Vegetation Map
093K054

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 business functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information supplied may not be suitable for other purposes. 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
- Structure Opening in Vegetation
- Permanent Sample Plot (1970)
- Research Installations

TRIM. Base Features:
- 4x Build Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Rivers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- FLNRO Region boundary
- Resource District boundary - FADM
- MoF_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 (< 1:250,000 ha - 10 % hatch)
- Municipal boundary (> 1:250,000 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 (overstorey/main layer is described as Fd (Douglas Fir) and Hw (Western Hemlock):
- Age, Height, Crown Closure 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 (6-10%), SI 20m
5 Non-Forest Descriptor (non-productive descriptions):
- 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
- opening number valid for BCGS mapsheet
- 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	
C	CEDAR
Cw	Western Red Cedar
Cy	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
Hxm	Western Hemlock Hemlock hybrid
J	JUNIPER
Jr	Juniper - Juniper
Jrs	Juniper sorted
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine Hybrid
Pli	Lodgepole Pine (contort)
Pa	Whitebark Pine
Pw	Western White Pine
Pxj	Jack Pine Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxe	Spruce Hybrid
Sxw	Engelmann x White
Sxl	Spruce Hybrid
Sxs	Sitka x unknown hybrid
Y	YEW
Yp	Western Yew

NATIVE HARDWOODS

CODE	
D	ALDER
Dr	Red Alder
Da	Alder
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ape	Balsam Poplar
Ac	Black Cottonwood
Ax	hybrid Poplars
E	BIRCH, ALDER
Ep	ARBUTUS
Ra	Arbutus
Ea	BIRCH
Ew	Alaska Paper Birch
Ewr	Alaska x Paper Birch hybrid
Ey	Yellow Birch (white)
Ep	Water Birch
K	CASCARA
Kc	Cascara
G	CHERRY
Gc	Choke Cherry
Vs	Choke Cherry
Gp	Pin Cherry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bonita's)
Wt	Pussy Willow (gray leaved)
Wy	Scouler's Willow
Ws	Sitka Willow (tall-leaved)

UNKNOWN - OTHER

CODE	
X	unknown conifer
Xh	unknown hardwood
Xl	unknown (will not do lab)
Xs	other softwood
Zh	other hardwood

EXOTICS

CODE	
Ap	APPLE
Apk	Apple
Act	Hybrid COTTONWOOD or POPLAR
Ad	Southern Cottonwood
Eb	BIRCH
Ebp	European Birch
Ebr	Rural Birch (exams)
Ch	CHERRY
Chm	Mazzard Cherry
Cy	CYPRESS
Ycn	Yrch Orford Cedar
Lx	LARCH
Lk	Tolkien Fir
Lyk	Noble Fir
Lyl	Subalpine Red Fir
Lyw	Veitch Fir
Lx	LARCH
Lyl	Subalpine Larch
Lyw	Siberian Larch
M	MAPLE
Mr	Box Elder
Mn	Norway Maple
Mp	Sycamore Maple
OA	OAK
Oe	English Oak
Or	White Oak
X	OTHER EXOTICS
Ot	Tree of Heaven
Op	Giant Sequoia
Ow	Wellingtonia History
Ow	European Mountain Ash
Ow	Showy Mountain Ash
Pc	Common Pear
Og	Oregon Ash
Ot	Tree of Heaven
Oj	Wellingtonia History
Oj	Tree of Heaven
Ow	European Mountain Ash
Pw	Weeping Willow
Pxj	Hybrid
Pn	Ponderosa Pine
Pp	Pitch 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 - 5
1	6 - 10
2	11 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
10	86 - 100

4d SITE INDEX

Site Index is the estimated metre referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. When an accurate SI cannot be obtained from valid measurements, estimates are made from ecological information.

4e. ESTIMATED SITE INDEX

Site Index Estimate (SI) Code (if no stand present), e.g. young stands (<25yrs). It is denoted by a slash which allows more than one estimate. Site index estimates in the data base are inventory type Grouped and SI Estimated in the data base.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREES SHRUB

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

NON-TREES HERB

H	HERB - herb with no distinction between forbs and graminoids
F	HERB - FORBS - herb with forbs > 50% of the herb cover.
Hg	HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREES MIXED

Hs	SHRUB/HERB - mixed with no distinction between shrubs and forbs by cover.
Sm	SHRUB - WOOD - mixed with mosses, liverwrts, and hornwerts > 50% of the bryoid cover.
Hm	HERB - MOSS/LICHEN - mixed with > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

bl	BARE/LITHIC	L	LAKE	mg	MUSKEG SEGMENT
bm	BEACH	lk	LAKE KEY	mp	PEATLAND MINE SPOILS
bb	BEDROCK/TALUS	ls	LAKE SED	o	OTHER
br	BEDROCK	li	LANDING	pl	OTHER
bc	BEDROCK/AREA	ld	LANDING SED SEGMENTS	pc	PERMANENT SNOW/ICE
bg	GLITTER/MIN	o	OXBOW/LAKE	s	SALINAS
ee	EXPOSED SOILS	ow	WORKANE	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories (ie. rv, ra, rl) not labelled over 90 percent coverage.

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

AF	ALPINE FOREST	NPBR	NON PRODUCTIVE BRUSH
AT	ALPINE FOREST Tipurbs	NPBS	NON PRODUCTIVE BRUSH Sitka
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Rpecies
GL	GRASS LAND	NPT	NON PRODUCTIVE TREE
GB	GRASS_SVT	OC	OPEN CUT
ICE	ICEFIELD	P	HAYFIELD
MUD	MUDFLAT	R	ROCK
MUD	MUDFLAT	S	SWAMP
SAND	SAND		
TIDE	TIDAL FLAT		
W	WATER		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPBA	NON PRODUCTIVE BRUSH ALDER/CED		
NTA	NOT/TREE/AVAILABLE		

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
For a complete list of disturbance type categories, refer to official code list for sub-category descriptions.

A	Animal Damage	S	Site Perturbation
B	Wildfire	T	Treatment Injuries
C	Cone and Seed Insects	U	Damage Unknown
D	Diseases	V	Problem Vegetation
P	Cone and Seedling Fungal Pathogens		

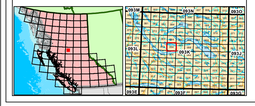
Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application "Results" is available for public access to this information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
STOCKING STANDARDS UNIT COVER
WILDLIFE TREE PATCH





RUBYROCK LAKE PARK

RANGE 5 COAST DISTRICT

68-87
Fort St. James Natural Resource District

Nadina Natural Resource District

HUTHERLAND RIVER PARK

89
34
66-13
66-16
66-11
66-14
66-12

Overflow Labels