Vegetation Map
103H058

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, 2015

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure 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 Ferries
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV_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:

OP ESS FdHw 28-30 3M1 0078

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 (Douglis 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 Descriptor)
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
OP - opening number valid for BCGS mapsheet
DEW - 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 Complex: 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
Hw	HEMLOCK
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
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine (pine)
Pwi	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Sitka x Engelmann
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Black Cottonwood
Ap	Balsam Poplar
Ah	Hybrid Poplars
R	ARBUTUS
E	BIRCH
Ea	Alaska Paper Birch
Ekp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
G	CASCARA
K	CEANOTHUS
Kc	Cascara
Kr	Redstem
Vs	Bitter Cherry
W	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wa	Bebb's Willow
Wb	Black Willow
Wp	Pacific Willow (Bebb's)
Wr	Pussy Willow (grey-leaved)
Ws	Scouler's Willow
Wh	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ue	Apple
A	ASPEN, COTTONWOOD or POPLAR
Ae	*Southern Cottonwood
Ab	Balsam
Ew	European Birch
Ek	Silver Birch (swamp)
Ey	*Yellow Birch
E	BIRCH
Ve	Sweet Cherry
Y	CYPRESS
Yp	*Monterey Cedar
F	FIR (Balsam)
Bb	*Bekam Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bs	Silver Fir
L	LARCH
Le	*Dahurian Larch
Lk	*Japanese Larch
M	MAPLE
Me	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
O	OAK
Oe	*English Oak
Ow	*White Oak
P	PINE - EXOTICS
Pe	*Insense Cedar
Pb	*Giant Sequoia
Pc	*Coast Redwood
Pw	European Mountain Ash
Pn	Japanese Mountain Ash
Pc	Common Pear
Py	Dragon Ash
Pi	*Ginkgo
Pc	*Shagbark Hickory
Pj	Tree-of-Heaven
Pk	Japanese Walnut
P	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*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
Site Index is the expected tree height 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 aren't present, e.g. young stands or bluffs). It is denoted by a slash which 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 TALL - shrub with average shrub height > or = to two metres.
- x SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h 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 MOSS
- bs BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)
- ar AIRPORT
- bl BARREN
- br BOCKFIELD
- bn BEDROCK
- cb CUTBANK A
- cl CUTBANK B
- ed EXPOSED SOILS
- gl GLACIER
- gr GRAVEL PIT
- la LAKE
- lb LAVA BED
- lt LANDING
- ms MINERAL LAKE SEDIMENTS
- on OPEN PIT MINE
- mr MORAINE
- mu MUSKEG
- mp RUBBISH MINE SPOILS
- oc OCEAN
- ot OTHER
- rc ROCK COVER
- rs RESERVOIR
- rr RIVER / STREAM
- rm RESERVOIR MARGIN
- rw RAILWAY SURFACE
- rv RIVER SEDIMENTS
- rd ROAD SURFACE
- sn SNOW
- tl TAILINGS
- ur URBAN

Note: Water categories (ie. ocs, re, rl) not labelled on 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)
- A ALPINE
- AF ALPINE FOREST (Spaces
- C CLIFF
- CL CLAY BANK
- G GRAVEL BAR
- GP GRAVEL PIT
- ICE ICEFIELD
- L LAKE
- MUD MUDFLAT
- NP NON-PRODUCTIVE
- NPBR NON-PRODUCTIVE BRUSH
- NPTR NON-PRODUCTIVE TREES
- NPSP NON-PRODUCTIVE FOREST (Species
- NTA NO TYPING AVAILABLE
- OR OPEN RANGE
- P HAYFIELD
- R ROCK
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON COMMERCIAL
- NSB NON-STOCKED BRUSH
- NSF NON-FOREST
- NSR NOT SUFFICIENTLY RESTOCKED
- NTA NO TYPING AVAILABLE

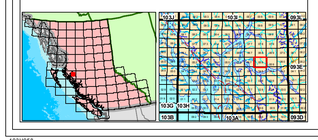
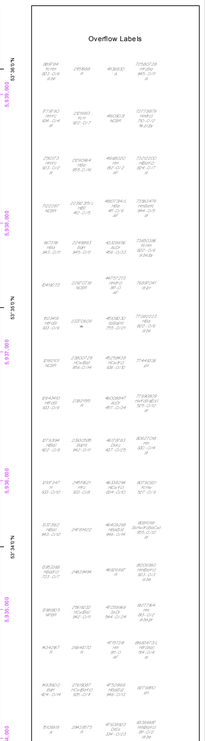
Line 6 - Disturbance History

Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates a 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 Mine 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 the new 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