092M005

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092M005

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 contained in this map is compiled from TRIM data, 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 (SYSI)
- Research Installations

TRIM_Base Features:
- 3d Built Features
- Forest Tenure Road Lines
- Paved Roads
- Gravel Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofor/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 (< 1:200,000 ha - 15 % hatch)
- Municipal boundary (> 1:200,000 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 (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 (0.5-10.4m), crown closure class 1 (6.-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. Sparsely vegetated - 10-30% cover of trees, shrubs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

OXX - opening number valid for BCGS mapsheet ZXXX - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

Vegetation polygons ranging from one to nine digits
Multi-layer stand is 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 4.6 dated January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
Ba	Balsam Fir
F	DOUGLAS FIR
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Interior Douglas Fir
B	FIR (Balsam)
Bl	Subalpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Hm	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmxw	Mountain Hemlock Hemlock hybrid
J	JUNIPER
J	Rocky Mtn. Juniper
Lw	Western Larch
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lx	Hybrid Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pla	Ponderosa Pine (yellow)
Pla	Shore Pine (coast)
Plc	Ponderosa Pine (red)
Pw	Whitepine Pine
S	SPRUCE
Se	Engelmann Spruce
Sx	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Sitka x White
Sxl	Sitka x White
Sxl	Sitka x unknown hybrid
Yc	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dm	Mountain Alder
Ac	Pacific Cott-Nigita
Act	Black COTTONWOOD or POPLAR
Ax	Poplar
Axh	Poplar Hybrid
Axt	Black Cottonwood
Ax	Hybrid Poplars
Ep	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
Ep	BIRCH
Ea	Alaska Paper Birch
Epa	Alaska x Paper Birch hybrid
Ep	Paper Birch (NWT)
Ew	Water Birch
K	CASCARA
G	DOGWOOD
C	CHERRY
Cb	Bitter Cherry
Cv	Choke Cherry
Cy	Pin Cherry
Cw	Wild Red Cherry
Cp	Pacific Dogwood (western flowering)
Mb	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Ma	OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bandy's)
Wa	Peachleaf Willow (Bebb's Variant)
Wa	Scouler's Willow
Wa	Sitka Willow (low branch)

UNKNOWN / OTHER

Xh	unknown hardwood
Xc	unknown conifer
Xl	OTHER (deciduous)
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ua	APPLE
Ua	*Siberian Crabapple
Ax	*Southern Cottonwood
Ab	BIRCH
Ey	*European Birch
Ey	*Japanese Birch (Ermans)
Ev	*White Birch
Yc	CHERRY
Yc	*Japanese Cherry
Y	CYPRESS
Ye	*Port Orford Cedar
Yn	*Nootka Cypress
Bp	*Nutkan Fir
Bn	*Noble Fir
Bv	*Veitch Silver Fir
Bs	*Sitka Fir
L	LARCH
Lk	*Siberian Larch
Lp	*Siberian Larch
Mm	MAPLE
Mn	*Norway Maple
Mp	*Japanese Maple
Ow	OAK
Or	*Red Oak
Ow	*White Oak
Ob	OTHER EXOTICS
Ob	*Black Locust
Oc	*Giant Sequoia
Oc	*Coast Redwood
Oe	*European Mountain Ash
Oe	Siberian Elm (southern)
Of	Common Pear
Oh	*Horsechestnut
Oh	*White Ash
Oh	*Shagbarck Hickory
Oj	*Japanese Elm
Oj	Japanese Walnut
Op	PINE
Pn	*Austrianny Pine
Pp	*Red Pine
Pp	*Scots Pine
Sy	SPRUCE
Sy	*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	141-160
9	161 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.5 - 10.4
2	10.5 - 19.4
3	19.5 - 27.4
4	27.5 - 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. Site index curves are based on the dominant leading species. When an accurate SI curve cannot be obtained from 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. Non-Forest, Non-Productive, Alpine, etc. The Estimated SI always provides a 1 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

st	SHRUB TALL - shrub with average shrub height > or = to two metres.
sm	SHRUB MEDIUM - shrub with average shrub height < two metres.

NON TREED HERB

he	HERB
hf	HERB - FORBS - herb with no distinction between forbs and graminoids.
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, liverworts, and lichenoids > 50% of the bryoid cover.

NON VEGETATED

at	Exposed Land
w	Water Body
ri	River / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BOULDERS	ic	ICE CAP	ms	MUSKEG SPRUCE SWAMP
bi	BUILDING	ig	ICEFIELD	ol	OTHER
br	BEDROCK	l	LANDING	or	OTHER RIVER
cl	CLIFF/BANK	ls	LAKE LAKE SEDIMENTS	pl	PLANTATION
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mr	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

Note: Water categories rie, lk, or, rii not labelled over 50 percent coverage.

rm	RESERVOIR MARGIN
rp	RIVER PERENNIAL
rs	RIVER SEDIMENTS
rz	ROAD SURFACE
sn	SNOW
ta	TALINGS
ur	URBAN

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for I records)

AF	ALPINE FOREST (Species	MPBI	NON PRODUCTIVE BRUSH	SAND	SAND
C	CULTIVATED	MPBG	NON PRODUCTIVE BURN	TIDE	TIDAL FLAT
CL	CLEARING	MPBO	NON PRODUCTIVE FOREST (Species	U	URBAN
G	GRASS, BAR	NVA	NOT VEGETATING AVAILABLE	NCL	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
L	LOW BRUSH	OW	OPEN WOOD	NSR	NOT SATISFACTORILY RESTOCKED
M	MEADOW	RCK	ROCK	NVA	NOT SUFFICIENTLY STOCKED
MH	MEADOW HERB	S	SWAMP	NTA	NOT 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.

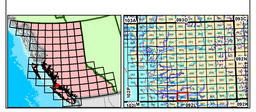
A	Animal Damage	L	Logging
C	Cone Crop	M	Mite Damage
D	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	N	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Protect Vegetation

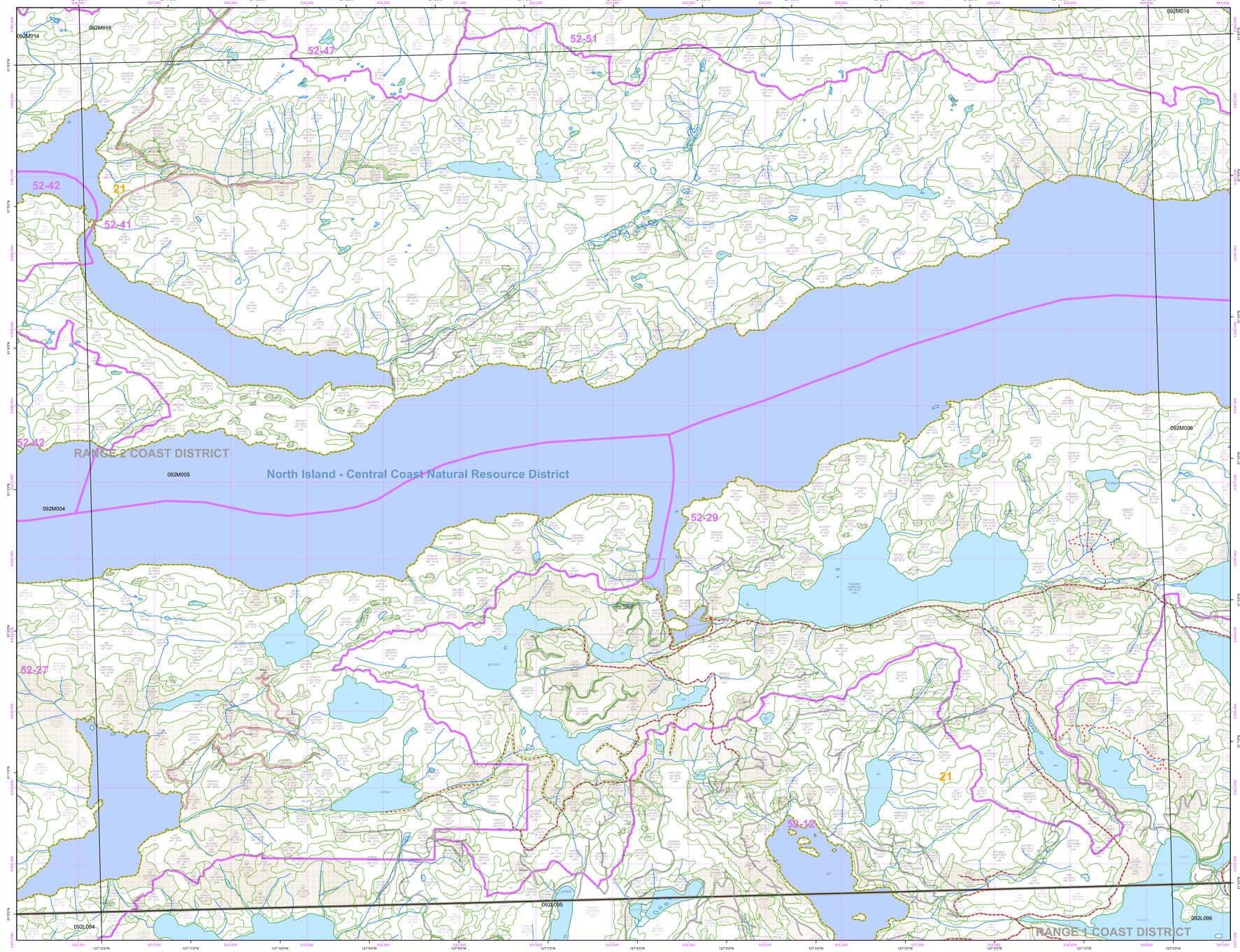
Example Opening History Details

Detailed Silviculture information is available on the BCGW
Select the SILVICULTURE tab. The MapView example is of thinned 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
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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