103H099

Vegetation Map
103H099

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRM S1 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 the me 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 (CVTS)
- Research Installations

TRIM - Base Features:
- Multi Track Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Aux Fairlines
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrobarriers - ESBM
- Watercourses - ESBM
- Waterbodies - ESBM
- Wetlands - ESBM
- Cover - ESBM

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 (> 1,000,000 ha - 15 % hatch)
- Municipal boundary (< 1,000,000 ha) - no hatch)
- National Parks
- Fnn'hations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Mapsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

OP ES1 Fd50 Hw 30 Hw 20

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. 50 years old (class 4 40-49 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

OP - opening number valid for BCGS mapsheet 7029 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

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 4.0 dated January 2009.

NATIVE CONIFERS

C	CEDAR
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
x	HEMLOCK - Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Px	Lodgepole x Jack Pine hybrid
Py	Lodgepole x Ponderosa Pine hybrid
Pa	Whitebark Pine
Pf	Limber Pine
Pfa	Limber x Whitebark Pine
Pw	Western White Pine
Pxw	Western White Pine hybrid
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Hybrid Spruce
Sw	White Spruce
Sxl	Spruce hybrid
Sxw	Sitka x Interior Spruce hybrid
Sxx	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	BIRCH
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPULAR
Ac	Poplar
Act	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
K	ARBUTUS
Ra	Arbutus
G	ASH
Ea	Alaska Paper Birch
Eat	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ko	Cascara
V	CHERRY
Vu	Pin Cherry
Vo	Choke Cherry
Vp	Pin Cherry
Vx	Hybrid Cherry
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
W	OAK
Wg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bonnet's)
Ww	Pussy Willow (grey leaved)
Wy	Scouler's Willow
Wx	Other Willow (low leaved)

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
Ux	Apple
Ax	ASPEN, COTTONWOOD or POPULAR
Ae	Black Cottonwood Balsam
Ee	European Birch
Ep	Paper Birch (Alaska)
Ey	Yellow Birch
	CHERRY
Vs	Japanese Cherry
	CYPRESS
Yo	Port Orford Cedar
Yt	Western
Bn	Balsam Fir
Bp	Noble Fir
Bm	Shasta Red Fir
Bc	Grand Fir
	LARCH
Le	*Dahurian Larch
Lr	*Siberian Larch
	PINE
Pe	Scots Pine
Pp	*Ponderosa Pine
	Coulteri
	OTHER EXOTICS
Oe	*Chinese Cedar
Oh	*Western Hemlock
Oi	*Coast Redwood
Od	European Mountain Ash
Ob	*Giant Sequoia (redwood)
Of	Common Ash (American)
Og	Oregon Ash
Ow	*White Ash
Or	*Blackgum/ Hickory
Oj	*Black Walnut
Ok	Japanese Walnut
Pinus	
Pm	*Monterey Pine
Pn	*Red Pine
Ps	*Sugar Pine
Pt	*Scots
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

All SI are shown to the nearest metre referenced at 50 years.
Where SI is 0.1 - 9.9 m, the first digit is shown as a "0" in the labeling species. Where no soil site 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 aren't present, e.g. young stands, deciduous stands. The SI is estimated from local SI precedent & 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 (ice) only)

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

NON-TREED HERB
- H - HERB
- HF - HERB - FORBS - herb with less < 50% of the herb cover.
- HG - HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED SHRUB
- SB - SHRUB - shrub with no distinction between grasses and forbes by cover.
- BM - BRYOID - MOSS - shrub with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- BL - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- R - Rock / Rubble
- W - Snow / Ice

NON VEGETATED CATEGORIES (for I and I (ice) only)

ap	AIRPORT	gp	GRAVEL PIT	ms	MUDFLAT SEDIMENT
bl	BEACH	ic	ICE CAP	mv	MUDFLAT / MINE SPOILS
br	BEDROCK	il	LANDSLID	oc	OCEAN
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	of	OTHER
cb	CUTBANK	mk	OPEN PIT MINE	rc	ROCK COVER
dl	DELTAIC SOILS	mn	MORAINE	s	TAILINGS
gl	GLACIER			r	RIVER / STREAM

rm	RESERVOIR MARGIN		
sa	SALTWATER MARSH		
w	RIVER SEDIMENTS		
w	NO AD SURFACE		
s	TAILINGS		
ur	URBAN		

Note: Water categories (lk, oc, w, r) installed 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
B	BRUSH	NPBS	NON PRODUCTIVE BLOWN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
H	HERB	R	RIVERWASH
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NF	NON-PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

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

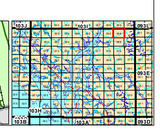
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Broom	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

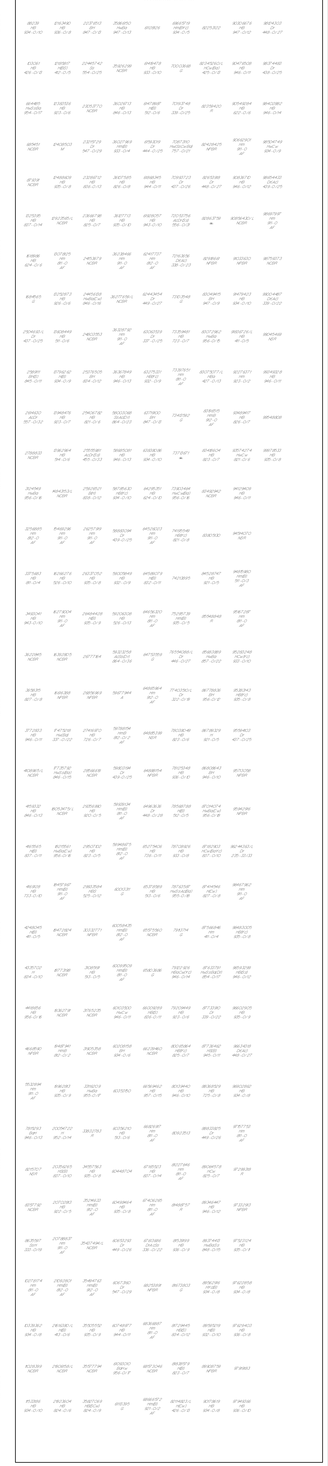
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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
- OPENING LABELS
- OPENING - PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- SILVICULTURE
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



Overflow Labels



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