103F077

Vegetation Map
103F077

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMIS / 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 display the vegetation resource inventory (VRI) data for the specific area of interest. Some of 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)

Lands Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x 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
- Hydrkd/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:

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LINE  DESCRIPTION
 1    1 Silviculture symbol and Opening Number
 2    2 Polygon Number and multi-layer stand indicator (L)
 3    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: stand is aged 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
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Line 1 - History Record Opening Number

'O0123' - opening number valid for BCGS mapsheet *'O0124'* - 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

Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bl	Alpine Fir
Bg	Grandfir
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
Hmw	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jd	Standard Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pa	Ponderosa Pine (yellow)
Pw	White Pine (Inc.pine)
Pwa	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Se	Englemann Spruce
Sx	Engelmann Spruce
Ss	Sitka Spruce
Sxs	Spruce Hybrid
Sxw	Spruce Hybrid
Sxl	Engelmann x White
Sxb	Spruce Hybrid
Sxs	Sitka x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	Dogwood
E	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
At	Aspen
Act	Black Cottonwood
Ax	Hybrid Poplars
Au	ARBUTUS
Ep	Paper Birch
Ea	Alaska Paper Birch
Ew	Paper Birch x Alaska hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ac	Cascara
V	CHERRY
Vm	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vv	Sweet Cherry
Vu	Pacific Dogwood (western flowering)
M	MAPLE
Mv	Vine Maple (bracted)
Mb	Black Maple
O	Oak
Z	BIRCH
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bardaley's)
Wr	Willow (Scouler's or Hookers)
Ws	Sasatoon Willow
Wi	Sitka Willow (sea-kelwed)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree notion list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ae	ASH
Aa	Alaska
Ad	ASPEN, COTTONWOOD or POPLAR
Ab	Western Cottonwood
Eb	BIRCH
Ea	European Birch
Ek	White Birch (swamp)
Ey	Yellow Birch
	CHERRY
Cv	Sweet Cherry
	CYPRESS
Yo	Japanese Cedar
	FIR (Balsam)
Bb	*Bakes Fir
Bm	*Momi Fir
Bm	*Shasta Red Fir
Bc	*White Fir
	LARCH
Ld	*Dahurian Larch
Lk	*Siberian Larch
	OAK
Oc	*English Oak
Or	*White Oak
	OTHER EXOTICS
Ox	*Black Locust
Oc	*Giant Sequoia
Ox	*Coast Redwood
Oa	*Green Ash/White Ash
Of	Siberian Elm (southern)
Of	Common Pear
Oh	*Hackberry
Oa	*White Ash
Oh	*Shagbark Hickory
Ot	*Tree of Heaven
Ok	Japanese Walnut
	PINE
Pm	*Montane Pine
Pr	*Red Pine
Ps	*Scots 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	141-250
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 breast height age. SI are derived from a variety of species using 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 are not present, eg. recently logged areas, alpine, etc. SI may be derived from adjacent polygons if, Associated fields in the data base are Inventory Type Group and SI Estimated source code

Line 5 - Vegetation Inventory

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREED SHRUB
- s SHRUB - 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.
- M HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOID - herb with graminoids > 80% of the herb cover.

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

NON VEGETATED
- r ROCK / RUBBLE
- w SNOW / ICE

NON VEGETATED CATEGORIES (for I and I (cont'd) records)

ap	AIRPORT	gr	GRAVEL PIT
b	BURNED	ic	ICEFIELD
bl	BOCKFIELD	l	LAKE BED
lk	BEDROCK	k	LANDING
c	CULTIVATED AREA	ls	LANDSLIDE SCARS
cb	CUTBANK	m	OPEN PIT MINE
es	EXPOSED SOILS	mr	MORAINE
gl	GLACIER		
mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
mv	MUSKEG WITHOUT TREES	rp	RIPARIAN SHRUB
oc	OCEAN	rs	RIVER SEDIMENTS
ol	OTHER	rd	ROAD SURFACE
ot	OTHER COVER	s	SLIDE
re	RESERVOIR	t	TAILINGS
r	RIVER / STREAM	ur	URBAN

Note: Water categories (ie, oc, re, r) not labelled are 50 percent coverage.

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

AF	ALPINE FOREST / Species	NP	NON PRODUCTIVE
C	CULTIVATED	NPBS	NON PRODUCTIVE BRUSH
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST / Species
GL	GRAVEL BAR	NTA	NOT FYING AVAILABLE
GP	GRASS / HERB	O	OPEN LAND
ICF	ICEFIELD	P	PASTURE
M	MEADOW	R	ROCK
NCP	NON COMMERCIAL	SAND	SAND
		TFL	TIDAL FLAT
		U	URBAN
		NC	NON COMMERCIAL
		NCBR	NON COMMERCIAL BRUSH
		NF	NON PRODUCTIVE
		NSR	NOT SUFFICIENTLY RESTOCKED
		NTA	NOT FYING AVAILABLE

Line 6 - Disturbance History

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

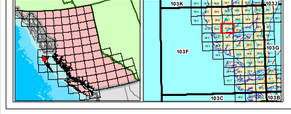
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

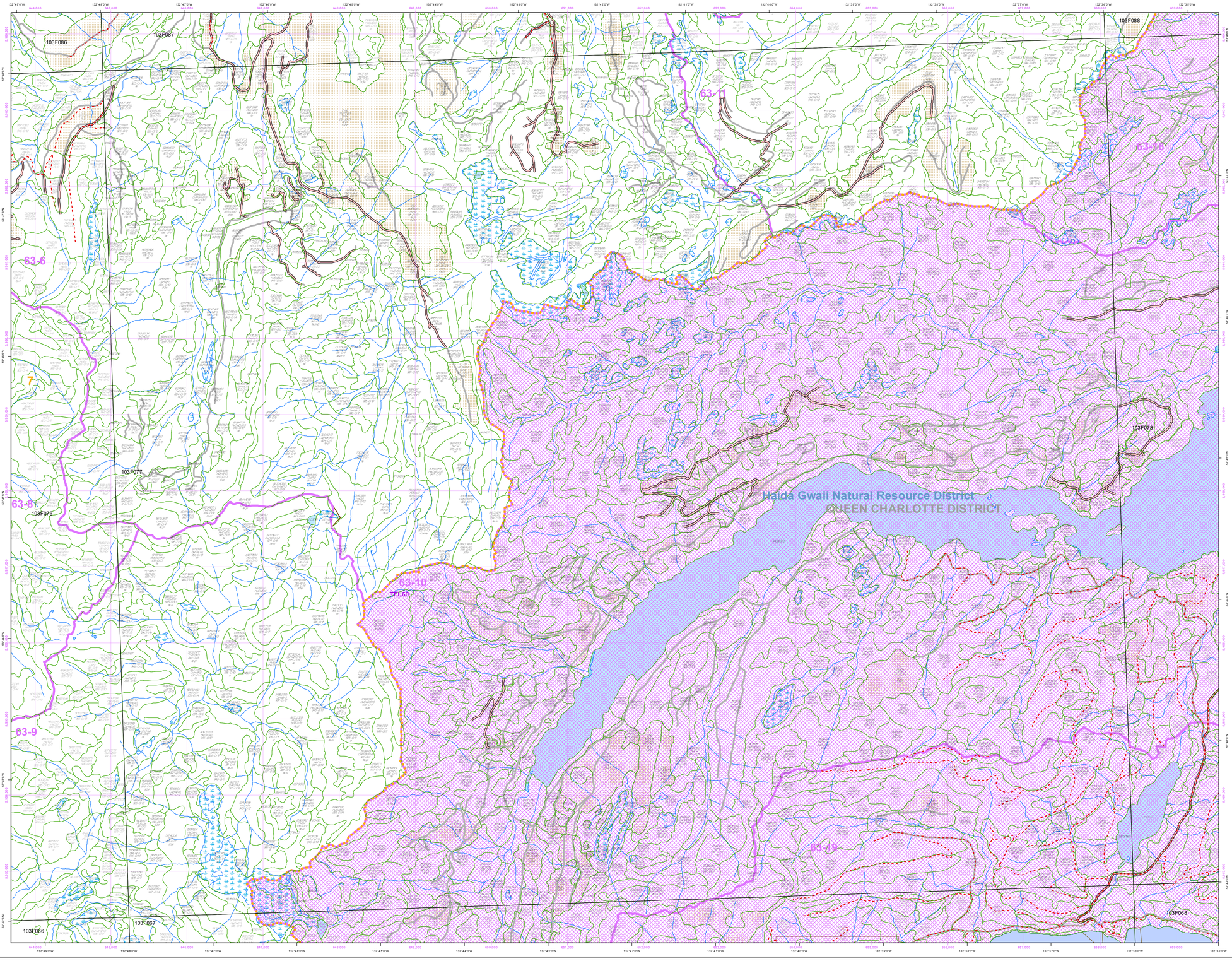
Example Opening History Details

Detailed Silviculture information is available on the BCGW
Data Catalogue - Forests - The MapView example is
of Interest RESULTS data.

The Ministry of Forests, Mines and Lands web application
MAPVIEW is available to view this type of detailed information.
Select "Forest Cover" as the item view on "Display
Silviculture Map" to turn on display values for -

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





Overflow Labels