082E094

Vegetation Map
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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: MFLNRO - VRMO / Cranbrook
Base Map Source: TRIM / Terrain

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 derived from a variety of sources. Administrative boundaries and the Ownership colour theme are for reference purposes only. Legend revisions June 2016.

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Feature:
- Forest Inventory Polygons
- Deciduous Opening or Vegetation
- Permanent Sample Plot (PSP)
- Research Installations

TRIM_Base Features:
- Multi Roads
- 4x4 Trail Roads
- Paved Tenure Road Lines
- Road Roads
- Rough Roads
- Trails/Cutlines
- Railroads
- Ski Planes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Rock/Rock/Lakes - ESM
- Submuskeg - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MV_Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrain
- Municipal boundary (1:1,000,000 Incl. - 1% Notch)
- Municipal boundary (1:1,000,000 Incl. - no Notch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- MOSS Mapsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1 Polygon Number and multi-layer stand indicator (L)
2 Species Composition
ex the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
3 Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI
ex 7 is Age Class 7 (141-250 years), 3 is Height Class 3 (16-25m), crown closure class 4 (61-70%), SI 20m
4 Vegetated Density Class (or Non-Forest/Productive Descriptor) - separator: Inventory type group
ex a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
5 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

opening number valid for RESULTS mapsheet

0XXX - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
L - Multi-layered and separate description of each layer is available in the data base. (ex. L2)

Line 3 - BC Tree Code List

Species Composition: Species are listed in their order of predominance. Major first Minor in brackets.
Species codes are based on "Tree B.C. Ministry of Forests Tree Code" version 6.5 dated January 2009.

NATIVE CONIFERS

AC	Amabilis Fir
Cw	Western Red Cedar
Ep	Engelmann Spruce
Y	Yellow Cedar
SS	SPRUCE X SITKA
Sx	SPRUCE HYBRID
Fd	Douglas Fir
Lw	Western Larch
Fdi	FIR (Undesignated)
Hw	Hemlock
Sw	Spruce Fir
Bl	Subalpine Fir (Alpine)
Pw	Western White Pine
Pl	Lodgepole Pine
Hxm	Hemlock x Western Hemlock hybrid
Ba	Balsam
J	Juniper
Ji	Interior Juniper
Jr	Rocky Mt. Juniper
Lt	Tamarack
Lx	Tamarack x larch
Pxj	Pine x Juniper
Pj	Lodgepole Pine (scrub)
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pyc	Ponderosa Pine (coast)
Py	Ponderosa Pine (inland)
Pa	Whitebark Pine
Pf	Limber Pine
Pfx	Whitebark x Limber Pine hybrid
Sb	Black Spruce
Se	Engelmann Spruce
Sxb	Spruce x Black
Sxl	White Spruce x Subalpine Fir
Sxw	Engelmann x White
Sxx	Spruce x Spruce
Sxy	White x Engelmann hybrid
Yc	Cedar
Yp	Alaska Yew

NATIVE HARDWOODS

Ax	ALDER
Dr	Red Alder
Ds	Sitka Alder
M	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ae	Eastern Poplar
Ac	Black Cottonwood
Ap	Balsam Poplar
Ab	Birch
Ea	Paper Birch
Ba	Alaska
Bp	Water Birch
Bpx	Alaska Paper Birch hybrid
Bw	Alaska x Paper Birch hybrid
Bg	Grey Birch
Bb	Alaska Birch
Ep	Bebb Willow
Ks	Cascara
Dw	Dogwood
Hx	Water Hawthorn
Hx	Chokecherry
Hm	Black Hawthorn
Hg	Hawthorn
Mv	Mountain Maple
Mb	MAPLE
Mbv	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	Oak
Qg	Garry Oak
Ew	WILLOW
Ep	Bebb Willow
Wg	Pacific Willow
Wp	Pacific Willow (thicket)
Wpg	Pacific Willow (gr to 4m tall)
Wh	Scouler's Willow
Wx	Willow (undesignated)

