093K039

Vegetation Map
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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 / 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 represented may not be current and is subject to change. Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. Digitally created June 2014.

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM_Base Features :
- Ag Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airl/Ferries
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines-Barriers - 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:

CU2 / 2 / 5Fd4 Hw3 / 40-30 / 1 / 0609

LINE DESCRIPTION
1. Silviculture symbol and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition
   ex: stand is dominated by 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)
   ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6. Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opning Number

CU2 - opening number valid for BCGS mapsheet 5Fd4 - 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	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
H	Mountain Hemlock
Hw	Western Hemlock
Hm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western Soft Pine
Pyb	Ponderosa Pine (black)
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Vp	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplar
Ae	Black Cottonwood x Balsam
E	BIRCH
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ey	Yellow (Alaska) Birch
Ew	Water Birch
K	CASCARA
G	CHERRY
Y	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vy	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
Q	Oregon Oak
W	WILLOW
Wp	Pacific Willow
Wg	Peachleaf Willow (Bandaz's)
Wr	Pussy Willow (gray-leaved)
Wy	Scouler's Willow
Ww	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
Ux	ASPEN, COTTONWOOD or POPLAR
Azt	*Southern Cottonwood
Ep	BIRCH
Epe	*European Birch
Ek	Silver Birch (swamp)
Ey	*Yellow Birch
C	CHERRY
Ys	Sweet Cherry
Y	CYPRESS
Yp	*Port Orford Cedar
B	FIR (Balsam)
Bb	*Balsam Fir
Bgr	Noble Fir
Bn	*Nikko Fir
Bpl	*White Fir
L	LARCH
Ld	*European Larch
Lk	*Siberian Larch
M	MAPLE
Mr	Red Maple
Mn	*Norway Maple
Ms	*Sycamore Maple
O	OAK
Qe	*English Oak
Qw	*White Oak
P	PINE (EXOTICS
Pc	*Corsican Pinder
Pb	*Giant Sequoia
Pc	*Coast Redwood
Pd	Eastern White Cedar
Pm	*Monterey Cypress
Pn	Common Pear
Pp	Oregon Ash
Pr	*Red Alder
Q	*Snoqualmi Hickory
Qi	Tree-of-heaven
Qk	*Japanese Walnut
PSU	
Pnr	*Monterey Pine
Pp	*Ponderosa
Pp	*Sugar Pine
S	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 shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant trees. Site index may be estimated (i.e. estimated from age and height, estimated SI is shown after, or replaces the SI).

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present; e.g. young stands (<30yrs). It is denoted by a slash which always follows the estimated SI (example 20/). Refer to latest site 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.
- sm SHRUB-LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h 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 > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	g	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mp	RUBBLY MINE SPOILS
bl	BOULDERFIELD	lr	LAKE-RED	ot	OTHER SEDIMENTS
bc	BIOSOLIDS	lo	OTHER	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	pe	SNOW COVER
cb	CUTBANK	m	OPEN PIT MINE	re	RESERVOIR
ea	EXPOSED SOILS	mm	MORAINE	r	RIVER / STREAM
d	DUNES				

Note: Water categories (la, lo, re, r) not labelled over 5m percent coverage.

rm	RESERVOIR MARGIN		
rr	RAILWAY SURFACE		
rs	ROAD SEDIMENTS		
rz	ROAD SURFACE		
ta	TALUS		
tz	TAILINGS		
u	URBAN		

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

AP	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
CP	CLEARCUT	NPF	NON PRODUCTIVE FOREST (Species		
G	GRASS, BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
L	LOW BRUSH	OW	OPEN WOLD	NF	NON FOREST
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING 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.

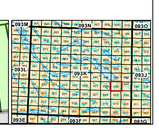
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW
in the Forest Cover Map Group. 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



Overflow Labels

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