BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093N049

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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (OYS)
- 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
- Hydro/Ice-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 Licensee - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (> 1,000,000 ha - 16 % 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:

0 L
Fd 60
Hw 30
Fdi 5
Pl 5
Bl 5
D 5

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 (Douglis 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 herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number

0 L - opening number valid for BCGS mapsheet — 0 R - 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 dataed January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	FIR (Balsam)
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Bl	Fir (Balsam)
Bla	Alpine Fir
Blg	Grand Fir
Bls	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Ji	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pli	Lodgepole Pine x Jack Pine hybrid
Ply	Ponderosa Pine (yellow)
Pm	Shore Pine (coastal)
Pmi	Shore Pine (interior)
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxl	Engelmann x White
Sxt	Sitka x White
Sxs	Sitka x unknown hybrid
T	CEDAR
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ab	Black Cottonwood
Ac	Balsam Poplar
Ad	Black Cottonwood hybrid Poplars
Ax	Balsam x Black Poplar
B	BIRCH
Ba	Alaska Paper Birch
Bp	Paper Birch (white)
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
E	BIRCH
Ea	Alaska Paper Birch
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
K	CASCARA
C	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vm	Black Cherry
V	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Pussy Willow (Barclay's)
Wd	Pussy Willow (gray-leaved)
Ws	Sitcoa's Willow
Wy	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown species
Xh	unknown hardwood
Xc	other species (not on list)
Z	other conifer
Zh	other hardwood

EXOTICS

A	APPLE
Ua	ASPEN
	ASPEN, COTTONWOOD or POPLAR
Af	Southern Cottonwood
B	BIRCH
Ea	European Birch
Ep	Paper Birch (swamp)
Ey	Yellow Birch
C	CHERRY
Tm	Mazzard Cherry
Y	CYPRESS
Yn	Nootka False Cedar
F	FIR (Balsam)
Bb	Balsam Fir
Bn	Noble Fir
Bp	Pacific Silver Fir
Pl	White Fir
H	HEMLOCK
Hs	Western Hemlock
L	LARCH
Lk	Dahurian Larch
Ld	Siberian Larch
MAPLE	
Me	Box Elder
Mn	Norway Maple
Mp	Sycamore Maple
OAK	
Oe	English Oak
Qe	White Oak
OTHER EXOTICS	
Ds	Douglas Fir
Ds	Giant Sequoia
Dc	Coast Redwood
Dd	European Mountain Ash
Dg	Siberian Elm (southern)
Dh	Horse Chestnut
Dg	Oregon Ash
Dr	White Ash
Dt	Shagbark Hickory
Dz	Tree-of-Heaven
Dw	Japanese Walnut
P	PINE
Pne	Nonderosa Pine
Pn	Red Pine
Pa	Stone Pine
PINGUS	
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 species in the stand. If the stand is not dominant by age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the estimated species. Stands that 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
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- hg 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 gaminoids > 50% of the herb cover.

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

NON-VEGETATED CATEGORIES (for V and I records)

- sw SWRFMT
- be BEACH
- br BLOCKFIELD
- bi BEDROCK
- ds DISTURBED AREA
- cu CUTBANK
- ee EXPOSED SOILS
- gl GLACIER
- gravel GRAVEL / PIT
- lake LAKE
- bed LAKE BED
- landing LANDING
- ls GREEN LAKE SEDIMENTS
- rs GREN PIT SPIKE
- mn MORAINE
- mu MUDFLAT SEDIMENT
- mp RUBBLY MINE SPOILS
- oc OCEAN
- ot OTHER
- rc RIVER COVER
- re RESERVOIR
- r RIVER / STREAM
- rm RESERVOIR MARGIN
- rw RAILWAY SURFACE
- rs RIVER SEDIMENTS
- rd ROAD SURFACE
- s SNOW
- t TAILINGS
- ur URBAN

Note: Water categories (la, ot, re, r) not labelled over 50 percent coverage.

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

- AF AGRICULTURE FIELD
- AT ALPINE FORESTS (Species NPBr)
- C CULTIVATED
- CL CLAY BANK
- G GRAVEL BAR
- GR GRASSLAND
- IC ICEFIELD
- M MEADOW
- MUD MUDFLAT
- NPBr NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST (Species NPBr)
- NTA NO TYPING AVAILABLE
- P PASTURE
- H HAYFIELD
- R ROCK
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON COMMERCIAL
- NCB NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NSR NOT SUFFICIENTLY RESTOCKED
- 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.

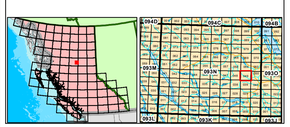
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Man Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

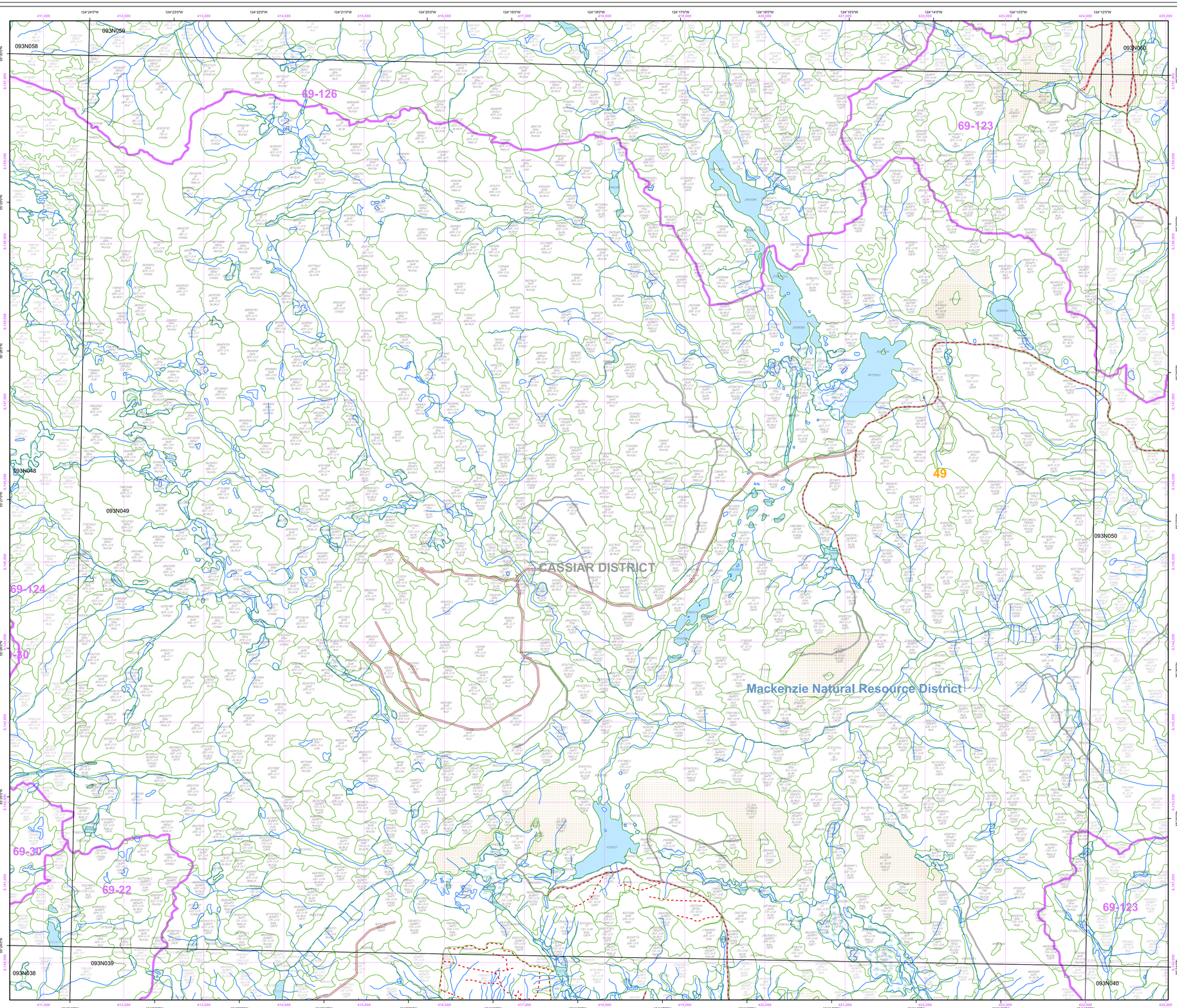
Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application MAP/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
ACTIVITY TREATMENT UNIT
SILVICULTURE
SILVICULTURE FORREST COVER
WILDLIFE TREE PATCH





Overflow Labels