERRY
A	GREEBY
Vb	Bitter Cherry
Vp	Pin Cherry
Vu	Choke Cherry
Vv	Pin Cherry
Vx	Hybrid Cherry
Ac	Cascara
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wc	Pacific Willow
Wd	Hooker's Willow (Barclay's)
Ww	Peach Willow (pre-leaves)
Wm	Scouler's Willow
Wr	Willow Willow (late-leaves)
Wx	Willow hybrid

UNKNOWN CODES

X	UNKNOWN
Xc	unknown conifer
Xd	unknown deciduous
Z	OTHER (species not listed)
Zc	other conifer
Zn	other hardwood

EXOTICS

	APPLE
Ua	ASPEN, COTTONWOOD or POPLAR
Ar	*Southern Cottonwood
	BIRCH
Ep	*European Birch
Ep	Silver Birch (weeping)
Ep	*Cutleaf Birch
	CHERRY
Vs	Sweet Cherry
Vp	*Pin Cherry
Vp	*Hybrid Choke Cherry
	FIR (Subalpine)
Bb	*Balsam Fir
Bg	Noble Fir
Bp	*Grand Fir
Bs	*White Fir
	LARCH
Lk	*Siberian Larch
Lp	*Dahurian Larch
	MAPLE
Mr	Red Maple
Mn	*Norway Maple
Mn	*Sycamore Maple
	OAK
Qr	*English Oak
Qp	*Pedunculate
	OTHER EXOTICS
Cn	*Incense Cedar
Ch	*Chinkapin Oak
Cv	*Coast Redwood
Ov	European Mountain Ash
Oh	Siberian Elm (southern)
Ot	*Siberian Elm (other)
Og	Oregon Ash
Oh	*White Ash
Ci	*Shagbark Hickory
Ch	*Chestnut
Oh	Japanese Walnut
	PINE
Pn	*Austrian Pine
Pr	*Red Pine
Ps	*Sugar 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 - 15.4
3	15.5 - 20.4
4	20.5 - 27.4
5	27.5 - 40.4
6	40.5 - 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 estimates is site curve (metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant tree. Site curves are based on the relationship between age and height, estimated SI is shown after, or replaces, the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. young stands (<100yrs). It is denoted by a slash which always follows the species. Multiple SI's for a stand are inserted in Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for v and r records)

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

NON-TREED HERB
- hd HERB - FORBS - 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
- by BRYOIDS - 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
- ne Exposed Land
- nr Rock / Rubble
- ss Snow / Ice

NON-VEGETATED CATEGORIES (for v and r records)

ab AIRPORT	gp GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN		
bh BEACH	ls LAKE	mv RUBBLY MINE SPOILS	rw RAILWAY SURFACE		
bl BOULDER FIELD	lk LAKE	mw MINE WATER	sl SALT LAKE		
bn BEDROCK	ld LANDING	o OTHER	rd ROAD SURFACE		
bu BURNED AREA	lb POND or LAKE SEDIMENTS	pt SNOW COVER	tc TALUS		
cl CLIFF FACE	mi MINE	pi PERMANENT ICE	tu UNCLASSIFIED		
ds EXPOSED SOILS	mx MIXEDMINE	r RIVER / STREAM	u URBAN		
gl GLACIER					

Note: Water categories (ls, ld, rk, r) not labeled over 50 percent coverage.

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

A ALPINE	NP NON-PRODUCTIVE	SAND SAND	
AT ALPINE TIMBERLINE	NPBR NON-PRODUCTIVE BRUSH	TIDE TIDAL FLAT	
C CULTIVATED	NPBG NON-PRODUCTIVE GRASS	URBAN U	
CL CLAY BANK	NPTA NON-PRODUCTIVE TALL FORBS		
G GRAVEL BAR	NTA NOT THINKING AVAILABLE	NC NON COMMERCIAL	
GR GRAVEL PIT	OR OPEN RANGE	NCBR NON COMMERCIAL BRUSH	
M MEADOW	R RIVER BED	NCGR NON COMMERCIAL GRASS	
H MISSOCHE	S ROCK	NER NOT SUFFICIENTLY RESTOCKED	
MUD MUDFLAT	SBMP	NTA NO TYPING AVAILABLE	

Line 6 - Disturbance History

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

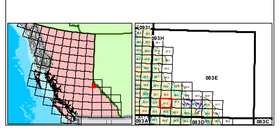
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

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



Overflow Labels