094I050

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094I050

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
- Sivicuture Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM, Base Features:
- Au Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice-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:

CUT 2005 Fd(Fd) Pl 30 SP 90 Se 10 5 C 6

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 (Douglas Fir) and Hw (Western Hemlock).
Fd(Fd) Fd is the leading species in the dominant layer and is estimated 50 percent.
Ac 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

Line 1 - History Record Opening Number
CUT - opening number valid for BCGS mapsheet
2005 - 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 dataset January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Cy	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
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jc	Rocky Mtn. Juniper
Js	Savin Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pxj	Whitebark Pine x Jack Pine hybrid
Px	Hybrid Pine
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pxj	Whitebark Pine x Jack Pine hybrid
Px	Hybrid Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Prince Rupert Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Abl	Balsam Poplar
Abt	Black Cottonwood
Ax	hybrid Poplars
Al	Trembling Aspen
Ep	Paper Birch
Ea	Arbutus
E	BIRCH
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
K	CASCARA
G	DOGWOOD
Y	CHERRY
Ys	Bitter Cherry
Yt	Choke Cherry
Yp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
Ob	Oregon Oak
W	Bebb's Willow
Wp	Pacific Willow
Wb	Black Willow (Barclay's)
Ww	Pussy Willow (pity-leaved)
Ws	Scouler's Willow
Wr	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ua	Apple
A	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
E	BIRCH
Ea	European Birch
Ep	Silver Birch (swamp)
Ew	White Birch
Y	CHERRY
Ys	Sweet Cherry
C	CEDAR
Cw	Port Orford Cedar
B	FIR (Balsam)
Bg	Grand Fir
Bn	Noble Fir
Bm	Shasta Red Fir
Bc	White Fir
L	LARCH
Ld	European Larch
Lk	Siberian Larch
M	MAPLE
Mn	Norway Maple
Mr	Norway Maple
Ms	Sycamore Maple
O	OAK
Oe	English Oak
Ow	White Oak
	OTHER EXOTICS
Ox	Incense Cedar
Db	Giant Sequoia
Dg	Coast Redwood
Dp	European Mountain Ash
Dp	Siberian Elm (southern)
Dw	Russian Olive
Og	Oregon Ash
Ow	White Ash
Ch	Shagbarks Hickory
Ql	Tree-of-Heaven
Wj	Regular Walnut
	PINE
Pm	Monterey Pine
Pn	Austrian 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 - 10.4
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
50 SI are shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant layer. Site index is shown as a slash between the site age and height, estimated SI is shown after, or replaces 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 the estimated site index. SI values are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

NON-TREES SHRUB
sb SHRUB - 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.
hg HERB - GRAMINOIDS - herb with forbs < 50% of the herb cover.
hf HERB - FORBS - 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 - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
ar Exposed Land
ro Rock / Rubble
is Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	ic	ICE	mp	MULTIPLY MINE SPOILS
br	BLOCKFIELD	la	LAVA BED	no	OCEAN
be	BEDROCK	l	LANDING	of	OTHER
cb	CLEARCUT AREA	ls	LANDSLIP/LAKE SEDIMENTS	os	OVERSTORY COVER
cs	CUTBANK	mi	OPEN PIT MINE	rr	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM
g	GLACIER				

Note: Water categories (la, as, re, rc) will labelled over 50 percent coverage.

rm	RESERVOIR MARGIN
rw	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rz	ROAD SURFACE
sw	SWAMP
tz	TAILINGS
ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
BR	BRUSH	NPL	NON PRODUCTIVE LOW
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GL	GRASS/LAND	P	PERMANENT
ICE	ICEFIELD	R	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN

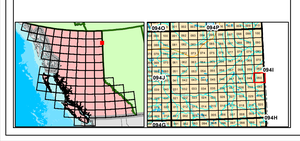
NC	NON COMMERCIAL
NPBR	NON PRODUCTIVE BRUSH
NP	NON PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NOT TYPING AVAILABLE

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	Mile Damage
C	Cone and Seed Insects	N	Non-Ecological 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
SILVICULTURE
SILVICULTURE FORREST COVER
WILDLIFE TREE PATCH