103F068

Vegetation Map
103F068

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. (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:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodivertions - 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    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 (Douglk 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 (1.0-10.4m); 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

OGF - opening number valid for BCGS mapsheet DGR - 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	YEW
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
HmH	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweside Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Pli	Lodgepole x Jack Pine hybrid
Plc	Lodgepole x Pine (yellow)
Pw	Shore Pine (coast)
Pxj	Hybrid Pine (Jack)
Pw	Whitebark Pine
S	SPRUCE
Se	Englemann Spruce
Sx	Englemann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxs	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxw	White x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	BIRCH
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abl	Balsam Poplar
Act	Black Cottonwood
Ax	Trembling Aspen
At	Trembling Aspen
R	ARBUTUS
Rp	Arbutus
E	BIRCH
Ew	Water Birch
Ep	Paper Birch
Ep	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
G	CHERRY
Gb	Bitter Cherry
V	Choke Cherry
Vp	Pin Cherry
Gp	Pin Cherry
Gp	Pacific Dogwood (western flowering
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bradley's)
Wa	Peachleaf Willow (Bradley's)
Ws	Scouler's Willow
Wl	Sitka Willow (lowbrawed)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xs	unknown softwood
Z	OTHER (tree not on list)
Zs	other conifers
Zh	other hardwood

EXOTICS

Ua	APPLE
Act	ASPEN, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
Ep	BIRCH
Ep	*European Birch
Ea	Ethel Birch (searls)
Ep	*Yellow Birch
Ep	*Gray Birch
Vs	Sweet Cherry
	CYPRESS
Yc	*Port Orford Cedar
	FIR (Balsam)
Bl	*Silver Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bn	*White Fir
	LARCH
Lk	*Dahurian Larch
Lk	*Japanese Larch
Lk	*Siberian Larch
M	MAPLE
Mr	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
O	OAK
Qw	*English Oak
Qr	*White Oak
	OTHER EXOTICS
Dv	*Smooth Alder
Qr	*Giant Sequoia
Dx	*Cleat Redwood
Ot	*Golden Chain Ash
Ot	Modern Elm (southern)
Of	Common Pear
Ow	*Black Ash
Ow	*White Ash
O	*Shagbrank Hickory
Oc	*Black Walnut
Oj	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pl	*Karl Pine
Pa	*Austrian 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	1.0 - 10.4
2	10.5 - 13.4
3	13.5 - 16.4
4	16.5 - 19.4
5	19.5 - 22.4
6	22.5 - 25.4
7	25.5 - 28.4
8	28.5 - 31.4
9	31.5 - 34.4
A	34.5 - 37.4
B	37.5 - 40.4
C	40.5 - 43.4
D	43.5 - 46.4
E	46.5 - 49.4
F	49.5 - 52.4
G	52.5 - 55.4
H	55.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	1 - 5
T	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

SI is based on the mean tree metre reference 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 measurements (trees after, or release) the SI

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees almost present, e.g. young stands (<20yrs). It is recorded by a site which every 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
- sc SHRUB - shrub with average shrub height > or = to two metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOID - herb with graminoids > 50% of herb cover.
- hf HERB - FORB - herb with graminoids < 50% of herb cover.

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

NON-VEGETATED CATEGORIES (for V and I records)
- ae AIRPORT
- bl BUILDING
- bk BLOCKFIELD
- br BEDROCK
- bu BURNED AREA
- cl CLIFF
- de DEVELOPED SOILS
- gl GLACIER
- gp GRAVEL PIT
- la LAVA
- lb LAVA BED
- ld LANDING
- lk POND or LAKE SEDIMENTS
- mi MINE DEVELOPED
- mo MORAINE
- mu MUDFLAT SEDIMENT
- no KUBIEWSKI SPOLS
- oc OCEAN
- ol OTHER
- pi SNOW COVER
- rd ROAD/TRAIL
- r RIVER / STREAM
- rm RESERVOIR MARGIN
- rr RAILWAY SURFACE
- rs RIVER SEDIMENTS
- rs ROAD SURFACE
- ta TALUS
- tz TAILINGS
- ur URBAN

Note: Water categories (ta, oc, rs, rm) labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)
- A ALPINE
- AF ALPINE FOREST-Species
- C CULTIVATED
- CL CLAY BANK
- EL ELLIPTICAL
- GR GRAVEL BAR
- ICE ICEFIELD
- M MEADOW
- MUD MUDFLAT
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST-Species
- NTA NOT YET PHOTO AVAILABLE
- OR OPEN RANGE
- R ROCK
- S SWAMP
- SAND SAND
- SCRUB SCRUB / BRUSH
- URBAN URBAN
- NC NON COMMERCIAL
- NSR NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NSR NOT SUFFICIENTLY RESTOCKED
- NTA NOTYPING AVAILABLE

