092B084

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092B084

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 / Terrain

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 revised in June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CVS)
- Research installations

TRIM, Base Features:
- Bluff/Rocks
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fairings
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkh/Avalanche - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MoF 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) - 75% 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:

01 E14 Fd1Hw 28 20 Ao2 0078

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 (0.1-10.4 m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest Productive Descriptor)
ex. the stand is sparsely vegetated between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex.s logged in 1978

Line 1 - History Record Opening Number

0001 - opening number valid for BCGS mapsheet
10001 - opening number has not been assigned

Line 2 - Polygon No. / Multi-Layer

VRIMS Polygon Number - ranging from one to nine digits
A, - 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

Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Mountain x Western hemlock hybrid
J	JUNIPER
Jd	Rocky Mtn. Juniper
Js	Sweside Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Lace Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pld	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine
Pmb	Whitebark Pine
Pw	Western White Pine
Py	Ponderosa Pine (yellow)
Pyi	Shore Pine (coast)
Pyc	Ponderosa Pine (coast)
Pw	Whitebark Pine
S	SPRUCE
Sa	Alaska Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	White x Lutz
Sxs	Sitka x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DOGWOOD
E	Red Alder
U	APPLE
C	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ab	Balsam Poplar
Act	Black Cottonwood
Ad	Trembling Aspen
Ar	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
Z	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Ky	Cascara
V	CHERRY
Vc	Choke Cherry
Vi	Sweet Cherry
Vp	Pin Cherry
W	WILLOW
G	OGO WOOD
Gp	Pacific Dogwood (western flowering)
O	OAK
Og	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Banksy's)
Wr	Red Willow (Scouler's willow)
Ws	Sitka Willow
Wl	Sitka Willow (lowbrowed)

UNKNOWN - OTHER

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

EXOTICS

Ak	Akebia
A	ASPEN, COTTONWOOD or POPLAR
Ac	Black Cottonwood
B	BIRCH
Be	European Birch
Bs	Silver Birch (swamp)
Ey	Yellow Birch
Ch	CHERRY
Yn	Sweet Cherry
Y	CYPRESS
Yo	Monterey Cypress
F	FIR (Balsam)
Bb	*Balsam Fir
Bn	*Nikko Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Lel	*European Larch
Lj	*Siberian Larch
M	MAPLE
Mb	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
O	OAK
Oe	*English Oak
Or	*Red Oak
Ow	*White Oak
OTHER EXOTICS	
Oc	*Incense Cedar
Od	*Giant Sequoia
Or	*Coast Redwood
Ot	*Monterey Pine/Bish Ash
Ow	Silverton Elm (southern)
Of	Common Pear
Oa	*Apple spp.
Oh	*White Ash
Oc	*Shagbark Hickory
Oj	*Black Walnut
Ol	Japanese Walnut
PINE	
Pm	*Austrian Pine
Pn	*Red Pine
Ps	*Sugar 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 leading species. When an accurate SI cannot be obtained from agency sanctioned SI curves, after Jr. versus the SI.

4e. ESTIMATED SITE INDEX X
SI is estimated when suitable SI trees aren't present, e.g. young stands (<30yrs). It is denoted by a site X which always precedes it, and is followed by the site 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
- sh SHRUB TALL - shrub with average shrub height > sh = to two metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

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

NON-TREED BRYOID
- by BRYOIDS - 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
- d Exposed Land
- ro Rock / Rubble
- w Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

be	BEACH	ig	ICE	mv	MUDFLAT SEDIMENT
bl	BLOCKFIELD	lk	LAKE	mr	RUBBLE MINE SPOILS
bu	BURN	la	LAKEBED	mi	OCEAN
bs	BUSHES AREA	lv	LAVA	ro	ROCK / RUBBLE
cu	CUTBANK	pd	POND or LAKE SEDIMENTS	sn	SNOW COVER
ds	EXPOSED SOILS	mi	OPEN PIT MINE	rn	RESERVOIR
gl	GLACIER	mn	MORAINE	r	RIVER / STREAM

Note: Water categories (ie. ocean, lake, reservoir, river) are not labelled over 50 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Spaces	NPBC	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Spaces
G	GRASSLAND	OR	OPEN RANGE
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
L	LANDING	R	ROAD
MUD	MUDFLAT	S	SWAMP

SAND	SAND
TA	TALUS / FLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NSR	NOT SATISFACTORILY STOCKED
NTA	NOT TYPED/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	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

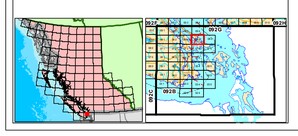
Example Opening History Details

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 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





092B093
092B094
092B083
092B084
092B085
092B073
092B074
092B075

MONTAGUE HARBOUR MARINE PARK
BELLHOUSE PARK
GOULDSON POINT PARK
RUCKLE PARK

8-4
8-3
8-2

South Island Natural Resource District
COWICHAN DISTRICT
S SALTSPRING IS - COWICHAN DIST

Overflow Labels

092B084

092B084