093J075

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Vegetation Map
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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 facilitate printing on a standard 8.5" x 11" colour printer. Some information may be illegible when the map is reduced or 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 (VRI)
- Research Installations

TRIM, Base Features:
- 4x4 Trail
- Forest Tenure Road Lines
- Paved Roads
- Gravel Roads
- Trails/Cutlines
- Railways
- Airfp/Helip
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolline/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- Reg - 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 (if > 1,000,000 ha - 15 % hatch)
- Municipal boundary (if > 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:

C/F 2 E/C 3 Ep 4 60 5 Fd 6 Hw 7 Cw 8 Ba 9 Hm 10 Ac 11 0 12

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 (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI
5 Vegetated Non-Forest/Productive Description - Non-Vegetated if crown closure class 1 (5-15%), SI 20m
6 Vegetated Density Class (or Non-Forest/Productive Description)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
7 Disturbance History & year - ex. Logged in 1979

Line 1 - History Record Coping Number

opening number valid for BCGS mapsheet ..... zzzzz - 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 (eg separate descriptions 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
Cr	Cascade Red Cedar
Cy	CYPRESS
Y	Yellow Cypress
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdx	Douglas Fir x
Fx	Hybrid Fir
Bg	Grand Fir
Bgx	Grand Fir (x spp)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwx	Western x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum
L	LARCH
Lt	Tamarack Larch
Lw	Western Larch
Lx	Hybrid
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole Pine x Jack Pine hybrid
Pm	Ponderosa Pine (yellow)
Pmi	Ponderosa Pine (interior)
Pw	Western White Pine
Pwa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sxe	Engelmann x White
Sxl	Lutz Spruce
Sxs	Sitka x unknown hybrid
Sxw	White x Sitka
Ye	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Vc	Pacific Crabapple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ap	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
Ax	Trembling Aspen x
B	BIRCH/OAK
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ew	Alaska Birch (white)
Ep	Paper Birch
K	CASCARA
C	CHERRY
Cc	Cascara
Ue	Bitter Cherry
Um	Black Cherry
Up	Pin Cherry
Us	Choke Cherry
Up	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wpb	Pacific Willow (Barrett's)
Wr	Pussy Willow (gray-leaved)
Wy	Scouler's Willow
Wsl	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown/exotic
Xh	unknown hardwood
Xl	unknown tree (all or list)
Zz	other conifer
Zh	other hardwood

EXOTICS

W	APPLE
Y	ASPEN, COTTONWOOD or POPLAR
Yb	Balsam Cottonwood
E	BIRCH
Ea	European Birch (common)
Ey	Yellow Birch
G	CHERRY
Gs	Sweet Cherry
X	CYPRESS
Xc	Monterey Cedar
F	FIR (Subalpine)
Fa	Amabilis Fir
Fb	Noble Fir
Fg	Grand Fir
Fv	Veitchi Fir
L	LARCH
Lk	European Larch
Lj	Japanese Larch
M	MAPLE
Mn	Norway Maple
Mr	Norway Maple
O	OAK
Or	English Oak
Op	White Oak
Z	OTHER EXOTICS
Zc	Exotic Conifer
Zh	Exotic Hardwood
Zr	Forest Redwood
Zt	Giant Sequoia/Wellin Ash
Zx	Siberian Elm (southern)
Zd	Douglas Hybrid
Zg	Oregon Ash
Zp	Poplar hybrid
Zv	Virginia/Jo Hickory
Zl	Tree of heaven
Zw	Western Hemlock
Pa	Monterey Pine
Pp	Ponderosa Pine
Pc	Chilgoza Pine
Pn	Austrian Pine
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 - 16.9
3	17.0 - 22.9
4	23.0 - 37.4
5	37.5 - 48.9
6	49.0 - 64.4
7	65.0 - 84.4
8	85.0 +

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
Site Index is the nearest metre referenced at 50 years breast height age. Site Index for the Interior Cedar Hemlock variant is referenced at 100 years breast height age. If site trees are younger than breast height age, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX #
SI is estimated when suitable SI trees cannot present, e.g. Non-Forest/Productive Descriptions, Non-Vegetated, and Non-Productive descriptions if 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-TREES SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREES 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-TREES BRYOID
- br BRYOIDS - 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 (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mg	MUDFLAT SEDIMENT
bl	BOULDERS	ic	ICE	mp	MUDFLAT TIDAL MARSH
bu	BUILDING	l	LAKE	oc	OCEAN
bk	BUSKROOK	s	LANDSLIP	ri	RIVER SEDIMENTS
cb	CONSTRUCTION AREA	ls	LANDSLIP, OLD SEDIMENTS	sn	SNOW COVER
dy	DYKE/DAM	m	MARSH	st	STREAM SEDIMENTS
ex	EXTENSIVE SOIL EXPOSURE	mi	MINE	tz	TIDAL ZONE
gl	GLACIER				

NON-VEGETATED
- rd Exposed Land
- rk Rock Bluff
- w Snow / Ice

- re RESERVOIR MARGIN
- rm RIVER MARGIN
- rs RIVER SEDIMENTS
- sp SALT MARSH SPACE
- te TALUS
- ta TAILINGS
- uf URBAN

Note: three categories (bl, ap, sl) not labelled over 80 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AT	ALPINE FOREST (Species)	NPBR	NON-PRODUCTIVE BRUSH	SAT	SALT FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	SW	SWAMP
F	FOREST	NPFT	NON-PRODUCTIVE FOREST (Species)		
G	GRASS/ BAR	NPM	NON-PRODUCTIVE MUD	NC	NON COMMERCIAL
GB	GRASS/ BRUSH	R	ROCK	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	RIV	RIVER BAR	NPC	NON-PRODUCTIVE
M	MEADOW	S	SNOW	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	SAN	SAND	TEA	NOT 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	Mechanical Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases - Insects	O	Cone and Seedling Fungal Pathogens
		S	Site Rehabilitation
		T	Treatment Injuries
		U	Unknown/Other
		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 thinned RESULTS data.

The Ministry of Forests, Mines and Lands web application http://www.for.gov.bc.ca/hts/ has 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
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels

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