103F086

Vegetation Map
103F086

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 / 3k tiles

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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM_Base Features:
- 4x4 trail Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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
- 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:

```
 1  2  3  4  5  6
 O  1  Fd  4  D  1978
 O  2  Fd  3  D  1978
 O  3  Fd  2  D  1978
 O  4  Fd  1  D  1978
 O  5  Fd  R  D  1978
 O  6  Fd  P  D  1978
```

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 (Douglir Fir) and He (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 herbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OOOO - opening number valid for BCGS mapsheet — OOOO - 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
Cy	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	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	Sitkaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Whitebark Pine
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sx	Spruce Hybrid
Sxe	Sxe Engelmann x White
Sxl	Sxl Sitka x White
Sxw	Sxw White x unknown hybrid
Y	YEW
Yb	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ASPEN
Ep	Pacific Coast Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ax	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
M	ARBUTUS
Mb	Arbutus
V	BIRCH
Ea	Alaska Paper Birch
Ew	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Eb	Water Birch
Z	QUILLEAN
Kc	Cascara
Ku	Giant Chinkapin
Us	Sitka Cherry
Uv	Choke Cherry
G	DOGWOOD
Gf	Flowering Dogwood
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wy	Pacific Willow (Barrett's)
Wr	Pacific Willow (Lyle Anders)
Ww	Pussy Willow (grey leaved)
Wd	Scouler's Willow
Wi	Sitka Willow (lace leaved)

EXOTICS

Ua	APPLE
Act	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Y	BIRCH
Ej	*European Birch
Ejs	Silver Birch (asiatic)
Ey	*Yellow Birch
Ue	ELM
Uc	Siberian Elm
	CYPRESS
Yt	*Port Orford Cedar
	FIR (Balsam)
Bn	Noble Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bs	Subalpine Fir
	LARCH
Lk	*Dahurian Larch
Ll	*European Larch
	MAPLE
Mr	Red Maple
Mg	*Norway Maple
Mp	*Sycamore Maple
	OAK
Qg	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ot	*Tree of Heaven
Ox	*Tatarian Maple
Oa	*Giant Sequoia
Oc	*Coast Redwood
Oe	*European Mountain Ash
Ob	Siberian Elm (southern)
Oh	*Horse Chestnut
Oj	Oregon Ash
Ow	*White Ash
Oi	*Shagbark Hickory
Ok	Japanese Maple
	PINE
Pm	*Monterey Pine
Pi	*Red Pine
Pn	*Austrian Pine
	SPRUCE
Sn	*Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	0 - 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 - 13.4
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	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
0	86 - 100

4d SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. young stands (<20yrs). It is denoted by a slash which always precedes it. Associated fields in the data base are Inventory Type Group and SI estimated source code.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. young stands (<20yrs). It is denoted by a slash 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)

NP - SHRUB
- s SHRUB TALL — shrub with average shrub height > or = to two metres.
- w 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 — herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOID — herb with graminoids > 50% of the herb cover.

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

NON VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BUILDING	la	LAKE	no	NUMBU MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
bs	BOREHOLE	ld	LANDING	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	ps	SNOW COVER
cl	CLEARCUT	ri	RIVER or STREAM	sl	SLUMPING
es	EXPOSED SOILS	rv	MOORAINE	ur	URBAN
gl	GLACIER				

Note: Water categories (la, ps, ri, rv) are labelled over 90 percent coverage.

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rz	ROAD SURFACE
tz	TALUS
ts	TAILINGS
u	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST	NPBR	NON PRODUCTIVE BRUSH	SOIL	SOIL/ DIRT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Spruce Hemlock)		
G	GRASSLAND	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL BAR	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	R	ROCK	NP	NON PRODUCTIVE
M	MEADOW	S	SWAMP	NPS	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT			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

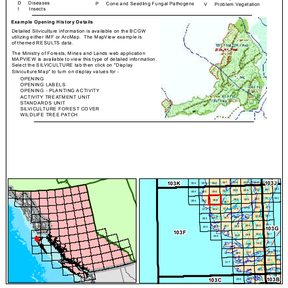
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mechanical	S	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

