093I029

Vegetation Map
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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 display on a standard computer screen or printer. Labels and features are generalized to fit the scale. 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 (CFSI)
- 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
- Hydr/Non-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 - 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:

C-27 / 0784 / Fd/Hw / 1m,3f / 1982 / CC78

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 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

C-27 - opening number valid for BCGS mapsheet D236 - 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 dataset January 2009.

NATIVE CONIFERS
- CE EDAR
- Cw Western Red Cedar
- Y CYPRESS
- Yc Yellow-cedar
- F DOUGLAS FIR
- Fd Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- Ba 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 Sealskin Juniper
- L LARCH
- La Alpine Larch
- Lt Tamarack
- Lw Western Larch
- P PINE
- Pj Jack Pine
- Pl Lodgepole Pine
- Pli Lodgepole Pine (interior)
- Plg Lodgepole x Jack Pine hybrid
- Py Ponderosa Pine (yellow)
- Pa Whitebark Pine
- Pw Western White Pine
- Pa Whitebark Pine
- Sx SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Ss Sitka Spruce
- Sw White Spruce
- Sxe Engelmann x White
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- T YEW
- Tw Western Yew

NATIVE HARDWOODS
- D Deciduous
- Dr Red Alder
- U APPLE
- Up Pacific Crab-Apple
- A ASPEN, COTTONWOOD or POPLAR
- At Trembling Aspen
- Act Balsam Poplar
- Ad Black Cottonwood
- Ah Black Cottonwood hybrid
- Ax Trembling Aspen
- B ARBUTUS
- Bp Arbutus
- E BIRCH
- Ew Alaska Paper Birch
- Ewp Alaska x Paper Birch hybrid
- Ep Paper Birch (white)
- Ew Water Birch
- K CASCARA
- Kc Cascara
- M MAPLE
- Vb Bitter Cherry
- Vv Choke Cherry
- W WILLOW
- D DOGWOOD
- Dp Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Mv Vine Maple
- O OAK
- Og Garry Oak
- W WILLOW
- Wb Bebb's Willow
- Wp Pacific Willow
- Wr Peachleaf Willow (Bartzia's)
- Ww Pussy Willow (gray-leaved)
- Wy Scouler's Willow
- Wf Sitka Willow (fire-leaved)

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

EXOTICS
- Ue EXOTIC
- Uea ASPEN, COTTONWOOD or POPLAR
- Aa *Southern Cottonwood
- Ei BIRCH
- Ej *Japanese Birch
- Ez Silver Birch (swamp)
- Ey *Yellow Birch
- Ec CHERRY
- Cs *Sweet Cherry
- Yc CYPRESS
- Ycn *Nod Orford Cedar
- Lx FIR (Balsam)
- Lxa *Balsam Fir
- Bm Noble Fir
- Bn *Shasta Red Fir
- Bs *White Fir
- Le LARCH
- Lej *Dahurian Larch
- Lek *European Larch
- Um MAPLE
- Ub Box Elder
- Ue *Norway Maple
- Um *Sycamore Maple
- Oq OAK
- Oqa *English Oak
- Oqw *White Oak
- Ox OTHER EXOTICS
- Ot *Incense Cedar
- Og *Giant Sequoia
- Oh *Western Hemlock
- Oj European Mountain Ash
- Ow Siberian Elm (southern)
- Op Common Pear
- Og Oregon Ash
- Ou Black Locust
- Or *Roughbark Hickory
- Ot Tree-of-heaven
- Ow *Japanese Walnut
- Pm PINE
- Pm *Monterey Pine
- Pr *Red Pine
- Pys *Sugar Pine
- Pw *White Pine
- 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 based on 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
SI is estimated when site index is not present, e.g. young stands (<50yrs). 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-TREED CATEGORIES *(for V and I records)*

NON-TREED SHRUB
- sl 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
- by BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwots, and hornworts > 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	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ar	ROCK	ic	ICE	mv	RESERVOIR MINING SPOILS
br	BLOCKFIELD	la	LAVA BED	oc	OCEAN
br	BEDROCK	lf	LANDING	or	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
cl	CULTIVATED SOILS	mo	MORAINE	st	STREAM SEDIMENT
gl	GLACIER				

NON VEGETATED
- al Exposed Land
- br Rock / Rubble
- w Snow / Ice

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

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES *(for F records)*

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
F	FOREST (Species)	NPN	NON PRODUCTIVE NOT AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE/RIVER	R	ROCK	NPR	NOT SUITABLE/SENSITIVE RESTOCKED
MUD	MUD FLAT	S	SWAMP	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	L	Logging
B	Wildfire	M	Mite Damage
C	Insect and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

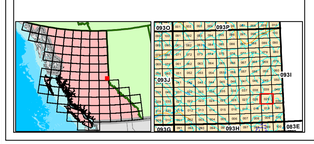
Example Opening History Details

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
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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