103F050

Vegetation Map
103F050

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 / Terrabits

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the ecological 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 Polygon:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x Perches
- Other Lines
- Powerline
- Pipeline
- Buildings
- Other Points
- Misc Lines
- Water Lines
- Hydrodirections - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 (> 1:250,000 file / <3 % twitch)
- Municipal boundary (< 1:250,000 file / no twitch)
- 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 (Douglis Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separator - Site Index / estimated SI
ex. the age class is 81-100 years, the height is 22.5-25.4 m, crown closure class 1 (6-15%), SI 20m
5. Vegetated Density Class or Non-Forest/Productive Description
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6. Disturbance History & year - ex Logged in 1978

Line 1 - History Record Opening Number

OGN - opening number valid for BCGS mapsheet

OGN# - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer L

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 4.0 dated January 2009.

NATIVE CONIFERS

E	CEDAR
Cw	Western Red Cedar
Ce	Yellow Cedar
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)
Bp	Pacific Fir
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmw	Mountain Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jc	Common Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lt	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Lodge Pole Pine
Plc	Lodgepole Pine (contorta)
Pli	Lodgepole Pine (latifolia)
Plq	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pf	Limber Pine
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sxs	Sprucextsitka
Sxw	Spruce x White
Sxl	Sitka x White
Sxl	Sitka x unknown hybrid
Ss	Sitka Spruce
Sw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Act	Black Cottonwood
Ax	hybrid Poplars
Ac	Western Balsam
V	ARBUTUS
Ra	Arbutus
W	BIRCH
Ep	Paper Birch
Ekd	Alaska Paper Birch
Ea	Alaska Paper Birch hybrid
Ew	Water Birch (white)
Ep	Paper Birch
K	CASCARA
Bm	Cascara
G	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
Q	OAK
Wil	Sitka Willow
Wp	Pacific Willow
Wsp	Pacific Willow (Barblet's)
Wy	Pussy Willow (grey leaved)
Wh	Scouler's Willow
Wr	Willow (Undifferentiated)

UNKNOWN - OTHER

X	UNKNOWN
x	unknown conifer
xh	unknown hardwood
Z	OTHER (tree not on list)
Q	other conifer
Zh	other hardwood

EXOTICS

AP	APPLE
Ua	Apple
Act	Black COTTONWOOD or POPLAR
Ax	Southern Cottonwood
BI	BIRCH
Ea	European Birch
Ek	Alaska Paper Birch
Ea	Silver Birch (swamp)
Ew	Water Birch
Ep	Paper Birch
Ys	Sweet Cherry
Yo	CYPRESS
	Port Orford Cedar
Ylo	Alaska Cedar
Bb	FIR (Balsam)
Bb	Noble Fir
Bn	Noble x Amabilis Fir
Bl	Alpine Fir
LA	LARCH
Lk	European Larch
Lj	Japanese Larch
MA	MAPLE
Mb	Big Leaf Maple
Mt	Norway Maple
Ms	Sycamore Maple
O	OAK
Qg	English Oak
Qw	White Oak
PI	PINE - EXOTICS
Pa	Austrian Pine
Pl	Giant Sequoia
Pm	Monterey Pine
Pj	European Mountain Ash
Ps	Siberian Elm (southern)
Pn	Scots Pine
Pp	Dragon Ash
Pl	White Ash
Pw	Black Walnut / Hickory
Pj	Tree of Heaven
Pk	Japanese Walnut
Pn	Elm
Pm	Monterey Pine
Pl	Red Pine
Pp	Ponderosa 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 stored in the base as metres referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees. Where the actual breast height age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren't present, e.g. young stands (<30yrs). It is derived by a stand which grows on similar ecosystems where SI trees are inventoried. Type Group and SI estimated source codes.

Line 5 - Vegetation records

VEGETATED NON TREE CATEGORIES (Sv/ v and l records)

NON-TREED SHRUB
- d SHRUB TALL - 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.
- hf HERB - FORBS - herb with forbs >50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids >50% of the herb cover.

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

NON-VEGETATED
- e ESHORE LAND
- w WATER
- s Snow / Ice

NON VEGETATED CATEGORIES (Sn/ n and l records)

bl	BARE SOIL / TILL	mv	MUDFLAT SEDIMENT
be	BEACH	rv	RUBBLY WAVE STYLE
bl	BLOCKFIELD	ol	OCEAN
bo	BOULDERS	ri	RIVER
bg	BURNED AREA	pn	POND or LAKE SEDIMENTS
cb	CUTBANK	rs	RESERVOIR
ds	DELTA SANDS	sw	SEASONAL SNOW
gl	GLACIER		

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
ra	RIVER SEDIMENTS
sn	SNOW PATCHES
tl	TALUS
tl	TAILINGS
ur	URBAN

Note: Water categories (ol, rs, rv, rm) existed as of 20 perpetual coverage.

