082J074

Vegetation Map
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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 (CVS)
- Research Installations

TRIM_Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkdkdbarriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- KTLNRO Region boundary
- Resource District boundary - FADM
- MU 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) - no 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
ex. the most important layer is described as Fd (Douglir Fir) and Hw (Western Hemlock).
4. Age_Height_Crown Closure Class Code - separator Site Index / estimated SI
5. Vegetated Density Class (or Non-Forest/Productive Descriptor) - crown closure class 1 (6-15%), S120m
6. Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
7. Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

0001 - opening number valid for BCGS mapsheet 0001# - 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
Y	CYPRESS
Yc	Yellow Cedar
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)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulus Juniper
L	LARCH
Lt	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Interior Pine
Plk	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Sx	White
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
At	Trembling Aspen
Ax	Hybrid Poplars
Al	Trembling Aspen
Ax	Hybrid Poplars
Ae	Alkaline
E	BIRCH
Ep	Alaska Paper Birch
Epx	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
C	Cascara
Cc	other conifer
Cc	other conifer
Dc	other hardwood
Dc	other hardwood

EXOTICS

Ue	APPLE
	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ae	*Aspen
Ea	European Birch
Ek	Silver Birch (exotic)
Ep	*Poplar hybrid
E	CHERRY
Ys	Sweet Cherry
Y	*Bird Cherry
Yp	*Pin/ Choke Cherie
	FIR (Balsam)
Bb	*Balkan Fir
Bc	Noble Fir
Bm	*Shasta Red Fir
Bn	*White Fir
L	LARCH
Ld	*Daurian Larch
Ld	*European Larch
M	MAPLE
Me	Bee Elder
Mr	*Norway Maple
Mp	*Sycamore Maple
O	OAK
Oa	*English Oak
Or	*Red Oak
	PINE EXOTICS
Ca	*Incense Cedar
Cn	*Giant Sequoia
Cs	*Coast Redwood
Ge	European Mountain Ash
Gk	Siberian Elm (southern)
Gn	Scots Elm
Gg	Oregon Ash
Gn	*White Ash
H	HICKORY or Hickory
Q	Tree of Heaven
Qk	Japanese Walnut
P	PINE
Pn	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
S	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)
1	0 - 5
2	6 - 15
3	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 index 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 actual SI cannot be obtained from age and height estimated SI is shown after an asterisk (e.g. 25*).

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. young stands (<20yrs). It is denoted by a dash which always precedes it and is never used in the data base as inventory type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES - (for V and I records)

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

NON-TREED HERB
- fw HERB - with no distinction between forbs and graminoids.
- hf HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - 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, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens >50% of the bryoid cover.

NON VEGETATED
- ar Exposed Land
- ru Rock / Rubble
- w Water / Ice

NON-VEGETATED CATEGORIES - (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT
br	BEACH	l	LAKE
bl	BLASTED FIELD	ld	LANDFILL
br	BEDROCK	lr	LANDING
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS
cl	CUTBANK	mn	OPEN PIT MINE
dt	DEBRIS TALUS	mw	MORAINE
gl	GLACIER	mu	MUDFLAT SEDIMENT
		mt	MUNICIPAL MINE SPOILS
		oc	OCEAN
		oi	OTHER
		pc	SNOW COVER
		rk	ROCK
		r	RIVER / STREAM
		rm	RESERVOIR MARGIN
		rs	RESERVOIR SPOILS
		rv	RIVER SEDIMENTS
		rz	ROAD SURFACE
		s	SAND
		tl	TALUS
		u	URBAN

Note - Water categories (ie. ou, rv, l) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for E records)

A	ALPINE	NP	NON-PRODUCTIVE
AT	ALPINE TUNDRA (Species	NPBR	NON-PRODUCTIVE BRUSH
B	BARE SOIL	NPCL	NON-PRODUCTIVE CLOSED
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
H	HERBACEOUS	OP	OPEN TREES
ICE	ICEFIELD	PT	PEAT BOG
M	MEADOW	R	ROCK
MDF	MUDFLOW/FLAT	S	SWAMP
		SAND	SAND
		TIDE	TIDAL FLAT
		U	URBAN
		NC	NON COMMERCIAL
		NPBR	NON-PRODUCTIVE BRUSH
		NP	NON PRODUCTIVE
		NSR	NOT SUFFICIENTLY RESTOCKED
		NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Silviculture 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.

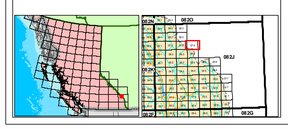
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mkt Damage
- N Non-Biological Injuries
- P Cone and Seeding Fungal Pathogens
- R Site Rehabilitation
- S Silviculture Treatment
- U Damage Unknown
- V Problem Vegetation

Example Opening History Details

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



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