Vegetation Map
093J003

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 - VRMS / Ownership
Base Map Source: TRIM / Terrabit

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to display variables associated with the Vegetation Resource Inventory. Information contained on this hardcopy map 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 (2010)
- Research Installations

TRIM, Base Features:
- 4x4/All Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Ferry Routes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofine/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FAZM
- INV Region Compartment - FAZM
- Provincial Forest area - FAZM
- Timber Supply Area-Block - FAZM
- Tree Farm Licenses - FAZM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrabit
- Municipal boundary (1:1,000,000 to ~5 % hatch)
- Municipal boundary (1:1,000,000 to ~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 Polygon Number and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
4 Age, Height, Crown Closure (if layer is described as Fd (Douglas Fir) and Hw (Western Hemlock):
a Age, Height, Crown Closure Class Code - separator - Site Index / estimated SI
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (5-15%), SI 20m
5 Vegetated Cover Codes (or Non-Forest/Productive Description)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - logged in 1978

Line 1 - History Record Opening 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 (a separate description of each layer is available in the data base, i.e. 1,2).

Line 3 - BC Tree Code List

Species Compositions and Percentages 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	Yellow Cedar
Cy	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bl	Subalpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
Hwm	Mountain x Western Hemlock hybrid
P	PINE
Pa	Whitebark, Alberta
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (eastern)
Pw	Shore Pine (coastal)
Pw	Western White Pine
Pyc	Ponderosa Pine
S	SPRUCE
Se	Engelmann Spruce
Sw	Engelmann Spruce
Sx	White Spruce
Sx	Spruce hybrid
Sb	Black Spruce, Alaska
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka
Yc	Western Yew

NATIVE HARDWOODS

A	ALDER
D	Red Alder
Dr	Red Alder
Ac	Pacific Coast Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ap	Balsam Poplar
Ax	Aspen x Balsam hybrid
Ax	Hybrid Poplars
Ep	Black Cottonwood
E	BIRCH
Ea	Alaska Paper Birch
Ekl	Alaska x Paper Birch hybrid
Ew	Paper Birch (White)
Ep	Water Birch
Kc	Cascara
Kc	Cascara
Vs	Bitter Cherry
Vv	Choke Cherry
Vm	Pin Cherry
D	DOGWOOD
Dr	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
O	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bonita's)
Ww	Rosey Willow (grey-harvest)
Wy	Scouler Willow
Wx	Sitka Willow (tea-kessel)

UNKNOWN - OTHER

X	unknown
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

AY	MAPLE
AZ	ASPEN, COTTONWOOD or POPLAR
Ay	Norway Maple
Ap	Purpleleaf Cottonwood
BRO	
Bp	European Birch
Bpg	Gray Birch (swamp)
Bp	European White Birch
CHERRY	
Cmy	Mayday
CYPRESS	
Ly	Port Orford Cedar
Lw	LARCH
L	Subalpine Fir
Bl	Noble Fir
Bn	Nikko Balsam Fir
Bp	Veitchs Fir
Bv	Fir
Lt	Tamarack Larch
Lt	Tamarack Larch
MAPLE	
Mb	Box Elder
Mn	Norway Maple
Ms	Sycamore Maple
OAK	
Or	English Oak
Ow	White Oak
PINE EXOTICS	
Ds	Scots Pine
Dp	Ponderosa Pine
Dm	Mugo Pine
Dn	Austrian Pine
Dl	European Mountain Ash
Dp	Japanese Mountain Ash
Dp	Common Pear
Dg	Oregon Ash
Dg	Green Ash
Dp	Hungarian Hickory
Dp	Shagbark Hickory
Dp	Japanese Walnut
Dp	Elm
Dp	Mandarey Pine
Ps	Red Pine
Pp	Pitch Pine
Pn	Hornbey Spruce

Line 4

4a. AGE CLASS

CODE	AGE (in 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	HEIGHT (in metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 28.4
4	28.5 - 37.4
5	37.5 - 44.4
6	44.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	CROWN CLOSURE (% canopy)
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 in the nearest metre referenced at 50 years breast height age. Where a SI is not available, a code is used to identify why. Where a site index can be obtained from sampling or estimated from ecosystem information, it replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees were present, e.g. Immature stands, or stands with trees that are not dominant. The alphabetic 2 character code 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 record=)

HS	SHRUB HIGH — shrub with average shrub height >= 4 to less metres.
SL	SHRUB LOW — shrub with average shrub height < two metres.

NON-TREED HERB

HE	HERB - FORBS — herb with no distinction between forbs and graminoids.
HG	HERB - GRAMINOIDS — herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID

BM	BRYOID - MOSS — bryoid with no distinction between mosses and lichens by cover.
BL	BRYOID - LICHEN — bryoid with mosses, lichens, and liverworts > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I record=)

ai	AIRPORT	gr	GRAVEL	mu	MUDFLAT SEGMENT
bi	BEACH	la	LAKE	mz	MUSKEG MINE SPOILS
bl	BOULDERS	lk	LAKE RES	ne	NEVE
br	BEDROCK	ld	LANDING	ol	OILFIELD
ru	RUPRES AREA	le	POND or LAKE SEGMENTS	or	RESERVOIR
sc	SCARP	ri	RIVER	ro	ROADWAY
so	SURFICIAL SOILS	st	STREAM	sn	SNOW
tz	TAILINGS				

NON-FOREST / NON-PRODUCTIVE DESCRIPTION CODES (for V record=)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
BE	BOG (Ecological)	NPBS	NON PRODUCTIVE BSH
CL	CLAY BANKS	NPT	NON PRODUCTIVE FOREST (Species
CP	CLIFF/CAPS	NV	NON VEGETATION AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
MI	MINE SITE	OT	OPEN TREED
R	MUSKEG	P	PASTURE
MUD	MUDFLAT	SWAMP	

RANG	RANGELAND
TIDE	TIDAL FLAT
U	URBAN
VRI	VRI NON-COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NCT	NON COMMERCIAL
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NO TYPING AVAILABLE

NON VEGETATED

ea	EXPOSED LAND
ro	Rock / Rubble
sn	Snow / Ice

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.

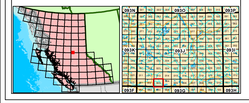
A	Animal Damage	L	Logging
C	Cultural	N	Mile Damage
E	Core and Seed Insects	N	Non-Biologcal Injuries
D	Diseases	T	Core and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
S	Silviculture Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The Mapview example is of thematic 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 Data" to turn on display values for :

OPENING ID
OPENING LABEL
SILVICULTURE SURVEY ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels