093B083

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 / 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, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (2015)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aer/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 (1:250,000 for > 15 % hatch)
- Municipal boundary (1:1,000,000 for < 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 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 (Dougls Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: 8 = age class 8 (141-250 years), 3 = height class 3 (13.1-19.4m), 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 than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OGP - opening number valid for BCGS mapsheet *nOGP - 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

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
H	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
HE	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Subalpine larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgpol Pine
Plc	Coastal Lodgepole Pine
Pli	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pyi	Interior Yellow Pine
Pw	Western White Pine
Pz	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxl	Lutz Spruce
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ab	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
Ae	Alaska Paper Birch
Aex	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
E	BIRCH
Ke	Cascara
V	CHERRY
Vm	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vv	Black Cherry
G	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wr	Peachleaf Willow (Bonday's)
Wy	Pacific Willow (Hooker's)
Wsp	Scouler's Willow
Wt	Sitka Willow (tea-based)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ua	Siberian Crab
Ad	ASPEN, COTTONWOOD or POPLAR *Southern Cottonwood*
E	BIRCH
Ea	European Birch
Ej	Silver Birch (swamp)
Ey	*Yellow Birch*
Bb	*Balkan Fir*
Bn	*Nordmann Fir*
Bp	*Sharp's Red Fir*
Bs	*White Fir*
L	LARCH
Ld	*Dahurian Larch*
Lk	*Siberian Larch*
M	MAPLE
Mb	Box Elder
Mh	*Norway Maple*
Mp	*Sycamore Maple*
OA	OAK
Qe	*English Oak*
Qg	*White Oak*
X	OTHER EXOTICS
Ox	*Giant Sequoia*
Op	*Coast Redwood*
Ot	*Monterey Cypress*
Oc	*Siberian Elm (southern)*
Of	*Common Pear*
Oa	*Black Ash*
Ow	*White Ash*
Og	*Shagbark Hickory*
Oj	*Black Walnut*
Ojn	*Japanese Walnut*
PINE	
Pm	*Monterey Pine*
Pp	*Red Pine*
Ps	*Scots Pine*
S	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 as the nearest metre referenced at 50 years.
Site Index (SI) - SI is based on the age and height of the leading species. When 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 counts or trees cannot present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREED CATEGORIES (for V and I records):

NON-TREED SHRUB
- sb SHRUB
- sl SHRUB LOW — shrub with average shrub height < or = to two metres.
- sh SHRUB HIGH — shrub with average shrub height > two metres.

NON-TREED HERB
- he HERB
- hf HERB - FORBS — herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOIDS — herb with forbs < 50% of the herb cover.
- — herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bc 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 I records):

ap	AIRPORT	gp	GRAVEL PIT	mu	MUD/FLAT SEDIMENT
be	BEACH	gl	LAKE	mr	RUBBLY MINE SPOILS
bl	BLOWDOWN	lk	LAKE	ms	SLIMES
bu	BUILT-UP	lr	RIVER/STREAM	oc	OTHER
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS	sn	SNOW COVER
cu	CUTBANK	mn	OPEN PIT MINE	re	RESERVOIR
ei	EXPOSED SOILS	ow	SOIL/ANE	rv	RIVER / STREAM

Note: Water categories 1a, 1b, or 1c not labelled over 50 percent coverage.

rm	RESERVOIR MARGIN	ra	RAILWAY SURFACE
rp	ROAD PAVEMENTS	rg	ROAD GRAVEL
rs	ROAD SURFACE	ta	TALUS
tz	TALUSOS	ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for r records):

AF	ALPINE FOREST	NP	NON PRODUCTIVE
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CP	CROPLAND	NPF	NON PRODUCTIVE / Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LAKE	R	ROCK/RUBBLE
M	MEADOW	S	SWAMP
MUD	MUD FLAT	SAND	SAND
TIDE	TIDAL FLAT	U	URBAN

NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NF	NON FOREST
NSR	NOT SUFFICIENTLY RESTOCKED
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.

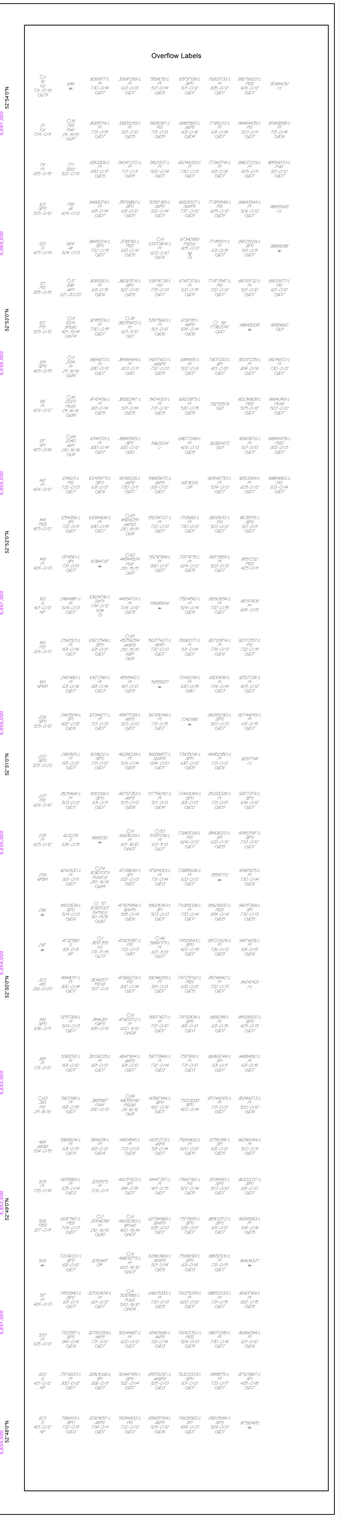
A	Animal Damage	L	Logging
B	Wildfire	M	Misc Damage
D	Insects and Seed Insects	N	Non-Biological Injuries
O	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed 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 Map" to turn on display values for -

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



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