Vegetation Map
082L024

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 - VRIMS(S) 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 facilitate the legal description of Crown land in BC. The Province of British Columbia does not warrant that the information portrayed in any map is complete and up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Lands Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM_Base Features:
- All-Built 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
- Hydrkdyn Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV 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:

CE 1 CEPa 1 PLI 1 Fd 60 Hw 40

LINE DESCRIPTION
1 Silviculture 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: 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: a herb 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

CC - opening number valid for BCCOS mapsheet DOR - 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

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
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetie Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sep	Engelmann x White
Ss	Sitka Spruce
Sw	White Spruce
Sxl	White x Lutz hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DOGWOOD
U	Red Alder
U	APPLE
Ep	ASPEN, Gale Apple
Ac	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Act	Black Cottonwood
At	Trembling Aspen
Vn	Trembling Aspen
A	ARBUTUS
Ar	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Paper Birch (alpine hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ky	Cascara
V	CHERRY
Vm	Choke Cherry
Vo	Choke Cherry
Vp	Pin Cherry
Vs	Sweet Cherry
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bentzley's)
Wb	Scouler's Willow (Barrett-Hamilton)
Wb	Scouler's Willow
Wr	Sitka Willow (sea-kelp)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
Uk	Apple
Ast	ASPEN, COTTONWOOD or POPLAR
Ast	Balsam Gilolensel
Ep	European Birch
Ey	Silver Birch (exotic)
Ey	Yellow Birch
Ls	Larch
Vs	Sweet Cherry
Y	CYPRESS
Yo	Monterey Cedar
F	FIR (Balsam)
Bk	*Balkan Fir
Bn	*Nordmann Fir
Bp	*Shasta Red Fir
Bs	*White Fir
L	LARCH
Ld	*Dahurian Larch
Ls	*Siberian Larch
P	PINE
Pa	*Austrian Pine
Pm	*Monterey Pine
Pp	*Shasta Red Fir
Py	*Ponderosa Pine
S	SPRUCE
Se	*Engelmann Spruce
Sn	*Norway Spruce
Oa	*English Oak
Oa	*White Oak
Ou	*Garry Oak
Ou	*Coast Redwood
Ow	*Oregon Ash
Ow	Edward Ash (southern)
Or	Common Pear
Or	*Pear
Ot	*Shagbark Hickory
Ot	Tree-of-Heaven
Un	*Siberian Elm
PINE	
Pm	*Monterey Pine
Pp	*Shasta Red Fir
Py	*Ponderosa Pine
SPRUCE	
Sn	*Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-80
4	81-80
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 shown to the nearest metre referenced at 50 years.
Site Index is the height of the dominant trees at 50 years breast height (1.3m) from the ground. Where an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. Non-Forested (NF) polygons, or the trees are too young to be accurately measured. Associated fields 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 records)

NON-TREED SHRUB
- S SHRUB TALL - shrub with average shrub height > or = to two metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- M HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED SHRUB
- bs SHRUB - shrubs with no distinction between mosses and lichens by cover.
- bm SHRUB - MOSS - shrubs with mosses, liverworts, and hornworts > 50% of the shrub/ground cover.
- bl SHRUB - LICHENS - shrubs with lichens > 50% of the shrub/ground cover.

NON VEGETATED
- r ROCK / Gravel
- Rock / Ripples
- w Snow / Ice

NON-VEGETATED CATEGORIES (for I and (opposite) records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUD/FLAT SEDIMENT
b	BEACH	h	HARBOUR	mw	MUD/FLAT WINE SPOILS
bl	BLOCKFIELD	L	LANDFILL	o	OCEAN
br	BEDROCK	la	LANDING	ol	O OTHER
bu	BUILT UP AREA	s	POND or LAKE SEDIMENTS	or	ORGANIC COVER
c	CLIFF/BANK	tp	TOPS PIT	s	SEDIMENTS
es	EXPOSED SOILS	wc	WORKING	w	WATER / STREAM
g	GLACIER				

Note: Water categories (a, as, w, r) normalized over 50 percent coverage.

rm	RESERVOIR MARSH
rs	RESERVOIR SEDIMENTS
rw	RIVER SEDIMENTS
rr	ROAD SURFACE
t	TAILINGS
u	URBAN

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AT	ALPINE TUNDRA (Species	NPBR	NON-PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BE	BEACH	NPBS	NON-PRODUCTIVE BRUSH	U	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NOT TYPING AVAILABLE	NC	NON COMMERCIAL
I	ICEFIELD	R	ROCK	NCBR	NON COMMERCIAL BRUSH
IC	ICEFIELD	RT	RIVER BLUFF	NP	NON-PRODUCTIVE
M	MEADOW	R	ROCK	NER	NOT SUFFICIENTLY RESTOCKED
MW	MEADOW WETLAND	S	SAND	NTA	NOT 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	P	Cone and Seeding Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
S	Silvicultural Treatment		
U	Damage Unknown		
V	Problem Vegetation		

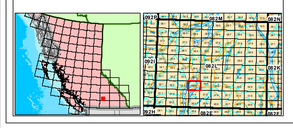
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of 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 ID
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

082L024