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

AF	ASPEN	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH
BE	BEACH	NPBU	NON-PRODUCTIVE BURNED
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
ICE	ICEFIELD	OC	OCEAN
ICP	ICEFIELD	PT	HAY PASTURE
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
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.

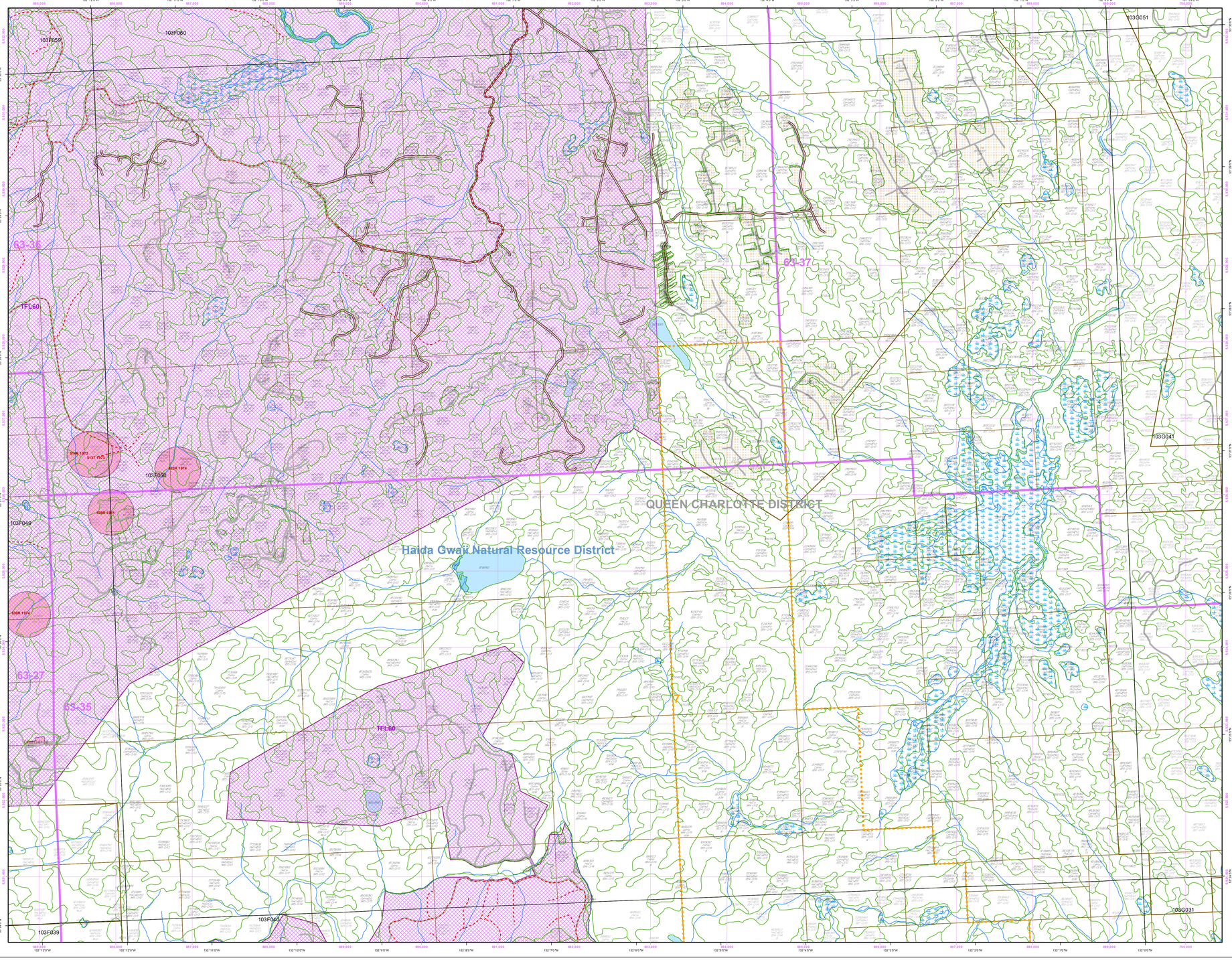
A	Animal Damage	L	Logging
B	Wildfire	M	Mde Damage
C	Insects and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
S	Site Reclamation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed silviculture information is available on the BCGW utilizing either IMP or ArcMap. The MapVie 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. Select the SILVICULTURE tab then click on "Display Silviculture" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
CUTBLOCK LABEL
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels