103B006

Vegetation Map
103B006

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 / Tantalis

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 Feature s:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM - Base Feature s:
- Au 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
- Hydrkdkwtrwrks - 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-Black - 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
- 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:

```
02
Fd3 4
Fd5m1
Se 3m
Hw5
Ga19
```

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)
   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

02 - 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
/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

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
Hwk	Hw x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jd	Juniper Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Limber Pine
Pli	Pl x Limber hybrid
Plc	Lodgepole Pine (interior)
Pyl	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (coastal)
Pp	Shore Pine (coastal)
Pw	Western White Pine
Pxj	Hybrid Jack x Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxb	Sx x Black hybrid
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Engelmann x Lw
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
Ac	Trembling Aspen
E	BIRB/TUS
Ra	Arbutus
Ep	Oak
Ea	Alaska Paper Birch
Eal	Alaska x Paper Birch hybrid
Ew	Water Birch (wikiki)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vm	Choke Cherry
Vv	Choke Cherry
Vp	Pin Cherry
Vu	Bitter Cherry
M	MAPLE
Mb	Broadleaf Maple (deciduous)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wa	Peach-leaf Willow (Bentley's)
Wal	Alaska Willow (Sitka Variety)
Wv	Scouler's Willow
Wf	Sitka Willow (low-level)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ea	APPLE
Ae	ASPEN
Act	ASPEN, COTTONWOOD or POPLAR
Ac	~Southern Cottonwood
Ae	~Aspen
Be	European Birch
Bs	Silver Birch (exotic)
Y	~Yellow Birch
Ch	CHERRY
Ye	~European Cherry
Y	CYPRESS
Yp	~Port Orford Cedar
Fa	FIR (Balsam)
Bn	~Nobles Fir
Bp	Noble Fir
Bm	Californian Red Fir
Bm	~White Fir
L	LARCH
Ld	~Dahurian Larch
Lk	~Siberian Larch
Le	~Eu Larch
Me	Box Elder
Mn	~Norway Maple
Mp	~Sycamore Maple
O	OAK
Qe	~English Oak
Qr	~Red Oak
Qw	~Giant Redwood
Ot	~Bradford Hickory
Oc	~Chestnut
Oj	Japanese Walnut
PINE	
Pm	~Monterey Pine
Pr	~Red Pine
Ps	~Sugar Pine
SPRUCE	
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	141-160
9	161 +

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 known to the nearest 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 age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. young stands (<20y.rs). It is denoted by a dash which always precedes it. 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 records)

NON-TREED SHRUB
- sa SHRUB TALL - shrub with average shrub height >= 4 < to 2 metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids
- hf HERB - FORBS/HERBACEOUS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- ve Exposed Land
- rn Rock / Nubble
- w Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUD/FLAT SEDIMENT
b	BEACH	fp	LANDFILL	mz	RUBBLE MINE SPOILS
bf	BLOCKFIELD	fl	LEASED	oc	OCEAN
bi	BEDROCK	l	LANDING	ot	OTHER
bs	BURNED AREA	la	POND or LAKE SEDIMENTS	ps	SNOW COVER
ea	EXPOSED ALL	mi	MINE SITE	ri	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM
g	GLACIER				

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ro	ROAD SURFACE
ta	TALUS
tz	TAILINGS
ur	URBAN

Note: Water categories (la, oc, re, r) normalized over 90 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	SL	SLOPE / FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	ST	STRIPS
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON CO-MMERCIAL
GE	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON CO-MMERCIAL BRUSH
ICE	ICEFIELD	R	ROCK & LO	NP	NON PRODUCTIVE
M	MEADOW	rk	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD/FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

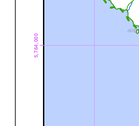
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mtx Damage	T	Treatment Injuries
C	Insects and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

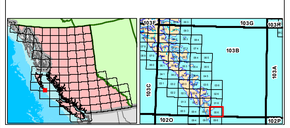
Example Opening History Details

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 S.ILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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





Overflow Labels

1038006