Vegetation Map
093K044

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 - 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 displayed on this map is derived from the data Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. Legend as at Alpha June 2014)

Labels Projected To: January 1, 2018

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structures Opening or Vegetation
- Permanent Sample Plot (VDYP)
- Research Installations

TRIM, Base Features:
- All Bulk Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Ad Fairlies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroline/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 (> 1:600,000 No. / 10 % hatch)
- Municipal boundary (< 1:600,000 No. / 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 / 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, 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 m), crown closure class 1 (6-15%), SI 20m
5 Inventory Type Group or Non-Forest Descriptor Code
ex: a Fw/Hw polygon with no distinction between fir/hw and gramminoids, shrubs less than 2m.
6 Disturbance History 8 year - ex. Logged in 1978

Line 1 - History Record Opening Number

0123 - opening number valid for BCGS mapsheet 2008 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits
Multi-layer stand: one of sequential 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 Codes List" version 4.6 dated January 2009.

NATIVE CONIFERS

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
Hw	Western Hemlock
Hm	Mountain Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopular Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Pli	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Western White Pine
Pxj	Whitebark Pine Pine
S	SPRUCE
Sb	White Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sxe	Spruce Engelmann
Sxs	Spruce Sitka
Sw	Spruce White
Sxl	Sitka x White
Sxw	Engelmann x Western hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
D	Red Alder
U	APPLE
Ax	Pacific Crab Apple
Ac	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Black Cottonwood
Ae	Trembling Aspen
Ai	Trembling Aspen
Ep	Paper Birch
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ec	Water Birch (red alder)
Ew	Water Birch
C	CHERRY
Cw	Cascara
V	CHERRY
Vc	Choke Cherry
Vv	Choke Cherry
D	DOGWOOD
Dw	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	Oak
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bonida's)
Wr	Rocky Mountain Willow (Hooker)
Wy	Scouler's Willow
Wf	Sitka Willow (sea-beach)

UNKNOWN - OTHER

X	unknown
Xn	unknown conifer
Xh	unknown hardwood
Z	OTHER (Not not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

A	Alder
Ac	ASPEN, COTTONWOOD or POPLAR
Ae	Aspen
Ep	European Birch
Ew	Water Birch (alder)
Fd	FIR (Douglas)
Fdc	Douglas Fir
Vs	Sweet Cherry
Vv	Choke Cherry
L	*Pinus Dilled Larch
Fd (Balsam)	
Bg	Grand Fir
Bl	Alpine Fir
Bm	Amabilis Fir x Fir
Bm	*White Fir
Bp	Fir
Lp	*Siberian Larch
Ls	*Siberian Larch
Mb	Maple
Mv	Box Elder
Mb	*Norway Maple
Mp	*Sycamore Maple
Oc	*English Oak
Qw	*White Oak
P	PINE EXOTICS
Pn	*Austrian Pine
Pp	*Dwarf Mugho
Pe	*Scots Pine
Pe	European Mountain Ash
Pm	*Mountain Pine (Swiss)
Pp	Common Pine
Pp	*Ponderosa
Pp	*White Ash
Q	*Shaggbark Hickory
Q	*Red Oak
Q	Japanese Walnut
Pw	*Monterey Pine
Pw	*Pinus Pine
Pw	*Scots Pine
S	SPRUCE
Sb	*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)
1	0 - 5
2	6 - 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 meters reforenced at 50 years Breast Height Age. It is based on the age and height of the leading species. When an accurate SI cannot be obtained from sample data, estimated values are used. Values less than 1 are not used.

4e: ESTIMATED SITE INDEX

Estimated Site Index values are used when no data is present, e.g. along streets (>50m). It is denoted by a slash which always precedes it. Associated fields in the data base are inventory type Group and SI Estimation Method.

Line 5 - Vegetation records)

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

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

NON-TREED HERB
- G GRAMINOID - herb with no distinction between forbs and gramminoids.
- H HERB / FORBS - herb with forbs > 50% of the herb cover.
- R GRAMINOID - herb with gramminoids > 50% of the herb cover.

NON-TREED MOSS
- M MOSS - bryoid with no distinction between moss and lichens by cover.
- BM BRYOID - MOSS - bryoid with mosses, liverwarts, and hornwarts > 50% of the bryoid cover.
- BL BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
b	BEACH	m	MINE
bl	BLOCKFIELD	ta	LAKE-BED
br	BEDROCK	tl	LANDING
ds	DEPOSITIONAL AREA	tm	MARINE AND SEGMENTS
ou	OUTCRAWL	to	OPEN PIT MINE
sl	SLIDE/SLOUGH	tr	RIVER-BED
w	WATER		Note: Water categories tb, ta, tl, tr-not labelled over 50 ha of open coverage.

mp	MUDFLAT SEGMENT	re	RESERVOIR MARGIN
rc	ROCK OUTCROP	rm	RIVER MARGIN
o	OCEAN	s	SALTA SEGMENTS
st	OTHER	sr	ROAD SURFACE
p	PERMANENT SNOW	t	TALUS
r	RESERVOIR	tz	TALUS
w	WATER	u	UNKNOWN

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPB	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBG	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
D	DEBRIS AVY	OA	OPEN ALPINE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LAKE-BED	R	ROCK
M	MEADOW	R	ROCK
WET	WETLAND	SNOW	SNOW

SAND	SAND		
SC	SCREE CUT		
U	UNKNOWN		
NC	NON COMMERCIAL		
NCB	NON COMMERCIAL BRUSH		
NSR	NOT SUITABLE FOR		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NOT TYPING AVAILABLE		

Line 6 - Disturbance History

Disturbance type code prescribed 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	R	Site Rehabilitation
B	Wildfire	S	Silvicultural Treatment
C	Cone and Seed Insects	U	Damage Unknown
D	Disease	V	Problem Vegetation
I	Insects	W	Non-Biological Injuries
		X	Cone and Seedling Fungal Pathogens

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of the new 93D/3,7,6 data.

Start IMF, open MapView 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
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



