Vegetation Map
093J037

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 - VRMS / 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 in this map is compiled from TRIM data, 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 (VRI)
- Research Installations

TRIM_Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Dyke/Berm/levees - ESM
- Shorelines/rivers - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- IMV 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 (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex. a 61-80 year old layer, 10-19.5 metres tall (code 3 / 13-16 m), crown closure class 1 (5-15%), SI 20m
5 Vegetated Descriptive Code (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 Opening Number

0104 - opening number valid for BCGS mapsheet
20249 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS 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 4.0 Edited January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
Y	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)
Bp	Pacific Fir
Hm	Mountain Hemlock
H	HEMLOCK
Hxm	Mountain x Western Hemlock hybrid
Hw	Western Hemlock
J	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (inland)
Pli	Lodgepole Pine (coastal)
Py	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pwi	Ponderosa Pine (inland)
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sk	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Lutz hybrid
Yc	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DOGWOOD
Dr	Dogwood
U	APPLE
At	Alaska Crab-Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ae	Aspen
Ax	Hybrid Poplars
Ap	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
Ep	Paper Birch
Ew	Alaska Paper Birch hybrid
Ewp	Alaska x Paper Birch hybrid
Ep	Paper Birch
Ey	Water Birch
Ec	Cascara
Ed	Bitter Cherry
Eb	Bitter Cherry
Ev	Choke Cherry
Ec	Choke Cherry
G	COTTONWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Banksa's)
Wr	Red Willow (Bebb's willow)
Wy	Scouler's Willow
Wx	Hybrid Willow (Sitka x Scouler)

UNKNOWN - OTHER

Xc	unknown conifer
Xh	unknown hardwood
Xo	OTHER (tree not on list)
Zz	other conifer
Zh	other hardwood

EXOTICS

AP	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Ay	Balsam / Cottonwood
BI	BIRCH
Ek	European Birch
Ep	Paper Birch (exotic)
Ew	Yellow Birch
CH	CHERRY
Yc	Choke Cherry
CY	CYPRESS
Yo	"Port Orford Cedar
F	FIR (Balsam)
Bp	"Balsam Fir
Bg	Noble Fir
Bm	"Veitch's Fir
Bi	"White Fir
L	LARCH
Lr	"Dahurian Larch
Lk	"Japanese Larch
MA	MAPLE
Mr	Box Elder
Mn	"Norway Maple
Mp	"Sycamore Maple
OA	OAK
Qr	"English Oak
Qg	"White Oak
XE	OTHER EXOTICS
Ch	"Horse Chestnut
Ot	"Giant Sequoia
Or	"Coast Redwood
Ob	"Black Locust/False Ash
Oa	"Siberian Elm (southern)
Ol	Common Pear
Oc	"Crab Apple
Oh	"White Ash
Ow	"Weeping Willow
Ot	"Tree-of-Heaven
Ou	"Japanese Walnut
PW	PINE
Pn	"Monterey Pine
Pa	"Austrian Pine
Ps	"Scotch Pine
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	141-250
9	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 9.4
2	9.5 - 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)
1	5 - 10
2	11 - 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

4d Is the site index for the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant layer. If the dominant layer is younger than 50 years old and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated using Site Tools 3 trees across present, e.g. young stands (<30yrs). It is denoted by a slash which always follows the estimated site index. SI is based on Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and L records)

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- d SHRUB DWARF - 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
- b 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
- rl Exposed Land
- rs Rock / Rubble
- sl Snow / Ice

NON VEGETATED CATEGORIES (for W and I records)

aa	AIRPORT	gp	GRAVEL PIT
ac	CLEARING	ic	ICE CAP
bl	BOULDERFIELD	la	LAKE BED
br	BEDROCK	ld	LANDING
cb	CONSTRUCTION AREA	ls	LAKE SEDIMENTS
cl	CUTBANK	mp	OPEN PIT MINE
es	EXPOSED SOILS	mq	MOSAIC
gd	GRAVEL PIT	mu	MUDFLAT SEDIMENT
		ns	NEARSHORE SPOILS
		oc	OCEAN
		ot	OTHER
		rd	ROAD RIGHT OF WAY
		re	RESERVOIR
		rw	RIVER / STREAM

Note: Water categories are normally delineated over the present coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST-Species	NPBR	NON PRODUCTIVE BRUSH
	composition	NPBS	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST -Species
DU	DUNE (SAND)	NPL	NON PRODUCTIVE MUD
GM	GRASSLAYT	OR	OPEN RANGE
KE	ICEFIELD	P	HAYFIELD
MU	MUSKEG	R	ROCK
MUD	MUD FLAT	SAND	SAND

SAND	SAND		
SF	SILT FLAT		
TI	TIDAL		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NF	NON PRODUCTIVE		
NFBR	NON PRODUCTIVE 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.

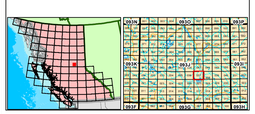
A	Animal Damage	L	Logging
C	Cutting	N	Non-Vegetation
D	Cone and Seed Insects	N	Non-Biological Injuries
O	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
S	Silviculture		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of 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 Data" to turn on display values for :

OPENINGS
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



093J037

093J037

093J046 093J047 093J048

093J036 093J037 093J038

093J026 093J027 093J028

68-113 68-114 68-115 68-116 45

CARIBOU DISTRICT

Prince George Natural Resource District

EP1165

Overflow Labels