082L079

Vegetation Map
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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 / 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 revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM_Base Features:
- Air Built Areas
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodrainage - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BEC Regions 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) - (16 % hatch)
- Municipal boundary (< 1,000,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Washeet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1 Structure symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex. the most important layer is described as Fd (Douglk Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator. Site Index / estimated SI
5 Stocking Class (or Non-Forest Vegetation Type) / Non-Vegetated Cover / Non-Forest class 1 (5-15%), S1 20m
6 Vegetated Density Class (or Non-Forest/Productive Description)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
7 Disturbance History & year - ex. Logged in 1979

Line 1 - History Record Opening Number

OGR - opening number valid for BCGS mapsheet. DEM - opening number has not been assigned

Line 2 - Polygon No. / Multilayer:

VRIMS Polygon Number - 4 digits from one to nine digits
Multilayer Code - 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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Western x Mountain Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sitka Juniper
L	LARCH
Lt	Alpine Larch
Lw	Tamarack
Lwa	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal) - hybrid
Pp	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pwi	Whitebark Pine
Py	Whitebark Pine
S	SPRUCE
Sa	Alaska Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxs	Spruce Hybrid
Sxw	Engelmann x White
Sxl	Spruce Hybrid
Sxs	Sitka x Lutz/Sw/Eng hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
At	Pacific Crab Apple
A	ASPEN - COTTONWOOD or POPLAR
Ac	Black Cottonwood
Act	Robson Poplar
Ad	Black Cottonwood
At	Trembl Aspen
Ax	Hybrid Poplars
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eal	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Er	Red Birch
G	CASCARA
Kc	Cascara
Q	GARRY OAK
Qg	Garry Oak
Vc	Choke Cherry
Vp	Pin Cherry
Z	DOGWOOD
Zp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
W	WILLOW
Wa	Pacific Willow
Wb	Pacific Willow
We	Peachleaf Willow (Bentley's)
Wh	Hooker's Willow (coastal)
Wi	Scouler's Willow
Ww	Sitka Willow (tree-leaved)

UNKNOWN - OTHER

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

EXOTICS

UA	APPLE
Ue	Apple
Up	ASPEN - COTTONWOOD or POPLAR
Ubl	*Southern Cottonwood
Ub	BIRCH
Ubp	*European Birch
Ubr	*Cut-leaf Birch (variety)
Ubj	*Yellow Birch
Uc	CHERRY
Ucp	*Pin Cherry
Ucy	CYPRESS
Ucm	*Mon terey Cedar
Ue	ELM
Uew	*Wi ll ow-leaf
Uf	FIR (Exotic)
Un	NOBLE FI R
Unn	*Nobl e Fir
Ul	LARCH
Ulk	*Dahurian Larch
Ulp	*European Larch
UM	MAPLE
Um	Box Elder
Umn	*Norway Maple
Ums	*Sycamore Maple
UO	OAK
Uor	*English Oak
Uow	*White Oak
OX	OTHER EXOTICS
Ou	*Black Locust
Ow	*Black Walnut
Oc	*Coast Redwood
Oa	*Green/White Ash
Ob	Mountain Ash (southern)
Of	Common Pear
Op	*Black Poplar
Ow	White Ash
Oy	*Staghorn Sumac
Oz	*Golden Rain
Ojp	Japanese Maple
PINE	
Pn	*Austrian Pine
Pr	*Red Pine
Ps	*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 - 13.4
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 - 10
2	11 - 15
3	16 - 25
4	26 - 45
5	46 - 55
6	56 - 65
7	66 - 75
8	76 - 85
9	86 - 100

4d SITE INDEX

50 50 years is the natural rame referenced at 50 years. Breast Height Age. SI is based on the age and height of the tallest trees in the stand (Trees 100 to 140 years old). Where age and height referenced SI is shown after an replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when subtotal 5.5 was cannot present, e.g. young trees (<10yrs). It is denoted by a slash which always precedes the estimated SI. Estimates are made by inventory type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (1st Y and 1 species)

NON-TREED SHRUB

s	SHRUB TALL - shrub with average shrub height > or = to 2 metres.
d	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 MIXED

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

NON VEGETATED

e	Exposed Land
w	Water Lake
r	River / Ice

NON-VEGETATED CATEGORIES (1st Y and 1 species)

ap	ASH DEP.	gp	GRAVEL PIT
bp	BOG/MARSH	la	LAKE
bs	BOG/SHALLOWS	lb	LAKE BED
br	BEDROCK	ld	LANDING
bu	BURNED AREA	ls	POND in LAKE SEDIMENTS
cb	CLIFF/BANK	mu	MUD FLAT
e	EXPOSED SOILS	mn	MORAINE
gl	GLACIER		

mp	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
mv	MUSKEG MINE SPOILS	rr	RAILWAY SURFACE
oc	OCEAN	rs	RIVER SEDIMENTS
rc	ROCK	rd	ROAD SURFACE
rn	SNOW COVER	t	TAILINGS
re	RESERVOIR	tl	TALINGS
ri	RIVER / STREAM	u	URBAN

Note: Water categories (la, lb, rs, ri) not labelled over 80 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (2nd Y records)

A	ALPINE	MP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	MPB	NON PRODUCTIVE BRUSH
C	CUTOVER(S)	MPBC	NON PRODUCTIVE BURN
CL	CLAY BANK	MPF	NON PRODUCTIVE FOREST (Species
D	DISTURBED AREA	NC	NON COMMERCIAL
DR	GRAVEL PIT	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	NP	NON PRODUCTIVE
L	LOGGED	NPBR	NON PRODUCTIVE BRUSH
MUD	MUD FLAT	NSR	NOT STOCKED REGENERATED
		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
C	Cone Crop	M	Mist Damage
D	Cone and Seed Insects	N	Non-biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

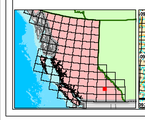
Example Opening History Details

Detailed Structure information is available on the BCGW utilizing either MF 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 STRUCTURE tab then click on "Display Structure Map" to turn on display values for:-

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







Overflow Labels

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