103F076

Vegetation Map
103F076

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. Logged revisions June 2014).

Lands Projected To: January 1, 2018

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (SYP)
- Research Installations

TRIM - Base Features:
- 4x Built Roads
- Forest Service Roads Level
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric/aries - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- R/V 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 (if < 1,000,000 ha) - 15 % hatch)
- Municipal boundary (if > 1,000,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

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

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

```
Cw
Fd   2
Fdi  3
Pl   4
Act  5
     6
```

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 (if dominant layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 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 7 (6-15%), SI 20m
5 Non-Forest Descriptor (if applicable) - see descriptions below
ex: a rock polygon with no distinction between rocks and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Coding Number

1-01 - opening number valid for BCGS mapsheet 2001 - 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
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulus Juniper
L	LARCH
Lt	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Pla	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pp	Ponderosa Pine (yellow)
Pw	Black Pine (Limber)
Pa	Whitebark Pine
Pw	Whitepine Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Hilty Spruce
Sw	White Spruce
Sxw	Spruce Hybrid
Sxs	Sitka x Spruce
Sxl	Sitka x White
Sxw	Sitka x Lutzeana hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
A	APPLE
Ap	Pacific Crab Apple
At	BLACK COTTONWOOD or POPLAR
Ep	Poplar
Abb	Balsam Poplar
Abt	Black Cottonwood
At	Hybrid Poplars
Al	Trembling Aspen
Ep	Poplar Spp.
B	BIRCH
Bp	Paper Birch
Bpp	Alaska x Paper Birch hybrid
Bp	Paper Birch (white)
Bg	Gray Birch
K	DOGWOOD
Ac	Cascara
Kp	Pacific
V	Choke Cherry
Vi	Choke Cherry
E	ELM
Q	GARRY OAK
Qg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wd	Peachleaf Willow (Darley's)
Wr	Scouler's Willow (Trembling)
Wb	Bebb's Willow
Wy	Sitka Willow (Hooker)

UNKNOWN - OTHER

Z	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
X	OTHER (tree known but)
Xx	other conifer
Xh	other hardwood

EXOTICS

YA	APPLE
Ya	Apple
AT	ASPEN, COTTONWOOD or POPLAR
Ae	Southern Cottonwood
Ai	Aspen
Ea	European Birch
Ey	Silver Birch (exotic)
Ec	Black Locust
CH	CHERRY
Ys	Sweet Cherry
Yw	Wild Cherry
Cn	Incense Cedar
FR	FIR (Balsam)
Bc	Corkbark Fir
Bn	Noble Fir
Bm	Shasta Red Fir
Bv	Veitch Fir
LARCH	
Lf	Siberian Larch
Lk	European Larch
MOLE	
Mk	Box Elder
Mn	Norway Maple
Ps	Sycamore Maple
OAK	
Qw	White Oak
OTHER EXOTICS	
Ot	Other Exotic
Ch	Giant Sequoia
Cr	Coast Redwood
Dm	Douglas-maple Ash
Dv	Siberian Elm (exotic)
Cp	Common Pear
Ch	Horse Chestnut
Dl	White Ash
Dn	Green Ash Hickory
Dj	Tree of Heaven
Dp	Northern Walnut
Dv	Elm
Pe	Monterey Pine
Pn	Pine
Pa	Sugar Pine
SPRUCE	
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	101-140
7	121-160
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)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

All SI estimates in the base layer have referenced at 50 years. Site index is the average height of the dominant trees at breast height (4.5m) in meters. When an accurate SI cannot be obtained from ages and height estimates SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees at least present, e.g. veteran trees, stumps, or trees in the 7 to 9 m height range are absent. 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 (rm or ds))

NON-TREED SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- sm SHRUB MEDIUM - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- hg HERB - GRASS - herb with forbs < 50% of the herb cover.
- hf HERB - FORBS - herb with graminoids < 50% of herb cover.

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

NON-VEGETATED CATEGORIES (for V and I (rm or ds))

ar	ALPINE RIDGE	mv	MUDFLAT, SEDIMENT
bm	BEACH	ml	MUDFLAT, MARSH
bl	BLOCKFIELD	la	LAKE
cl	CLIFF	ll	LAKE, MED
ea	EXPOSED LAND	ls	LAKE, SMALL
ee	EXPOSED SOILS	rs	POND or LAKE SEDIMENTS
gl	GLACIER	rp	OPEN PIT
		rm	MORAINE

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rr	ROCK OUTCROPS
rl	ROAD SURFACE
sn	SNOW COVER
tl	TALUS
	RIVER / STREAM

Note: Water categories (la, ll, rs) labeled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F / nsr or ds)

