Vegetation Map
092O099

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

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 / Tantalis

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

TRIM. Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airl/Fairlines
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aux/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 (> 1,000,000 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:

Fd 4 1 E 251 / Fd 3 / Hw 2 / Cw 1 / At 1 / 20 / 23 / Hw 2 / Cw 8

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 (Dougla Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator/ Site Index / estimated SI
ex: a 251 year old Fd, 23 m tall, Crown closure class 4 (56-65%), crown closure class 1 (6-15%), SI 20m
5 Vegetated Damaty 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

092F - opening number valid for BCGS mapsheet 092F - 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 labelled 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)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwi	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lt	Alpine Larch
Lw	Tamarack
Lt	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc-Pli	Lodgepole Pine (Hybrid)
Pp	Ponderosa Pine (yellow)
Ps	Shore Pine (coast)
Pw	Western White Pine
Pyi	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Lutz Spruce
Sx	White Spruce
Sxl	Spruce hybrid
Sxw	Spruce hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Yp	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ea	Alaska Paper Birch
Ea-Ew	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
V	CASCARA
V	Cascara
Vs	Bitter Cherry
Vv	Choke Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wb	Pacific Willow
Ww	Peachleaf Willow (Bentley's)
Wl	Pussy Willow (grey-leaved)
Wb	Scouler's Willow
Wy	Sitka Willow (waxwell)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown (to be left on MI)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	APPLE Apple
Act	ASPEN, COTTONWOOD or POPLAR Balsam Cottonwood
Ew	BIRCH European Birch
Ey	Silver Birch (swamp)
Ey	*Yellow Birch
Vs	CHERRY Sweet Cherry
Yp	CYPRESS *Port Orford Cedar
Fb	FIR (Balsam)
Bb	*Balsam Fir
Bn	*Noble Fir
Bc	*Shasta Red Fir
Bc	*White Fir
Ld	LARCH *Dahurian Larch
Ld	*European Larch
Mr	MAPLE Box Elder
Mr	*Norway Maple
Mr	*Sycamore Maple
Qa	OAK *English Oak
Qa	*White Oak
Oh	OTHER EXOTICS *Black Locust
Oh	*Giant Sequoia
Oc	*Coast Redwood
Oc	*Monterey Cypress/Ash
Ot	Stanley's Mountain Ash
Of	Common Pear
Og	Oregon Ash
Oh	*White Ash
Oh	*Black Walnut/Hickory
Q	Tree-of-Heaven
Oh	Japanese Walnut
Pn	PINE *Monterey Pine
Pr	*Red Pine
Pa	*Austrian Pine
Ss	SPRUCE *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
Site Index is the height in 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 age and heights estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
An estimated site index is used when no permit 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 - shrub with average shrub height > or = to two metres.
- wl 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
- b BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwork, and hornwork > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- al Exposed Land
- ro Rock / Rubble
- si Snow / Ice

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

ae	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ar	ALPINE			mp	RUBBLE / MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
br	BEDROCK	l	LANDING	oi	OTHER
bu	BURNED AREA	s	POND or LAKE SEDIMENTS	ps	SNOW COVER
cb	CLIFF/BANK	m	MINE or MINE	ri	RIVER / ESTUARY
ex	EXPOSED SOILS		MORAINE		
gl	GLACIER		Note: Water categories (s, oc, re, ri) not labeled over 90 percent coverage.		

mr	RESERVOIR MARGIN
rs	RAILWAY SURFACE
rs	RIVER SEDIMENTS
r	ROAD SURFACE
ta	TALUS
tz	TAILINGS
u	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
B	BRUSH	NPB	NON PRODUCTIVE BRUSH	SAT	SATURATED AT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
GP	GRAVEL PIT	N/A	NOT APPLICABLE	NC	NON COMMERCIAL
GR	GRASSLAND	OR	OPEN RANGE	NCB	NON COMMERCIAL BRUSH
ICE	ICEFIELD	OP	OPEN WOODS	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	N/A	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.

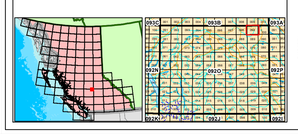
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mild Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Undetermined Cause
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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
SILVICULTURE BLOCK UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels