092C074

Vegetation Map
092C074

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / 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 ecological 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 2016)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Parties
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkd/Wetlands - 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 (< 1:600,000 ha - 15 % hatch)
- Municipal boundary (> 1:600,000 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 (Dougls 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 (0.1-10.4m), crown closure class 1 (6-15%), 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

0 0 0 5 Fd/Hw 2 1 20 / 2 1 0 4 M 0 0 8

Line 1 - History Record Opening Number

0 0 0 - opening number valid for BCGS mapsheet
Z 0 0 0 - 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

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	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
Jr	Rocky Mtn. Juniper
Js	Common Juniper
L	LARCH
La	Alpine Larch
Lw	Tamarack
Lw	Western Larch
P	PINE
Pl	Lodge Pole
Pli	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (Banksian)
Ps	Shore Pine (coast)
Pw	Western White Pine
Pxj	Jack x Lodgepole Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxw	Sxe/Sxw x White
Sxl	Sxw x Lutz
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ad	Black Cottonwood
Act	Black Cottonwood
At	hybrid Poplars
At	Trembling Aspen
Ra	ARBUTUS
Ra	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
G	DOGWOOD
Y	GINKBY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bentley's)
Ww	Pussy Willow (grey-leaved)
Wh	Hooker's Willow
Ws	Sitka Willow (hoary-leaved)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ua	Apple
At	ASPEN, COTTONWOOD or POPLAR
Ad	- Southern Cottonwood
E	BIRCH
Ea	European Birch
Ey	Silver Birch (swamp)
Ez	Young's Birch
Y	GINKBY
Vs	Sweet Cherry
V	Unknown
Vx	Hybrid Cherry
F	FIR (Balsam)
Bb	Balsam Fir
Bp	Noble Fir
Bn	Nikko Red Fir
Bc	White Fir
L	LARCH
Lk	Japanese Larch
Ls	Siberian Larch
M	MAPLE
Mr	Red Maple
Mn	Norway Maple
Ms	Sycamore Maple
Q	OAK
Qe	English Oak
Qr	Red Oak
O	OTHER EXOTICS
Oa	Incense Cedar
Oc	Atlas Cedar
Oc	Cedar Redwood
Of	European Mountain Ash
Oj	Japanese Mountain Ash
Or	Common Pear
Og	Dragon Ash
Oh	White Ash
Ow	Slaughter Hickory
Oj	Japanese Ash
Oa	Japanese Walnut
P	PINE
Pa	Austrian Pine
Pr	Red Pine
Ps	Sugar Pine
Pp	Ponderosa
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 meters referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. If there are no site trees in the stand, the species, estimated SI and estimate source code are recorded. When a SI is entered after, or replaces the SI, it is assumed to be a field measured SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. recently logged stands. The SI is the site index at breast 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
- st SHRUB TALL - shrub with average shrub height > or = 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.
- hf HERB - FORBS - herb with forbs > 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
- el Exposed Land
- rn Rock / Rubble
- sn Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ae	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
au	AUTO	gr	GRAVEL	nc	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bs	BEDROCK	ld	LANDING	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	pc	PERMANENT COVER
cl	CLEARING	mi	MINE - OTHER	rr	RESERVOIR
ea	EXPOSED SOILS	mn	MORAINE	rv	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN		
rw	RAILWAY SURFACE		
rs	RIVER SEDIMENTS		
ru	ROAD SURFACE		
sl	SLUG		
tl	TAILINGS		
ur	URBAN		

Note: Water categories (la, oc, re, rv) not labelled over 80 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
BR	BRUSH FOREST-Species	NPBR	NON-PRODUCTIVE BRUSH	SLI	SLIDE/SLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST-Species		
G	GLACIER	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	R	ROCK	NP	NON PRODUCTIVE
M	MEADOW	rr	ROCK	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.

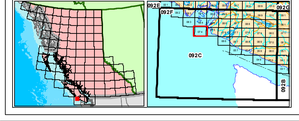
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

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



092C083
092C084
092C085
092C074
092C075
5-8F
4
6-14
6-13D
South Island Natural Resource District
BARCLAY DISTRICT
Overflow Labels

092C074