092M069

Vegetation Map
092M069

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, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GY3)
- Research Installations

TRIM. Base Features:
- 4x 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
- Hydro/Ice/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NVI 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 (> 1:500,000 ha - 15 % hatch)
- Municipal boundary (< 1:500,000 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:

02 E3 Fd Fd Hw 20 20 3M 0608

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 (Dougls 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 Last Treatment History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

02 - opening number valid for BCGS mapsheet
5539 - 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 Compsition: 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
- Ye Yellow Cedar
- Yc Yellow Cedar
- F DOUGLAS FIR
- Fd Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- B 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 Sawarde Juniper
- L LARCH
- La Alpine Larch
- Lt Tamarack
- Lw Western Larch
- P PINE
- Pa Alpine Pine
- Pf Limber Pine
- Pl Lodgepole Pine
- Plc Lodgepole Pine (interior)
- Pyl Lodgepole x Jack Pine hybrid
- Py Ponderosa Pine (yellow)
- Pw Shore Pine (coast)
- Pw Western White Pine
- Pxj Jack x Shore Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Ss Sitka Spruce
- Sw White Spruce
- Sxb Spruce hybrid
- Sxe Engelmann x White
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- Y YEW
- Yw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- Du Sitka Alder
- Up Pacific Crab Apple
- A ASPEN; COTTONWOOD or POPLAR
- Ac Poplar
- Act Balsam Poplar
- Acb Black Cottonwood
- Act Trembling Aspen
- Ax Hybrid Poplars
- At Trembling Aspen
- E ARBUTUS
- Em Arbutus
- Ep Arbutus
- Ea Alaska Paper Birch
- Eap Alaska x Paper Birch hybrid
- Ep Paper Birch (white)
- Er Red Birch
- K CASCARA
- Kc Cascara
- V VINE MAPLE
- Vc Bitter Cherry
- Vv Choke Cherry
- Vp Pin Cherry
- G DOGWOOD
- Gp Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Mv Vine Maple
- O WILLOW
- Og Garry Oak
- W WILLOW
- Wb Bebb's Willow
- Wp Pacific Willow
- Wx Peachleaf Willow (Barclay's)
- Ww Pussy Willow (gray-leaved)
- Wy Yellow Willow
- Ws Sitka Willow (low leaved)

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

EXOTICS
- U APPLE
- Ua Apple
- Ux PRUNUS; COTTONWOOD or POPLAR
- Ad *Southern Cottonwood
- BIRCH
- Ea *European Birch
- Ek Silver Birch (swamp)
- Ey *Yellow Birch
- CHERRY
- Ys Sweet Cherry
- CYPRESS
- Yo *Port Orford Cedar
- FIR (Balsam)
- Bb *Noble Fir
- Bg Noble Fir
- Bm *Shasta Red Fir
- Bs *Subalpine Fir
- LARCH
- Ld *Dahurian Larch
- Lk Dahurian Larch
- MAPLE
- Me Box Elder
- Mr *Norway Maple
- Ms *Sycamore Maple
- OAK
- Oa *English Oak
- Qw *White Oak
- OTHER EXOTICS
- Ox *Exotic Conifer
- Oh *Exotic Broadleaf
- Ot *Coast Redwood
- Oe European Mountain Ash
- Ou Japanese (Showy) Mountain Ash
- Ot Common Pear
- Og Oregon Ash
- Ow Black Walnut
- Ch *Shagbark Hickory
- Cj Tree-of-heaven
- Ck Japanese Walnut
- PINE
- Pm *Monterey Pine
- Pr *Red Pine
- Ps *Sugar Pine
- SPRUCE
- So *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 given 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
Site Association (ecological) code, if one cannot present, e.g. young stands (<30yrs). It 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 records)

NON-TREED SHRUB
- w SHRUB TALL - shrub with average shrub height > or = to two metres.
- u SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h HERB - herb with no distinction between forbs and graminoids.
- W HERB - FORBS - herb with forbs > 50% of the herb cover.
- g HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- b BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- m BRYOID - MOSS - bryoid with mosses > lichens by, and forming > 50% of the bryoid cover.
- l BRYOID - LICHENS - bryoid with lichens > moss by bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)
- ap AIRPORT
- b BARREN
- bl BLOCKFIELD
- bg BEDROCK
- cb CRUSHED AREA
- cl CUTBANK
- d EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- h HEATH
- l LAVA BED
- ll LANDING
- ms MUSKEG LAKE SEDIMENTS
- os OPEN PIT MINE
- rm MORAINE
- mp MUD FLAT SEDIMENT
- mr RUBBLY MINE SPOILS
- oc OCEAN
- ot OTHER
- rk ROCK COVER
- re RESERVOIR
- ri RIVER / STREAM
- rm RESERVOIR MARGIN
- rw RAILWAY SURFACE
- rs RIVER SEDIMENTS
- rd ROAD SURFACE
- s SNOW
- tl TAILINGS
- ur URBAN

Note: Water categories (ls, ss, re, ri) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)
- A ALPINE
- AF ALPINE FOREST /Species
- C CLIFF
- CL CLAY BANK
- G GRAVEL BAR
- GR GRAVEL PIT
- ICE ICEFIELD
- L LAKE/POND
- MUD MUD FLAT
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPF NON PRODUCTIVE FOREST
- NPFI 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
- NCBR NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NSR NON STOCKED, NATURALLY 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.

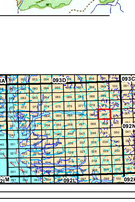
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mite Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

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 -

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



Overflow Labels

092M069