103I010

Vegetation Map
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BRITISH COLUMBIA
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 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 or Vegetation
- Permanent Sample Plot (CFS)
- 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/Aa/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:

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Cut1
E01y
Fd7 Hw3
Pl6 Sx1
Rg28
Gd2d
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LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex: a two storied dominant 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 Description)
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

Cut - opening number valid for BCGS mapsheet Dopx - 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		NATIVE HARDWOODS		EXOTICS	
C	CEDAR	D	ALDER	Ua	APPLE
Cw	Western Red Cedar	Dr	Red Alder		ASPEN, COTTONWOOD or POPLAR
Y	CYPRESS	U	APPLE	Ad	*Southern Cottonwood
Yc	Yellow Cedar	Ua	Pacific Crab Apple		(Balsam)
F	FIR (Balsam)	A	ASPEN, COTTONWOOD or POPLAR	Ea	*European Birch
Fd	Douglas Fir	Ac	Aspen	Ep	Silver Birch (swamp)
Fdc	Coastal Douglas Fir	Act	Balsam Poplar	Ey	*Yellow Birch
Fdi	Interior Douglas Fir	Acb	Black Cottonwood		CHERRY
B	FIR (Balsam)	Ax	hybrid Poplars	Ys	*Sargent Cherry
Bl	Subalpine Fir	At	Trembling Aspen		CYPRESS
Bg	Grand Fir	E	ARBUTUS	Yp	*Port Orford Cedar
Bl	Subalpine Fir (alpine)	Ra	Arbutus		FIR (Balsam)
H	HEMLOCK	B	BIRCH	Bs	*Balsam Fir
Hw	Western Hemlock	Ea	Alaska Paper Birch	Bn	*Nikko Fir
Hwm	Mountain x Western Hemlock hybrid	Ep	Paper Birch (white)	Bm	*Shasta Red Fir
J	JUNIPER	Ew	Water Birch	Bc	*White Fir
Jr	Rocky Mt. Juniper	K	CASCARA		LARCH
Js	Sealskin Juniper	Kc	Cascara	Lt	*Tamarack Larch
L	LARCH	V	CHERRY	Ls	*Subalpine Larch
La	Alpine Larch	Vb	Bitter Cherry		MAPLE
Lt	Tamarack	Vv	Choke Cherry	Me	Box Elder
Lw	Western Larch	Vm	Mazzard Cherry	Mb	Bigleaf Maple
P	PINE		DOGWOOD	Ms	*Sycamore Maple
Pj	Jack Pine	Gp	Pacific Dogwood (western flowering)		OAK
Pf	Limber Pine		MAPLE	Qr	*English Oak
Pl	Lodgepole Pine	Mb	Bigleaf Maple (broadleaf)	Qw	*White Oak
Plc	Lodgepole Pine (interior)	Ms	Sycamore Maple		OTHER EXOTICS
Pyj	Lodgepole x Jack Pine hybrid		OAK	Ox	*Incense Cedar
Py	Ponderosa Pine (yellow)	Dg	Garry Oak	Qb	*Giant Sequoia
Pp	Ponderosa Pine		WILLOW	Qc	*Coast Redwood
Pw	Western White Pine	Wb	Bebb's Willow	Qd	European Mountain Ash
Pa	Whitebark Pine	Wc	Black Cottonwood	Qf	Common Alder (southern)
	SPRUCE	Wa	Peachleaf Willow (Banby's)	Qf	Common Pear
Sb	Black Spruce	Ww	Pussy Willow (gray-leaved)	Qg	Oregon Ash
Se	Engelmann Spruce	Wp	Pacific Willow	Qn	Norway Maple
Sx	Sitka Spruce	Wt	Sitka Willow (tea-leaved)	Qi	*Shagbark Hickory
Sw	White Spruce			Oj	Tree-of-heaven
Sxe	Spruce hybrid		**UNKNOWN - OTHER**	Ok	Japanese Walnut
Sxe	Engelmann x White	X	UNKNOWN		PINE
Sxl	Sitka x White	Xc	unknown conifer	Pm	*Monterey Pine
Sxs	Sitka x unknown hybrid	Xh	unknown hardwood	Pr	*Red Pine
T	YEW	Z	OTHER (tree not on list)	Ps	*Sugar Pine
Tw	Western Yew	Zc	other conifer		SPRUCE
		Zh	other hardwood	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
All SI are shown 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 after, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aremnt 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-TREE CATEGORIES (for V and I records)

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

NON-TREED HERB
- he 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOIDS - 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 CATEGORIES (for V and I records)

- ap AIRPORT
- be BEACH
- bl BURNFIELD
- br BEDROCK
- bu BURNED AREA
- cb CUTBANK
- ea EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- lk LAKE BED
- li LANDING
- lo POND or LAKE SEDIMENTS
- mi OPEN PIT MINE
- mo MORAINE
- mu MUDFLAT SEDIMENT
- mz RUBBLY MINE SPOILS
- oc OCEAN
- ot OTHER
- pn SNOW COVER
- re RESERVOIR
- ri RIVER / STREAM
- rm RESERVOIR MARGIN
- rn RAILWAY SURFACE
- ro ROAD SURFACE
- rz ROAD SURFACE
- ta TALUS
- tz TAILINGS
- ur URBAN

Note: Water categories (la, oc, re, ri) not labelled over 90 percent coverage.

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

- AF ALPINE FOREST (Species)
- C CULTIVATED
- CL CLAY BANK
- G GRAVEL BAR
- I ICEFIELD
- ICE ICEFIELD
- M MEADOW
- MUD MUD FLAT
- NPBS NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST (Species
- NTA NO TYPING AVAILABLE
- OR OPEN RANGE
- P PARKFIELD
- R ROCK
- 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

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.

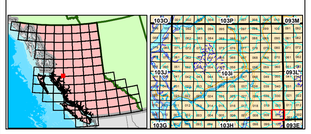
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mite Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

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 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



Overflow Labels