104K072

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
104K072

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS I/ Ownership
Base Map Source: TRIM / Tantalis

This map is created from information store d 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 info rmation portrayed m ay not be complete and up to date Ca dastral, administrative boundaries and the Ownership colour the me 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 (GVS)
- Research Installations

TRIM. Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air ff erlines
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/dAreaBarriers - 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 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 (Dougls 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: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

OX	074	Fd/Hw	2	20	1	herb	0078

Line 1 - History Record Opening Number

OX - opening number valid for BCGS mapsheet

ox/x - 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 Compsition: 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)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sheidd's Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole Pine x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pc	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ae	Trembling Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Rm	Pacific
B	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	DOGWOOD
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vm	Mazzard
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	OAK
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wh	Peachleaf Willow (Bentley's)
Ww	Pussy Willow (grey leaved)
Wr	Red Willow (Hooker)
Wi	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ue	Exotic
A	ASPEN, COTTONWOOD or POPLAR
Af	*Southern Cottonwood
E	BIRCH
Ea	European Birch
Ek	Asian (swamp)
Ey	*Yellow Birch
Y	CHERRY
Ys	Sweet Cherry
Y	CYPRESS
Yp	Exotic Orford Cedar
F	FIR (Balsam)
Fb	*Balsam Fir
Fn	Noble Fir
Fm	*Shasta Red Fir
Fc	*White Fir
L	LARCH
Ld	*Dauurian Larch
Ls	*Siberian Larch
M	MAPLE
Me	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
O	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Oa	*Horse Chestnut
Os	*Giant Sequoia
Oc	*Coast Redwood
Od	European Mountain Ash
Oe	Siberian Elm (southern)
Ok	Common Pear
	Oregon Ash
Oj	Exotic Ash
Ol	*Shagbunk Hickory
Oj	Tree-of-Heaven
Oh	Japanese Walnut
P	PINE
Pm	*Monterey Pine
Pr	*Red Pine
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

All SI are entered 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 age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI was annot present, e.g. young stands (<30yrs). It 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 records)

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	- 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 BRYOID

by	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 CATEGORIES (for V and I records)

ae	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	ro	ROCK
bv	BURNED	lo	OCEAN	oc	OTHER
bz	BURNED AREA	ls	SAND or LAKE SEDIMENTS	pr	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	rr	RESERVOIR
es	EXPOSED SOILS	mm	MORAINE	r	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN		
rm	RAILWAY SURFACE		
rs	RIVER SEDIMENTS		
rz	ROAD SURFACE		
tb	TALUS		
ts	TAILINGS		
ur	URBAN		

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

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

A	ALPINE	NP	NON PRODUCTIVE		
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH		
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN		
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
D	DEBRIS FLOW	NSR	NO SITE REPORT AVAILABLE		
GR	GRAVEL PIT	OA	OPEN ALPINE		
ICE	ICE FIELD	P	HAY FIELD		
M	MEADOW	R	ROCK		
MUD	MUD FLAT	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.

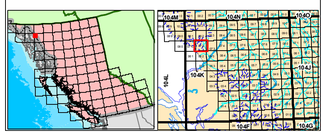
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

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 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



104K081 104K082 104K083 104K071 104K072 104K073 104K061 104K062 104K063

83-16 139

Skeena Stikine Natural Resource District

CASSIAR DISTRICT

Overflow Labels

104K072