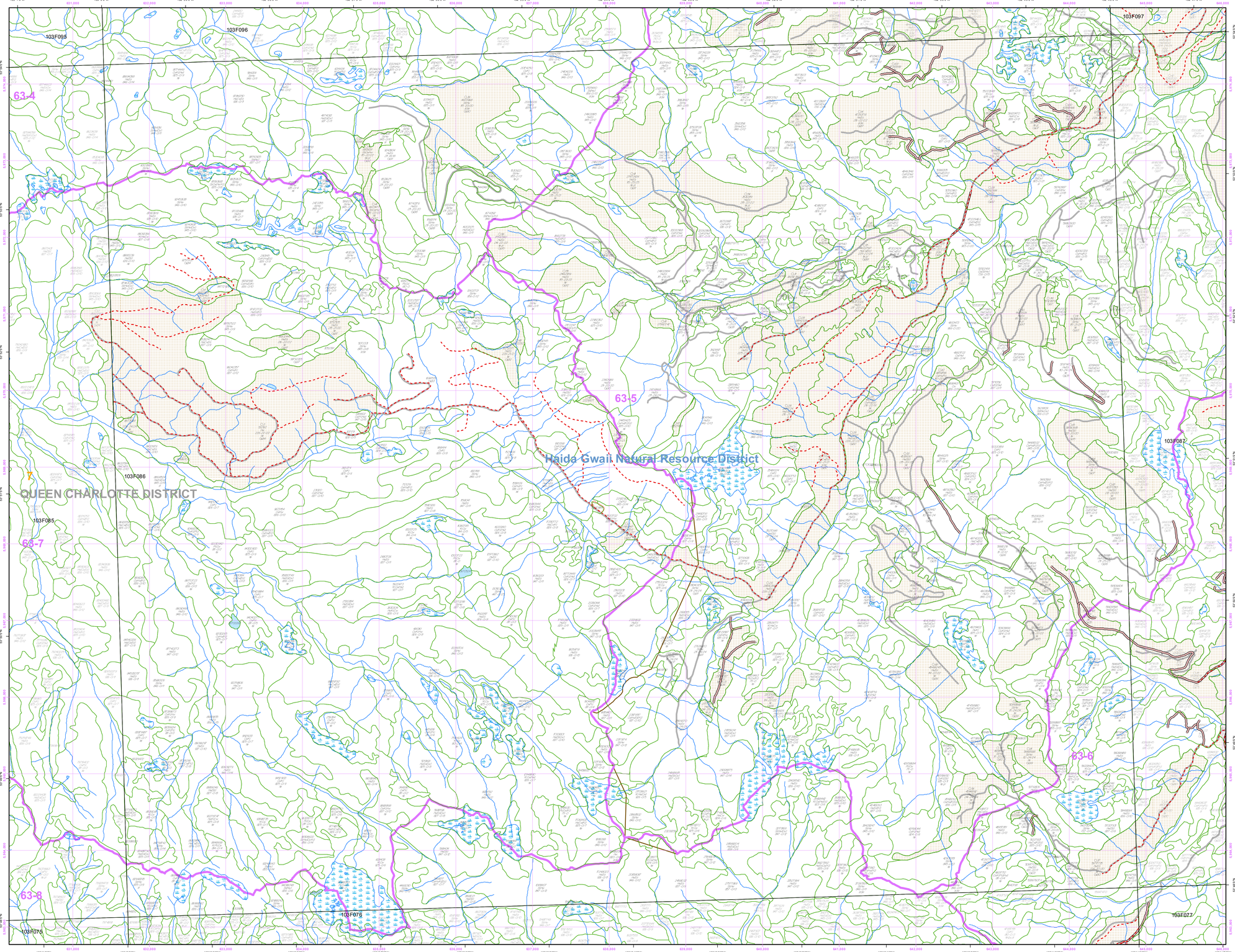
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thenewRESULTS 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
- ADDITIONAL TREATMENT UNIT
- MANAGED STAND
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH





Overflow Labels

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