092K008

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092K008

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
- Soil/Terrain Opening in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

TRIM, Base Features:
- 4x Rural Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Aries
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aw/Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

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 (main 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

opening number valid for BCGS mapsheet — *nnnn* - opening number has not been assigned
L - Multi-layered stand (a separate description of each layer is available in the data base, i.e. 1,2)

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits

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 4.6 dataed January 2009.

NATIVE CONIFERS
- C CEDAR
- Cw Western Red Cedar
- Yc Yellow Cedar
- F DOUGLAS FIR
- Fd Coastal Douglas Fir
- Fdi Interior Douglas Fir
- Fdc Coastal Douglas Fir
- Ba Amabilis Fir
- Bg Grand Fir
- Bl SUBALPINE FIr (alpine)
- H HEMLOCK
- Hm Mountain Hemlock
- Hw Western Hemlock
- Hwm 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
- Plc Lodgepole Pine (coastal)
- Pli Lodgepole x Jack Pine hybrid
- Pli Lodgepole Pine (interior)
- Pla Shore Pine (coast)
- Pw Western White Pine
- Py Ponderosa Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Ss Sitka Spruce
- Sw White Spruce
- Sx Hybrid Spruce
- Sxe Engelmann x White
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- YEW
- Tw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- Dm Mountain
- Up Pacific Crab Apple
- A ASPEN, COTTONWOOD or POPLAR
- At Trembling
- Abp Balsam Poplar
- Act Black Cottonwood
- Ap Poplar (hybrid)
- Ah Trembling Aspen
- R ARBUTUS
- Mb BIG LEAF MAPLE
- B BIRCH
- Ea Alaska Paper Birch
- Ep Paper Birch (alaska) hybrid
- Ep2 Paper Birch (white)
- Ew Water Birch
- Ey Yellow Birch
- Ks Cascara
- V CHERRY
- Vf Fire Cherry
- Vi Choke Cherry
- Vp Pin Cherry
- Vs Bitter Cherry
- Qg Pacific Dogwood (western flowering)
- M MAPLE
- Mv Vine Maple (broadleaf)
- Mx Vine Maple
- Q Oak
- Qg Garry Oak
- W WILLOW
- Wb Bebb's Willow
- Wp Pacific Willow
- Ww Pacific Willow (Bentley's)
- Wr Pussy Willow (gray-leaved)
- Ws Sitka Willow
- Wy 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
- Ue APPLE
- ASPEN, COTTONWOOD or POPLAR
- Aw *Southern Cottonwood
- BIRCH
- Ee *European Birch
- Es Silver Birch (exams)
- Ey *Yellow Birch
- Ec CHERRY
- Ys Sweet Cherry
- CYPRESS
- Yn *Nootka Cedar
- Fdf (Eldarica)
- Jb *Balkam Fir
- Jc *Chinese
- Jm *Rocky Mtn. Juniper
- Lk *Siberian Larch
- Ld Larch
- Mm Box Elder
- Mr *Norway Maple
- Mp *Japanese Maple
- OAK
- Qe *English Oak
- Qr *Red Oak
- OTHER EXOTICS
- Ce *Incense Cedar
- Cp *Port Orford Cedar
- Ge *Coast Redwood
- Oa European Mountain Ash
- Oc *Caragana (Siberian)
- Oh Common Pear
- Oo Oregon Ash
- Op *Poplar
- Oh *Shagbark Hickory
- Oj Tree-of-heaven
- Ow *Japanese Walnut (Heartnut)
- Ps *Monterey Pine
- Pp *Scots Pine
- Pn *Austrian 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
Site index is the height in the nearest metre witnessed at 50 years Breast Height Age. It 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
Estimated site index is the site index for the current stand 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)
- ss SHRUB
- sa SHRUB TALL — shrub with average shrub height > or = to two metres.
- sl SHRUB LOW — shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB
- hf HERB - FORBS - herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOID
- bm BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover.
- bl BRYOID - LICHENS - bryoid with mosses, hornwrts, and hychwrts > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)
- ag AIRPORT
- bl BARREN
- bl BLOCKFIELD
- br BEDROCK
- ca CULTIVATED AREA
- cb CUTBANK
- es EXPOSED SOILS
- gl GLACIER
- gr GRAVEL PIT
- la LAKE
- la LAVA BED
- li LANDING
- mb MINE BASE SEDIMENTS
- mi OPEN PIT MINE
- mo MORAINE
- mu MUDFLAT SEDIMENT
- os OVERBURDEN SPOILS
- oc OCEAN
- ot OTHER
- rc ROCK COVER
- re RESERVOIR
- r RIVER / STREAM
- rm RESERVOIR MARGIN
- rs RIVER SEDIMENTS
- rs RIVER SEDIMENTS
- ur ROAD SURFACE
- sa SAND
- ta TAILINGS
- ur URBAN

Note: Water categories (la, oc, re, r) not labelled over 80 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)
- A ALPINE
- AF ALPINE FOREST (Species
- C CULTIVATED
- CL CLAY BANK
- G GRASS / HERB
- GR GRAVEL PIT
- KF KRUMMHOLZ
- KT KETTLES
- MUD MUD FLAT
- NFL NON-FOREST LIKELY
- NPBS NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPFL NON PRODUCTIVE FOREST (Species
- NPLA NON PRODUCTIVE
- OPN OPEN RANGE
- P PASTURE
- S SAND
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BROADLEAF BRUSH/TREED
- 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.

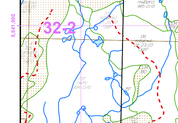
- A Animal Damage
- B Wildfire
- D Disease and Seed Insects
- G Grasses
- I Insects
- L Logging
- M Mite Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

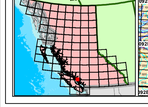
Example Opening History Details

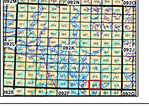
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thermal RESULTS data.

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
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels

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