092L047

Vegetation Map
092L047

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS / Ownership
Base Map Source: TRIM / Tantalis

This map is derived 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 displayed on this map conforms to data Categories, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend is dated June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airl Fairlies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolke/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource Distrct 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:

```
CC
BTC
FdPlAt
CC(7)
2436
0978
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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).
4 Site Index (SI) for the most important layer is described as Site Index (estimated SI)
ex. stand A age class 2 (21-40 yrs), height class 1 (0-10.4m), crown closure class 1 (6-10%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor):
ex: a fresh polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Coping Number

CC - opening number valid for BCGS mapsheet
2436 - 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 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
- H HEMLOCK
- Hw Western Hemlock
- Hwi 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)
- Plk Lodgepole Pine (coastal)
- Pxj Hybrid Jack Pine x Pine hybrid
- Pyc Ponderosa Pine (yellow)
- Pfc Shore Pine (coast)
- Pfi Shore Pine (interior)
- Pw Western White Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Sep Hybrid Spruce
- Sw White Spruce
- Sx Spruce hybrid
- Sxb Spruce hybrid White
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- T YEW
- Tw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- E APPLE
- Ep Pacific Crab Apple
- A ASPEN, COTTONWOOD or POPLAR
- Ac Poplar
- Act Balsam Poplar
- Acb Balsam Poplar
- Ax Hybrid Poplars
- At Trembling Aspen
- Ato Aspen Hybrid
- Ae Arbutus
- Z BIRCH
- Ep Paper Birch
- Ea Alaska x Paper Birch hybrid
- Ew Paper Birch (white)
- G DOGWOOD
- K CASCARA
- Kc Cascara
- V ELDER
- Vs Sitka Cherry
- Vc Choke Cherry
- Vp Pin Cherry
- Vv VIBURNUM
- Vb Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Mv Vine Maple
- O OAK
- Dg Garry Oak
- Q WILLOW
- Sh Bebb's Willow
- Wp Pacific Willow
- Wr Red Willow (Barclay's)
- Wy Pussy Willow (grey leaved)
- Ws Scouler's Willow
- Wyh Pussy Willow (hairy leaved)

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

EXOTICS
- E APPLE
- Ep Apple
- At ASPEN, COTTONWOOD or POPLAR
- Ae Aspen (Cottonwood)
- B BIRCH
- Be European Birch
- Bs Silver Birch (swamp)
- Bw Paper Birch
- C CHERRY
- Cs Sweet Cherry
- Cw Cherry
- Y Yinot Gilford Cedar
- F FIR (Balsam)
- Fa Amabilis Fir
- Fb Noble Fir
- Fbm *Shasta Red Fir
- Fg Grand Fir
- L LARCH
- Ld *Daharian Larch
- Ll European Larch
- M MAPLE
- Mr Box Elder
- Mn *Norway Maple
- Mp *Sycamore Maple
- O OAK
- Qb *English Oak
- Qr *Red Oak
- OTHER EXOTICS
- Ow *Incense Cedar
- Gs *Giant Sequoia
- Gw *Giant Redwood
- Gl European Mountain Ash
- Gt Siberian Elm (southern)
- Gp *Empress
- Gd Oregon Ash
- Gh *White Ash
- Gm *Manchurian Ashony
- Gj *Tree-of-Heaven
- Gk Japanese Walnut
- Gz Zelkova
- Pn *Norway Pine
- Pr *Red 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
All SI are shown to the nearest metre referenced at 50 years breast height age. SI may be estimated (E) from local yield or existing surveys. Where 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, deciduous, etc. SI is shown after the SI and 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
- s SHRUB - shrub with average shrub height > or = to two metres.
- w SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- H HERB - FORBS - herb with forbs > 50% of the herb cover.
- G HERB - GRAMINOIDS - 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 - MOSSES - bryoid with mosses, liverwort, and hornwort > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

NON VEGETATED
- r ROCK / RUBBLE
- w Rock / Rubble
- ii Snow / Ice

- ap AIRPORT
- be BEACH
- bl BOULDER
- bo BOULDERS
- bu BURNED AREA
- cu CUTBANK
- ed EXPOSED SOILS
- ge GRAVEL
- gl GRAVEL PIT
- lk LAKE
- lkb LAKE BED
- lkd LAKE DRY
- lk POND or LAKE SEDIMENTS
- mi MINE
- mi MORAINE
- mi MUDFLAT SEDIMENT
- mi RUBBLY MINE SPOILS
- oc OCEAN
- oc OTHER
- sn SNOW COVER
- ri RESERVOIR
- ri RIVER - STREAM
- rm RESERVOIR MARGIN
- rm RAILWAY SURFACE
- rm RIVER MARGIN
- rs ROAD SURFACE
- ta TALUS
- ta TAILINGS
- ur URBAN

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

- ALPINE
- ALPINE FOREST /Species
- CULTIVATED
- FOREST
- GRAVEL BAR
- GRAVEL PIT
- MEADOW
- MUDFLAT
- NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPFS NON PRODUCTIVE FOREST /Species
- NTA NO TYPING AVAILABLE
- OPEN RANGE
- RIVER
- ROCK
- SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NFOR NON FORESTED
- NOT SUITABLY 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 category, refer to official code list for sub-category descriptions.

- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Disease
- I Insects
- L Logging
- M Mine Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Human 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 Data" to turn on display values for :

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STAND BOUNDARY
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels

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