Vegetation Map
093K014

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 - 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 revisions June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening or Vegetation
- Permanent Sample Plot - (2015)
- Research Installations

TRIM. Base Features:
- Ae.Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Aid Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrk/Ae/Barriers - 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 (1:1,000,000 for 1:10 % hatch)
- Municipal boundary (1:1,000,000 for1 : Ao 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 / Multi-layer / multi-layer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fd (Douglas Fir) and He (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 Site Index Source - separator Inventory Type Group
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number
opening number valid for BCGS mapsheet — 000# - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer
VRIMS Polygon Number - ranging from one to nine digits
A, 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 codes will be labeled in their order of predominance. Major first Minor in brackets.
The following codes are based on Version 4.5 of The B.C. Ministry of Forests Tree Code List - version 4.5 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdp	Pseudotsuga
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bm	HEMLOCK
H	Hemlock Species
Hw	Western Hemlock
Hxm	Western x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jsc	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plcx	Lodgepole x Jack Pine hybrid
Plx	Lodgepole x Jack Pine hybrid
Pli	Shore Pine (coast)
Pm	Mountain Pine Hybrid
Pw	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sx	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxw	White x Lutz
Sxl	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
At	Red Alder
Ay	Sitka Alder
Ax	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ae	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
Ah	Hybrid Aspen
B	BIRCH/YEW
Bp	Paper Birch
Bpk	Paper Birch x Kenai hybrid
Bpl	Paper Birch (white)
Bg	Gray Birch
K	CASCARA
D	DOGWOOD
E	EBONY
W	Bitter Cherry
Wd	Pin Cherry
Wf	Fire Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wpe	Peach Willow
Wa	Peachleaf Willow (Bentley's)
Wr	Scouler's Willow (Mackenzie)
Ws	Scouler's Willow
Wx	Sitka Willow (low-branch)
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	UCARE (tree not on file)
Zz	other conifer
Zx	other hardwood

EXOTICS

UPG	Alpaca
Ux	POPLAR, COTTONWOOD or POPLAR
Act	Northern Cottonwood
	BIRCH
Ek	European Birch
Ekx	Birch (Asiatic)
Ky	Yellow Birch
	CYPRESS
Y	Sawara Cypress
	CYPRESS
Yo	Japanese Cedar
	Fir (Abies)
Bb	Nobel Fir
Bn	Noble Fir
Bm	Shasta Red Fir
Bv	Veitch Fir
	LARCH
Lj	European Larch
Lk	Siberian Larch
	MAPLE
Me	Norway Maple
Mr	Norway Maple
Ms	Sycamore Maple
	OAK
Qe	English Oak
Qw	White Oak
	PINE/SPRUCE
Ce	Incense Cedar
Gr	Giant Sequoia
Ob	Monterey Cypress
Ot	European Mountain Ash
Ow	European Mountain Ash
Of	Common Pear
Oa	Apple Species
Ch	White Ash
Ct	Shagbark Hickory
Cs	Black Walnut
Cj	Japanese Walnut
	PINE
Pbr	Monterey Pine
Pn	Red Pine
Ps	Stone Pine
Pp	Ponderosa Pine
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
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
Will be shown to the nearest metre referenced at 50 years breast height age. Where site index is estimated, the site index source - #Inv# - will be used. Site index will not be obtained from existing opening - #Inv# - records but will be updated from new information.

4e: ESTIMATED SITE INDEX
Only estimated where existing SI has been proven e.g. SI is estimated > than existing SI or there is no SI for each vmri stand. Inventory 1 Association Name 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.
- sh SHRUB - shrub with average shrub height < two 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bm BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover.
- bf BRYOID - MOSS - bryoid with mosses, liverwork, and hornwork > 50% of the bryoid cover.
- b BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for N and I records)

ap	AIRPORT	gr	GRAVEL PIT
bl	BOULDERS	l	LAKE
bc	BOOKSHELVED	ls	LAKE SED
br	BEDROCK	la	LANDING
cr	CREVASSE/CREVICE	ms	MISCELLANEOUS SEGMENTS
ct	CUTBANK	mi	OPEN PIT MINE
dr	DRAINAGE SINGLE	mc	MORAINE
gl	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARSH
ri	RIVER SINGLE SPOOL	rs	RESERVOIR SHORE
rv	RIVER	rg	RIVER SEGMENTS
sf	STAKE	rd	ROAD SURFACE
sn	SNOW/ICE COVER	s	SLIDE
rr	RESERVOIR	tu	TALUS
w	WATER	u	UNKNOWN

Note: Water categories (la, ra, rv, rl) not labelled over 50 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST-Species	NPBR	NON PRODUCTIVE BRUSH
CU	CULTIVATED	NPBS	NON PRODUCTIVE SHRUB
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST-Species
D	DRY SITE	OR	OPEN RANGELANDS
GR	GRAVELSYT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	P	PASTURE
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
SF	SEEDLING PLANT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPBR	NON PRODUCTIVE - RESTOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

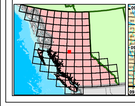
Disturbance type codes preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

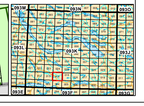
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application MapView can be used to view the detailed information. Select the SILVICULTURE filter then click on "Display Silviculture Map" to turn on display values for -
- OPENING
- OPENING LABELS
- ACTIVITY TREATMENT ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH





Overflow Labels