093L045

Vegetation Map
093L045

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
- Siviculture 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
- Hydro/Nav/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:

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

Line 1 - History Record Opeing Number

CUT - opening number valid for BCGS mapsheet
XXXX - 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

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	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann x Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Spruce x Subalpine
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ua	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
E	BIRCH
Ek	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ea	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wx	Willow (hybrid)
Wp	Pacific Willow
Wa	Peachleaf Willow (Barclay's)
Ww	Pussy Willow (gray-leaved)
Wy	Pussy Willow
Wi	Sitka Willow (low-leaved)

UNKNOWN - OTHER

x	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ux	APPLE Apple
Ad	ASPEN, COTTONWOOD or POPLAR *Southern Cottonwood
Ebl	BIRCH European Birch
Ek	Asian Birch (swamp)
Ey	*Yellow Birch
Vs	CHERRY *Mazzard Cherry
Yp	CYPRESS *Port Orford Cedar
Bb	FIR (Balsam) *Balsam Fir
Bn	*Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
Lk	LARCH *Dahurian Larch
Ld	*European Larch
Mr	MAPLE Box Elder
Me	*Norway Maple
Ms	*Sycamore Maple
Oe	OAK *English Oak
Ow	*White Oak
	OTHER EXOTICS
Dc	*Incense Cedar
Dg	*Douglas Fir
Gb	*Ginkgo
Ot	*Osage Orange
Px	SPRUCE *Norway Spruce
Ls	*Siberian Larch
Lx	MAPLE Manitoba Maple
Mn	*Norway Maple
Mr	*Sycamore Maple
Oe	OAK *English Oak
Ow	*White Oak
Ob	*Giant Sequoia
Oc	*Californian Redwood
Op	European Mountain Ash
Ow	Siberian Elm (southern)
Cf	Common Pear
Og	Oregon Ash
Ou	*Chinese Elm
Oh	*Shagbuck Hickory
Ot	Tree-of-heaven
Ok	Japanese Walnut PINE
Pnr	*Monterey Pine
Pn	*Red Pine
Py	*Sugar Pine
	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	141-200
9	201 +

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 shown after the species code 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 arenot present; e.g. Non-Forested (NF) or Forested (F) polygons. The species code 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
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- sm SHRUB MEDIUM - 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
- xl Exposed Land
- rs Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap AIRPORT	gp GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
bl BEACH	ic ICE	mz MUDFLAT MINE SPOILS	rr RESERVOIR RIVER
br BEDROCK	la LAVA BED	oc OCEAN	rs RIVER SEDIMENTS
bu BURNED AREA	li LANDING	of OTHER	rd ROAD SURFACE
cb CUTBANK	ls POND or LAKE SEDIMENTS	pn SNOW COVER	ta TALUS
dl DELTAIC SOILS	mi OPEN PIT MINE	re RESERVOIR	tl TAILINGS
gl GLACIER	mr MORAINE	rv RIVER / STREAM	ur URBAN

Note: Water categories (lk, rv, re, rr) not labelled over 90 percent coverage.

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

A ALPINE	NP NON PRODUCTIVE	SAND SAND	
AT ALPINE TYPE FOREST (Species	NPBR NON PRODUCTIVE BRUSH	SAT SALT FLAT	
C CULTIVATED	NPBU NON PRODUCTIVE BURN	U URBAN	
CL CLAY BANK	NPF NON PRODUCTIVE FOREST (Species		
G GRAVEL BAR	NTA NO TYPING AVAILABLE	NC NON COMMERCIAL	
GR GRAVEL PIT	OR OPEN RANGE	NCBR NON COMERCIAL BRUSH	
L LAKE	R ROCK	NSR NOT SUFFICIENTLY RESTOCKED	
M MEADOW	R ROCKS	NSR NOT SUFFICIENTLY RESTOCKED	
MUD MUD FLAT	S SWAMP	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.

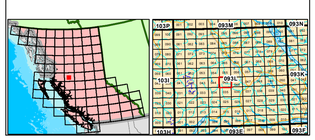
A	Animal Damage	L Logging	R Site Rehabilitation
B	Wildfire	M Mine Damage	T Treatment Injuries
C	Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D	Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I	Insects		

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



Overflow Labels

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