103F078

Vegetation Map
103F078

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, 2015

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (SYS)
- 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
- Hydrofeatures - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RY Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licences - 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 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
a. Primary Stand 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 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 he/b polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance history & year - ex. Logged in 1978

Line 1 - History Record Opening Number

OGP - opening number valid for BCGS mapsheet ZONE - 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 - S/C Tree Code List

Species Composition: Species are labelled 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

B	BALSAM
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
Ep	Engelmann Spruce
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jc	Common Juniper
L	LARCH
Le	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Pli	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pyj	Lodgepole x Jack Pine hybrid
Pa	Whitebark Pine
Pfa	Knox Pine (cone)
Pw	Western White Pine
Pp	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Hybrid Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxl	Sub alpine x White
Sxl	Sitka x White
Sxw	Sitka x unknown hybrid
Yew	Yew
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Ac	Red Alder
Ad	ARTS
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Abl	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
Ep	BIRCH
Ea	Alaska Paper Birch
Epr	Alaska x Paper Birch hybrid
Ew	Water Birch
K	DOGWOOD
G	Dogwood
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vs	Sweet Cherry
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bandy's)
Wd	Prairie Willow (grey leaved)
Wg	Scouler's Willow
Wl	Sitka Willow (lance-leaved)

UNKNOWN - OTHER

Z	UNKNOWN
Zc	unknown conifer
Zh	unknown hardwood
Z	OTHER (less common tree)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ae	APPLE
Ak	Siberian Elm
At	ASPEN, COTTONWOOD or POPLAR
Ar	*Southern Cottonwood
Ay	Poplar
Ea	European Birch
Es	Silver Birch (exempt)
Ey	*Purple Birch
Ch	CHERRY
Vs	Sweet Cherry
Vt	Pin Cherry
Yo	*Pint Orford Cedar
	FIR (Balsam)
Bp	Noble Fir
Bm	Noble Fir x Fir
Lk	*Siberian Larch
Lr	European Larch
Lyl	LARCH
Me	Box Elder
Mr	*Norway Maple
Mp	Sycamore Maple
Oa	*English Oak
Ow	*White Oak
	OTHER EXOTICS
Ow	*Incense Cedar
Ob	*Giant Sequoia
Ow	*Coast Redwood
Ow	European Mountain Ash
Ow	*Dawn Redwood
Of	Common Pear
Og	Oregon Ash
Ow	*Sycamore
Oc	*Shagbark Hickory
Oj	Tree of Heaven
Ow	Japanese Walnut
PINE	
Pm	*Monterey Pine
Pn	*Austrian Pine
Pr	*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 is based on the age and height of the dominant trees. Site Index estimates are made when trees are twenty age and height estimated 5 ms shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when subplots SI trees cannot present, e.g. young stands (<20yrs). It is denoted by a slash which always follows the SI number (example 20/). SI estimates are based on Type Group and BEC/Biogeoclimatic source curve.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5a-f and i records)

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- d SHRUB DWARF - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- h' HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

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

NON VEGETATED
- W Exposed Land
- w Water / Ice
- w Snow / Ice

NON VEGETATED CATEGORIES (5h-y and i records)

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BOULDERFIELD	l	LAKE	mw	RUBBLY WING SPOILS
br	BROOKFIELD	lb	LAKE BED	oc	OCEAN
lm	MEDWOOK	li	LANDING	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	sn	SNOW COVER
cl	CLEARCUT	m	MARSH / SWAMP	ss	SPOIL SIDE
es	EXPOSED SOILS	mk	MUSKEG	st	RIVER / STREAM
gl	GLACIER				

Note: Water categories (w, ss, oc, st) not labelled over 80 percent coverage.

rm	RESERVOIR MARGIN	SAND	SAND
rr	RAILWAY SURFACE	C	CLAY FLAT
rs	RIVER SEDIMENTS	U	URBAN
ru	ROAD SURFACE		
tl	TALUS		
tz	TAILINGS		
u	URBAN		

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (5a-f i records)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species)	NPBR	NON PRODUCTIVE BRUSH
CL	CLEARING	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species)
DB	DEBRIS / SCREE	R	ROCK / BEDROCK / GLACIER
GR	GRAVEL PIT	SA	OPEN RANGE
ICE	ICEFIELD	F	HAYFIELD
L	LAKE / RIVER	P	PASTURE
MUD	MUDFLAT	S	SWAMP

NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SATISFACTORILY RESTOCKED		
NFA	NO FTG AVAILABLE		

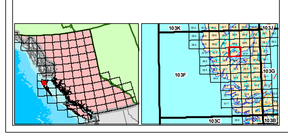
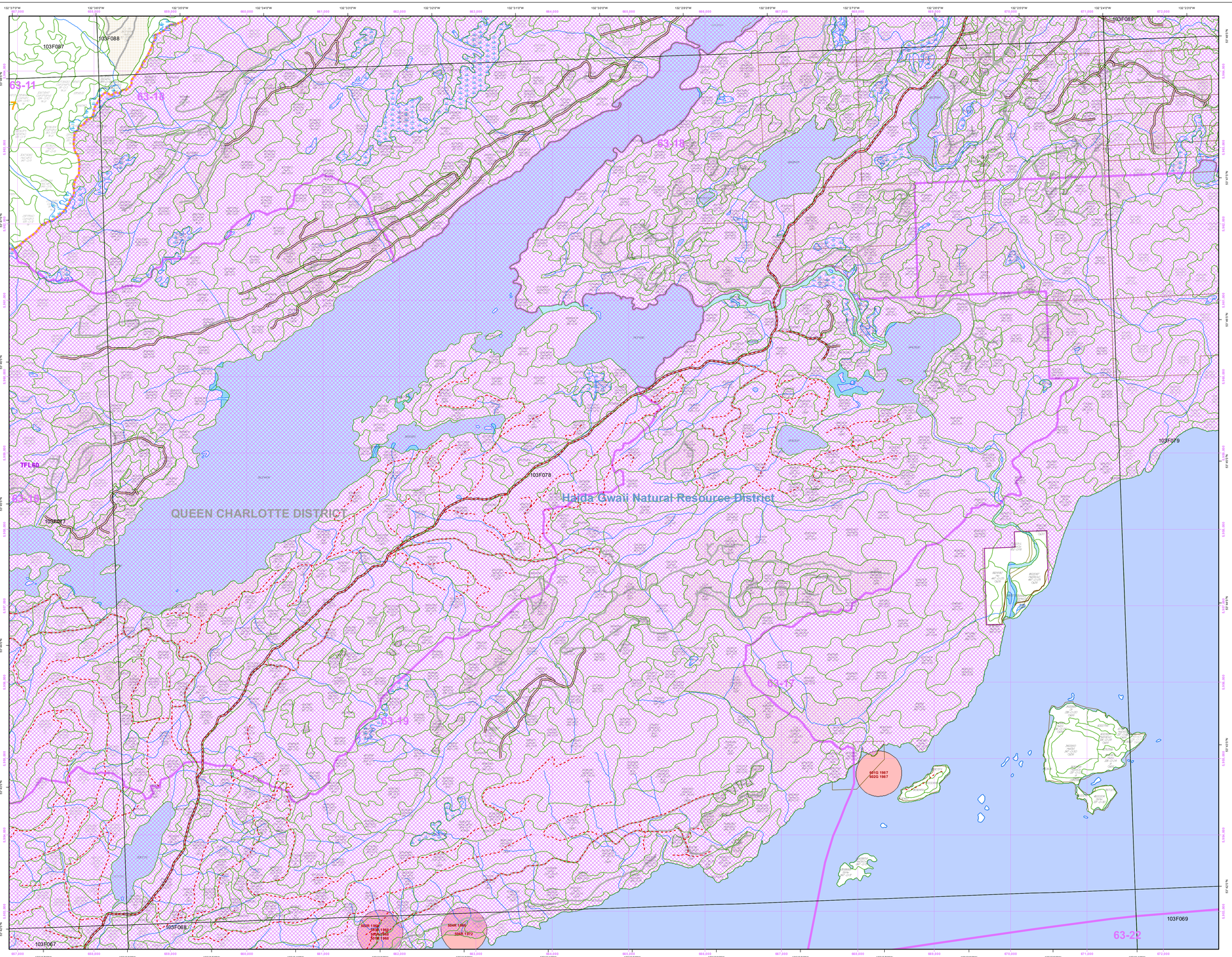
Line 6 - Disturbance History

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	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	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 RSY or AcMap. The MapView 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 Maps" to turn on display values for -

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