103B051

Vegetation Map
103B051

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 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 (2013)
- Research Installations

TRIM_Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric areas - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV 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:

LINE DESCRIPTION
1 Opening Number and Opening Number.
2 Polygon Number and multi-layer stand indicator (L).
3 Species Composition
ex: the most important layer is described as Fd (Douglk Fir) and Hw (Western Hemlock)
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: stand 4 age class 2 (21-40 yrs), height class 1 (0.1-10 Am), crown closure class 1 (6-19%), SI 20m
5 Vegetated Density Class (or Non-Forest Productive Descriptor)
6 Stocking Status and Species composition between forbs and graminoids, shrubs less than 2m.
7 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

0127 - opening number valid for BCGS mapsheet *0000* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
A - 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	YEW
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
Jd	Roseate Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plx	Lodgepole x Jack Pine hybrid
Pla	Ponderosa Pine (yellow)
Pw	White Pine (soft)
Pwa	Western White Pine
Py	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sx	Engelmann Spruce
Ss	Sitka Spruce
Sxs	Spruce hybrid
Sxx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Spruce hybrid
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Ds	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Black Cott. Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
Ae	Trembling Aspen
E	BIRCH
Ba	Alaska Paper Birch
Bxa	Alaska x Paper Birch hybrid
Bxb	Birch (Paper x unkn)
Bm	Water Birch
K	CASCARA
Q	OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wy	Pacific Willow
Wa	Peachleaf Willow (Bentley's)
Wb	Scouler's Willow (Barrett)
Wy	Eastern Willow
Wt	Sitka Willow (tea-kaiser)

UNKNOWN - OTHER

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

EXOTICS

	APPLE
Ua	Apple
	ASPEN, COTTONWOOD or POPLAR
Ad	Eastern Cottonwood
	BIRCH
Be	European Birch
Bp	Paper (European)
	*Yellow Birch
	CHERRY
Yb	*Black Cherry
	CYPRESS
Yp	*Port Orford Cedar
	FIR (Balsam)
Bb	*Balkan Fir
Bn	*Noble Fir
Bs	*Sitka Alaska Fir
	*White Fir
Bi	LARCH
Lk	*Dahurian Larch
Lp	*Siberian Larch
	MAPLE
Dm	*English Oak
Qw	*White Oak
	PINE (SOFT)
Pa	*Austrian Cedar
Ps	*Scots Pine
Pc	*Corsican Redwood
Pp	*Ponderosa Pine
Ow	Siberian Elm (southern)
Of	Common Pear
Ch	*Chestnut
Oa	*White Ash
Oc	*Shagbark Hickory
Ol	*Black Walnut
Ot	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Pq	*Jeujo 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.
Site Index (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 subscript E1 thru xxxx8 present, e.g. pine stands (Pl)E1xx. It is denoted by a stem 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
- sh SHRUB - shrub with average shrub height > or = to two 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 - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED MOSS
- 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
- s Shoreline
- m Rock / Rubble
- w Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ar	ROCKBLUFF	ic	ICEFIELD	mr	RUBBLY MINE SPOILS
br	BEDROCK	lk	LANDING	oc	OCEAN
cb	CLIFF or CREA	ls	LAKE SEDIMENTS	ot	OTHER
cs	CUTBANK	mn	OPEN PIT MINE	rd	RESERVOIR COVER
ex	EXPOSED SOILS	mr	MORAINE	re	RESERVOIR
gl	GLACIER			ri	RIVER / STREAM

Note: Water categories (re, ri, rm) not labelled over 50 percent coverage.

rm	RESERVOIR MARGIN		
rm	RAILWAY SURFACE		
rs	RIVER SEDIMENTS		
rz	ROAD SURFACE		
s	SNOW		
t	TAILINGS		
ur	URBAN		

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

AF	ALPINE FOREST	NPBC	NON PRODUCTIVE BRUSH	SAND	SAND
AF	ALPINE FOREST-Species	NPBS	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
FP	FOREST	NPSF	NON PRODUCTIVE FOREST / Species		
G	GRASS, MUR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
L	LAKE	P	PASTURE	NCT	NON COMMERCIAL TREES
M	MEADOW	R	ROCK	NEB	NOT SURVEYED / RESTOCKED
MUD	MUDFLAT	S	SWAMP	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.

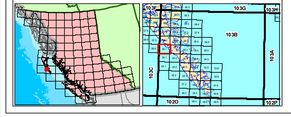
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
E	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

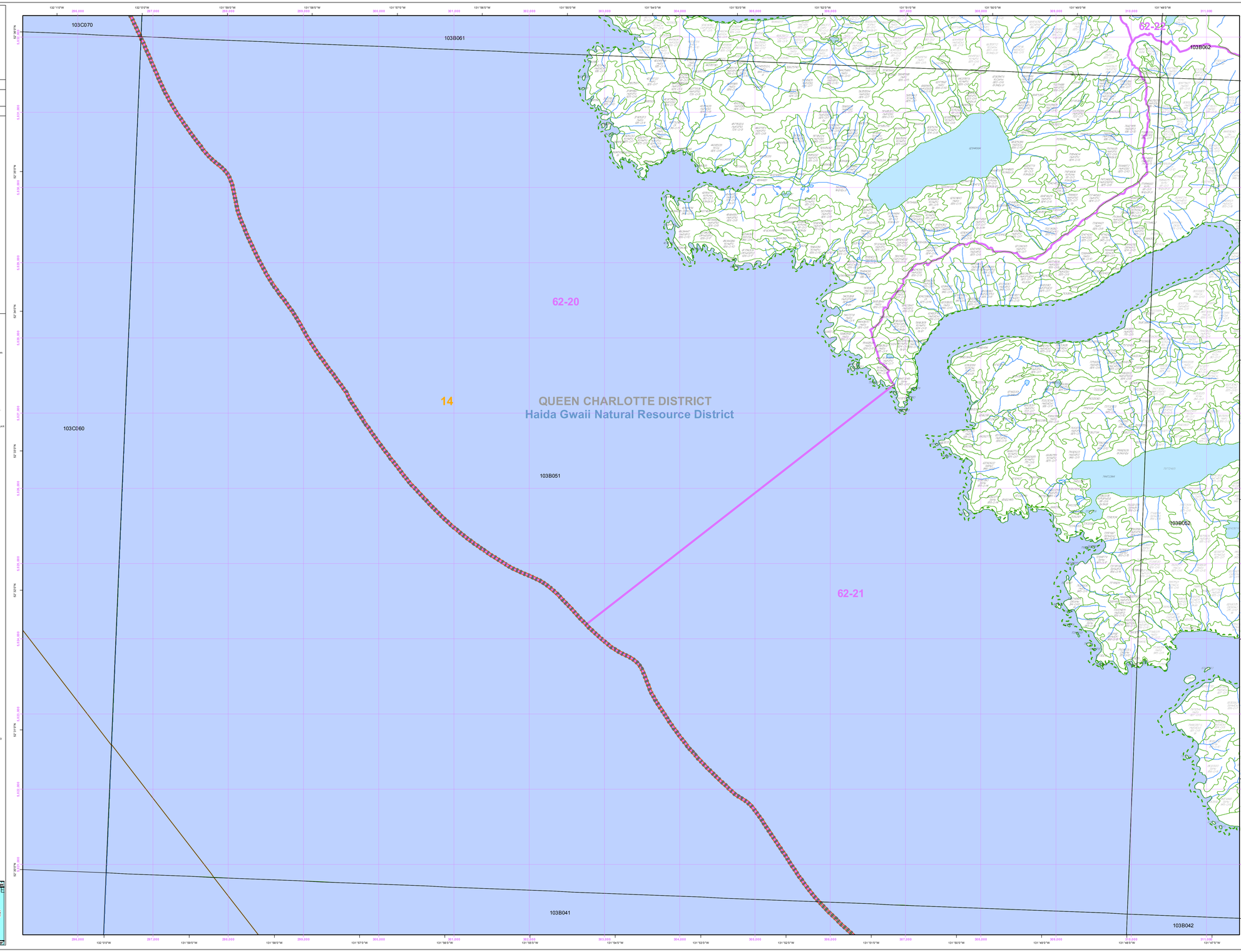
Example Opening History Details

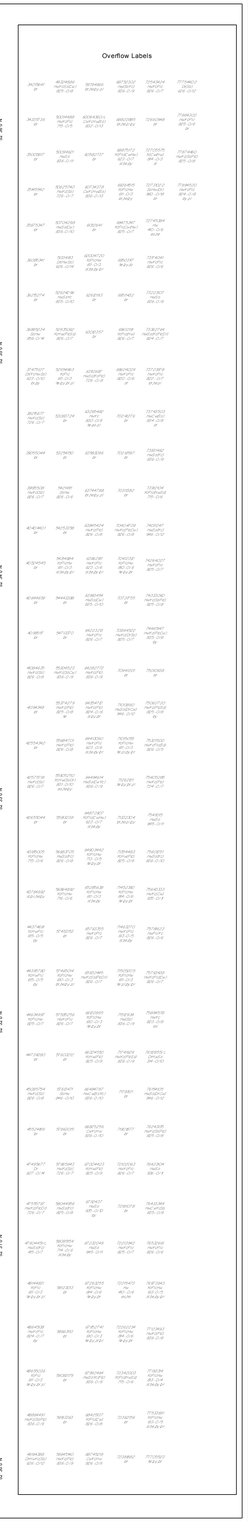
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

The Ministry of Forests, Mines and Lands web application IMAP VIEW 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
OPENING - PLANTING UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







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