103A097

Vegetation Map
103A097

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source : MFLNRO - VRMS / 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
- Non-tree Opening in Vegetation
- Permanent Sample Plot (GVS)
- Research Installations

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x Pipelines
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - 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 (< 1,000,000 ha - 15 % fabric)
- Municipal boundary (> 1,000,000 ha) - no fabric)
- 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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    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: a stand is 120 years (2) (41-60 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-10%), 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

Fd Hw
41-60
20 - 20
Mat
Cc78
```

Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet *zzzx* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
A - 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	Ag	Agriculture
Cw	Western Red Cedar	Dr	Red Alder	Ap	Apple
Y	CYPRESS	U	APPLE	Ap	ASPEN, COTTONWOOD or POPLAR
Yc	Yellow Cedar	A	APPLE, Crab Apple	Ax	Hybrid Cottonwood
F	DOUGLAS FIR	Ac	ASPEN, COTTONWOOD or POPLAR	Bb	Birch
Fd	Douglas Fir	Ac	Poplar	Be	European Birch
Fdc	Coastal Douglas Fir	Act	Balsam Poplar	Ek	Silver Birch (swamp)
Fdi	Interior Douglas Fir	Act	Black Cottonwood	Ey	Yellow Birch
H	HEMLOCK	At	Trembling Aspen	E	ELM
Ba	Amabilis Fir	At	Trembling Aspen	Vs	Sweet Cherry
Bg	Grand Fir	R	ARBUTUS	Y	CYPRESS
Bl	Subalpine Fir (alpine)	E	BIRCH	Yc	Yellow Cedar
Hw	HEMLOCK	E	BIRCH	Ff	Fir (Balsam)
Hm	Mountain Hemlock	Ea	Alaska Paper Birch	Bb	Balsam Fir
Hmh	Mountain x Western Hemlock hybrid	Ep	Paper Birch (hybrid)	Bg	Grand Fir
Hwh	Mountain x Western Hemlock hybrid	Ep	Paper Birch (white)	Bm	Whitebark Fir
J	JUNIPER	Ew	Water Birch	Bl	White Fir
Jr	Rocky Mtn. Juniper	K	CASCARA	L	LARCH
Js	Creeping Juniper	Kc	Cascara	Lt	Tamarack Larch
L	LARCH	Kp	Cascara	Ll	Subalpine Larch
La	Alpine Larch	Vb	Bitter Cherry	M	MAPLE
Lt	Tamarack	Vv	Choke Cherry	Mb	Box Elder
Ll	Subalpine Larch	Vs	Sweet Cherry	Mg	Bigleaf Maple
P	PINE	D	DOGWOOD	Mk	Sycamore Maple
Pj	Jack Pine	Dp	Pacific Dogwood (western flowering)	O	OAK
Pl	Lodgepole Pine	Dr	Red Osier	Oa	Garry Oak
Plc	Lodgepole Pine (coastal)	Mk	Bigleaf Maple (sycamore)	Or	White Oak
Pli	Lodgepole Pine (interior)	Mv	Vine Maple		OTHER EXOTICS
Plx	Lodgepole x Jack Pine hybrid	Q	OAK	Ce	Incense Cedar
Pp	Ponderosa Pine (yellow)	Qg	Garry Oak	Cs	Giant Sequoia
Pw	Western White Pine	W	WILLOW	Cw	Western Redcedar
Pw	Western White Pine	Wb	Bebb's Willow	Ep	European Mountain Ash
Pw	Whitebark Pine	Wp	Pacific Willow	Ow	Siberian Elm (southern)
S	SPRUCE	Wp	Pacific Willow (Barclay's)	Oc	Oregon Ash
Sb	Black Spruce	Wr	Peach-leaf Willow (arctic)	Oo	Oregon Ash
Se	Engelmann Spruce	Ws	Scouler's Willow	Ow	White Ash
Sw	Sitka Spruce	Wt	Sitka Willow (low-level)	P	POPLAR
Sw	White Spruce			Pa	Poplar
Sxe	Engelmann x White			Pb	Balsam Poplar
Sxl	Sitka x White			Pt	Trembling Aspen
Sxw	White x Engelmann hybrid			Q	OAK
Y	YEW			Qg	Garry Oak
Yp	Western Yew			Qr	Red Oak
				Qw	White Oak
				S	SPRUCE

UNKNOWN - OTHER	
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree size but)
Zc	other conifer
Zh	other hardwood

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 - 16.4
3	16.5 - 26.4
4	26.5 - 37.4
5	37.5 - 48.4
6	46.5 - 53.4
7	55.5 - 64.4
8	65.5 *

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

All SI are shown to the nearest metre whenever a 50 years breast height age 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 cannot present, e.g. young stands (<30yrs). It is decided by a stand which always generated 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 - shrub with average shrub height > or = to two metres.
- d DWARF SHRUB - shrub with average shrub height < two metres.

NON-TREED HERB
- h HERB - herb with no distinction between forbs and graminoids.
- H HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 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, liverwrts, and hornwrts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of bryoid cover.

NON-VEGETATED
- r ROCK - Rock
- rr Rock / Rubble
- w Snow / Ice

NON-VEGETATED CATEGORIES (for Y and I records)

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	la	LAKE	mp	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lk	LAKE BED	oc	OCEAN
bu	BUILT-UP	lg	LAKE GRAVEL	rs	ROCK SURFACE
bz	BURNED AREA	p	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
ds	DISTURBED SOILS	mn	MORAINE	rv	RIVER / STREAM
e	GLACIER				

Note: Water categories may not exist at the 1:20,000 scale and may not exist as stated due to minimum polygon size and/or percent coverage.

rm	RESERVOIR MARGIN				
rm	RAILWAY SURFACE				
rs	RIVER SEDIMENTS				
rs	ROCK SURFACE				
t	TALUS				
b	TALUSES				
ur	URBAN				

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I 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		
CR	CROP, Hay, Pasture	OF	OPEN FOREST-TALLS	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LOW BRUSH	R	ROCK	NSR	NOT SATISFACTORILY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NYA	NOT YYING 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.

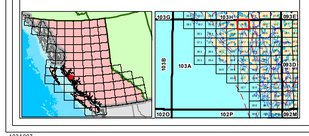
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

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



Overflow Labels

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