092P011

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 portrayed 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
- Structure Opening in Vegetation
- Permanent Sample Plot (2170)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aq/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - 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 (< 1,000,000 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. Structure 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. Vegetated Crown Closure Class Code - separator - Site Index / estimated SI
ex. stand is age class 3 (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 Description)
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 Opening Number

0001 - opening number valid for BCGS mapsheet

0009 - 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
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Western Hemlock Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jsc	Scopulorum Juniper
LARCH	
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plcx	Lodgepole x Jack Pine hybrid
Pli	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pwa	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Hybrid Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
D	Red Alder
Dr	Red Alder
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ate	Trembling Aspen
Atw	Black Cottonwood
Ax	Hybrid Aspen
Ate	Trembling Aspen
Ax	ARBUTUS
Mb	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ex	Hybrid Birch
Ke	Kenai Birch
Yc	Cascade
Y	CHERRY
Ybi	Bitter Cherry
Ych	Choke Cherry
Yp	Pin Cherry
D	DOGWOOD
Dw	Pacific Dogwood (western flowering)
G	GARRY OAK
Gb	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bonsby's)
Wp	Pacific Willow (Lasiandra)
Wr	Scouler's Willow
Wr	Sitka Willow (sea-kaward)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xs	unknown softwood
Z	OTHER (tree not on list)
Zh	other hardwood
Zs	other hardwood

EXOTICS

A	ASPLE
Ale	Alder
Ax	ASPEN, COTTONWOOD or POPLAR
Axf	*Southern Cottonwood
B	BIRCH
Ek	*European Birch
Ex	Silver Birch (swamp)
Ky	*Yellow Birch
Y	CHERRY
Ys	Sweet Cherry
CYPRESS	
Yn	*Nootka Cedar
F	FIR (Balsam)
Bpr	*Noble Fir
Bs	*Grand Fir
Bs	*White Fir
L	LARCH
Ld	*European Larch
Lk	*Japanese Larch
MAPLE	
Mb	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
O	OAK
Oc	*White Oak
Qw	*White Oak
Qw	*Garry Oak
Oc	*Chestnut Cedar
Ok	*Giant Sequoia
Ob	*Coast Redwood
Ow	European Mountain Ash
Ow	Siberian Elm (southern)
Ow	Common Pear
Ow	*Crab Apple
Oa	*White Ash
Ot	*Whitebark Hickory
Ow	*Mountain Ash
Ow	Japanese Walnut
PINE	
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar Pine
Y	YEW
Yn	*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)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
R	86 - 100

4d SITE INDEX

Site Index is estimated 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 sample information it is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

Estimated Site Index is used when no samples are/will 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)

s	SHRUB	- shrub with average shrub height > or = to two metres.
w	SHRUB TALL	- shrub with average shrub height < two metres.
d	SHRUB LOW	
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		
b	BRYOID	- bryoid with no distinction between moss 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

ve	Exposed Land
rs	Rock / Rubble
sl	Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BUILDING	l	LAKE	mv	MOUNTAIN VARIETAL
br	BLOCKFIELD	la	LAVA BED	oc	OCEAN
br	BEDROCK	t	LANDING	or	OTHER
cb	CUTBANK/ERA	ms	MISCELLANEOUS SEDIMENTS	ov	OVERBURDEN COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mm	MORAINE		RIVER / STREAM

Water - Water categories (ie. wl, lw, w) not labelled over 95 percent coverage.

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

AF	ALPINE FOREST	NPBR	NON PRODUCTIVE BRUSH	SAND	SAND
AF	ALPINE FOREST (Species	NPBS	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLEARING	NPBU	NON PRODUCTIVE BURN (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
M	MEADOW	R	ROCK	NFL	NON FOREST LAND
M	MEADOW	S	SWAMP	NNR	NOT INVENTORY RESTRICTED
SNAS	SNOW PLAT			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.

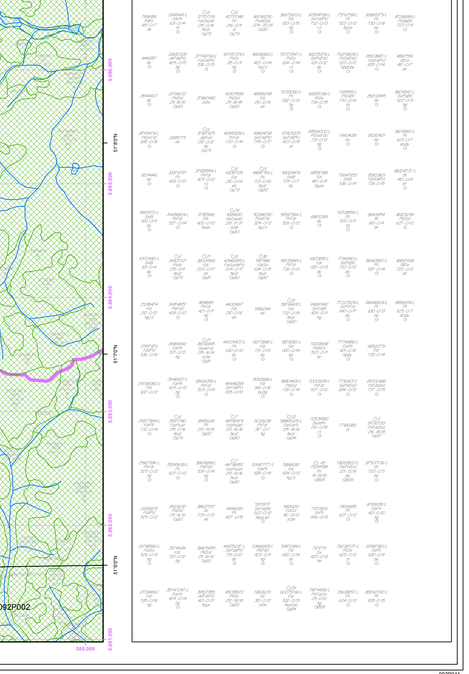
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mild Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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



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