Vegetation Map
092B074

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:
- 4x4 Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroshoarlarins - 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 - Tantalis
- Municipal boundary (< 1,000,000 ha) - 1% 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:

OP 874 Fd*Hw 28 20 Ad 028

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. Stocking Class (Fd*Hw 28 20 Ad 028 = Fd and Hw, 28 years old, crown closure class 1 (6-15%), SI 20m
6. Vegetated Density Class (or Non-Forest/Productive Description), crown closure class
   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
NOP - 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 database, 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	Nootka Cypress
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
Hwm	Mountain x Western Hemlock hybrid
J.	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetie Juniper
L.	LARCH
Lw	Western Larch
Lt	Tamarack
Lw	Western Larch
P.	PINE
Pj	Jack Pine
Pl	Lodge Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Stone Pine (Lacal)
Pw	Western White Pine
Pa	Whitebark Pine
S.	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxb	Sitka x Black
Sxl	Sitka x Lutzii
Sxw	Sitka x Engelmann White
Sxw	Sitka x White
Sxh	Sitka x unknown hybrid
Sw	White
Yw	Western Yew

NATIVE HARDWOODS

D.	ALDER
Dr	Red Alder
U.	APPLE
At	Pacific Crab Apple
A.	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Acb	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
E.	BIRCH
Ba	Arbutus
E.	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Eg	Gray Birch
Ki	Cascara
V.	CHERRY
Vb	Black Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Bitter Cherry
Gg	Pacific Dogwood (western flowering)
M.	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q.	OAK
Qg	Garry Oak
W.	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bentley's)
Wr	Pacific Willow (Sitka-based)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-based)

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
Ae	ASPEN, COTTONWOOD or POPLAR
Aat	Balsam Cottonwood
B.	BIRCH
Ea	European Birch
Ek	Japanese (Monkey)
Ey	Yellow Birch
CH.	CHERRY
Vs	Mazzard Cherry
Y.	CYPRESS
Yo	*Port Orford Cedar
F.	FIR (Balsam)
Bb	*Balsam Fir
Bn	*Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L.	LARCH
Lr	*Dahurian Larch
Ll	*Siberian Larch
M.	MAPLE
Mk	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
O.	OAK
Qe	*English Oak
Qm	*White Oak
	OTHER EXOTICS
Oa	*Monterey Cedar
Oc	*Giant Sequoia
Od	*Coast Redwood
Oh	*Western Hemlock Ash
Ok	Eastern Elm (southern)
Ol	Common Pear
Op	*Black Locust
Ow	*White Ash
Or	*Shagbrank Hickory
Ot	Tree-of-heaven
Ow	*European Walnut
PINE	
Pr	*Monterey Pine
Pp	*Red Pine
Ps	*Scots 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 - 10.0
2	10.5 - 13.4
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)
1	1 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

SI is an answer to the meanst 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 age and height, estimated SI is shown after, a / replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present; e.g. young stands (<10yrs). It is denoted by a slash which always precedes it. 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
- w 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.
- hf HERB - FORBS - herb with forbs > 50% of herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of 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 bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ar	ARGILLIC	w	WATER	mu	MUDFLAT SEDIMENT
as	ASHCAP	wl	LAKE	nz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	wr	LAKEBED	oc	OCEAN
bs	BEDROCK	wm	LANDING	or	RESERVOIR
cb	BEDROCK/TILL	wn	NATURAL LAKE SEDIMENTS	ps	SNOW COVER
cl	CUTBANK	wo	OPEN PIT MINE	rl	RESERVOIR
es	EXPOSED SOILS	wo	MORAINE	s	RIVER / STREAM
gl	GLACIER		Note: Water categories (w, ao, re, rl) not labelled over 50 percent coverage.		

mm	RESERVOIR MARGIN
rn	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rz	ROCK OUTCROPS
ta	TALUS
tl	TAILINGS
ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTION CODES (for V records)

A	ALPINE	NP	NON PRODUCTIVE
B	BARREN	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPT	NON PRODUCTIVE FOREST (Species
D	DUGOUT (DUG)	NV	NOT VEGETATION ABLE
GR	GRAVEL PIT	OA	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
L	LAKE (LAC)	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND
SAT	SATURATED
U	URBAN
Bc	*White Fir
Bn	*Noble Fir
Lr	*Dahurian Larch
Ll	*Siberian Larch
M.	MAPLE
Mk	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
O.	OAK
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Oh	*Western Hemlock Ash
Ok	Eastern Elm (southern)
Ol	Common Pear
Op	*Black Locust
Ow	*White Ash
Or	*Shagbrank Hickory
Ot	Tree-of-heaven
Ow	*European Walnut
PINE	
Pr	*Monterey Pine
Pp	*Red Pine
Ps	*Scots Pine
SPRUCE	
Sn	*Norway Spruce

NON VEGETATED
- rl Exposed Land
- rs Rock / Rubble
- sr Snow / Ice

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		

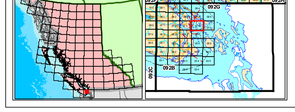
Example Opening History Details

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 Map" to turn on display values for:

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





092B083 092B084 092B085
092B073 092B074 092B075
092B063 092B064

BUCKLE PARK
BEAVER POINT PARK
S SALTSPRING IS - COWICHAN DIST
8-3
8-2
South Island Natural Resource District
COWICHAN DISTRICT
S1-102

123°24'0"W 123°23'0"W 123°22'0"W 123°21'0"W 123°20'0"W 123°19'0"W 123°18'0"W 123°17'0"W 123°16'0"W 123°15'0"W 123°14'0"W 123°13'0"W 123°12'0"W
470,000 471,000 472,000 473,000 474,000 475,000 476,000 477,000 478,000 479,000 480,000 481,000 482,000 483,000 484,000 485,000 486,000
48°48'0"N 48°47'0"N 48°46'0"N 48°45'0"N 48°44'0"N 48°43'0"N
5,405,000 5,404,000 5,403,000 5,402,000 5,401,000 5,400,000 5,399,000 5,398,000 5,397,000 5,396,000 5,395,000 5,394,000

Overflow Labels