Vegetation Map
092G064

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 / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to display the Vegetation Resource Inventory (VRI) data, and Natural Resource Districts. 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 revisions June 2014).

Labels Projected for: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (1ha)
- Research Installations

TRIM, Base Features:
- 4x Build Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfl ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Huntfish/Ranges - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- FLNRO Region boundary
- Resource District boundary - FADM
- Bec Region-Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrains
- 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:

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
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 Non-Forest Descriptor - separator - Wetland Complex
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

nnnn - opening number valid for BCGS mapsheet zzzz - 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

C	CEDAR
Cw	Western Red Cedar
Y	Yellow-cedar
H	Hemlock Unspec.
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Coastal Douglas Fir
B	FIR (Balsam)
Bl	Subalpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plj	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine (Alpine)
Ps	Shore Pine (coastal)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxl	Spruce Hybrid
Sxw	Interior Spruce
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka
Yc	Western Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
Ra	Red Alder
Ac	Pacific Cots Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
At	Poplar
Ax	Hybrid Poplars
Act	Black Cottonwood
Ax	ARBUTUS
Ax	Arbutus
Ep	Paper Birch
Ea	Alaska Paper Birch hybrid
Ew	Water Birch (white)
Ey	Water Birch
Ep	Paper Birch
Ac	Cascara
Ax	Arbutus
Ch	Bitter Cherry
Ch	Choke Cherry
Hx	Hardwood
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
Dr	Red Osier
Mv	Mtn Maple (broadleaf)
Mb	Broadleaf Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bonsley's)
Ww	Pussy Willow (gray-leaved)
Wy	Pussy Willow
Wx	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xh	unknown hardwood
Xx	unknown (not conif or hd)
Z	other conifer
Zh	other hardwood

EXOTICS

EPCE	
Lla	ASPEN, COTTONWOOD or POPLAR
Act	Southern Cottonwood
MBOH	
Ep	European Birch
Epu	Silver Birch (swamp)
Ew	Water Birch
CHERRY	
Cmi	Mazzard Cherry
CYPRESS	
Ycl	Yrun Orford Cedar
Cy	Cypress
Ly	Nootka Fir
Bp	Nootka Fir
Fd	Douglas Fir
Yc	Yellow Fir
Ylc	Nootka Fir
Lt	Tamarack Larch
Lw	Western Larch
MAPLE	
Mx	Box Elder
Mr	Red Maple
Mv	Mountain Maple
OAK	
Qg	Garry Oak
Qw	White Oak
Qr	Northern Red Oak
Qe	Pedunculate Oak
Qp	Pin Oak
Qb	Chestnut Oak
Qa	European Mountain Ash
Sa	Japanese Mountain Ash
Cp	Common Pear
Og	Oregon Ash
Ag	Green Ash
Ox	Weeping Willow
Cl	Tree-of-Heaven
Ch	Black Locust
PINE	
Pn	Austrian Pine
Pn	Red Pine
Pa	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

Site Index is the nearest metre referenced at 50 years breast height age. Site is based on the age and height of the dominant or co-dominant trees. Site Index is estimated from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. young stands. Site Index is estimated from the site series table provided in the Variant Ecology Handbook or the data base inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5n/ Yr and I record/h)

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

NON-TREED HERB
- h HERB - herb with no distinction between forbs and graminoids.
- hf FORB - herb with forbs > 50% of the herb cover.
- hg GRAMINOID - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bp BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- rr Exposed Land
- w Water / Lake
- s Snow / Ice

NON-VEGETATED CATEGORIES (5n/ Y and I record/h)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUSKEG/ MUSKEG SEGMENT
bl	BEACH	l	LAKE	mv	MUSKEG/ MARSH SEGMENTS
bu	BUILDUP/LD	ls	LAKE BED	ro	OCEAN
br	BEDROCK	la	LANDING	rr	OTHER
cp	CAMP/AREA	ls	LANDING SEGMENTS	rs	RIVER/ SHORE COVER
cu	CUTBANK	o	OPEN PIT MINE	s	RESERVOIR
ea	EXPOSED SOIL/	sw	SCRUBBE	r	RIVER / STREAM
g	GLACIER				

Note: Water categories 1 to 4 do not exceed 50 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
BR	BRUSH/ FOREST (Species)	NPBR	NON PRODUCTIVE BRUSH
CL	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
CR	CROP/ FORAGE	OR	OPEN ROCK/ TALUS
GR	GRAVEL PIT	OW	OPEN WALL
ICE	ICEFIELD	P	WETFIELD
MU	MUD FLAT	R	ROCK
MUD	MUD FLAT	S	SWAMP
SAND	SAND		
SF	SILT FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPBRSTOCKED	NON PRODUCTIVE BRUSH/STOCKED		
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	Mite Damage
C	Cutting and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	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 ISIT or ArcMap . The MapView example is:

`OPENING 1234 S`

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
- OPENING - TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



