093L018

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093L018

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, 2018

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (SIYB)
- 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
- Hydro/Aer/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 - 10 % 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 Forest Cover Polygon 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 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (1.1-10.4m), 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 than 2m.
6 Disturbance History & year - ex: Logged in 1970

Line 1 - History Record Opening Number

xxxx - opening number valid for BCGW mapsheet 0000 - 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
Cy	CYPRESS
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
Hwm	Mountain x 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	Alpine Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pwa	Western White Pine
Pw	Whitebark Pine
Pxj	Jack Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Englemann Spruce
Sw	White Spruce
Sx	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
Ue	Paudrs Crick Alpine
A	ASPEN; COTTONWOOD or POPLAR
At	Trembling Aspen
Ate	Eastern Poplar
Atd	Black Cottonwood
Ath	Balsam Poplars
Ax	Trembling Aspen
B	ARBUTUS
Bp	Paper Birch
E	ALDER
Ea	Alaska Paper Birch
Eal	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
Kd	Cascara
V	Other Cherry
Vb	Choke Cherry
Vc	Pin Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
Q	OAK (white)
Wi	Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bankby's)
Ww	Fussy Willow (gray-leaved)
Wy	Scouler's Willow
Wf	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xl	unknown softhw
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ux	APPLE
	Apple
Ad	BALSAM; COTTONWOOD or POPLAR
Ad	"Southern Cottonwood
	BIRCH
Ea	"European Birch
Es	Silver Birch (swamp)
Ey	"Yellow Birch
	CHERRY
Ys	Sweet Cherry
	CYPRESS
Yo	"Japanese Cedar
	FIR (grand)
Bb	"Balsam Fir
Bn	Nobis Fir
Bm	"Shasta Red Fir
Bs	"White Fir
	LARCH
Ld	"Dahurian Larch
Le	"European Larch
	MAPLE
Mr	Box Elder
Mr	"Norway Maple
Ms	"Sycamore Maple
	OAK
Oe	"English Oak
Oe	"White Oak
Op	"Pin/Scarlet/COCS
Ob	"Incense Cedar
Ob	"Giant Sequoia
Oc	"Monterey Cypress
Od	European Mountain Ash
Ow	Siberian Elm (southern)
Ow	Common Pear
Og	Oregon Ash
Oh	Horsechestnut
Oj	"Shagbarck Hickory
Oj	Tree-of-Heaven
Ow	"Japanese Walnut
	PINE
Pm	"Monterey Pine
Pn	"Austrian 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
Site Index is 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 either, or replaces the SI.

4e. ESTIMATED SI000
SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). It is denoted by a stash 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 SHRUBS
- w SHRUB TALL - shrub with average shrub height > or = to two metres.
- w SHRUB LOW - shrub with average shrub height < two metres.

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

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

NON VEGETATED
- el Exposed Land
- rc Rock / Rubble
- si Snow / Ice

NON VEGETATED CATEGORIES: (for X and I records)
- ap AIRPORT
- be BEACH
- bl BLOCKFIELD
- bu BUILT-UP
- bu BURNED AREA
- cb CUTBANK
- dy DYKES/DIKES
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- la LAVA BED
- pd POND
- pd POND w/ LAKE SEDIMENTS
- po OPEN PIT MINE
- rm MORAINE
- mu MUDFLAT SEDIMENT
- ru RUBBLE/ MINE SPOILS
- oc OCEAN
- rc ROCK
- sn SNOW COVER
- re RESERVOIR
- st STREAM
- rm RESERVOIR MARGIN
- rm RAILWAY SURFACE
- rs RIVER SEDIMENTS
- rs ROAD SURFACE
- ta TALUS
- tr TAILINGS
- ta TERRACE

Note: Water categories (la, re, rs, st) not attended over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)
- A ALPINE
- AF ALPINE FOREST (Species)
- C CLIFF/BLUFF
- CL CLAY BANK
- G GRAVEL BAR
- ICE ICEFIELD
- ICE ICEFIELD
- M MEADOW
- MUD MUDFLAT
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPCL NON PRODUCTIVE CLOSED
- NPF NON PRODUCTIVE FOREST (Species)
- NTA NO TYPING AVAILABLE
- OMB OMBROTROPHIC
- P PASTURE
- R ROCK
- SAND SAND
- SAND SAND
- TIDE TIDAL FLAT
- URBAN URBAN

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

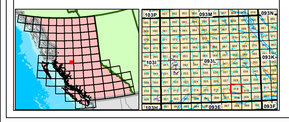
- A Animal Damage
- B Wildlife
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mite Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

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 "Query" 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 STREET COVER
WILDLIFE TREE PATCH



Overflow Labels

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