Vegetation Map
082N094

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 support the analytical functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information contained on this map is derived from the BC Geographic Warehouse. Administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revised to June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Factors:
- Forest Vegetation Polygons
- Denuded Opening in Vegetation
- Permanent Sample Plot (2013)
- Research Installations

TRIM - Base Features:
- 4x4 Trail Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Lake/Reservoirs - ESM
- Watercourses - ESM
- Waterfalls - 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 - Tantalis
- Municipal boundary (1:1,000,000 ha) - (10 % hatch)
- Municipal boundary (1:1,000,000 ha) - no hatch)
- National Parks
- Park 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 (Douglas Fir) and Hw (Western Hemlock)
4 Age, Height, Crown Closure Class Code - separator, Site Index / estimated SI
ex: 6 - 141-250 yrs old, 31-40 m tall, 61-70% crown closure, SI 20m - (medium site class 5 (8-13%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m
6 Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number

0101 - opening number valid for BCGS mapsheet. 2030 - 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 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

CODE	NAME
Cw	Western Red Cedar
Y	CYPRESS
Ep	EASTERN PINE
F	DOUGLAS FIR
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Coastal Douglas Fir
B	FIR (Balsam)
Bl	Subalpine Fir
Bg	Grand Fir
Bp	Pacific Fir (Lowland)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Ls	Western Larch
PINE	
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (Coastal)
Pli	Lodgepole Pine (Interior)
Plx	Lodgepole x Pine hybrid
Pp	Ponderosa Pine (Lowland)
Ppi	Ponderosa Pine (Interior)
Pw	Western White Pine
Pwb	Whitebark Pine
SPRUCE	
Sb	Black Spruce
Se	Engelmann Spruce
Sk	Sitka Spruce
Sx	White Spruce
Sxl	Hybrid Spruce
Sw	Engelmann x White
Sxl	Sitka x White
Sxw	Sitka x Engelmann hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

CODE	NAME
D	DOGWOOD
E	ELM
Ed	Dutch Elm (Alien)
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ae	Aspen (Unknown)
Ah	Hybrid Poplars
At	Trembling Aspen
ALDER	
Al	Red Alder
B	BIRCH
Bp	Alaska Paper Birch
Bpx	Alaska x Paper Birch hybrid
Bp	Paper Birch (white)
Bn	River Birch
C	CEDAR
Ac	Cascara
Ch	Chinkapin
Ds	Bitter Cherry
Dr	Choke Cherry
Ev	Red Elder
F	DOGWOOD
Gs	Pacific Dogwood (western flowering)
H	HAWTHORN
Hd	Black/Douglas Hawthorn
Ha	Hawthorn
K	CASCARA
Ko	Cascara
O	OAK, OAKS
Dr	Garry Oak
MAPLE	
Mb	Bigleaf Maple
Mv	Vine Maple
Mt	Maple (Unknown)
P	PEACH
Pd	Peach (Domestic)
Pe	Peach/wild plum (Bertram's)
Pf	Fuzzy Willow (gray leaved)
Pm	Pin Cherry (red)
Pr	Wild Plum (Alien species)
UNKNOWN - OTHER	
Ax	UNKNOWN
Ag	Unknown conifer
Ah	Unknown hardwood
Ot	OTHER (Species not list)
Ps	Prickly Rose
Ot	other hardwood

EXOTICS

CODE	NAME
AS	ASPEN
A	ASPEN, COTTONWOOD or POPLAR
Ab	Western Balsamwood
BIRCH	
Ew	European Birch
Ep	Paper Birch (Alien)
Fp	Yellow Birch
CHERRY	
Ma	Mazzard Cherry
CYPRESS	
Lk	Lawson's Cedar
FIR (Balsam)	
Bn	Nobel Fir
Bb	Noble Fir
Bm	*Shasta Red Fir
Bv	*Vancouver Fir
LARCH	
Ld	*Daharian Larch
Lk	*Japanese Larch
MAPLE	
Mk	Blue Elder
Mp	*Norway Maple
Mr	*Sycamore Maple
OAK	
Qr	*English Oak
Qs	*Sessile Oak
OTHER CONIFERS	
Cn	*Norway Spruce
Ds	*Giant Sequoia
Dc	*Cedar species
Dl	European Mountain Ash
Ds	*Scots Pine (Alien)
Dc	Common Pine
Dl	Oregon Ash
Dp	*Pine species
Dl	*Douglas-fir hybrids
Dl	Tree of Heaven
Dl	*Japanese Walnut
PINE	
Pn	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
SPRUCE	
Sn	*Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	0 - 20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-140
7	141-250
8	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0 - 10.5
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)
1	0 - 5
2	6 - 10
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 is based on the nearest metre referenced at 50 years Breast height age. SI is based on the age and height of the dominant species. SI may be site curve based, ecologically based, age and height, estimated SI or empirical, etc. or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI does exist at present, e.g. young stands (<30yrs). It is denoted by a dash which always follows the species. Estimated SI may be based on Biogeoclimatic Type Group and SI. Estimated source codes.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and Lyer cover)

NON-FORESTED SHRUB
- sc SHRUB TALL - shrub with average shrub height >= 1 & less than 4metres.
- st SHRUB LOW - shrub with average shrub height < two metres.

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

NON-FORESTED
- N - Exposed Land
- R - Rock / Rubble
- S - Snow / Ice

NON VEGETATED CATEGORIES (for V and Lyer cover)

ai	AIRPORT	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ba	BARREN	ha	HAYFIELD	ms	MUSKEG SPHAGNUM BOGS
bl	BUILDFIELD	la	LANDFILL	oc	OCEAN
cl	CLEARCUT	lk	LAKE	rb	RIVER BEDDENTS
ic	ICEFIELD	lk	NONFOREST LAKE SEDIMENTS	sc	SNOW COVER
ic	ICE - GLACIER	op	OPEN PIT MINE	ta	TALUS
ic	ICEFIELD - SEASONAL	pl	PLAYA	ri	RIVER - ICEFIELD
gl	GLACIERS			ri	RIVER - ICEFIELD

Note: Water categories (la, ic, ri) not labelled over 80 percent coverage.

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for Y records)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
CF	NON FOREST - Species	NPBS	NON PRODUCTIVE BRUSH	SLT	SILT / CLAY
C	CLEARCUT	NPBG	NON PRODUCTIVE GRASS	G	GRASS
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Species		
GL	GLACIER	NPL	NON PRODUCTIVE LANDS	NC	NON COMMERCIAL
GR	GRAVEL PIT	OA	OPEN AMMO	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
MUD	MUDFLAT	R	ROCK	RES	RESERVED - NOT RESTOCKED
MUS	MUSKEG	S	SWAMP	NYA	NOT YET AVAILABLE

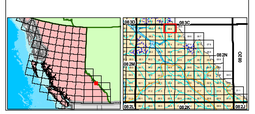
Line 6 - Disturbance History

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	E	Site Preparation
B	Wildfire	M	Mine Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases - Insects	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation

Example Opening History Details

Detailed Silvicultural information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of Inserted RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPS is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map". Be sure we display values for:

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