094P031

Vegetation Map
094P031

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
- Siviculture Opening in 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/Arv/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RIV 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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  1
 O 2
 E3 4
 F4Fd 5
 PH 6
 NLD 7
 CD 8
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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 (Dougals 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 Opeing Number

0001 - opening number valid for BCGS mapsheet *0099* - 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 dataed January 2009.

NATIVE CONIFERS		NATIVE HARDWOODS		EXOTICS	
C	CEDAR	D	ALDER		APPLE
Cw	Western Red Cedar	Dr	Red Alder	Ua	Apple
Y	CYPRESS	U	APPLE		ASPEN, COTTONWOOD or POPLAR
Yc	Nootka Cypress	U	Pacific Crab Apple	Ad	Northern Cottonwood
F	DOUGLAS FIR	A	ASPEN, COTTONWOOD or POPLAR		BIRCH
Fd	Douglas Fir	At	Poplar	Ea	European Birch
Fdc	Coastal Douglas Fir	Act	Balsam Poplar	Es	Silver Birch (swamp)
Fdi	Interior Douglas Fir	Ad	Black Cottonwood	Ey	*Yellow Birch
B	FIR (Balsam)	Ax	hybrid Poplars		CHERRY
Ba	Amabilis Fir	At	Trembling Aspen	Vs	Sweet Cherry
Bg	Grand Fir	Ac	Black Poplar		CYPRESS
Bl	Subalpine Fir (alpine)	Ra	Arbutus	Yp	*Port Orford Cedar
H	HEMLOCK	E	BIRCH		FIR (Balsam)
Hm	Mountain Hemlock	Ea	Alaska Paper Birch	Bb	Noble Fir
Hw	Western Hemlock	Eap	Alaska x Paper Birch hybrid	Bp	Pacific Silver Fir
Hxm	Hybrid (Western Hemlock hybrid	Ew	Water Birch (white)	Bm	*White Fir
J	JUNIPER	Ew	Water Birch		LARCH
Jr	Rocky Mtn. Juniper	K	CASCARA	Lt	*Siberian Larch
Jh	Juniper Juniper	Kc	Cascara	Ld	*Dahurian Larch
L	LARCH	V	CHERRY	Lk	*Siberian Larch
La	Alpine Larch	Vm	Mazzard Cherry		MAPLE
Lt	Tamarack	Vv	Choke Cherry	Ma	Box Elder
Lw	Western Larch	Vp	Pin Cherry	Mh	*Norway Maple
P	PINE	D	DOGWOOD	Mb	*Sycamore Maple
Pj	Jack Pine	Dp	Pacific Dogwood (western flowering)		OAK
Pl	Limber Pine	Dr	Red Osier	Qe	*English Oak
Pli	Lodgepole Pine	Mb	Bigleaf Maple (broadleaf)	Qw	*White Oak
Plc	Lodgepole Pine (coastal)	Mv	Vine Maple		OTHER EXOTICS
Pli	Lodgepole Pine (interior) hybrid	M	MAPLE	Ge	*Ginkgo Biloba
Py	Ponderosa Pine (yellow)	Qg	Garry Oak	Oa	*Black Locust
Pc	Shore Pine (coast)	W	WILLOW	Oc	*Coast Redwood
Pw	Western White Pine	Wb	Bebb's Willow	Oe	European Mountain Ash
Pa	Whitebark Pine	Wp	Pacific Willow	Ow	Siberian Elm (southern)
Pf	Limber Pine	Wr	Red Willow (Barclay's)	Oh	*Common Horse
Sb	Black Spruce	Ww	Pussy Willow (gray-haired)	Og	Oregon Ash
Se	Engelmann Spruce	Ws	Scouler's Willow	Ow	*White Ash
Ss	Sitka Spruce	Wf	Silka Willow (tea-leaved)	Oi	*Shagbark Hickory
Sx	White Spruce		**UNKNOWN - OTHER**	Oj	Tree-of-Heaven
Sxw	Hybrid White	X	UNKNOWN	Ok	*Japanese Walnut
Sxe	Engelmann x White	Xc	unknown conifer		PINE
Sxl	Sitka x White	Xu	unknown hardwood	Pm	*Monterey Pine
Sxs	Sitka x unknown hybrid	Xh	unknown broadleaf	Pn	*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 dominant trees , wherever 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 aannot present, e.g. young stands (<30yrs). 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 l record's)*

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

NON-TREED HERB
- hg 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 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
- r Rock / Land
- ru Rock - Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES *(for 'V and l record's)*

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	my	RUBBLY MINE SPOILS
cb	CUTBANK	ld	LANDFILL	ot	OTHER
br	BEDROCK	li	LAGOON	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	pn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM
gl	GLACIER				

rm - RESERVOIR MARGIN
rn - RAILWAY SURFACE
rp - ROAD PAVEMENT
rr - ROAD SURFACE
ta - TALUS
tl - TALUSUS
ur - URBAN

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

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES *(for 'l' record's)*

A	ALPINE	NPBR	NON PRODUCTIVE BRUSH	SAND	SAND
C	CUTBANK	NPBU	NON PRODUCTIVE BURN	TIDE	TIDAL FLAT
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species	U	URBAN
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE		
H	HERBACEOUS	OR	OPEN RANGE	NC	NON COMMERCIAL
ICE	ICEFIELD	OT	OTHER	NFBR	NON FOREST BRUSH
M	MEADOW	R	ROCK	NP	NON PRODUCTIVE
MUD	MUD FLAT	S	SWAMP	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.

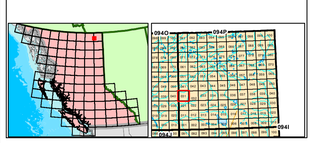
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMP 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

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