094L008

Vegetation Map
094L008

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 in Vegetation
- Permanent Sample Plot (GYS)
- 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
- HydroNavBarriers - 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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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
```

O12 E3/1 Fd*Hw 21-20 Nr2 D78

Line 1 - History Record Opening Number

O12 - opening number valid for BCGS mapsheet 0pnX - 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 Compsition: 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 Cedar	Up	Pacific Crab Apple	Ad	*Southern Cottonwood
F	DOUGLAS FIR	A	ASPEN, COTTONWOOD or POPLAR		BIRCH
Fd	Douglas Fir	At	Aspen	Ea	*European Birch
Fdc	Coastal Douglas Fir	Acb	Balsam Poplar	Es	Silver Birch (swamp)
Fdi	Interior Douglas Fir	Act	Black Cottonwood	Ey	*Yellow Birch
B	FIR (Balsam)	Ax	hybrid Poplars		CHERRY
Ba	Amabilis Fir	At	Trembling Aspen	Vs	Sweet Cherry
Bg	Grand Fir	R	ARBUTUS		CYPRESS
Bl	Subalpine Fir (alpine)	Ra	Arbutus	Yp	*Port Orford Cedar
H	HEMLOCK	E	BIRCH		ELM
Hm	Mountain Hemlock	Ea	Alaska Paper Birch	Ec	*Siberian Elm
Hw	Western Hemlock	Eap	Alaska x Paper Birch hybrid	Bp	Noble Fir
Hxm	Mountain x Western Hemlock hydrid	Ep	Paper Birch (white)	Bm	*Shasta Red Fir
J	JUNIPER	Ew	Water Birch	Bc	*White Fir
Jr	Rocky Mtn. Juniper	K	CASCARA		LARCH
Js	Seaside Juniper	Kc	Cascara	Ld	*Dahurian Larch
L	LARCH	V	CHERRY	Ls	*Siberian Larch
La	Alpine Larch	Vb	Bitter Cherry		MAPLE
Lt	Tamarack	Vv	Choke Cherry	Me	Box Elder
Lw	Western Larch	Vp	Pin Cherry	Mn	*Norway Maple
P	PINE	G	DOGWOOD	Ms	*Sycamore Maple
Pj	Jack Pine	Gp	Pacific Dogwood (western flowering)		OAK
Pl	Lodgepole Pine	M	MAPLE	Qa	*English Oak
Pli	Lodgepole Pine (interior)	Mb	Bigleaf Maple (broadleaf)	Qw	*White Oak
Plg	Lodgepole x Jack Pine hybrid	Mv	Vine Maple		OTHER EXOTICS
Pm	Mountain Pine (pinyon)	Q	OAK	Ca	*Incense Cedar
Pc	Shore Pine (contort)	Qg	Garry Oak	Cn	*Giant Sequoia
Pw	Western White Pine	W	WILLOW	Cr	*Coast Redwood
Pw	Whitebark Pine	Wb	Bebb's Willow	Ge	*Ginkgo, Maidenhair Ash
S	SPRUCE	Wp	Pacific Willow	Oa	Siberian Elm (scullhorn)
Sb	Black Spruce	Ww	Peachleaf Willow (Barclay's)	Of	Common Pear
Se	Engelmann Spruce	Wr	Pussy Willow (gray-leaved)	Og	Oregon Ash
Sep	Engelmann x White	Ws	Scouler's Willow	Oh	*White Ash
Sw	White Spruce	Wt	Sitka Willow (tea-leaved)	Cl	*Shagbark Hickory
Sx	Spruce hybrid	**UNKNOWN - OTHER**		Ql	Tree-of-heaven
Sxw	Engelmann x White	X	UNKNOWN	Wa	*Japanese Walnut
Sxl	Sitka x White	Xc	unknown conifer		PINE
Sxs	Sitka x unknown hybrid	Xh	unknown hardwood	Pm	*Monterey Pine
T	YEW	Z	OTHER (tree not on list)	Pr	*Red Pine
Tw	Western Yew	Zc	other conifer	Ps	*Sugar Pine
		Zh	other hardwood		SPRUCE
				Sn	*Norway Spruce

Line 4

4a AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-80
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 aren't 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 I records)

NON-TREED SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- si 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 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
- ei Exposed Land
- ro Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

- ap AIRPORT
- be BEACH
- bi BLDG/FIELD
- bo BOREDOM
- bu BURNED AREA
- cb CUTBANK
- es EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- lb LAKEBED
- lk LAKE
- lo POND or LAKE SEDIMENTS
- mi OPEN PIT MINE
- mn MORAINE
- mu MUDFLAT SEDIMENT
- mz RUBBLY MINE SPOILS
- oc OCEAN
- ot OTHER
- pn SNOW COVER
- re RESERVOIR
- ri RIVER / STREAM
- rm RESERVOIR MARGIN
- rr RAILWAY SURFACE
- rs RIVER SEDIMENTS
- rz ROAD SURFACE
- ta TALUS
- tl 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)

- AL ALPINE
- AT ALPINE FOREST (Species
- C CULTIVATED
- CL CLAY BANK
- G GRAVEL BAR
- GR GRAVEL PIT
- ICE ICEFIELD
- M MEADOW
- MUD MUD FLAT
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST (Species
- NTA NO TYPING AVAILABLE
- OR OPEN RANGE
- P HAYFIELD
- R ROCK
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON COMMERCIAL
- NCBR NON COMERCIAL BRUSH
- NP NON PRODUCTIVE
- NSR NOT SUFFICIENTLY RESTOCKED
- 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.

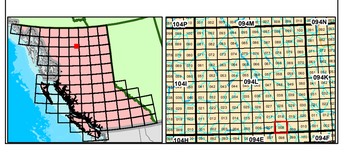
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

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



094L017 094L018 094L019 094L008 094L009 094L007 094E098 094E097 094E099

80-151 80-161 80-149 80-162

Mackenzie Natural Resource District

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Overflow Labels

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