Vegetation Map
082E059

Province of 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 : MTHRO - VRMS (Ownership
Base Map Source: TRIM / Terrafo

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 or other theme are for reference purposes only (Legend revised June 2014).

Labels Projected To: January 1, 2018

MAP SYMBOLOGY

Forest Inventory Feature=:
- Forest Vegetation Polygons
- Silviculture Opening Vegetation
- Permanent Sample Plot (GVS)
- Research Installations

TRIM - Base Feature=:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fairstrips
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodrillarcs - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MTHRO Region boundary
- Resource District boundary - FADM
- RV 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 (1:2,000,000 for 1:5 % here!!)
- Municipal boundary (1:1,000,000 for! no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

DEM=:
- BCGS Wraphead 5 mil (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1 Silviculture survey and Opening Number
2 Polygon number and multi-layer stand indicator (L)
3 Species Composition
i.e. 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
i.e. Layer 1 is class 4 (61-80 years), class 3 (16-25 m) and class 3 (tree crowns above class 1 (6-10%.). SI 20m
5 Vegetated Density Class (or Non-Forest/Features Descriptor)
i.e. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

- opening number exists for BCGS mapsheet
zzzzz - 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 (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 labelled 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	Coastal Douglas Fir
Fdi	Interior Douglas Fir
P	PINE
Pa	Whitebark Pine
Pg	Grand Fir
Pl	LODGEPOLE PINE
Plc	Shore pine
Plh	Wrachten Hemlock
Pli	Interior Lodgepole
Pxx	Wrachten x Western hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Je	Eastern Juniper
L	LARCH
Lw	Western larch
Lt	Tamarack
Lx	Hybrid larch
P	PINE
Pa	Whitebark Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole x Jack Pine hybrid
Px	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pyi	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x Lutz hybrid
Sxs	Sitka x unknown hybrid
Y	YEW
Yp	Pacific Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Pacific Crab Apple
At	BLACK COTTONWOOD or POPLAR
Ac	Poplar
Abp	Balsam Poplar
Abpt	Balsam Poplar x Poplar
At	Trembling Aspen
Ati	Trembling Aspen
B	BIRCH
Bp	Paper Birch
Bpk	Kenai Paper Birch
Bpx	Paper Birch x Birch hybrid
Bg	Gray Birch (white)
Bw	Water Birch
E	ELM
V	Cascara
V	DOGWOOD
H	Hardhack
H	Choke Cherry
M	MAPLE (Genus)
Mb	Bigleaf Maple
Mbl	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	GARRY OAK
Gg	Garry Oak
R	ASH
Rt	Black Cottonwood (western flowering)
Rp	Pacific Willow
Rpr	Pacific Willow (Prairie)
Rpw	Pacific Willow (Willow (Salix))
Rw	Peach Willow (Large leaved)
Rx	Willow (Salix) (Genus)
Rh	Hoary Willow (low leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	Unknown Conifer
Xd	unknown hardwood
Z	OTHER (Non-forest NP)
Z	Rock
Z	other non-forested

NATIVE SHRUBS

A	ALDER
Ad	Sitka Alder
Ac	Pacific Crab Apple
Ab	Bitter Cherry
Abp	Balsam Poplar
Abpt	Balsam Poplar x Poplar
At	Trembling Aspen
Ati	Trembling Aspen
B	BIRCH
Bp	Paper Birch
Bpk	Kenai Paper Birch
Bpx	Paper Birch x Birch hybrid
Bg	Gray Birch (white)
Bw	Water Birch
C	CEANOTHUS
Cx	Cascara
D	DOGWOOD
H	Hardhack
K	Choke Cherry
M	MAPLE (Genus)
Mb	Bigleaf Maple
Mbl	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Gg	Garry Oak
R	ASH
Rp	Pacific Willow
Rpr	Pacific Willow (Prairie)
Rpw	Pacific Willow (Willow (Salix))
Rw	Peach Willow (Large leaved)
Rx	Willow (Salix) (Genus)
Rh	Hoary Willow (low leaved)

