092E087

Vegetation Map
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Scale 1:20,000

1 Kilometers

Vegetation Data Source: MFLNRO - VRIMS / Ownership
Base Map Source: TRIM / Toporama

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, 2015

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x Axle Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Track/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkedkanals - ISM
- Watercourses - ISM
- Waterbodies - ISM
- Wetlands - ISM
- Ocean - ISM

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 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex. the most important layers is described as a Fd (Douglis Fir) and Hw (Western Hemlock)
4 Stand Age, Height, Crown Closure and Site Index (Site Index is optional)
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 Tw/b 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

0123 - opening number valid for BCGS Mapsheet 0123 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

VRIMS Polygon Number - ranging from one to nine digits
L Multi-layered stand (if 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
Ylm	Mountain Hemlock
F	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
P	PINE
Pa	Amabilis Fir
Pl	Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plc	Lodgepole Pine (Contorta)
Pp	Ponderosa Pine (yellow)
Pla	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sep	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sw	Spruce Hybrid
Sxw	Engelmann x White
Sxl	Engelmann x
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
J	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Act	Black Cottonwood
E	BIRCH
Ep	Paper Birch
Epp	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ek	Kenai Birch
K	CASCARA
Ky	Cascara
V	CHERRY
Vs	Bitter Cherry
Vv	Choke Cherry
G	DOGWOOD
Gp	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
W	WILLOW
Wp	Pacific Willow
Wd	Pacific Willow
Wa	Peachleaf Willow (Bardaw's)
Wsp	Sitka Willow (Barclay's leaved)
Wsi	Sitka Willow (Sitchensis)
Wr	Willow (Undetermined)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (See notes list)
Zz	Other
Zh	other hardwood

EXOTICS

J	APPLE
Ua	Siberian Crab
Ae	ASPEN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
Ab	BIRCH
Ew	*European Birch
Ey	Silver Birch (swamp)
Ez	*Yellow Birch
Ch	CHESTNUT
Vs	Sweet Cherry
Vy	*Cherry
Yo	*Port Orford Cedar
Fb	FIR (Balsam)
Bb	*Balsam Fir
Bn	Noble Fir
Bm	*Shasta Red Fir
Ba	Grand Fir
L	LARCH
Lt	*Tamarack Larch
Lk	*Dunkeld Larch
M	MAPLE
Mk	Box Elder
Mr	*Red Maple
Ms	*Sycamore Maple
OAK	
Qg	*English Oak
Qn	*White Oak
OTHER EXOTICS	
Oa	*Horse Chestnut
Os	*Giant Sequoia
Ov	*Coast Redwood
Ou	*Common Walnut-Ash
Ob	Mixed Oth (exotic/hrt)
Of	Common Pear
Ol	*Russian Olive
Oh	*Hickory
Oj	*Shagbark Hickory
Ot	*Black Walnut
Oz	Japanese Walnut
PINE	
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar Pine
Pi	*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 - 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 known to the nearest metre witnessed at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees. Site index is determined from age and height, estimated 0.1m above either, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when available SI does not exist or is not present, e.g. young stands (<10yrs). It is denoted by a slash which always precedes the SI number (e.g. /20). Site index is determined from Tree Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREE SHRUB
- sb SHRUB TALL - shrub with average shrub height > or = to 2 metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREE HERB
- he HERB - forb 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-TREE BRYOID
- by BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwrts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- v Vegetated Land
- w Rock / Rubble
- u Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

bl	BOULDERS, PIT	mu	MUDFLAT SEDIMENT
bf	BOULDERFIELD	rs	RUBBLY MINE SPOILS
bl	BLOCKFIELD	rk	ROCK
ss	SCREE SLOPE	rb	ROCK/RUBBLE
sa	SURFACE AREA	sn	SNOW COVER
cb	CUTBANK	re	RESERVOIR
ms	MINE SPOILS	st	STREAM / STREAM
gl	GLACIER		Note: Water categories (ea, ou, re, st) need between one to two percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH
BE	BEACH	NPMC	NON-PRODUCTIVE CLOSED
CL	CLAY BANK	NPOF	NON-PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
I	ICE FIELD	OW	OPEN WATER
ICE	ICEFIELD	R	ROCKFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	SNOW	

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON-PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	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.

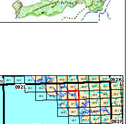
A	Animal Damage	L	Logging
B	Wildfire	M	Mist Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of the new 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 -

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



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