Vegetation Map
093F027

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 contained on this map is not warranted for any other purpose. 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 in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

TRIM, Base Features:
- 4ai Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Gravel Roads
- Trails/Cutlines
- Railways
- Air/Fixed Wing
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofor/Barriers - 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 (< 1:200,000 fnd - 15 % hatch)
- Municipal boundary (< 1:250,000 fnd - 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 - Douglas 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 (0.5-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: Sparsely vegetated - 10-30% tree, shrub and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number

OGR - opening number valid for BCGS mapsheet
zzzzz - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

Within each opening, polygons ranging from one to nine digits
Multi-layer stand is 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 4.6 dated January 2009.

NATIVE CONIFERS

Cw	CEDAR, Western Red Cedar
Y	CYPRESS
Y	Yellow Cedar
F	DOUGLAS-FIR
Fd	Douglas Fir
Fdc	Douglas Fir Coastal Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Western Hemlock Eastern Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Py	Ponderosa Pine (yellow)
Ps	Shore Pine (coast)
Pw	Western White Pine
Pwa	Whitebark Pine
S	SPRUCE
Sa	Alaska Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxe	Spruce Hybrid
Sxs	Spruce Hybrid
Sw	Sitka x White
Sxw	Sitka x White Hybrid
Ss	Sitka Spruce
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ASPEN
Ep	Pacific Cold Aspite
Ew	BLACK COTTONWOOD or POPLAR
Ac	Poplar
Act	Poplar Hybrid
Ax	Black Cottonwood
Ar	Hybrid Poplars
At	Trembling Aspen
G	ARBUTUS
Gk	Arbutus
Ep	ASPEN
Ep	Alaska x Paper Birch
Epg	Alaska x Paper Birch hybrid
Ew	Black Cottonwood
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Hybrid Cherry
Vv	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
C	OAK
Cg	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bandy's)
Wr	Red Willow (Scouler's Willow)
Ws	Sitka Willow
Sxw	Sitka Willow (low branch)
X	UNKNOWN - OTHER
Xc	cottonwood
Xc	unknown conifer
Xh	unknown hardwood
Xi	OTHER (tree not on list)
Xc	other conifer
Xh	other hardwood

EXOTICS

Ep	ASPEN
Epp	ASPEN, COTTONWOOD or POPLAR
Ax	Black Cottonwood
B	FIR
Bp	European Birch
Bpg	Paper Birch hybrid
V	White Birch
V	CHERRY
Vu	Hybrid Cherry
Y	CYPRESS
Yi	"Wurl Orford Cedar
Yn	Nootka Cyp
Ypk	Pyramidal Fir
Bp	Noble Fir
Bpk	Pyramidal Fir
Bs	Sitka Fir
L	LARCH
Lk	European Larch
Lk	Siberian Larch
M	MAPLE
Mn	Norway Maple
Mr	Sycamore Maple
O	OAK
Or	Red Oak
Ow	White Oak
	OTHER EXOTICS
Ch	Horsechestnut
Cp	Giant Sequoia
Cr	Coast Redwood
Fe	European Mountain Ash
Fx	Siberian Elm (southern)
Gf	Common Pear
Gk	Ginkgo Tree
Hx	Hybrid Ash
Ch	"Shagbarck Hickory
Ja	Black Walnut
Jn	Japanese Walnut
P	PINE
Pa	Austrianny Pine
Pn	"Red Pine
Pp	Ponderosa Pine
S	SPRUCE
Se	"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	141-160
9	161 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.5 - 10.4
2	10.5 - 19.4
3	19.5 - 27.4
4	27.5 - 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
7	6 - 15
1	16 - 25
2	26 - 35
4	36 - 45
5	46 - 55
6	56 - 65
7	66 - 75
8	76 - 85
	86 - 100

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years breast height age. Site index is estimated for all stands not having survey samples. When an accurate SI cannot be obtained from age and height, estimates SI is shown after, or replace the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. Non-forested, Non-productive, Recently logged. Inventory always provides 5 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.
- 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bs BRYOID - 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
- at Exposed Land
- ar Rock / Talus
- w Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ab	AIRPORT	gp	GRAVEL PIT
ac	CLEARING	l	LAKE
w	BLOCKFIELD	la	LAKE BED
w	BEDROCK	li	LANDING
ta	CUTBANKS	ls	LAKE/LAKE SEDIMENTS
ta	CUTBANKS	m	OPEN PIT MINE
ea	EXPOSED SOILS	mr	MORAINE
gr	QUARRY		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
o	OCEAN / SALT WATER	rr	RIVER SEDIMENTS
o	OCEAN	rr	RIVER SEDIMENTS
o	OTHER	rl	ROAD SURFACE
p	POND / RIVER	s	SAND
rc	RESERVOIR	ta	TALUS
r	RIVER / STREAM	ur	URBAN

Note: Water categories (la, la, ra, rr, li) not labelled over 50 percent coverage.

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

AF	ALPINE FOREST Stands	NPBS	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
D	DEVELOPED	NPF	NON PRODUCTIVE FOREST Species
G	GRASS, BARE	NVC	NOT VEGETATED COVER
GR	GRAVEL PIT	OR	OPEN RANGE
L	LAKE	R	RIVER BANK
M	MEADOW	ROCK	ROCK
MU	MUDFLAT	S	SWAMP

SAND	SAND		
TIDE	TIDE FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NF	NON FOREST		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NOT 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
B	Birds	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		

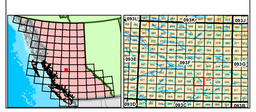
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Product Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW
Mapview application, Web Map. The MapView example is of thinned 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