Vegetation Map
082M085

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

Map Base Source: TRIM / Terrain

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 revised June 2014)

Labels Projected To: January 1, 2018

MAP SYMBOLOGY

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

TRIM - Base Features:
- 3d Built Models
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Parks
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodivisions - 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 - Terrain
- Municipal boundary (< 1:500,000 ha - 15 % hatch)
- Municipal boundary (> 1:500,000 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
   a. Main (dominant) tree layer is described as Fd (Douglas 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 & year - ex: Logged in 1978

Line 1 - History Record Opening Number

CUT - opening number valid for BCGS mapsheet *NEW - 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 "Th e B.C. Ministry of Forests Tree Code List" version 4.5 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
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
Hx	Hybrid (Hw x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Px	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pxw	Western White Pine
Pxj	Jack Pine
S	SPRUCE
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	Hybrid Spruce
Se	Equelmann x White
Sxl	Sitka x White
Sxs	Sitka x Unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
C	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ati	Trembling Aspen
At	Hybrid Aspen
Ac	Trembling Aspen
E	BIRCH
Ep	White Birch
Ew	Paper Birch
Ewp	Alaska Paper Birch hybrid
Ekl	Kenai Birch (Kenai)
Ew	Paper Birch
K	CASCARA
G	DOGWOOD
V	CHERRY
Vb	Bitter Cherry
Vu	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
U	ELM
Um	Mot(U)
Ub	Bigleaf Maple (broadleaf)
Ue	Rock Elm
Wp	Pacific Willow
Wy	Pacific Willow
Wal	Hybrid Willow (Barclay's)
Wrd	Rusty Willow (grey leaved)
Wr	Willow (Scouler's)
Wt	Sitka Willow (tea-leaved)
	UNKNOWN - OTHER
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (trees not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ub	APPLE
	Siberian Crab
Aat	ASPEN, COTTONWOOD or POPLAR
	*Southern Cottonwood
Ae	Aspen
Ea	European Birch
Ek	Asian Birch (swamp)
Ey	European Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yo	*Nootka Cedar
	ELM (others)
Eb	*Siberian Elm
Ep	Noble Fir
Epa	*Noble Fir/Red Fir
Ef	*White Fir
	LARCH
Lk	*Siberian Larch
Lsl	*Western Larch
	MAPLE
Mb	Bigleaf
Mn	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qg	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ox	*Incense Cedar
Oc	*Giant Sequoia
Ol	*Monterey Cypress
Od	European Mountain Ash
Ob	Siberian Elm (southern)
Ou	Common Pear
Og	Dragon Ash
Oa	Tree of Heaven
O	*Snowbrush, Hickory
Os	Tree-of-heaven
Ot	Japanese Walnut
	PINE
Pm	*Montana Pine
Pn	*Austrian Pine
Pr	*Scots 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 - 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 broken to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant trees. Site index is estimated from the relationship of 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 (<30yrs). It is denoted by a slash which always follows the estimated site index value. ex. 20/ = site index 20 Type Group and SI Estimated source code:

Line 5 Vegetation records

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

NON-TREED SHRUB
- st - SHRUB TALL - shrub with average shrub height > or = to two metres.
- sm - 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 gaminoids > 50% of the herb cover.

NON-TREED BRYOID
- by - BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm - BRYOID - MOSS - bryoid with moss > 50% of the bryoid cover.
- bl - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- w - Exposed Land
- wr - Rock / Rubble
- si - Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gl	GRAVEL PIT	mr	RESERVOIR MARGIN
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bl	BEDROCK	ld	LAKE BED	ms	SEDIMENTS
br	BEDROCK	lg	LANDING	st	ROAD SURFACE
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	tz	TALUS
cu	CUTBANK	mi	OPEN PIT MINE	tp	TAILINGS
ds	DEBRIS FLOW	mo	MORAINE	u	URBAN
gr	GLACIER				

Note: Water categories (ie. ss, re, rz) not labeled over 80 percent coverage.

NON-FOREST (NON-PRODUCTIVE) DESCRIPTOR CODES (for F records)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST Openings	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLEARING	NPR	NON PRODUCTIVE - RECENT FIRE/OGS		
G	GRAVEL BAR	NTA	NOT TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
M	MEADOW	R	ROCK	NF	NON FOREST
MI	MISCELLANEOUS	ROCK	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

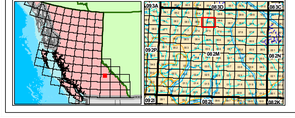
Line 6 - Disturbance History

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

Example Opening History Details

Detailed Silviculture information is available on the BCOW 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
RESIDUAL FOREST COVER
WILDLIFE TREE PATCH