092H095

Vegetation Map
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BRITISH COLUMBIA
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 displayed on this map is approximate. Forest cover polygons, 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
- Silviculture Opening /// Vegetation
- Permanent Sample Plot (CP3)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Rail Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Netl/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 (< 1,000,000 ha - 15 % hatch)
- Municipal boundary (> 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:

LINE DESCRIPTION
1 Silviculture 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 (Douglis 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: stand is sparsely stocked with trees between 7m and 10m and graminoids, shrubs less that 2m.
6 Disturbance History & year
ex: Logged in 1978

Line 1 - History Record Opening Number

OGC - opening number valid for BCGS mapsheet
zopn - 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 4.6 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Y	Yellow Cedar and 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
Hmm	Mountain Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jd	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pm	Mountain Hemlock
Pp	Ponderosa Pine (Yellow)
Pw	Western White Pine
Py	Yellow 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
At	ASPEN (COTTONWOOD or POPLAR)
Ac	Balsam Poplar
Act	Balsam Poplar
Ae	Trembling Aspen
Ax	Hybrid Poplars
At	Trembling Aspen
Atc	Aspen
Ath	ASH/TUS
Ep	Pacific Dogwood
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ew	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ac	Cascara
V	CHERRY
Vm	Black Cherry
V	Choke Cherry
Vp	Pin Cherry
Vu	DOGWOOD
Vu	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bantley's)
Wr	Rocky Mountain Willow (Henrie)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN or 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	ASPEN, (COTTONWOOD or POPLAR)
Af	*Southern Cottonwood
Ap	*Poplar
Ew	European Birch
Ey	Silver Birch (swamp)
Ep	*European Birch
V	CHERRY
Vs	Sweet Cherry
Vy	*Yoshino Cherry
Bm	*Shasta Red Fir
Bc	*White Fir
Bp	*Fir
Lk	*Siberian Larch
Le	*Larch
Mo	Box Elder
Mn	*Norway Maple
Mp	*Sycamore Maple
Oe	*English Oak
Ow	*White Oak
X	OTHER EXOTICS
Ok	*Kentucky Coffee
Ob	*Giant Sequoia
Or	*Coast Redwood
Oa	*Dawn Redwood Ash
Ox	Siberian Elm (southern)
Of	Common Pear
Ou	*Ornamental
Ow	White Ash
G	*Shagbarck Hickory
Gj	*Japanese Hickory
Gk	Japanese Walnut
Pe	*Red Pine
Pn	*Austrian Pine
Pr	*Scots Pine
Py	*Sugar Pine
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 based on the age and height of the dominant trees. Site index curves are applied to the inventory 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. young stands (<30yrs). It is denoted by a stem which always follows the site index estimate. SI curves are from the Inventory 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 MEDIUM - shrub with average shrub height < two metres.

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

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

NON-VEGETATED CATEGORIES (for V and I records)

bs	BARE SOIL	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	gp	GRAVEL PIT	rm	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
br	BOULDERS	mp	MINE PIT	or	ORCHARD
bu	BURNED AREA	p	POND >/-LAKE SEDIMENTS	sp	SNOW COVER
cb	CUTBANK	op	OPEN PIT MINE	re	RESERVOIR
ms	MINERAL SOILS	mi	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ro	ROAD SURFACE
ta	TALUS
ti	TAILINGS
ur	URBAN

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

A	ALPINE	NPBR	NON PRODUCTIVE BRUSH
AF	ALPINE FOREST (Species	NPBRH	NON PRODUCTIVE HERB
BY	BRYOID	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRASSLAND	OR	OPEN RANGE
L	LICHEN	R	ROCKFIELD
MO	MOSSOM	S	SAND
MUD	MUD FLAT	SW	SWAMP

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN

NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NCH	NON COMMERCIAL HERB
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceeded 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	Cultural	N	Non-damage
D	Disease and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
S	Silviculture		
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. Activate 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
WILDLIFE HABITAT/FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels

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