093G047

Vegetation Map
093G047

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

TRIM_Base Features:
- 4x 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/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:

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: 4 (61-80 years) 3 (16.0-22.0 m) 3 (26-35% crown closure class 1 (6-15%), SI 20m
5 Vegetation Density, Crites Cl= Kind of Disturbance 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

cccp - opening number valid for BCGS mapsheet ssssp - 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	Nootka Cypress
F	DOUGLAS FIR
Fd	Douglas Fir
Fdi	Coastal Douglas Fir
Fdc	Interior Douglas Fir
B	FIR (Balsam)
Ba	Subalpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Mountain Hemlock
Hm	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sitkaside Juniper
L	LARCH
Lt	Tamarack larch
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pxj	Lodgepole x Jack Pine hybrid
Pxl	Lodgepole Pine (yellow)
Ps	Shore Pine (coastal)
Pxs	Lodgepole x Shore Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ua	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
Ys	Trembling Aspen
E	BIRCH
Ea	Alaska Paper Birch
Ew	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Lc	CASCARA
V	CHERRY
Vm	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
W	WILLOW
Wt	Gary Oak
Wi	WILLOW
Wr	Peachleaf Willow (Bantay's)
Wp	Pussy Willow (pire-level)
Wb	Scouler's Willow
Wy	Sitka Willow (lowland)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
Ua	Apple
At	ASPEN, COTTONWOOD or POPLAR
Act	Northern Cottonwood
E	BIRCH
Ea	European Birch
Ep	Paper Birch (Europe)
Ey	Yellow Birch
V	CHERRY
Ys	Sweet Cherry
Y	CYPRESS
Yo	Monterey Cedar
F	FIR (Balsam)
Bb	*Balsam Fir
Bn	*Nikko Fir
Bm	*Alaska Red Fir
Bc	*White Fir
L	LARCH
Lk	*Japanese Larch
Le	*Siberian Larch
M	MAPLE
Mn	Box Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
O	OAK
Oa	*English Oak
Or	*White Oak
OTHER EXOTICS
Ot	*Tree of Heaven
Oc	*Coast Redwood
Oj	Japanese Mountain Ash
Oh	Chestnut (Unknown)
Of	Common Pear
Ob	Oregon Ash
Ok	*White Ash
Oe	Black Locust, Hickory
Oq	Tree-of-Heaven
Ok	Japanese Walnut
P	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Pa	*Austrian 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	141-250
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 - 10
2	11 - 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 tree 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 height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

The estimated Site Index code of the dominant leading species present, e.g. Douglas fir (Fd) with a height (+10yrs) 15 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 record's)

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 the herb cover.
- hg HERB - GRAMINOIDS - herb with gaminoids > 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 hornwork > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- el Exposed Land
- ro Rock / Rubble
- sn Snow / Ice

NON-VEGETATED CATEGORIES (for V and I record's)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLE/ MINE SPOILS
bl	BOULDER FIELD	lo	LOADED	o	OCEAN
br	BEDROCK	ll	LANDING	ot	OTHER
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS	pn	SNOW COVER
cb	CANYON/BLUFF	mi	MINE/QUARRY	r	RESERVOIR
ea	EXPOSED SOILS	mn	MORAINE	s	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN
rw	RAILWAY SURFACE
rv	RIVER SEDIMENTS
rr	ROAD SURFACE
ta	TALUS
tz	TAILINGS
ur	URBAN

Note: Water categories (a, cc, ea, rv, mu) labelled over 90 percent coverage.

NON FOREST / NON-PRODUCTIVE DESCRIPTION CODES (for I record's)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
F	NON FOREST /Species	NPB	NON PRODUCTIVE BRUSH	SAT	SATURATED FAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
GR	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GE	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
L	LAKE	R	ROCK	NCBU	NON COMMERCIAL BURN
M	MEADOW	rl	RIDGE	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	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 determines category, refer to official code list for sub-category descriptions.

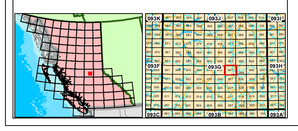
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects	R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

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
OPENING - PLANTING UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels

093G047