092M082

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092M082

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 (VS10)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved-Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields
- 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 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 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 (Douglas Fir) and Hw (Western Hemlock).
4 Age Class, Height Class, Crown Closure Class, Site Index (Site Curve)
ex: stand is age class 3 (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 Description)
ex: a forb 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

- opening number valid for BCGS mapsheet
zzzx - 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	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fdc	Douglas Fir
Fdi	Interior Douglas Fir
Fd	Douglas Fir
Bg	Amabilis Fir
Bl	Grand Fir
B	Subalpine Fir (alpine)
Bi	Balsam
Hm	Mountain Hemlock
H	HEMLOCK
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sawdale Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pp	Ponderosa Pine (yellow)
Pla	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sxe	Engelmann x White Spruce hybrid
Ss	Sitka Spruce
Sxs	Sitka x Unknown hybrid
Sx	Spruce hybrid
Sxw	Englemann x White
Sw	White Spruce
Sxs	Sitka x Unknown hybrid
T	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
Ax	Trembling Aspen
A	ARBUTUS
Ma	Arbutus
E	BIRCH
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ew	Alaska (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
G	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mv	Vine Maple
Mb	Broadleaf
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wa	Pacific Willow
Wa	Peachleaf Willow (Bandaly's)
Wb	Scouler's Willow (Hooker's Harvest)
Wb	Scouler's Willow
Wr	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

	APPLE
Ua	Apple
Axt	ASPEN, COTTONWOOD or POPLAR
Axt	Poplar, Cottonwood (Black)
Ea	European Birch
Epu	Paper Birch (Prairie)
Ey	*Yellow Birch
Bm	CHERRY
Vs	*Sweet Cherry
Y	CYPRESS
Yp	*Port Orford Cedar (Lawson)
Bp	*Betula PU
Bp	Noble Fir
Bs	*Shasta Red Fir
Bn	*Nikko Fir
Bv	*Veitch Fir
L	LARCH
Le	*European Larch
Ld	*Dahurian Larch
Lk	*Japanese Larch
M	MAPLE
Mr	Red Maple
Mb	Box Elder
Mm	*Norway Maple
Mp	*Sycamore Maple
Q	OAK
Qg	*English Oak
Qn	*White Oak
	OTHER EXOTICS
Ob	*Black Locust
Os	*Giant Sequoia
Oc	*Coast Redwood
Oa	*Monterey Cypress
Ot	Siberian Elm (southern)
Of	Common Pear
Oh	*Horsechestnut
Ow	*White Ash
Og	*Shagbarck Hickory
Oj	*Black Walnut
Oy	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Pa	*Sugar Pine
Pw	*White Pine
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 and co-dominant trees. If the stand is younger than inventory age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren\u2019t present, e.g. young stands (<30yrs). It is denoted by a letter/s which always precedes the estimated SI. The letter/s is the same as the Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES *(for V and I records)*

NON-TREED SHRUB

s	SHRUB - TALL
sl	SHRUB - LOW

- shrub with average shrub height > or = to two metres.
- shrub with average shrub height < two metres.

NON-TREED HERB

he	HERB
hf	HERB - FORBS
hg	HERB - GRAMINOIDS

- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID

by	BRYOIDS
bm	BRYOID - MOSS
bl	BRYOID - LICHEN

- bryoid with no distinction between mosses and lichens by cover.
- bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED

x	Exposed Land
rs	Rock / Rubble
o	Snow / Ice

NON-VEGETATED CATEGORIES *(for V and I records)*

ta	TAILINGS, PIT	mu	MUDFLAT SEDIMENT
be	BEACH	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	o	OCEAN
bu	BUILT-UP	w	WATER
bn	BURNED AREA	sn	SNOW COVER
cb	CUTBANK	re	RESERVOIR
dy	DUNES/DELTA SIDES	rv	RIVER/STREAM
gl	GLACIER		

mr	RESERVOIR MARGIN
rw	RAILWAY SURFACE
rd	ROAD SEGMENTS
ro	ROCK OUTCROP
t	TALUS
ds	UNLINED
ul	UNLINED

Note: Water categories (la, ou, re, rv) classified over 80 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
B	BARREN	NPD	NON PRODUCTIVE DESC
C	CLAY BANK	NPFI	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
I	ICEFIELD	O	OTHER/MISC
KO	KEEP KLEAR	OF	OATFIELD
M	MEADOW	R	ROCK
MAT	MATURE	SWAMP	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		
NC	NON COMMERCIAL		
NPBR	NON PRODUCTIVE 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.

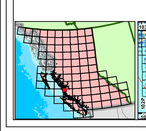
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cones and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		

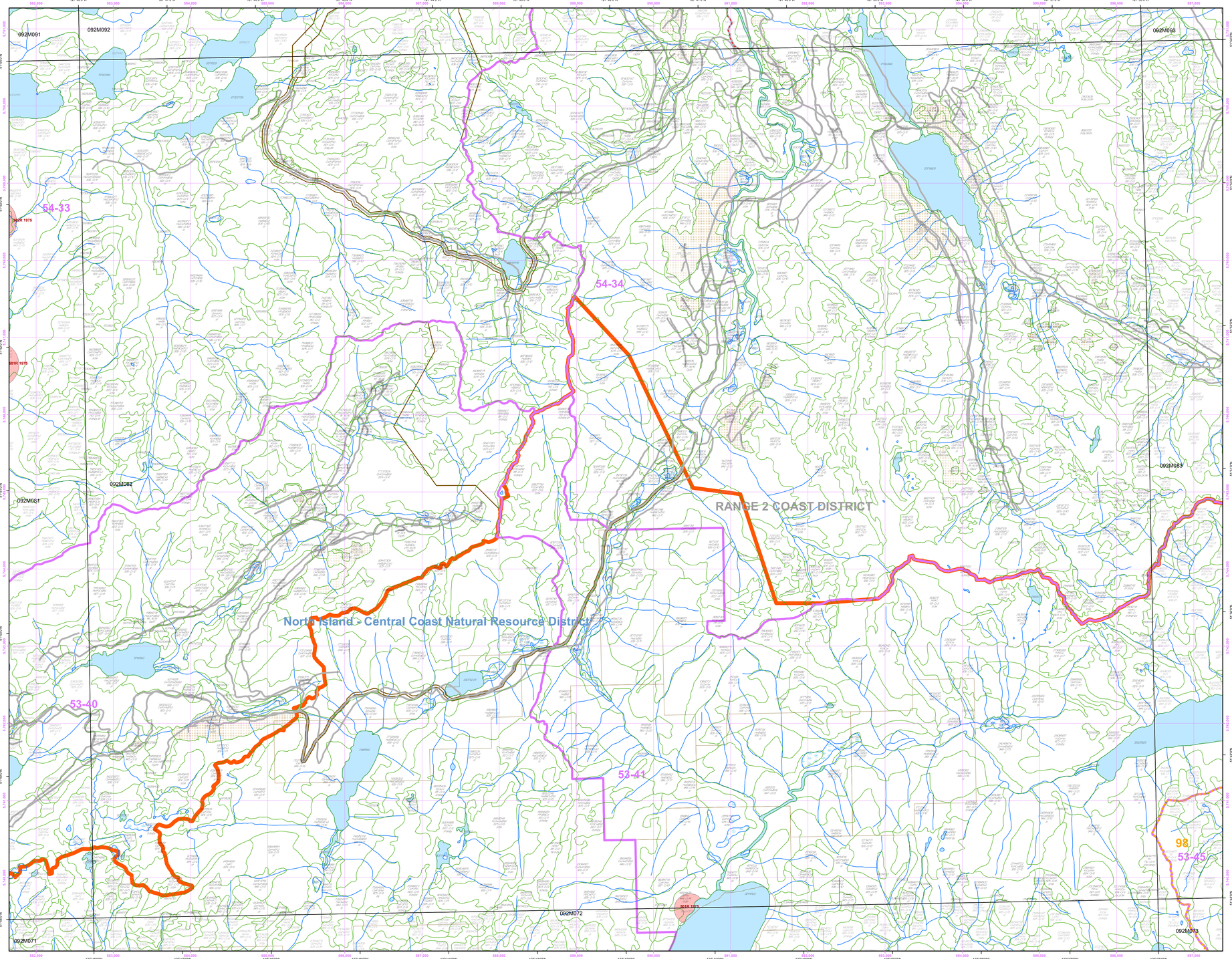
Example Opening History Details

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

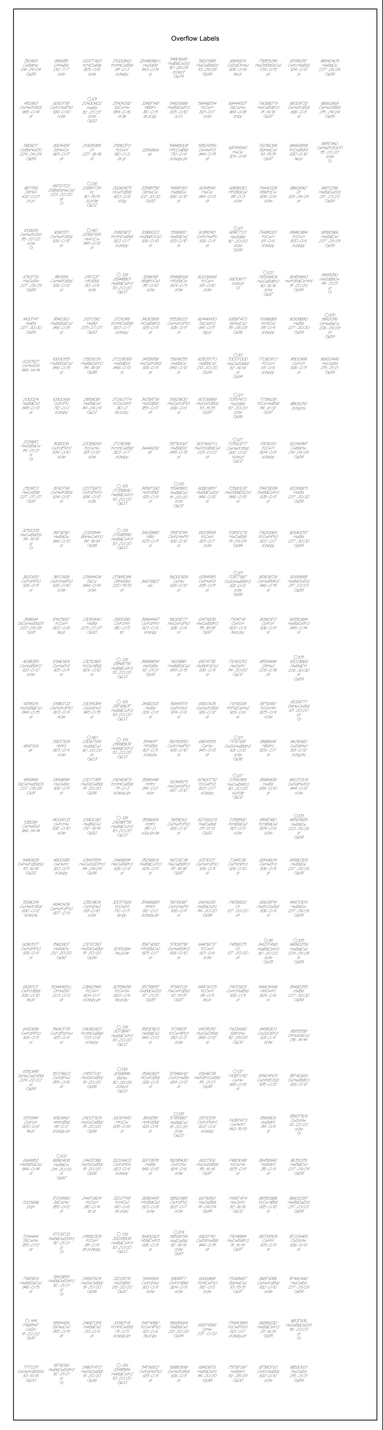
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture" to turn on display values for -

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





Overflow Labels



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