103A079

Vegetation Map
103A079

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 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 in Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM - Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric - 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 Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (> 1,000,000 ha) - (> 5 % hatch)
- Municipal boundary (< 1,000,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

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

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

	LINE DESCRIPTION
0.87	1. Silviculture symbol and Opening Number
E1A	2. Polygon Number and multi-layer stand indicator (L)
0.87	3. Species Composition
Fd Hw	4. Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI
7 7 5	ex. stand in age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 5 (6-15%), SI 20m
20	5. Vegetated Density Class (or Non-Forest/Productive Description)
N/AT	ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
00/98	6. Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

opening number used for BCGS map sheet

2XXX - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer:

VRMS 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

E	ESSAY
Cw	Western Red Cedar
Y	Yellow Cedar
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Hw	HEMLOCK
Ha	Amabilis Fir
Bg	Grand Fir
Hm	Mountain Hemlock
H	HEMLOCK
Hm	Mountain Hemlock
Hmm	Mountain Hemlock hybrid
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mt. Juniper
Js	Sweetsha juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (coast)
Ppy	Ponderosa Pine (yellow)
Pw	White Pine
Pwi	Western White Pine
Pw	Whitebark Pine
Py	Yellow Pine
Ss	Black Spruce
Se	Engelmann Spruce
Sb	Black Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce x White
Sxl	Spruce x Alpine
Sxl	Spruce x unknown hybrid
Sx	Spruce
Yp	Western Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
Ds	Sitka Alder
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Black Cottonwood
Ap	Balsam Poplar
At	Trembling Aspen
B	BIRCH
B	BIRCH
Ea	Alaska Paper Birch
Ebh	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
C	Cascara
V	CHERRY
Vm	Mahaleb Cherry
Vo	Choke Cherry
Vp	Pin Cherry
D	DOGWOOD
Dw	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
Q	OAK
Qg	Garry Oak
R	WILLOW
Act	Black Cottonwood
Ap	Balsam Poplar
At	Trembling Aspen
B	BIRCH
Ea	Alaska Paper Birch
Ebh	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
C	Cascara
V	CHERRY
Vm	Mahaleb Cherry
Vo	Choke Cherry
Vp	Pin Cherry
D	DOGWOOD
Dw	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
Q	OAK
Qg	Garry Oak
R	WILLOW
Sb	Bebb's Willow
Sc	Coast Willow
Sd	Drummond Willow (Barclay's)
Sep	Peach Willow (ginger-leaved)
Sfs	Scouler's Willow
Sw	Sitka Willow (sweet)

SHRUB TYPE - OTHER

A	UNKNOWN
Act	unknown conifer
Ah	unknown deciduous
Ax	OTHER (broadleaf or tall)
Zc	other conifer
Zx	other hardwood

EXOTICS

Ua	APPLE
A	ASPEN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
B	BIRCH
Ej	*European Birch
Ey	*Silver Birch (swamp)
Ey	*Yellow Birch
Ey	Birch
H	Sweet Cherry
CYPRESS	
Yn	*Nootka Cascad Cedar
FIR (Balsam)	
Bl	*Balsam Fir
Bn	*Noble Fir
Bm	*Alaska Red Fir
Bs	*White Fir
LARCH	
Lk	*Dahurian Larch
Lp	*Siberian Larch
Lx	Larch
Ae	Box Elder
Mr	*Norway Maple
Mx	*Sycamore Maple
OAK	
Qb	*English Oak
Qr	*Red Oak
Qx	*White Oak
OTHER EXOTICS	
Ox	*Incense Cedar
Ow	*Western Redcedar
Oc	*Coast Redwood
Od	European Mountain Ash
Ds	*Siberian Elm (southern)
Ue	Elm species
Og	Dragon Ash
Ot	*White Ash
Ow	*Black Locust, Hickory
Oj	*Tree of Heaven
Oh	Japanese Walnut
PINE	
Pn	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
WILLOW	
Sr	*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 metric whenever all 50 years breast height ages are present. Site curves are used for the leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is calculated when, by BEC zones and presence of a species, a minimum of 5 trees 50 years or older which always persisted in the leading layer in the data base are inventory Type Group and SI8 estimated source code.

Line 5 - Vegetation records

VEGETATED NO-TREE CATEGORIES (1st V and 1 or 2nd N)

NON-TREED SHRUB
- SHRUB TALL - shrub with average shrub height 1 or > to two metres.
- SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- 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 SHRUB-HERB
- SH SHRUB-HERB - brysoid with no distinction between mosses and lichens by cover.
- SHM SHRUB-MOSS - brysoid with mosses > 50% of the brysoid cover.
- SHL SHRUB-LICHENS - brysoid with lichens > 50% of the brysoid cover.

NON-VEGETATED
- E Exposed Land
- R Rock / Rubble
- S Snow / Ice

NON-VEGETATED CATEGORIES (1st V and 1 or 2nd N)

AP	AIRPORT	gr	GravEL PIT
B	BEACH	lk	LAKE
BF	BURNED FIELD	lkb	LAKE BED
br	BEDROCK	lo	LANDING
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS
cl	CLIFF	mi	MINE or QUARRY
ex	EXPOSED SOILS	ri	RIVER
gl	GLACIER		

Note: Water categories (ia, io, rl, rs) not labeled over 80 percent coverage.

mu	MUD/FLAT SEDIMENT	rr	RESERVOIR MARGIN
mp	RUBBLY MINE SPOILS	rw	RAILWAY SURFACE
ro	ROCK	rz	RIPARIAN ZONE
rl	OTHER	rd	ROAD SURFACE
pr	SNOW COVER	tk	TALUS
rs	RIVER SEDIMENT	tz	TIDAL ZONE
rv	RIVER ULTRA/LK	ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (2nd V records)

A	ALPINE	NP	NON PRODUCTIVE
C	CULTIVATED FOREST/Species	NPB	NON PRODUCTIVE BRUSH
CI	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
D	DEFERRED AUR	NPL	NON PRODUCTIVE LIVES
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
L	LOW BRUSH	S	SWAMP
MUD	MUD FLAT	SW	SWAMP

SAND	SAND		
SC	SCRUB / FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPLS	NON PRODUCTIVE STOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

Disturbance type code preceeded 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	Broken	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment
		U	Damage Unknown
		V	Problem Vegetation

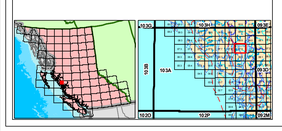
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either MF 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 ID
OPENING LABEL
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels