BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092G091

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 / Tartalis

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
- Structurre Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM. Base Features:
- As 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/Ferr/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource Distrct boundary - FADM
- RV Region Compartment - FADM
- Provincial reserve area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tartalis
- 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 (Douglir Fir) and He (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separator - Site Index - estimated SI
ex. age class 4 (41-80 yrs), 28 metres tall (ht class 7), crown closure class 1 (0.1-10.4%), 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

OOO - opening number valid for BCGS mapsheet. OOOX - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
- With layered stand (a separate description of each layer is available in the data base, i.e. 1,2)

Line 3 - BC Tree Code List 1

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 CONFIERS

C	CEDAR
Cw	Western Red Cedar
Ce	Alaska Cedar
Y	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fg	Grand Fir
Bg	Amabilis Fir
Bl	Grand Fir
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
J	Rocky Mtn. Juniper
Js	Scopulate juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pl	Jack Pine
Pj	Jeffrey Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plcx	Lodgepole Pine x Jeffrey hybrid
Pp	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pwa	Whitebark Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxe	Spruce hybrid
Sxe	Spruce hybrid
Sxe	Engelmann x White
Sxl	White x Alpine
Sxs	Sitka x unknown hybrid
Y	YEW
Yp	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dm	Mountain
Ds	Pacific Crab-Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ab	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
B	BIRCH
Bp	Alleghany
Bpp	Paper
Ea	Alaska Paper Birch
Eac	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
Qr	Red Oak
Qm	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wdp	Pacific Willow
Wrd	Peachleaf Willow (Bentley's)
Wsp	Scouler's Willow (coastal)
Wrs	Scouler's Willow
Wf	Sitka Willow (has leaves)
X	UNKNOWN - OTHER
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

LU	APPLE
Lup	Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
	BIRCH
Ew	European Birch
Ep	Paper Birch (swamp)
Ew	Water Birch
	CHERRY
Vs	Sweet Cherry
Vt	Tree Prune
Ya	*Fruit Orford Cedar
	Fifi (dawson)
Bb	Balsam Fir
Bp	Noble Fir
Bn	*Fraseri Red Fir
Bm	Noble Fir
	LARCH
Ld	*Dahurian Larch
Lk	Japanese Larch
	MAPLE
Mb	Box Elder
Mp	Norway Maple
Mn	*Sycamore Maple
	OAK
Qb	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ch	*Chestnut
Ch	*Giant Sequoia
Cr	*Coast Redwood
Ga	*Common Alder
Ga	Siberian Elm (southern)
Gf	Common Pear
Gh	*Hawthorn
Gk	*White Ash
Gl	*Shagbrack Hickory
Gn	*Walnut
Gs	Japanese Walnut
	PINE
Pa	*Austrian Pine
Pn	*Red Pine
Py	*Sugar Pine
Pp	Pitch Pine
Ss	*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	141-200
9	201 +

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 site index is estimated using 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 site index. It follows the site inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

NON-FREED SHRUB
sl SHRUB TALL - shrub with average shrub height > or = to two metres.
sm SHRUB LOW - shrub with average shrub height < two metres.

NON-FREED 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 graminoids > 50% of the herb cover.

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

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

bd	BEACH	gravel	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BLOCKFIELD	la	LAVA BED	mw	RUBBLY MINE SPOILS
bp	BARE PEAT	lake	POND or LAKE SEDIMENTS	no	OCEAN
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	pit	OPEN PIT MINE
cb	CUTBANK	pit	OPEN PIT MINE	rk	ROCKS
ms	MISCELLANEOUS	mw	MORAINE	rl	RESERVOIR
gl	GLACIER			r	RIVER / STREAM

Note: Non-Vegetated Land categories (la, ss, rk, rl) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN				
rw	RAILWAY SURFACE				
rs	RIVER SEDIMENTS				
sn	SNOW PATCH				
ta	TALUS				
tl	TALINGS				
u	URBAN				

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

A	ALPINE	BR	NON PRODUCTIVE BRUSH	SAND	SAND
AF	ALPINE FOREST Opacies	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
B	BEACH	NPBU	NON PRODUCTIVE BURN	U	URBAN
C	CLAY BANK	NPF	NON PRODUCTIVE FOREST Opacies		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OK	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
L	LANDING	H	HOSFIELD	NF	NOT FORESTED
M	MOSS	P	PEAT	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	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.

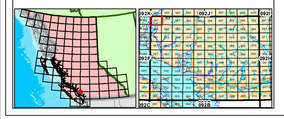
A	Animal Damage	L	Logging	R	Site Rehabilitation
C	Cutting	N	Non-Fire Damage	S	Silviculture Treatment
E	Cone and Seed Insects	N	Non Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

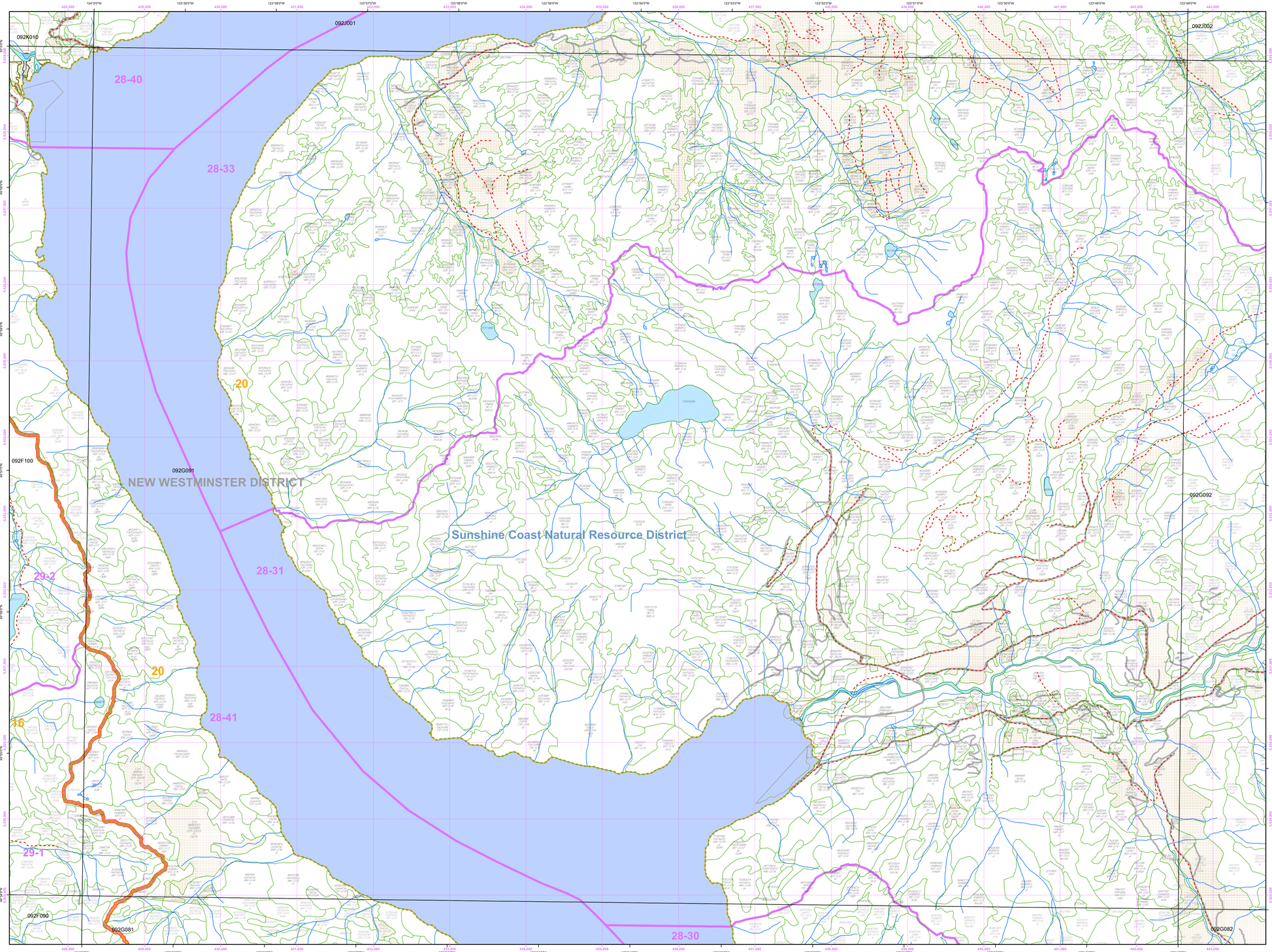
Example Opening History Details

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 "Layers" then "Add" then click on "Display Silviculture Map" to turn on display values for:

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





Overflow Labels