Vegetation Map
082L080

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - WIMS1: 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 in ay not be complete and up to date Cadastral, administrative boundaries and the Ownership colour the me are for reference purposes only. (Legend Iterations June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM Base Features:
- 4x4 Trail Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Rail Yard Lines
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 (> 1:500,000 hac - 15 % hatch)
- Municipal boundary (< 1:500,000 hac - no hatch)
- National Parks
- Fmn 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 (Douglk Fir) and Hw (Western Hemlock),
4 Age, Height, Crown Closure Class Code - separator S:ite 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 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History
ex: Logged in 1978

Line 1 - History Record Opening Number:

0123 - opening number valid for BCGS mapsheet
0023# - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer:

YEMS 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 v 6 (tabled 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)
H	HEMLOCK
Hm	Mountain Hemlock
Hmh	Mountain Hemlock hybrid
Hw	Western Hemlock
Hxh	Western x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sabina Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plg	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (latifolia)
Pm	Black Pine (Island)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	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	APPLE
Up	Pacific Crab Apple
A	ASPEN / COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
At	Trembling Aspen
Atc	Black Cottonwood
At	Trembling Aspen
Ax	Aspen hybrid
Ep	Paper Birch (alaskana)
Epp	Paper Birch hybrid
Ep	Paper Birch (white)
Ew	White Birch
E	BIRCH
Ea	Alaska Paper Birch
Epp	Paper Birch hybrid
Ep	Paper Birch (white)
Ew	White Birch
Ey	Yellow Birch
K	DOGWOOD
V	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown Cherry
Qg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (macrophyll)
Mv	Vine Maple
O	OAK
Or	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wx	Feltleaf Willow (Barclay's)
Wy	Pussy Willow (grey leaved)
Wr	Red Willow
Wl	Sitka Willow (lace leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown conifer
Xd	unknown deciduous
Z	OTHER (less common tch)
Zu	other conifer
Zh	other hardwood

EXOTICS

U	APPLE
Ue	Exotic
A	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ae	*Aspen
Ea	*European Birch
Es	Silver Birch (swamp)
Ev	*Common Birch
E	CHERRY
Ys	Sweet Cherry
Yu	*Cherry
Yp	*Red Orfood Cedar
F	FIR (Balsam)
Fb	*Balsam Fir
Fbl	*Shasta Red Fir
Fbc	*White Fir
Fg	*Grand Fir
Lt	*Tamarack
Lt	*Siberian Larch
Le	*European Larch
Lw	Exotic
Lws	Silver
Mr	*Norway Maple
Mp	*Sycamore Maple
OA	OTHER
Oe	*English Oak
Oh	*Horse Oak
OTHER EXOTICS	
Ow	*Incense Cedar
Ob	*Monterey Cedar
Oc	*Coast Redwood
Of	European Mountain Ash
Ot	*Tree of Heaven
Of	Common Pear
Og	Dragon Ash
Oa	*Apricot
Oi	*Shrubpunk Hickory
Oj	Tree of Heaven
Ok	*Japanese Walnut
PINE	
Pm	*Monterey Pine
Pn	*Austrian
Ps	*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	141-250
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 referenced at 50 years
Breast Height Age. SI is based on the age and height of the
dominant and co-dominant trees. If the stand is uneven
age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g.
recent disturbance. The SI is estimated from a site series which
contains known SI in the data base and ecological inventory
Type Group and SI Estimated source codes.

Line 5 - Vegetation records

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

NON FRESD SHRUB
- sa SHRUB - shrub with average shrub height in cm < to two metres.
- al SHRUB LOW - shrub with average shrub height < two metres.

NON FRESD 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 FRESD MOSS
- bs BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, hamocots, and liverworts > 50% of the bryoid cover.
- bl BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- r ROCK / RUBBLE
- sn Snow / Ice

NON VEGETATED CATEGORIES (for V and I symbols)

ab	ASH BED	mu MUDFLAT SEDIMENT	re RESERVOIR MARGIN
be	BEACH	ru RUBBLE MINE SPOILS	ra RAILWAY SURFACE
bf	BOG FIELD	s SAND	rd ROAD SURFACE
c	CLAY	sl LANDING	rs ROAD SURFACE
bu	BURNED AREA	sl POND w LAKE SEDIMENTS	sk TALUS
ds	DUNE SAND	sp SALT PANS	t TAILINGS
es	EXPOSED SOILS	sw SWAMP	v VOLCANIC
gl	GLACIER		w RIVER / STREAM

Note: these categories (a, es, w, r) not tabled over 90 percent coverage.

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

A	ALPINE	NP NON PRODUCTIVE	SAND SAND
C	CULTIVATED FOREST Species	NPBR NON PRODUCTIVE BRUSH	SILT SILT
C	CULTIVATED	NPBS NON PRODUCTIVE BURN	URBAN URBAN
CL	CLAY BANK	NPF NON PRODUCTIVE FOREST (Species	
G	GRAVEL PIT	NPL NON PRODUCTIVE	NC NON COMMERCIAL
GR	GRASSLAND	OIL OIL FIELD	NCBR NON COMMERCIAL BRUSH
ICE	ICEFIELD	P HAYFIELD	NP NON PRODUCTIVE
M	MEADOW	R ROCK	NPR NON PRODUCTIVE RESTOCKED
MUD	MUDFLAT	S SWAMP	WTA 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.

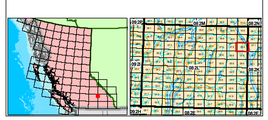
A	Animal Damage	L Logging	R Site Rehabilitation
B	Wildfire	M Mine Damage	T Treatment Injuries
C	Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D	Disease	P Cone and Seeding Fungal Pathogens	V Problem Vegetation
I	Insects		

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



Overflow Labels

082L080