092P076

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:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- AirFerries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice-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 - 16 % 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 Opening Number 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. the Fd is 121-140 years old (class 6), 31-35 m tall (class 5), 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

0001E - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer L

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	ALDER
Cw	Western Red Cedar
Hm	Mountain Hemlock
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fa	Amabilis Fir
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpina)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mt. Juniper
Js	Sweetcrisp Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pine
Pli	Lodgepole Pine
Pla	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (coastal)
Pw	Shore Pine (coastal)
Pw	Western White Pine
Pyb	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Se	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Du	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPULAR
At	Aspen
Atb	Balsam Poplar
Atf	Black Cottonwood
Ac	Black Cottonwood
Ae	Trembling Aspen
R	ARBUTUS
Rm	Pacific Madrone
B	BIRCH
Ea	Alaska Paper Birch
Ebp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
E	Unknown
Ec	Cascara
V	CHERRY
Vu	Pin Cherry
Vc	Choke Cherry
Up	Pin Cherry
Vm	Bitter Cherry
*	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wd	Prairie/Sall Willow (Bebb/la'ric
Ww	Pussy Willow (gray-leaved)
Wr	Red Willow
Ws	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ua	Apple
Act	BALSAM, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
	BIRCH
Ek	*European Birch
Ex	Silver Birch (swamp)
Ey	*Yellow Birch
Y	CHERRY
Ys	Sweet Cherry
	CYPRESS
Yp	*Monterey Cedar
	FIR (Balsam)
Bb	*Balkan Fir
Bc	*Corkbark Fir
Bn	*Grecia Red Fir
Bc	*White Fir
L	LARCH
Ld	*Dahurian Larch
Lk	*Siberian Larch
M	MAPLE
Mr	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
Qrk	OAK
Qk	*English Oak
Qm	*Turkey Oak
	OTHER EXOTICS
Ow	*Incense Cedar
Ol	*Common Larch
Ot	*Coast Redwood
Ow	European Mountain Ash
Ow	*Giant Sequoia/Wellin
Op	Common Pear
Og	Oregon Ash
Ob	*Black Ash
Or	*Shagbark Hickory
Ot	Tree-of-Heaven
Ow	*Western Walnut
	PINE
Pm	*Monterey Pine
Pp	*Ponderosa Pine
Pk	*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	141-160
9	161+

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 25.4
4	25.5 - 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
0	86 - 100

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years breast height age. SI may be estimated from a single or multiple 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; eg. recent disturbance. The SIBEC SI model is used as a guide and provides E Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5c/ 5y and l record*s)

NON-TREED SHRUB
- s - SHRUB - shrub with average shrub height > or = to two metres.
- st - 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
- bs - BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm - BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- bl - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (5v/ 5y and l record*s)

ea	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
se	BEACH	lk	LAKE	mr	RUBBLY MINE SPOILS
sf	BOULDERFIELD	lr	LAKE RAISED	ro	ROCK
sc	BEDROCK	l	LANDING	or	OTHER
bs	BURNED AREA	s	POND or LAKE SEDIMENTS	gm	SNOW COVER
ea	EXPOSED EARTH	sw	SWAMP	gi	PERMANENT ICE
es	EXPOSED SOILS	zw	WOWAND	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories lk, so, lc, rl,r,ocl tabelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTIONS CODES (5nf / 5npdes)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
B	BRUSH NON FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	SF	SILT FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRASS / HERB	NPL	NON PRODUCTIVE LOGGABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OA	OPEN AWASH	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE	R	ROCK	NPBR	NON PRODUCTIVE RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NOT TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceeded by symbol, followed by earliest date
For examples of disturbance type designates category, refer to official code list for sub-category descriptions.

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

Example Opening History Details

Detailed Silviculture information is available on the BCGW
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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