0941074

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 contained 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

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

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RV 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:

SI 27 / 5 / Fdi / Hw / 3m / 80 / 2007

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 (Dougla 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 Non-Vegetative Descriptor (if applicable) - (see Non-Vegetative Descriptor)
ex: a lake polygon with no distinction between forbs and graminoids, shrubs less that 2m
6 Disturbance History & year - ex: Logged in 1976

Line 1 - History Record Opening Number

'SI' - opening number valid for BCGS mapsheet 'zzzz' - 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 labelled 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 dataed 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	Subalpine 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	Seaside Juniper
L	LARCH
Lw	Western Larch
Lt	Tamarack
Le	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Lodge Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pw	Western White Pine
Pa	Whitebark Pine
Pf	Limber Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sx	White Spruce
Sxl	Lutz Spruce
Sxx	Spruce hybrid
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
U	ASPEN
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
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
K	CASCARA
V	CHERRY
Vb	Black Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peach-leaf Willow (Bolander's)
Ww	Pussy Willow (pussy-leaved)
Ws	Scouler's Willow
Wil	Sitka Willow (late-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
	ASPEN, COTTONWOOD or POPLAR
Ad	'Southern Cottonwood
	BIRCH
Be	European Birch
Bm	'Purple Birch(Mix)
Ey	'Yellow Birch
	CHERRY
Cl	'Mazzard Cherry
	CYPRESS
Yo	'Port Orford Cedar
	FIR (Balsam)
Bp	'Balsam Fir
Bn	'Noble Fir
Bma	'Shasta Red Fir
Bc	'White Fir
	LARCH
Lsa	'Siberian Larch
Ld	'Dahurian Larch
Ls	'Siberian Larch
	MAPLE
Me	Box Elder
Mn	'Norway Maple
Mp	'Sycamore Maple
	OAK
Qe	'English Oak
Qw	'White Oak
	OTHER EXOTICS
Ch	'Horse Chestnut
Cs	'Giant Sequoia
Cc	'Coast Redwood
Cg	European Mountain Ash
Ce	Siberian Elm (southern)
Cf	German Elm
Ug	'Ginkgo Ash
Ue	'Green Ash
Uml	'Shagbarck Hickory
Cj	Tree-of-heaven
Cw	'Japanese Walnut
	PINE
Pm	'Monterey Pine
Pn	'Austrian Pine
Pp	'Regal 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 - 29.4
4	29.5 - 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 shown for the primary species 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 trees arenot present, e.g. Recently logged, Non-Fd, Hw, Cw leading species. Fd is always predicted SI. 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
- sf SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

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

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

NON-VEGETATED CATEGORIES (for V and I records)

ac	ACTIVE	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ap	ASPHALT	gr	GRAVEL	mz	RUBBLY MINE SPOILS
bf	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bl	BEDROCK	ld	LANDING	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	sn	SNOW COVER
cl	CLEARING	mi	MINE DEVELOPMENT	ri	RIVER / STREAM
es	EXPOSED SOILS	mn	MORAINE	rv	RIVER / STREAM
gl	GLACIER				

Note: Water categories (ia, ia, ic, ri) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN		
rw	RAILWAY SURFACE		
rs	RIVER SEDIMENTS		
rd	ROAD SURFACE		
ta	TALUS		
tz	TAILINGS		
ur	URBAN		

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
BR	BRUSH TREATED	NPBS	NON PRODUCTIVE SHRUB
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRAVEL BAR	N/A	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LAKE	OT	OTHER/MULTI
M	MEADOW	R	ROCK
MUD	MUD FLAT	S	SWAMP
		SAND	SAND
		TIDE	TIDAL FLAT
		U	UREA
		NC	NON COMMERCIAL
		NCBR	NON COMMERCIAL BRUSH
		NSR	NOT SUFFICIENTLY RESTOCKED
		NSR	NOT SUFFICIENTLY RESTOCKED
		N/A	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	I	Logging
B	Wildfire	M	Mde 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		

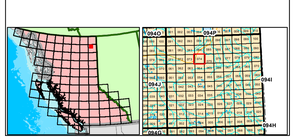
Example Opening History Details

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
SILVICULTURE BLOCK
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH




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