093F046

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093F046

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 contained may not be complete and up to date. 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
- Structure Opening or Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other Vrtes
- Powerline
- Pipelins
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/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 (Douglis Fir) and He (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separated by / Site Index / estimated SI
ex: 120 yrs old / 30 m high / 40% crown closure class 4 (26-40%) / 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 1979.

Line 1 - History Record Opening Number

OGC - opening number valid for BCGS mapsheet
ZOOY - 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

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)
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 (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole Pine x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pxj	Shore Pine (coast)
Pw	Western White Pine
Py	Whitebark Pine
S	SPRUCE
Sa	Alpine Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxw	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abl	Balsam Poplar
Abt	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
Ac	Black Cherry
Pa	Arbutus
E	BIRCH
Ep	Alaska x Paper Birch
Epa	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
K	CASCARA
Kc	CASCARA
Kc	Cascara
Kd	Cascara
V	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gc	Giant Chinkapin
W	WILLOW
Wp	Pacific Willow
Wpb	Pacific Willow
Wa	Peachleaf Willow (Bentley's)
Wr	Scouler's Willow (Sitka Willow)
Wh	Hooker's Willow
Wl	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
A	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
Ae	Aspen
Ea	European Birch
Eb	Silver Birch (exampl)
Ep	Paper Birch
C	CHERRY
Cs	Sweet Cherry
Cv	Hybrid Cherry
Cu	Pond Orford Cedar
F	FIR (Balsam)
Fa	Amabilis Fir
Bn	Noble Fir
Bm	*Shasta Red Fir
Bp	Grand Fir
L	LARCH
Le	*Siberian Larch
Lk	*Japanese Larch
M	MAPLE
Me	Box Elder
Mr	Red Maple
Mo	*Oriental Maple
O	OAK
Qr	*White Oak
	OTHER EXOTICS
Ch	Horsechestnut
Cn	*Giant Sequoia
Cr	*Coast Redwood
Ea	European Mountain Ash
Ge	Siberian Elm (southern)
Gf	Common Pear
Gp	Callery Pear
H	Hinoki Cypress
Hy	*Shagbark Hickory
Ja	Japanese Ash
Jn	Japanese Walnut
PINE	
Pm	*Monterey Pine
Pn	Austrian Pine
Ps	*Scotch Pine
SPRUCE	
Sn	*Norway Spruce

Line 4

4a AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-60
4	61-100
5	101-120
6	121-140
7	141-200
8	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 based on the age and height of the Dominant and Co-dominant trees. SI is determined by using site age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present(e.g. young stands (<30yrs). It is denoted by a slash which always precedes the estimated site index. SI will be based on 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.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h 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 BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- at Exposed Land
- w Water / Ice
- s Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mr	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mv	MUDFLAT WINE SPOILS
bf	BOOM FIELD	lb	LAKE BED	o	OCEAN
br	BEDROCK	li	LANDING	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	sn	SNOW COVER
ds	DEBRIS SLIDE	rd	ROAD / TRAIL	sw	SNOW / ICE
es	EXPOSED SOILS	rk	ROCKBAND	r	RIVER / STREAM
gl	GLACIER				

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

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rz	ROAD SURFACE
tz	TALUS
ta	TAILINGS
u	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	SEAT	SEAT
C	CULTIVATION	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	R	ROCK OR TALUS	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	F	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE	P	PASTURE	NPBR	NON PRODUCTIVE RESTOCKED
MUD	MUDFLAT	S	SWAMP	N/A	NOTYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code proceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

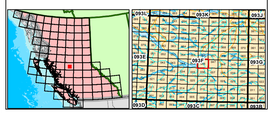
A	Animal Damage	L	Logging
B	Birds	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

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 ID
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FORREST COVER
WILDLIFE TREE PATCH



Overflow Labels

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