103H075

Vegetation Map
103H075

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 - VRIMS1 / Ownership
Base Map Source: TRIM / Terrains

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 the line are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- As-Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- FrontNRO Region boundary
- Resource District boundary - FADM
- MU - Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrains
- 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:

01 E14 Fd5Hw 28 20 Sw7 0078

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 (Douglir. Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: stand is age class 5 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 5 (46-55%), SI 20m
5 Vegetated Density Class (or Non-Forest/Non-productive Descriptor)
ex: 7 = 16-25% stocking for trees, 16-25% shrubs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex 0 = logged in 1978

Line 1 - History Record Opening Number :

0001 - opening number valid for BCGS mapsheet 2003K - 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

CODE	
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	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jd	Desert Juniper
L	LARCH
La	Subalpine Larch
Lw	Tamarack
Lw	Western Larch
P	PINE
Pl	Pond Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pla	Lodgepole Pine (interior)
Plx	Lodgepole Pine x Jack Pine hybrid
Pli	Ponderosa Pine (yellow)
Pw	Shore Pine (scrub)
Pwa	Whitebark Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Sitka x White
Sxl	Sitka x White
Sxs	Sitka x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

CODE	
D	ALDER
Dr	Red Alder
Da	Sitka Alder
Up	Paper Birch
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
Ad	Black Poplar
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ac	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (deciduous)
Mv	Vine Maple
O	OAK
Og	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bentley's)
Wr	Pussy Willow (grey-leaved)
Ws	Scouler's Willow
Wy	Yellow Willow (thin-leaved)

UNKNOWN - OTHER

CODE	
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xs	unknown shrub (not tree)
Zz	other conifer
Zh	other hardwood

EXOTICS

CODE	
Ue	APPLE
Ua	ASPEN, COTTONWOOD or POPLAR
Ad	BIRCH ~Southern Goldenrod
Ea	~Asian Birch
Es	~Silver Birch (swamp)
Ey	~Yellow Birch
Ue	CHERRY
Ue	CYPRESS ~Pond Cypress
Up	~Port Orford Cedar
Ue	FIR (Balsam)
Bb	~Balsam Fir
Bg	~Grand Fir
Bm	~Shasta Red Fir
Bc	~White Fir
Lk	LARCH ~Dahurian Larch
Ld	~Siberian Larch
Lk	~Larch
Ue	Ice Tree
Um	~Norway Maple
Ms	~Sycamore Maple
Ue	OAK ~English Oak
Qw	~White Oak
	OTHER EXOTICS
Qa	~Black Locust
Qs	~Giant Sequoia
Qu	~Coast Redwood
Ou	~Green/Red/Manitoba Ash
Oa	~Mountain Ash (rowan)
Of	~Common Pear
Og	~Oregon Ash
Ou	~Shamel Ash
Ot	~Shellbark Hickory
Oj	~Tree-of-Heaven
Oh	~Japanese Walnut
Ue	PINE ~Monterey Pine
Pr	~Red Pine
Ps	~Scots Pine
Ue	SPRUCE ~Norway Spruce

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
SI 20 is shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the tallest trees in the stand. Site index curves are inventory 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), it is denoted by a slash which always precedes the estimated SI. Estimated SI are Inventory Type Group and SI 6 elevated source code.

Line 5 - Vegetation records

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

NON-TREED SHRUB
- w 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 the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED SHRUB
- by BRYOID - 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 - LICHEN - bryoid with lichens > 50% of the bryoid cover.

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

ai	AIRPORT	gp	GRAVEL PIT
ar	ROCK	la	LAKE
b	BOULDERFIELD	lk	LAKEBED
br	BEDROCK	li	LANDING
bu	BUILT-UP AREA	ls	LAKE OR RIVER SEDIMENTS
cu	CUTBANK	mi	OPEN PIT MINE
es	EXPOSED SOILS	mr	MORAINE
g	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
o	OPEN WATER SPECIES	ro	RESERVOIR SEDS
oc	OCEAN	rs	RIVER SEDIMENTS
ot	OTHER	rz	ROAD SURFACE
rc	RESERVOIR	s	SAND
re	RESERVOIR	ta	TAILINGS
		ur	URBAN

Note: Water categories (la, ocean, rs, rz) not labelled over 60 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH
B	BARREN	NPF	NON-PRODUCTIVE FOREST
CL	CLAY BANK	NPT	NON-PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
ICE	ICE/SNOW	O	OPEN TREED
ICE	ICEFIELD	P	HARVESED
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
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.

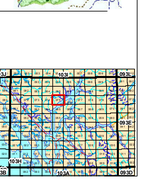
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seeding Fungal Pathogens
I	Insect		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of theme 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





Overflow Labels