Line 6 - Disturbance History

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

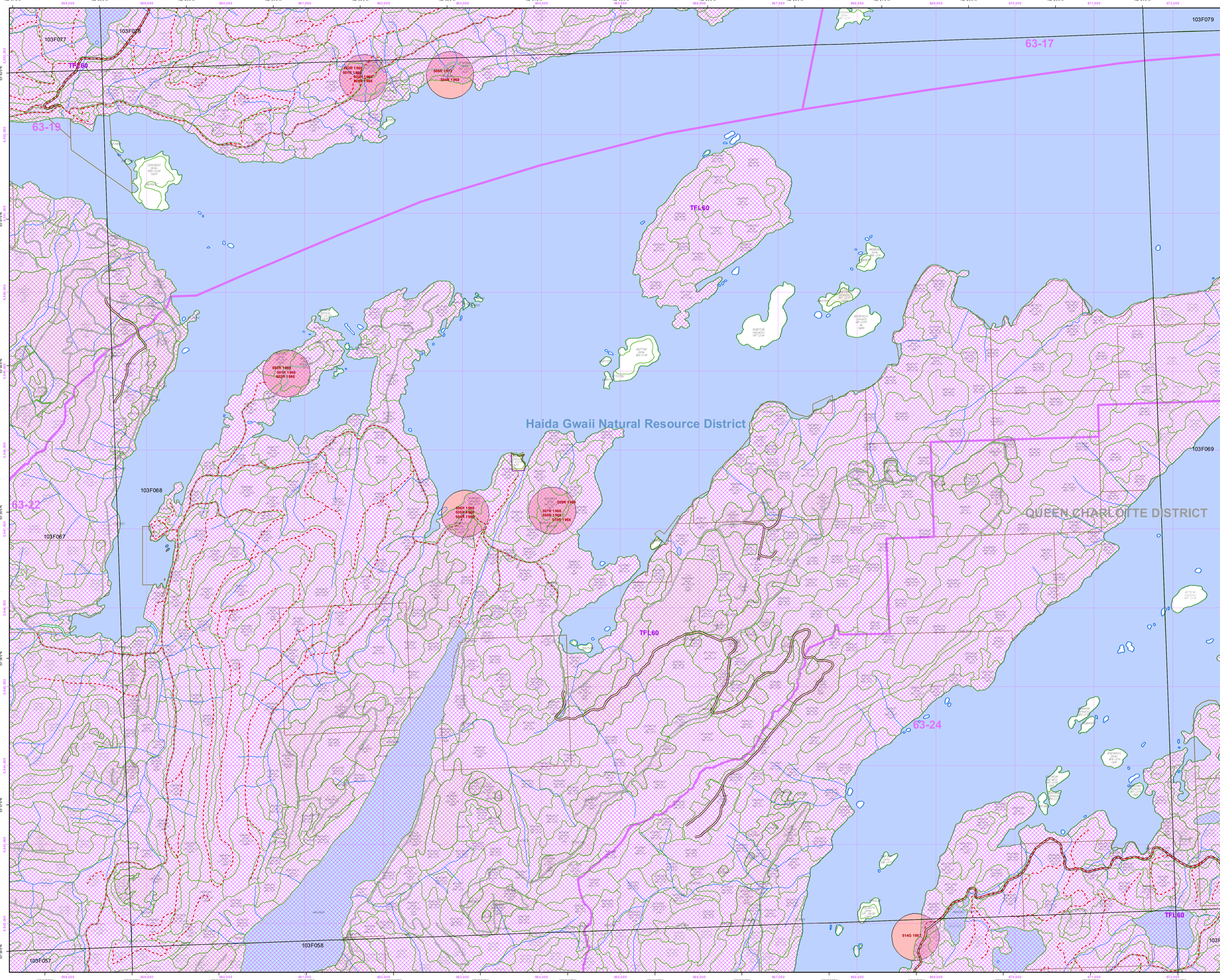
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mechanical
- N Non-Biological Injuries
- P Cone and Seeding Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of Harvest RESULTS 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
- ADMINISTRATIVE DISTRICT UNIT
- FOREST COVER
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



Overflow Labels

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