082K064

Vegetation Map
082K064

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 ecological 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 revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfield/as
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Mark Lines
- Water Lines
- Hydrodkarlines - 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 - Tantalis
- Municipal boundary (if > 1,000,000 ha - 15 % hatch)
- Municipal boundary (if < 1,000,000 ha) - no hatch)
- National Parks
- Fire 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 (Douglis 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)
6. Non-Vegetated Cover Type - separator. Shrubs and graminoids, shrubs less that 2m.
7. Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

0001 - opening number valid for BCGS mapsheet

0009 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
L - Multi-storied 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 "Trix B.C. Ministry of Forests Tree Code List" version 4.3 dated January 2009.

NATIVE CONIFERS

E	CEDAR
Cw	Western Red Cedar
Yc	CYPRESS
Yp	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mt. Juniper
Js	Scopulus Juniper
L	LARCH
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plq	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (banksiana)
Pjc	Shore Pine (contorta)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	White Spruce
Sw	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
Sa	Sitka Alder
Ac	ARBUTUS
At	ASPEN, COTTONWOOD or POPLAR
Ae	Aspen
Act	Black Cottonwood
Act	Black Cottonwood
Ap	Trembling Aspen
Ar	ARBUTUS
Ep	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ac	Cascara
V	Ovid MRV
Vb	Black Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown Cherry
Dg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
O	Oak
Or	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bonpl.w)
Wtl	Piersy Willow (grey leaved)
Wr	Red Willow
Wil	Sitka Willow (lace-leaved)

UNKNOWN - OTHER

D	UNKNOWN
Dc	unknown conifer
At	unknown hardwood
Xh	other hardwood (w/ tall)
Xc	other conifer
Zx	other hardwood

EXOTICS

Ls	APPLE
Lsx	Apple
At	ASPEN, COTTONWOOD or POPLAR
Ag	Norway Cottonwood
Bp	BIRCH
Ep	European Birch
Epu	European Birch (Swamp)
Ey	Yellow Birch
Cp	CHERRY
Yp	Japanese Cherry
Yp	CYPRESS
Yp	Japanese Cedar
Fff	FIR (Subalpine)
Bb	"Balsam Fir
Bn	"Noble Fir
Bc	"Grand Fir
Bc	"White Fir
Bl	"Alpine
Lt	"Tamarack Larch
Ld	"Siberian Larch
Lx	"Hybrid
Dw	"Dogtail, Oak
Dr	"Red Oak
OTHER EXOTICS	
Dw	"Incense Cedar
Dr	"Port Orford
Dr	"Coast Redwood
Dr	European Mountain Ash
Dr	Common Hackberry
Dr	Common Pear
Dg	Dragon Ash
Dr	Black Ash
Dr	"Shagbark Hickory
Dl	Tree of Heaven
Dr	Japanese Walnut
PINE	
Pm	"Montana Pine
Pn	"Red Pine
Pp	"Royal 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	101-120
7	121-140
8	141-250
9	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 4.5
2	10.5 - 13.4
3	19.5 - 22.4
4	28.5 - 31.4
5	37.5 - 40.4
6	46.5 - 49.4
7	55.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	6 - 10
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 in the nearest whole referenced at 50 years.
Site Index Source: VDYP = Site Index estimated by VDYP growth & yield modeling system. Where an accurate SI is required for detailed forest management, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. recently logged, or non-forest. SI is from the most numerous previous SI. Alpine Site SI is the site trees are not present.
Type Group and SI estimated source code

Line 5 - Vegetation records (L)

VEGETATED NON-TREE CATEGORIES - (5v1 and 5v2 records)

NON-TREED SHRUB

s	SHRUB - 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	HERB - FORBS - herb with forbs > 50% of the herb cover
hg	HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID

bc	BRYOID - bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
bl	BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED TID

n	NON VEGETATED
r	Rock / Rubble
w	Snow / Ice

NON VEGETATED CATEGORIES - (5v1 and 5v2 records)

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bf	BURNED FIELD	ld	LANDFILL	o	OTHER
br	BEDROCK	ll	LANDING	pf	SNOW COVER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	pi	ICE FIELD
cl	CLEARCUT	rd	ROAD, TRAIL	r	RIVER / STREAM
es	EXPOSED SOILS	ve	VOLCANIC		
gl	GLACIER				

Note: Water categories (la, ss, w, r) not labelled over 80 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5v2 records)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST Xpenes	NPBR	NON PRODUCTIVE BRUSH	SF	SNOW, FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	V	VERNAL
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Xpenes		
G	GRASSLAND	OC	OPEN CONIFEROUS	NC	NON COMMERCIAL
GM	GRAVEL PIT	OH	OPEN FOREST	NCBR	NON COMMERCIAL BRUSH
KW	KOKANEE	P	HAYFIELD	NP	NON PRODUCTIVE
MS	MARSH	R	ROCK	NPBR	NON PRODUCTIVE BRUSH
MU	MUDFLAT	S	SWAMP	NTA	NOT TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceeded by symbol, followed by earliest date
First character of date except type designate category refer to official code list for sub-category descriptions.

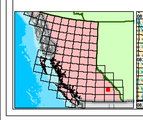
A	Animal Damage	L	Logging
B	Birds	N	Non-Forest Cover
C	Cone and Seed Insects	P	Core and Seedling Fungal Pathogens
D	Diseases		
I	Insects		
		R	Site Rehabilitation
		S	Silvicultural Treatment
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW
Warehouse as a spatial layer. The Mainline example is
of Harvest RESULTS activity.

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
STANDARDS UNIT BOUNDARY UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



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