082G057

Vegetation Map
082G057

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 / Terrain

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 revised is June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railroads
- 4x4 Fairies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric/dams - 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 - Terrtiaris
- Municipal boundary (> 1,000,208 ha - 15 % hatch)
- Municipal boundary (< 1,000,208 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 &.)
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
   ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20+m
5. Non-Vegetated, Non-Forest descriptor codes
   ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2 m.
6. Disturbance History & year: ex: Logged in 1978

Line 1 - History Record Opening Number

-opening number+unit for BCGS mapsheet — ZZ/#/ -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 Complex: 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

Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fc	Coastal Douglas Fir
Fm	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetfire Juniper
L	LARCH
Lt	Alpine Larch
La	Tamarack
Lw	Western larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Py	Ponderosa Pine (yellow)
Pa	Stone Pine (coast)
Pw	Western White Pine
Pyb	Whitebark Pine
S	SPRUCE
Se	Englemann Spruce
Sb	Englemann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxw	Engelmann x White
Sxs	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
Ep	BIRCH
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ew	Water Birch
Ey	Paper Birch (white)
K	DOGWOOD
Kc	Cascara
Kp	Pacific Dogwood
Vb	Bitter Cherry
Vc	Choke Cherry
Vs	Sweet Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Banksy's)
Wr	Scouler's Willow (Hooker)
Wsl	Scouler's Willow
Wr	Sitka Willow (low-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown conifer
Xd	unknown hardwood
Z	OTHER (less-curious list)
Zc	other conifer
Zd	other hardwood

EXOTICS

Ab	Abies
Ae	ASPEN, COTTONWOOD or POPLAR
Bet	Black Cottonwood
Bp	Balsam
Ep	European Birch
Ep	Alaska Paper Birch)
Ey	Yellow Birch
Ch	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yo	"Port Orford Cedar
L	LARCH
Lk	"Dahurian Larch
Ls	"Siberian Larch
M	MAPLE
Mr	Red Maple
Mp	"Norway Maple
Ms	"Sycamore Maple
O	OAK
Oh	"English Oak
Or	"White Oak
OTHER EXOTICS	
Ox	"Other Exotic
Ob	"Giant Sequoia
Ov	"Coast Redwood
Ow	"Monterey Cypress Ash
Ox	Eastern Elm (exotic)
Of	Common Pear
Oa	"Apple
Oh	"White Ash
O	"Shagbark Hickory
Ow	"Black Walnut
Oj	Japanese Walnut
PINE	
Pm	"Monterey Pine
Pr	"Red Pine
Ps	"Sugar Pine
Pw	"White Pine
Sr	"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	141-200
9	201 +

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 shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant trees. Site index curves are used to determine site index from age and height; estimated SI to shown after, or replace the SI.

4e. ESTIMATED SITE INDEX

SI is estimated (subtract 10 from almost-present, e.g. young stands (<30yrs). 'X' is denoted by a dash which always follows the estimated site index. Example: estimated inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES - (for V and I re-cords)

NON-TREED SHRUB
- st SHRUB TALL — shrub with average stock height > or = to two metres.
- sh SHRUB — shrub with average shock height < than metres.

NON-TREED 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 gominoids >50% of the herb cover.

NON-TREED BRYOID
- by BRYOIDS — bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS — bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS — bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- d Exposed Land
- rr Rock / Rubble
- s Snow / Ice

NON VEGETATED CATEGORIES (for V and I re-cords)

ta	TALUS	mp	MUDFLAT SEDIMENT
tw	TAILINGS	mo	RUNNELS/MINE SPOILS
w	WATER	m	OCEAN
wr	RIVER	s	SNOW
wl	POND or LAKE SEDIMENTS	pr	SNOW COVER
mi	OPEN PIT MINE	w	RESERVOIR
mo	MORAINE	wr	RIVER or STREAM

Note: these categories (ie. co, rk, s) not labelled over 5% present coverage.

mr	RESERVOIR MARGIN		
mr	RAILWAY SURFACE		
r	RIVER SEDIMENTS		
ta	TAILINGS		
t	TALUS		
t	TAILINGS		
w	WATER		

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I re-cords)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
C	CLIFF	NPF	NON PRODUCTIVE FOREST
CL	CLAY BANK	NPFS	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
I	ICE (GLACIER)	R	ROCK OUTCROP
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP
		SAND	SAND
		TIDU	TIDAL FLAT
		U	URBAN
		NC	NON COMMERCIAL
		NPBR	NON PRODUCTIVE 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	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases: Trees	P	Cone and Seedling Fungal Pathogens
	Shrubs		
	Other		
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 mixed 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
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





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