AF	AGRICULTURE FIELD	NPBR	NON-PRODUCTIVE BRUSH
AFC	AGRICULTURE FIELD - Opposite	NPBRC	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
CC	CULTIVATED	NPBUC	NON-PRODUCTIVE BURN - Opposite
G	GRASS / MARSH	NPL	NON-PRODUCTIVE LOW
GR	GRAVEL PIT	OR	OPEN RANGE
H	HAY FIELD	R	ROCK OUTCROPS
M	MEADOW	S	SWAMP
MUD	MUD FLAT		

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NCM	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NPL	NOT SUFFICIENTLY RESTOCKED
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	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Deciduous Insects	P	Cone and Seedling Fungal Pathogens
	Diseases		
	Insects		
R	Site Rehabilitation		
S	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

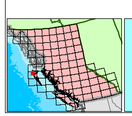
Example Opening History Details

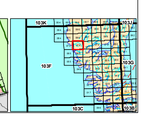
Detailed Silviculture information is available on the BCGW utilizing either INFO or ArcMap. The MapView example is of themed RESULTS data.

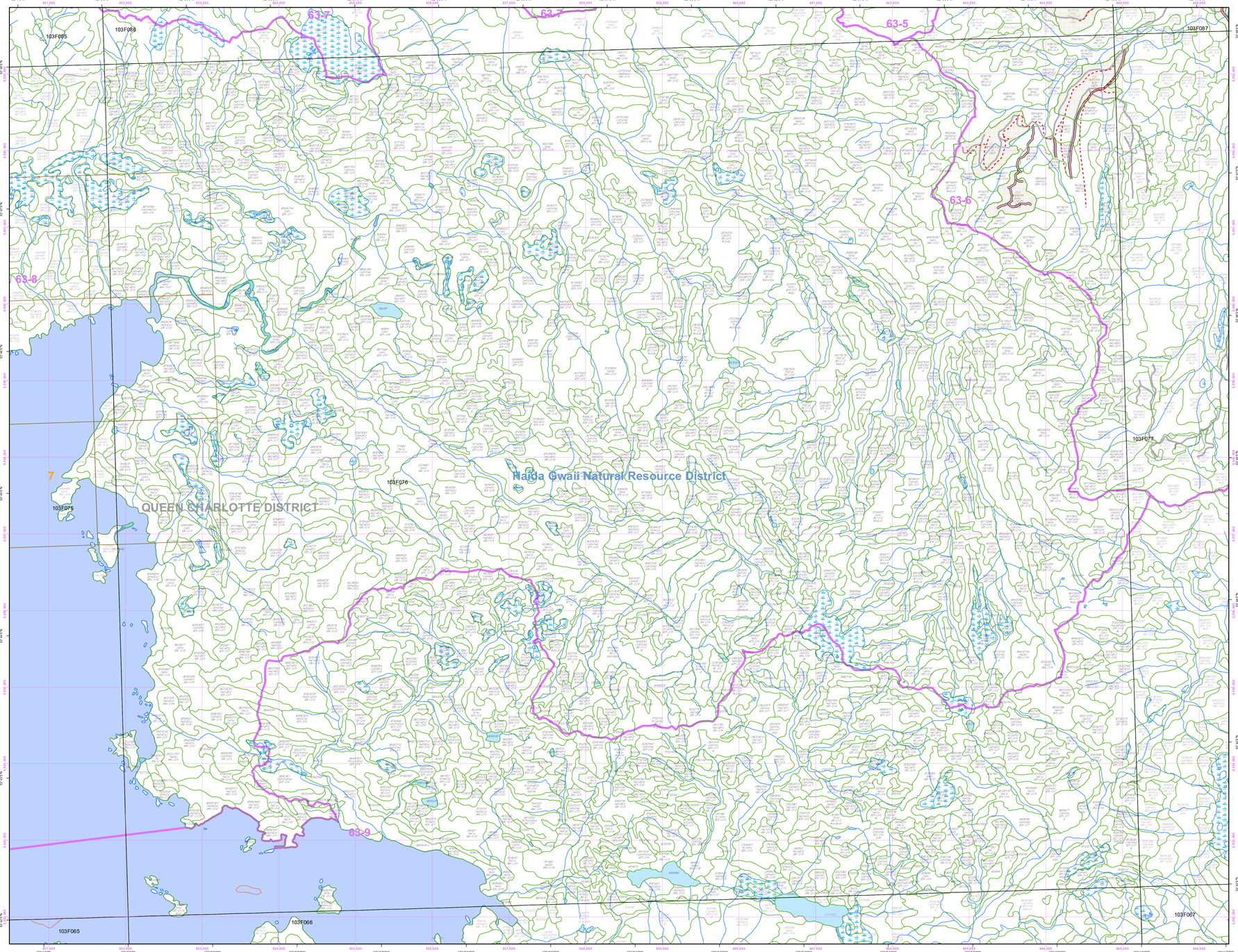
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. To access this application, as then click on "Display Silviculture Maps" to turn on display values for:

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









Overflow Labels