103I090

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
- Immature Opening in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- HydroNearBarriers - 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 Licences - 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:

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LINE  DESCRIPTION
 1    5 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 (Douglas Fir) and Hw (Western Hemlock).
 4    Age Class, Height Class, Crown Closure Class, 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 Description)
      ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
 6    Disturbance History & year - ex: Logged in 1978
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Line 1 - History Record Opening Number

- opening number valid for BCGS mapsheet
- 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	Nootka Cypress
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)
HEMLOCK	
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sekelak Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plx	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
PW	WHITE PINE
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

ALDER	
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ax	Trembling Aspen
Ax	Trembling Aspen
R	ARBUTUS
Pa	Arbutus
E	BIRCH
Ep	Alaska Paper Birch
Eba	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Yc	CASCARA
Ac	Cascara
Y	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wbr	Rocky Mtn. Willow (Barclay's)
Ww	Pussy Willow (gray-leaved)
Wh	Hooker's Willow
Wl	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

APPLE	
Ua	Apple
A	ASPEN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
E	BIRCH
Ea	*European Birch
Ey	Silver Birch (swamp)
Ey	*Yellow Birch
CHERRY	
Ys	Sweet Cherry
CYPRESS	
Yo	*Port Orford Cedar
FIR (Balsam)	
Bp	*Noble Fir
Bn	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
LARCH	
Lsl	*Siberian Larch
Ll	*Siberian Larch
MAPLE	
Mr	Red Alder
Mh	*Norway Maple
Ms	*Sycamore Maple
OAK	
Qe	*English Oak
Qr	*Red Oak
OTHER EXOTICS	
Oc	*Incense Cedar
Ok	*Giant Sequoia
Oe	European Mountain Ash
Oe	Siberian Elm (southern)
Oh	Common Pear
Oa	Oregon Ash
Oa	Oregon Ash
Ot	*Shagbarck Hickory
Oj	Tree-of-heaven
Oc	Siberian Walnut
PINE	
Pm	*Monterey Pine
Pi	*Red Pine
Py	*Bugge Pine
Pn	Austrian
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 and co-dominant trees. Where SI differs from age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). SI is denoted by a slash which always precedes the estimated value. Site trees are Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I record•)

NON-TREED SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - 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
- by BRYOID
- bm BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover.
- bl BRYOID - LICHENS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- ei Exposed Land
- ri Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ao	AIRPORT	gp	GRAVEL PIT	mv	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
bu	BUILT-UP AREA	lk	LAKE/SEA	os	OTHER
bu	BURNED AREA	lk	POND w/ LAKE SEDIMENTS	pn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	rs	RESERVOIR
es	EXPOSED SOILS	mm	MORAINE	r	RIVER / STREAM
gl	GLACIER				

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

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rs	ROAD SURFACE
ta	TALUS
tz	TAILINGS
ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F record•)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
CL	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CUT BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
M	MARSH	P	PRODUCTIVE	NCF	NON COMMERCIAL FOR
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	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.

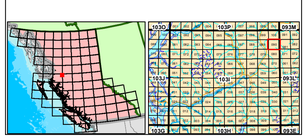
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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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