EXOTICS

UA	APPLE
Ap	Apple
AT	NATIVE COTTONWOOD or POPLAR
At	Southern Cottonwood
Ac	Poplar
Ps	European Birch
Pd	Silver Birch (exempt)
Pr	Purple Birch
BC	BIRCH
Yt	Sweet Cherry
Y	CYPRESS
Yo	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Bk	Balsam Fir
Bl	Alpine Fir
Bm	Grand Red Fir
Bn	Noble Fir
Bp	Pacific Fir
Bs	Subalpine Fir
Lt	Tamarack
Lx	Hybrid larch
Mv	Vine Maple
Mb	Bigleaf Maple
Ch	Chestnut
Ch	Horse Chestnut
Ch	Sweet Chestnut
Ch	European Chestnut
Ch	European Mountain Ash
Ch	Siberian Elm (southern)
Ch	Elm (Genus)
Ch	Dragon Ash
Ch	Ash (Genus)
Ch	Weeping Willow
Ch	Willow (Genus)
Ch	Japanese Walnut
Ch	ASH
Pw	Western White Pine
Pl	Red Pine
Ps	Scots 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	161-200
0	201 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 27.4
4	27.5 - 37.4
5	37.5 - 48.4
6	48.5 - 64.4
7	65.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

Site index is the average dominant arboreal stand height at 50 years of age. It is a tree/ site-specific measure of site productivity. The tree used for site index purposes is selected from among the dominant, codominant and occasionally intermediate trees in the stand. Site index is usually expressed in metres.

4e. ESTIMATED SITE INDEX

SI = site index estimated at least one species present, e.g. young stands (<50yrs) = s is denoted by a dash which always precedes the species code (e.g. -Fd). Source of SI secondary: Sup Silviculture 5 Estimated stand data.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I cover=)

NON-TREED SHRUB

S	SHRUB - 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 dominant
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, liverwarts, and hornworts > 50% of the bryoid cover
BC	BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover

NON-VEGETATED CATEGORIES (for V and I cover=)

ai	AIRPORT	si	SNAG, PIT
bl	BOULDERS	sl	LAKE
cl	CLIFF/CLIFFS	sm	MARSH
cs	CLIFF/SLOPE	so	OTHER
ea	ESTUARINE A	sp	POND or LAKE SEDIMENTS
eb	ESTUARINE B	sr	RIVER/STREAM
gl	GLACIER/ICEFIELD	sw	WATERFALL
gr	GRAVEL PIT	ta	TALUS/SCREE
ic	ICEFIELD	tz	TIDAL ZONE
mi	MISCELLANEOUS	ub	URBAN
ri	RIVER		

Note: Water categories by ca, ic, lc not labelled on 81 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTORS (for I cover=)

A	ALPINE	BAND	BAND
C	CULTIVATED FOREST/ Nursery	FLAT	FLAT
C	CULTIVATED	URBAN	URBAN
D	DUGOUT		
G	GRAVEL BAR		
GP	GRAVEL PIT		
ICE	ICEFIELD		
M	MEADOW		
MUD	MUDFLAT		

NP	NON PRODUCTIVE
NPB	NON PRODUCTIVE BRUSH
NPC	NON PRODUCTIVE BURN
NPF	NON PRODUCTIVE FOREST / Nursery
NPL	NON PRODUCTIVE LAKE
O	OPEN AREAS
R	ROCK
S	SAND

NC	NON COMMERCIAL
NCB	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NOT TYPING AVAILABLE

Line 6 - Disturbance History

Silviculture Use (data) is recorded 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	Wildfire	M	Mite Damage
C	Insects and Seed Insects	N	Non-Human Injuries
D	Diseases - Insects	P	Cone and Seedling Fungal Pathogens
		S	Site Rehabilitation
		T	Treatment Injuries
		W	Weather Damages
		Y	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either WAT or ArcMap. The ArcMap example is of the red RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the FEATURE SEARCH link then click on "Display Silviculture Results" to turn on display values for -

OPENING
OPENING LABEL3
OPENING - PLANTING ACTIVITY
SILVICULTURE BLOCK UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels