Vegetation Map
082F062

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRAM2 / Ownership

Base Map Source: TRIM / Terrack

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 to be used for navigation. Boundaries and administrative boundaries are the Ownership colour theme are for reference purposes only. Legend revisions June 2016

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening or Vegetation
- Permanent Sample Plot (1970)
- Research Installations

TRIM Base Features:
- Cut Block Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other Area
- Powerline
- Pipeline
- Buildings
- Mine Areas
- Misc Lines
- Water Lines
- Hydrolines/Banks - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BAY Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrabs
- Municipal boundary (> 1:1000 000 Map 1 in 1a Hatch)
- Municipal boundary (< 1:1000 000 Map 1 no Hatch)
- National Parks
- Fire Restrictions
- 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. Structure symbol and Opening Number
2. Polygon Number (Multi-layer with dash-then stand indicator 6.)
3. Species Composition
   ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
   Fd is the leading species (70-80%) and Hw is the second species (20-30%).
4. Age stand in age class (121-140 yrs), Height class 5 (21.5-25.4m), crown closure class 1 (6-10%), SI 20m
5. Vegetated Density Class (or Non-Forest/Productive Description)
6. Stocking Level (Well stocked, Medium stocking and gramineoids, shrubs less than 2m.
7. Disturbance History & year - ex Logged in 1979

Line 1 - History Record Copying Number

OP - opening number valid for BCGS mapsheet — XXX - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRAMS Polygon Number - ranging from one to nine digits
X - Multi-layered stand (a separate description of each layer is available in the data base, i.e. 1.2)

Line 3 - BC Tree Codes 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

CODE	
C	CEDAR
Cw	WESTERN Red Cedar
Y	YEW
Yc	Yellow Cedar
F	FIR (Balsam)
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Subalpine)
Bg	Grand Fir
Bgi	Grand Fir (Interior)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
Hxm	Mountain Hemlock Hybrid
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Pa	Whitebark Pine (alpine)
Pfa	Ponderosa Pine (alpine)
Pfo	Shore Pine (coast)
Pw	Western White Pine
Pyb	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sxw	Hybrid White Spruce
Sx	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka Spruce Hybrid
Ss	Sitka Spruce
Yp	Western Yew

NATIVE HARDWOODS

CODE	
A	ALDER
At	Alder Red
Ay	Alder Sitka
Ue	Pacific Crab Apple
E	ARBUTUS (MADRONE)
G	Ginkgo
Ad	Balsam Poplar
Ac	Black Cottonwood
H	Hybrid Poplars
Ax	Poplar Hybrid
At	ASPEN
Ae	Aspen Trembling
Ep	Paper Birch
Ea	Alaska Paper Birch
Ew	Water Birch (Red Birch)
Ey	Yellow Birch (White)
Ep	Alaska Birch
D	DOGWOOD
Dc	Cascara
Dp	Pacific
Ds	Stiker Cherry
Dw	Western Flowering
Dx	Pin Cherry
D	DOGWOOD
Dd	Dogwood (redosier) Newsletter
M	MAPLE
Mb	Maple (Broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
W	WILLOW
Wa	Willow Arctic
Wp	Pacific Willow
Wr	Willow Red (Bebb's)
Wtl	Talkeetna Willow
Wy	Willow Yellow
Wx	Willow Willow (sp.)

UNKNOWN - OTHER

CODE	
X	UNKNOWN
Xh	Unknown Hardwood
Xs	Unknown Softwood
Xt	Unknown Tree (not ID)
Z	Other
Zh	other hardwood

EXOTICS

CODE	
AX	ASH
Axn	ASH, (LATTO/WIGGO) or POPLAR
Ax	* Northern Cottonwood
Ap	Poplar
Apx	* Poplar Hybrid
Bs	Silver Birch (exotic)
Bn	Birch Newsletter
DC	DECIDUOUS
Dc	Cascara
HY	HYBRIDS
Yc	Yellow Cedar
Fb	FIR (Balsam)
Bb	* Balsam Fir
Bc	* Corkbark
Bl	* Alpine Fir
Bi	* Grand Fir
Bx	* Hybrid Balsam
Bx	* Talkeetna Lynch
MA	MAPLE
Mb	Maple (Broadleaf)
Mv	* Vine Maple
Mp	* Japanese Maple
Mx	* Hybrid
Mx	* English Oak
Ow	* Oregon White
OTHER EXOTICS	
Ch	* Horse Chestnut
Ch	* Horn Beame
Ch	* Cedar Redwood
Ch	* Chestnut Sweet Ash
Ch	* Elderberry (southern)
Ch	* Hackberry
Ch	* Dragon Ash
Ch	* Locust
Ch	* Douglas Hickory
Ch	* Tree of Heaven
Ch	* Mountain Ash
HWX	
Pw	* Mockorng Pine
Pp	* Pitch Pine
Pp	* Royal Pine
Pp	* Scots Pine
Zz	* 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 - 19.4
5	19.5 - 22.4
6	22.5 - 25.4
7	25.5 - 28.4
8	28.5 - 31.4
9	31.5 - 34.4
10	34.5 - 37.4
11	37.5 - 40.4
12	40.5 - 43.4
13	43.5 - 46.4
14	46.5 +

4c: CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
0	0 - 5
1	6 - 10
2	10 - 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

SI is estimated at the nearest metre referenced at 50 years breast height age. SI is derived from TIPSY, site tools, or by leading species. Where SI is unknown and the difference from site information estimated to be shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when available SI base, and present, e.g. Douglas-fir SI is estimated at 25 years breast height age. Estimated SI is recorded in the database and is derived from Site Group and SI estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records):

NON-TREES SHRUB		NON-VEGETATED
SS SHRUB TALL	- shrub with average stem height > or = to two metres.	R ROCK/TALUS
SM SHRUB MEDIUM	- shrub with average stem height < two metres.	W Water - Ice

NON-TREES HERB	
HE HERB	- herb with no distinction between forbs and graminoids.
HF HERB - FORBS	- herb with greater than 50% of the cover as forbs.
HG HERB - GRAMINOIDS	- herb with greater than 50% of the cover as grass.

NON-TREES SHRUB	
SE SHRUB - ERICACEOUS	- shrub with no distinction between mosses and lichens by cover.
SP SHRUB - SPECIES	- shrub with mosses, local species, and lichens > 10% of the shrub cover.
SL SHRUB - LICHEN	- shrub with lichens > 50% of the shrub cover.

NON-VEGETATED CATEGORIES (for V and I records):

RE ROCK/TALUS		RO ROCKY OUTCROP SEGMENT	RS RESERVOIR MARGIN
B BEACH	L LAKE	AR RUBBLE AND SPOILS	R RAILWAY SURFACE
BE BEACH - ERODED	M MARSH	S SNOW	RO ROAD SURFACE
BO BEACH - OTHER	O LANDING	U UNKNOWN	RS ROAD SURFACE
E SURFACE AREA	P POND or LAKE SEDIMENTS	SC SNOW COVER	T TALUS
G GLACIER	R RIVER	SI SNOW / ICE	U UNKNOWN
I SPECIES ISOLA	W WORKINGS	TA TERRACE	

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

A ALPINE	NP NON-PRODUCTIVE	NAT NATURAL	
AF ALPINE FOREST - Subalpine	NPBR NON-PRODUCTIVE BRUSH	TEA TIDAL FLAT	
AT ALPINE TUNDRA	NPBRA NON-PRODUCTIVE BRUSH ALDER	W WATER	
FOO CLUMP MOSS	NPBRS NON-PRODUCTIVE BRUSH Species	NAT	
GR GRASS / HERB	NTA NO TYPING AVAILABLE	NCB NON COMMERCIAL	
GR GRAVEL BAR	P PARK	NCBR NON COMMERCIAL BRUSH	
H HERB	PP PARK PRIVATE	NFOR NON FORESTED	
S SHRUB	T TUNDRA	NFOR NOT SUITABLE FOR FORESTED	
MOO MOOTUNDRA	U UNKNOWN	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
C Competition	N Nil Damage	T Treatment Injuries
E Core and Stand Insects	S Silviculture Injuries	U Damage Unknown
D Diseases	P Core and Seedling Fungal Pathogens	V Wildfire Vegetation
I Insects		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The Map/View example is of Harvest RESULTS data.

The Ministry of Forests, Mines and Lands web-application http://www.for.gov.bc.ca/hts/ has more detailed information. Select the BLOCK/CUTBLOCK tab from click on "Display Silviculture Map" to turn on display values for:

OPENING
OPENING LABELS
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDFIRE BURNT FOREST COVER
WILDFIRE TREE PATCH

Overflow Labels