092B063

Vegetation Map
092B063

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 (VRI)
- Research Installations

TRIM - Base Features:
- Ice Bulk Reacts
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Cover - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrains
- Municipal boundary (> 1000.000 ha - 15% hatch)
- Municipal boundary (< 1000.000 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:

OP 8514 Fd(1) Pl 30 Hw 070

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
5. Vegetated Density Class (or Non-Forest/Productive Descriptor), crown closure class 1 (6-15%), SI 20m
6. Vegetated Density Class (or Non-Forest/Productive Descriptor)
   ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
7. Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OP - opening number valid for BCGS mapsheet
8514 - 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
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Subalpine Fir (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweede Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pine
Plc	Coastal Pine
Pli	Lodgepole Pine (Interior)
Pyj	Lodgepole x Jack Pine Hybrid
Py	Ponderosa Pine (yellow)
Ps	Sitka Pine (coast)
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sa	Amabilis Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sxl	Spruce Hybrid
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxx	Sitka x Unknown Hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Black Cottonwood
Act	Black Cottonwood
Ax	Hybrid Poplars
Ae	Trembling Aspen
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
K	Cascara
V	CHERRY
Vf	Fire Cherry
Vo	Choke Cherry
Vp	Pin Cherry
Vu	Bitter Cherry
Qg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
R	Red Alder
Qg	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bentley's)
Wr	Scouler's Willow (Undiff. leaved)
Ws	Scouler's Willow
Wh	Sitka Willow (lanceleaved)

UNKNOWN - OTHER

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

EXOTICS

Ub	APPLE Apple
Ae	ASPEN, COTTONWOOD or POPLAR Aspen, Cottonwood
Eb	BIRCH European Birch
Ey	Asian Birch (Shimpaku)
Yd	Yellow Birch
Yo	CYPRESS *Hnt Orford Cedar
Lk	FIR (Balsam) *Balkan Fir
Lp	*Noble Fir
Lv	*Nikko Red Fir
Bc	*White Fir
Lx	LARCH *Dahurian Larch
Lx	*Siberian Larch
Pa	PINE Bus Stem
Mh	*Norway Maple
Mp	Japanese Maple
Oa	OAK *English Oak
Qw	*White Oak
Oo	OTHER EXOTICS *Giant Sequoia
Oc	*Giant Sequoia
Cr	*Coast Redwood
Ox	*Dawn Redwood hnch
Ox	Eastern Elm (southern)
Of	Common Pear
Ob	*Black Ash
Ow	*White Ash
Or	*Shagbuark Hickory
Ch	Horse Chestnut
Cj	Japanese Walnut
Pa	PINE *Monterey Pine
Pm	*Red Pine
Pv	*Sugar Pine
S	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	141-160
9	161 +

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 free soaring species. When an accurate SI cannot be obtained from age and height breast height ages after, or replace the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arenot present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Ave/Max refers to the data base and 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 - shrub with average shrub height > or = to two metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of herbs cover.
- hf HERB - FORBS - herb with forbs > 50% of herbs 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
- rs Rock / Rubble
- w Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

al	ALPINE	mu	MUDFLAT	mv	MUDFLAT SEDIMENT
be	BEACH	lk	LAKE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lk	LAKEBED	oc	OCEAN
bu	BURNED	ls	LAKESHORE	or	ORCHARD
bs	BUSINESS AREA	pd	POND or LAKE SEDIMENTS	pk	PARK/COVER
cb	CUTBANK	mi	OPEN PIT MINE	rr	RESERVOIR
ea	EXPOSED SOILS	mn	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

Note: Water categories (lk, ou, re, rl) not labelled over 50 percent coverage.

NON-FOREST (NON-PRODUCTIVE DESCRIPTOR CODES (for V records)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	T	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRASSLAND	NPL	NON PRODUCTIVE LINEAR	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE	R	ROCK	NPBR	NON PRODUCTIVE STOCKED
MUD	MUDFLAT	S	SWAMP	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.

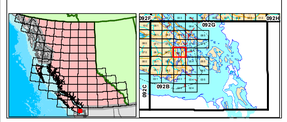
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The 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 ID
- OPENING LABELS
- OPENING - PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH





092B072
092B073
092B074
092B062
092B063
092B064
092B052
092B053
EPOSIT
SATELLITE CHANNEL ECOLOGICAL RESERVE
SHAWNIGAN DISTRICT
COWICHAN DISTRICT
South Island Natural Resource District
MALAHAT DISTRICT
NORTH SAANICH DISTRICT
SOUTH SAANICH DISTRICT
BAMBERTON PARK
JOHN DEAN PARK
EP075405.17 Bamberton
EPO85735
7-33A
7-37A
7-37C
7-38A
7-37D
7-38B
8-1
8-3
6-1P
6-1N
502R 1974
Overflow Labels

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