Vegetation Map
093K075

Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 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 displayed on this map corresponds to data Categories, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend is historic June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airl Ferries
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolke/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 (1:1,000,000 ha - 15 % hatch)
- Municipal boundary (1:1,000,000 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:

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LINE  DESCRIPTION
 1    1 Silviculture symbol and Opening Number
 2    2 Polygon Number and multi-layer stand indicator (L)
 3    3 Species Composition
      ex. the most important layer is described as Fd (Dougls Fir) and Hw (Western Hemlock).
 4    4 Age Class, Site Index, Height Class, Crown Closure Class
      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    5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
      ex.a fresh polygon with no distinction between forbs and graminoids, shrubs less that 2m.
 6    6 Disturbance History & year - ex. Logged in 1978
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Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet zzzx - 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

Cw	Western Red Cedar
Y	CYPRESS
Yc	Nootka Cypress
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
Hmw	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulor Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plc-Pw	Lodgepole Pine x Western White Pine hybrid
Py	Ponderosa Pine (yellow)
Pfc	Shore Pine (coast)
Pli	Lodgepole Pine (interior)
Pw	Whitebark Pine
S	SPRUCE
Se	Englemann Spruce
Sx	Engelmann Spruce
Ss	Sitka Spruce
Sxs	Spruce hybrid
Sxx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sw	White Spruce
Yw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Dr	Red Alder
U	APPLE
Ua	Pacific Crab-Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Ep	Arbutus
Ew	Willow
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wa	Arctic Willow
Wb	Bebb's Willow
We	Peachleaf Willow (Bentley's)
Wf	Fuzzy Willow (grey-leaved)
Wp	Pacific Willow
Ws	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	Apple
Af	ASPEN, COTTONWOOD or POPLAR
Ab	Balsam (Cottonwood)
Be	BIRCH
Ee	European Birch
Ek	Kamchatka (Erman's)
Ep	Yellow Birch
Bm	CHERRY
Cm	Mazzard Cherry
H	HYPRICUM
Hp	Rhot Orford Cedar
K	KATSURA
Kc	Redbud
Me	Box Elder
Mn	Manitoba Maple
Mp	Sycamore Maple
Oa	OAK
Oq	Pedunculate Oak
Or	White Oak
O	OTHER EXOTICS
Ch	Horse Chestnut
Ck	Giant Sequoia
Ok	Coast Redwood
Ow	European Mountain Ash
Ou	Scarlet Oak (Southern)
Of	Common Pear
Og	Oregon Ash
Ow	White Ash
Ow	Black Walnut hickory
Ot	Tree of Heaven
Ot	Japanese Walnut
Ow	Willow
Ot	Monterey Pine
Pr	Red Pine
Pp	Ponderosa
Sp	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 shown to the nearest metre referenced at 50 years breast height age. SI is the average height of the dominant leading species. 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 arenot present; e.g. recent clearcut, burn, etc. The SI is the average of the species preceded it. 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 l records)

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

NON TREED HERB
- he - HERB - herb with no distinction between forbs and graminoids.
- hg - HERB - GRAMINOID - herb with forbs < 50% of the herb cover.
- hf - HERB - FORBS - 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 CATEGORIES (for V and l records)

ap	AIRPORT	gr	GRAVEL PIT
be	BEACH	la	LAKE
bl	BUILT AREA	lk	LANDING
br	BEDROCK	lk	LANDING
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS
cl	CLEARING	mi	MINE - OPEN MINE
co	COMPOSED OF	mi	OPEN PIT
gl	GLACIER		

mu	MUCK/FLAT SEDIMENT	rm	RESERVOIR MARGIN
rb	RUBBLY MINE SPOILS	rr	RAILWAY SURFACE
ri	RIVER	ro	ROAD SURFACE
rl	OTHER	ro	ROAD SURFACE
sn	SNOW COVER	te	TALUS
st	STREAM	tz	TIDAL FLATS
rv	RIVER - GRAVEL	ur	URBAN

Note: Water categories (la, ri, rv, rl) not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
CL	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CP	CUT BLOCK	NPF	NON PRODUCTIVE FOREST (Species
G	GRASS, MEAD	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
M	MARSH	R	RANGE LAND
MD	MEADOW	S	SWAMP
MUD	MUD FLAT		

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMERCIAL BRUSH		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NOT 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	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		

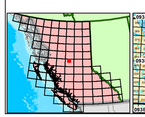
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

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" to turn on display values for :

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE BLOCK
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels