103P046

Vegetation Map
103P046

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 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 (2ITG)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Non-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 (1:1,000,000 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 Opening Number 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)
6 Non-Vegetated Descriptor (rock/rubble, exposed land and gram/soids, shrubs less that 2m.
7 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OGP - opening number valid for BCGS mapsheet OSPP - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
A, - 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
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jd	Rocky Mtn. Juniper
Jr	Common Juniper
L	LARCH
La	Alpine Larch
Lw	Tamarack
Lt	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pxw	Western White Pine
Pxj	Whitebark Pine
Prc	Red Pine
Ss	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sxl	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sxw	White x Western Hemlock hybrid
Yw	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dm	Mountain
Up	Pacific Crab-Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ep	Paper Birch
Epl	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ea	Water Birch
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	OAK
Gg	Garry Oak
R	WILLOW
Rb	Bebb's Willow
Rp	Pacific Willow
Rh	Hooker Willow (Barclay's)
Rf	Pussy Willow (prior Hervey)
Rs	Scouler's Willow
Rlf	Sitka Willow (lee-kaved)

UNKNOWN - OTHER

X	unknown conifer
H	unknown hardwood
Xh	unknown hardwood
Z	other conifer (to be)
Zh	other hardwood

EXOTICS

	APPLE
Ua	Apple
	ASPEN, COTTONWOOD or POPLAR
Act	Northern Cottonwood
	BIRCH
Ea	European Birch
Ekl	Kamchatka Birch
Ey	Yellow Birch
	CHERRY
Ys	Sweet Cherry
	CYPRESS
Yp	*Port Orford Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bp	Noble Fir
Bpl	Noble x Grand Fir
Bn	*White Fir
	LARCH
Lyl	Golden Larch
Le	*Siberian Larch
	MAPLE
Me	Norway Maple
Ms	*Sycamore Maple
	OAK
Oe	*English Oak
Ow	*White Oak
	PINE
Ce	*Incense Cedar
Ob	*Giant Sequoia
Ot	*Western Redcedar
Ea	European Mountain Ash
Ow	Siberian Elm (southern)
Ob	*Black Ash
Og	Oregon Ash
Ow	*White Ash
Q	*Shagbark Hickory
Ob	*Black Walnut
Ow	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pp	*Ponderosa
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 - 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
Site Index is the tree height at the nearest metre referenced at 50 years breast height age. 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 replace the SI.

4e ESTIMATED SITE INDEX
SI = Estimated value, site index species arrived present; e.g. young stands (< 40yrs), the SI 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-TREE CATEGORIES: (for V and I record's)

NON TREED SHRUB
- sb SHRUB - shrub with average shrub height > or = to two metres.
- s SHRUB LOW - 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 graminoids > 50% of the herb cover.

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

NON-VEGETATED CATEGORIES: (for V and I record's)

be	BEACH	ms	MUDFLAT SEDIMENT
br	BLOCKFIELD	mz	OCEAN
bo	BOULDERS	p	PONDS
bu	BURNED AREA	s	POND or LAKE SEDIMENTS
cb	CUTBANK	os	OPEN PIT MINE
ds	DEPOSITIONALS	mk	MOKAME
gr	GLACIER		

mr	RUBBLY MINE SPOILS
rr	RESERVOIR MARGIN
rw	RAILWAY SURFACE
rv	RIVER SEDIMENTS
rs	ROAD SURFACE
tz	TALUS
ty	TAILINGS
vr	URBAN

NON VEGETATED
- ee Exposed Land
- ro Rock / Rubble
- w Snow / Ice

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

A	ALPINE	GP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
CL	CLAY BANK	NPBU	NON PRODUCTIVE BURN
FL	FLOOD PLAIN	NPF	NON PRODUCTIVE FOREST (Species
GL	GRAVEL BAR	NTA	NON-TREED ALPINE
GR	GRAVEL PIT	OB	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
LA	LAKE	R	ROCK
MUD	MUD FLAT	SNOW	SNOWPATCH

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPRE	NON PRODUCTIVE-RESTOCKED		
NTA	NOTTREED 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
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seeding Fungal Pathogens
I	Insects		

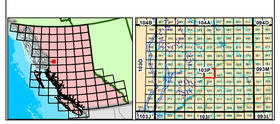
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

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 LABEL
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels

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