093G012

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093G012

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:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Fairies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ava/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
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

Line 1 - History Record Opening Number

cut - opening number valid for BCGS mapsheet
zcnt - 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 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
Hw	Western Hemlock
Hm	Mountain Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jsc	Scopulus Juniper
L	LARCH
Lt	Tamarack Larch
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine (Alpine)
Pp	Shore Pine (coastal)
Pw	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	White x Lutz
Sxs	Sitka x Lutz/sub hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Uf	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Black Cottonwood
Act	Balsam Poplar
Ax	Hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Rx	Pacific Madrone
E	BIRCH
Ea	Alaska Paper Birch
Ew	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Cascara
V	CHERRY
Vm	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vv	Sweet Cherry
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Barclay's)
Wr	Red Willow (Drummond's leaved)
Ws	Scouler's Willow
Wi	Sitka Willow (tea leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
Ue	Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Act	Balsam Cotton-Cottonwood
E	BIRCH
Ea	European Birch
Ep	Paper Birch (exotic)
Ey	Yellow Birch
C	CHERRY
Cv	Sweet Cherry
Y	CYPRESS
Yn	Nootka (Alaska) Cedar
Fd	FIR (Douglas)
Bb	Balsam Fir
Bg	Grand Fir
Bm	Shasta Red Fir
Bc	White Fir
L	LARCH
Le	Siberian Larch
Lk	Siberian Larch
M	MAPLE
Mb	Norway Maple
Mr	Norway/Sycamore Maple
Ms	Sycamore Maple
Q	OAK
Qe	English Oak
Qw	White Oak
	OTHER EXOTICS
Ce	Incense Cedar
Ch	Western Hemlock
Ot	*Cotet Redwood
Ow	European Mountain Ash
Ol	Siberian Elm (southern)
Of	Common Pear
Oc	Mountain Ash
Ok	*White Ash
Oj	*Shagbarck Hickory
Oa	Horsechestnut
Oj	Japanese Walnut
P	PINE
Pn	Austrianey Pine
Pr	Red Pine
Py	*Sugar 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 - 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

SI (in m) shown to 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

SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). It is denoted by a leash 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
- sl SHRUB - shrub with average shrub height > or = to two metres.
- su 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 hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)
- ap AIRPORT
- be BEACH
- bo BOULDERFIELD
- br BEDROCK
- bu BURNED AREA
- ex EXPOSED
- ss EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- lb LAKE BED
- li LANDING
- lk POND or LAKE SEDIMENTS
- mi MINE SITE
- mo MORAINE
- mu MUDFLAT SEDIMENT
- my RUBBLY MINE SPOILS
- ot OTHER
- sf OTHER
- pn SNOW COVER
- ri RIVER
- rs RIVER / STREAM
- rm RESERVOIR MARGIN
- rm RAILWAY SURFACE
- rn ROAD SURFACE
- ro ROAD SURFACE
- ta TALUS
- tz TAILINGS
- ur URBAN

Note: Water categories (la, ri, rs, rl) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)
- A ALPINE
- AF ALPINE FOREST /Species
- C CULTIVATED
- CL CLEARING
- G GRAVEL BAR
- GR GRAVEL PIT
- L LAKE
- M MEADOW
- MUD MUD FLAT
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST /Species
- NTA NO TYPING AVAILABLE
- OR OPEN RANGE
- R ROCK
- S SWAMP
- SAND SAND
- TOE TIDAL FLAT
- U URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NF NON FORESTED
- NSR NOT SUFFICIENTLY RESTOCKED
- NTA NO 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.

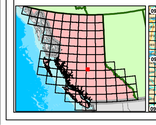
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mbe Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

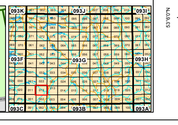
Example Opening History Details

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 -

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





Overflow Labels

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