103H042

Vegetation Map
103H042

Province of 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 / Terrain

This m ap 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 revised June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x4 Trail Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other Ferries
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Rivers - ESM
- Waterbodies - ESM
- Waterbodies - BEM
- Wetlands - ESM
- Cover - 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 (> 1:200,000 ha - 15 % hatch)
- Municipal boundary (< 1:200,000 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:

```
OP
ESA
FdPl
2F 20
Pw1
Cw5
```

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 - separated by a hyphen / estimated SI
ex: 2 = age class 2 (21-40 yrs), 0 = height class 0 (0-4 m), 1 = 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 that 2m.
6 Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number

OP - opening number valid for BCGS mapsheet
NOP - 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	YEW
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
Hw	Western Hemlock
Hwi	Western Hemlock Hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetie Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plp	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine
Pw	Western White Pine
Pwi	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxl	Spruce Hybrid
Sxs	Sitka x Unknown Hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
A	ARBUTUS
Up	Pacific Crab Apple
Act	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
At	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
Ae	Trembling Aspen
E	ARBUTUS
Ra	Arbutus
G	BIRCH
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
Yb	Yellow Birch
K	Cascara
V	CHERRY
Vu	Choke Cherry
Vc	Chokecherry
Up	Pin Cherry
Vp	Bitter Cherry
Gb	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bebb's)
Wr	Red Willow (Basket Willow)
Ws	Scouler's Willow
Wl	Sitka Willow (sea-kelped)

UNKNOWN - OTHER

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

EXOTICS

	APPLE
Ua	Apple
Aet	ASPEN, COTTONWOOD or POPLAR
	Black Cottonwood
	BIRCH
Ek	European Birch
Ey	Purple (European)
Ey	Yellow Birch
	CHERRY
Vs	Mazzard Cherry
	CYPRESS
Yo	*Port Orford Cedar
	FIR (Balsam)
Bp	*Noble Fir
Bpi	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
	LARCH
Ld	*European Larch
Lx	*Siberian Larch
	PINE
Pa	Blue Spruce
Mr	*Norway Maple
Mm	Sycamore Maple
	Oak
Qe	*English Oak
Qm	*White Oak
	OTHER EXOTICS
Oc	*Incense Cedar
Oi	*Giant Sequoia
Or	*Coast Redwood
Oh	European Mountain Ash
Os	Western Elm (southern)
Of	Common Pear
Ob	Black Locust
Ot	*White Ash
Oc	*Shagbark Hickory
Ol	*Tree of Heaven
Oa	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar 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	141-160
9	161 +

4b 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 leading species. When an accurate SI cannot be obtained from an undisturbed FIP/VRI stand after a visit/area file up, provisional SI's may be assigned from a nearby stand of similar species composition, site conditions and history.

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. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arenot present, e.g. immature or non-forest. Refer to the data set which shows projected SI's. Refer to the data set which shows Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (1st V and 1 or 2 nd s):

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- u 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 herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of herb cover.

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

NON-VEGETATED
- d Exposed Land
- rs Rock / Rubble
- ss Snow / Ice

NON-VEGETATED CATEGORIES (1st V and 1 or 2nd s):

ar	ALPINE	ls	LAKE	mv	MUDFLAT SEDIMENT
be	BEACH	lk	LAKE	mr	RUBBLE MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	mo	OCEAN
bu	BURNED	mi	MINE	mp	PONDS
bs	BURNED AREA	rs	POND or LAKE SEDIMENTS	ms	SNOW COVER
cb	CUTBANK	mn	OPEN PIT MINE	mr	RESERVOIR
ds	DISTURBED SOILS	mq	MORAINE	rr	RIVER / STREAM
ga	GLACIER		Water categories (ie. ou, re, rr) not labeled over 50 percent coverage.		

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (Non-F, Non-P):

AL	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST-Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY SHAM	NPT	NON PRODUCTIVE FOREST-Species		
GL	GLACIAL ICE	NPX	NON PRODUCTIVE UNKNOWN	NC	NON COMMERCIAL
GR	GRAVEL PIT	OB	OPEN BANKS	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
MU	MUDFLAT	R	ROCK	NPBR	NON PRODUCTIVE BROKEN STOCKED
NGD	MUDFLAT	S	SWAMP	NFA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates a category: refer to official code list for sub-category descriptions.

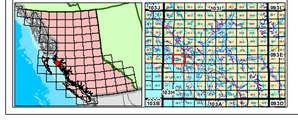
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

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 Selected" to turn on display values for:

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



Overflow Labels

103H042

103H042