082G010

Vegetation Map
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Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - MFMS / 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. Collection, administrative boundaries and the Ownership colour theme are for reference purposes only. (Version Release June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Fudges=:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM Base Features=:
- no Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Ferry Routes
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofluvial lines - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries=:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- REV Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land Claim Boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (< 1:600,000 flat - 15 % hatch)
- Municipal boundary (< 1:600,000 flat - 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 label indicator (L)
3. Species Composition
4. Age, Height, Crown Closure Class Code - separated by a blank
5. Vegetated Density Class (or Non-Forest/Productive Descriptor)
6. Disturbance History & year - as logged in 1978

Line 1 - History Record Opening Number

1234 - opening number valid for BCGS mapsheet 2034 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VEMS 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 - RC 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

Cw	Western Red Cedar
Y	CYPRESS
H	HEMLOCK
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Alpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmw	Mountain Hemlock-Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
Lt	Alpine Larch
Lw	Western Larch
Ls	Subalpine Larch
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Coastal Pine
Pli	Lodgepole Pine (interior)
Plj	Lodgepole x Jack Pine hybrid
Plp	Lodgepole x Ponderosa Pine hybrid
Pa	Whitebark Pine
Pw	Western White Pine
Pxj	Whitebark Pine
Pf	Limber Pine
Pyc	Ponderosa Pine
Sb	Engelmann Spruce
Se	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Engelmann x White
Sxl	Sitka x White
Sxw	Sitka x unknown hybrid
Ss	Sitka Spruce
Te	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
U	Red Alpine
Ut	APPLE
A	ASPEN, Cdn Alpine
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
Ep	Trembling Aspen
E	BIRCH
Ra	Alnus rub
Rx	Alnus sin
Ea	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ew	Water Birch
K	CASCARA
G	GARRY OAK
D	DOGWOOD
Vs	Bitter Cherry
Vc	Choke Cherry
G	DOGWOOD
Dr	Red Osier Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpe	Pacific x Peach Willow (Barclay's)
Wrf	Rocky Mt/Arc (grey shrub)
Ws	Scouler's Willow
Wsp	Sitka Willow (barrel)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (less common list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	Apple
Au	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
Ae	BIRCH
Ale	European Birch
Alp	Paper Birch (exotic)
Fz	Yellow Birch
Ye	CHERRY
Ys	Sweet Cherry
Yt	CYPRESS
Yo	"Hot Ghost Cedar
Ye	Port Orford
Be	Balsam Fir
Bp	Noble Fir
Bn	Nordmann Fir
Bl	White Fir
Lk	LARCH
Lyl	European Larch
Ld	Dahurian Larch
Lk	Japanese Larch
Mb	MAPLE
Mr	Red Maple
Ms	Norway Maple
Mn	Sycamore Maple
O	OAK
Qe	English Oak
Qr	White Oak
Q	OTHER EXOTICS
Ow	Weeper Cutleaf
Ow	Weeping Willow
Ow	Cheal Redwood
Ow	European Mountain Ash
Ow	Common Hawthorn
Of	Common Pear
Og	Crabapple
Ow	Black Locust
Ot	Shadblush, Hickory
Ow	Horsechestnut
Ow	Japanese Walnut
Ow	Elm
Pe	Norway Pine
Pr	Red Pine
Pa	Austrian Pine
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 - 13.4
3	13.5 - 16.4
4	16.5 - 22.4
5	22.5 - 43.4
6	43.5 - 53.4
7	53.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
0	0 - 5
1	6 - 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

All SI are known to the nearest metre referenced at 50 years
Breast Height Age. SI is based on the age and height of the
tallest tree in the polygon (usually a dominant tree) with
age and height estimated if it is immature 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
follows the species code. Estimated SI values are loosely
Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I codes)

NON-TREED SHRUB
- s SHRUB - shrub with average shrub height > or = to two metres.
- SHRUB (no) - 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
- bm BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover.
- bl BRYOID - LICHENS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.

NON-VEGETATED
- w Exposed Land
- rs Rock / Rubble
- m Snow / Ice

NON-VEGETATED CATEGORIES (for V and I codes)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUD FLAT SEDIMENT
b	BEACH	h	LAKE	mv	MUD FLAT WIND SPOILS
bo	BOG/FEN	hi	LAKE-ISLAND	o	OCEAN
br	BEDROCK	ir	LANDING	rl	OTHER
bu	BUILT-UP AREA	ld	LANDING SEDIMENTS	rc	RIPARIAN COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
de	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM
gl	GLACIER		Note: Water categories (o, rc, re, r) not labelled on Mapsheet coverage.		

rm	RESERVOIR MARGIN
rp	RIPARIAN RESERVE
rv	RIVER SEGMENTS
u	ROAD SURFACE
sa	SAND
t	TAILINGS
w	URBAN

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for F, N and NA)

AF	AGRI FOREST	NPBC	NON-PRODUCTIVE BRUSH	SAND	SAND
AP	AGRI FOREST Riparian	NPBR	NON-PRODUCTIVE BRUSH	TEA	TIDAL FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CL	CLEARING	NPF	NON-PRODUCTIVE FOREST Riparian		
G	GRAVEL MAT	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
M	MEADOW	R	ROCK / TALUS	NP	NON PRODUCTIVE
M	MARSHES	S	SWAMP	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT			NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

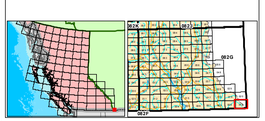
Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mist 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 ELVSILVICULTURE tab then click on "Display
Silviculture Map" to turn on display values for -
- OPENING
- OPENING LABELS
- ACTIVITY PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



Overflow Labels

082G010