093A027

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093A027

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
- Structure Opening in Vegetation
- Permanent Sample Plot (1ha)
- 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
- Hydrolns-Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 (> 1:250,000 ha - 15 % hatch)
- Municipal boundary (> 1:250,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Mapsheet Grid (1:25,000)

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
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 (2.1-10.4m), crown closure class 1 (6 -15%), SI 20m
5 Non-Vegetated and Non-Productive Descriptions
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

- - opening number valid for BCGS mapsheet
OVER - 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
- Cw Western Red Cedar
- Y CYPRESS
- Yc Yellow Cypress
- 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
- Hm Mountain Hemlock
- Hw Western Hemlock
- Hxm Hybrid Mountain Western Hemlock hybrid
- J JUNIPER
- Jr Rocky Mtn. Juniper
- Js Scopulorum Juniper
- L LARCH
- La Alpine Larch
- Lt Tamarack
- Lw Western Larch
- P PINE
- Pa White Pine
- Pl Lodgepole Pine
- Pli Lodgepole Pine (interior)
- Plc Lodgepole x Jack Pine hybrid
- Pj Ponderosa Pine (yellow)
- Pp Ponderosa Pine
- Pw Western White Pine
- Px Whitebark Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Sit Sitka Spruce
- Sw White Spruce
- Sx Spruce Hybrid
- Sxe Engelmann x White
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- YEW
- Tw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- U APPLE
- Ue Pacific Crab-Apple
- A ASPEN, COTTONWOOD or POPLAR
- Ac Poplar
- Act Black Cottonwood
- Acb Balsam Poplar
- At hybrid Poplars
- Ax Trembling Aspen
- E ARBUTUS
- Ea Arbutus
- Ep Pear
- Epa Alaska Paper Birch
- Epp Alaska x Paper Birch hybrid
- Ew Western Serviceberry
- Ep Paper Birch
- K CASCARA
- H DOGWOOD
- V LARGEY
- Vc Bitter Cherry
- Vm Black Cherry
- Vp Pin Cherry
- G OGOROCO
- M MAPLE (Japanese) (western flowering)
- Mb Bigleaf Maple (broadleaf)
- Mv Vine Maple
- O OAK
- Og Garry Oak
- Or Red Oak
- W WILLOW
- Wb Bebb's Willow
- Wp Peachleaf Willow
- Wpb Peachleaf Willow (Barrette's)
- Wy Pussy Willow (grey-leaved)
- Wr Red Willow
- Ws Sitka Willow (tea-leaved)

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

EXOTICS
- Ux EXOTIC
- Uxa Acacia
- Ax ASPEN, COTTONWOOD or POPLAR
- Axn Northern Cottonwood
- Bl BIRCH
- Be European Birch
- Bs Swedish (Betula)
- Ey *Yellow Birch
- C CHERRY
- Cs *Sweet Cherry
- Y CYPRESS
- Yo *Port Orford Cedar
- F FIR (Balsam)
- Bm *Balsam Fir
- Bp *Noble Fir
- Bn *Nordmann Fir
- Bv *White Fir
- L LARCH
- Le *European Larch
- Lk *Siberian Larch
- MAPLE
- Mr *Red Maple
- Mn *Norway Maple
- Mh *Sycamore Maple
- OAK
- Qa *English Oak
- Qw *White Oak
- Qn *Northern Pin Oak
- Qc *Chestnut Cedar
- Qb *Giant Sequoia
- Qe *Coast Redwood
- Qe European Mountain Ash
- Qs Scandinavian Mountain Ash
- Qf Common Pear
- Qg Oregon Ash
- Qa Green Ash
- Qh *Shagbark Hickory
- Qj Tree-of-heaven
- Qw *Butternut Walnut
- PINE
- Pn *Monterey Pine
- Pp *Scots Pine
- Py *Sugar 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 - 2.0
2	10.5 - 19.4
3	19.5 - 27.4
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 is an estimate of 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 established for leading species or stand is too SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren't present, e.g. young stands (<20yrs). 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
- S SHRUB TALL - shrub with average shrub height > or = to two metres.
- SL 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 gaminoids > 50% of the herb cover.

NON TREED BRYOID
- B BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, hornworts, and fruitmwrts > 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
- b BURNED
- br BLOCKFIELD
- br BEDROCK
- cl CLAY/ALLUVIA
- cr CUTBANK
- es EXPOSED SOILS
- ga GRAVEL
- gp GRAVEL PIT
- ice ICE
- la LAKE-BED
- li LANDING
- ms MINERAL SEDIMENTS
- ms OPEN PIT MINE
- mo MORAINE
- mu MUDFLAT SEDIMENT
- ro QUARRY, ROCK SPOIL
- oc OCEAN
- ot OTHER
- rd ROAD COVER
- re RESERVOIR
- r RIVER / STREAM

Note: Water categories (la, oc, re, r) not labelled over 50 percent coverage.

- rm RESERVOIR MARGIN
- rr RAILWAY SURFACE
- rs RIVER SEDIMENTS
- rs ROAD SURFACE
- s SAND
- ta TALUVIUS
- ur URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)
- AF ALPINE FOREST
- AT ALPINE FOREST (Species)
- C CULTIVATED
- G GRASSLAND
- GR GRAVEL BAR
- GR GRAVEL PIT
- M MEADOW
- M MEADOW
- MUD MUDFLAT
- NPBR NON PRODUCTIVE BRUSH
- NPBS NON PRODUCTIVE BURN
- NPTA NON PRODUCTIVE FOREST (Species
- NC NO TYPING AVAILABLE
- OR OPEN RANGE
- R ROCK
- R ROCK
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- WR NON COMMERCIAL
- WSHR NON COMMERCIAL BRUSH
- NSR NOT SUFFORDNY
- NSR NOT SUFFORDNY / 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, Insects
- L Logging
- M Mite Damage
- N Non-Biological Injuries
- P Cone and Seeding Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown.
- V Problem Vegetation

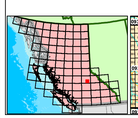
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of Internet 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
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels

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