UNKNOWN - 0 (Trace)

F	UNKNOWN
Fx	Unknown Hardwood
Fc	Unknown Softwood
Z	OTHER (less known tree)
Xc	Crabapple
Xh	Other Hardwood

EXOTICS

Ux	APPLE
Uc	ASPEN, COTTONWOOD or POPLAR
Ux	Siberian Cottonwood
Ub	BIRCH
Ubp	European Birch
Ubw	White Birch (exotics)
Uy	Tatarian Birch
Uw	Weeping Birch
Ux	Cherry
Uc	Crabapple
Uy	Red Willow/ Cedar
Uw	Weeping Willow
Ux	Larch
Ul	Siberian Larch
Ulk	Japanese Larch
Ux	MAPLE
Ub	Box Elder
Um	Norway Maple
Ux	Sycamore Maple
Ux	OAK
Ur	English Oak
Urp	Pin Oak
Ux	OTHER EXOTICS
Ux	Ukranian Cedar
Ux	Russian Olive
Ux	Tatarian Honeysuckle
Ux	Mountain Ash (exotic)
Ux	Siberian Elm (exotic)
Ux	Exotic Hardwood
Ux	Dragon Spruce
Ux	White Ash
Ux	Manchurian Walnut
Ux	Tree of Heaven
Ux	Japanese Walnut
Ux	Ash
Ux	Red Pine
Ux	Tatarian Pine
Ux	Stone Pine
Ux	Other Exotic

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 - 10.4
2	10.5 - 19.4
3	19.5 - 26.4
4	26.5 - 37.4
5	37.5 - 48.4
6	48.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
2	0 - 5
3	6 - 10
4	11 - 25
5	26 - 30
6	31 - 40
7	41 - 50
8	51 - 60
9	61 - 70
A	71 - 80
B	81 - 100

4d SITE INDEX

All site indices in the vegetation data reference all 400 years at breast height (1.3m). The vegetation data base is updated as inventory ground sampling updates. Where an accurate SI becomes available from ground sampling, it will replace the estimated SI in the data base.

4e. ESTIMATED SITE INDEX

SI is estimated using various methods and is rated (answer) e.g. Ep SI 20e. Estimated SI is used where there is no ground sampled information. Associated fields in the data base are Inventory Type Group and SI Estimated Source codes.

Line 5 - Vegetation records

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

NON-TREED SHRUB

Sc	SHRUB - CANOPY - shrub with average shrub height > or = to two metres.
Ss	SHRUB - SCRUB - shrub with average shrub height < two metres.

NON-TREED HERB

Hg	HERB - GRASS - herb with no distinction between forbs and graminoids.
Hf	HERB - FORBS - herb with forbs > 50% of herb/moss cover.
Hg	HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED MOSS

Mm	MOSS - MOSS - moss with no distinction between mosses and lichens by cover.
Mf	MOSS - FORBS - mixed with mosses, herbaceous forbs > 50% of the ground cover.
Mg	MOSS - GRAMINOIDS - mixed with mosses > 50% of the ground cover.

NON-VEGETATED

Ro	ROCK - Rock / Boulders
Sn	SNOW - Snow / Ice

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

A	ALPINE	AS	ALLUVIAL SEDIMENT
B	BARREN	AT	ANTHROPOGENIC STRUCTURE
BE	BEACH	B	BUILDING
BI	BEDROCK	C	CANAL
C	CLIFF/CRAG	CT	CLEARED LAND (SIGNIFANTS)
CL	CLAY BANK	CP	CLEARED LAND (PASTURE)
D	DUNE/SAND	CR	CLEARED LAND (RANGE)
GR	GRAVEL BAR	CR	CREVASSE
L	LAVA	E	EARTHFILL
M	MEADOW	F	FIELD
MU	MUSKEG	G	GARDEN
		GP	GRAVEL PIT
		H	HOUSE
		I	INDUSTRIAL
		IM	INDUSTRIAL MINE
		L	LANDING
		LA	LANDING (SIGNIFANTS)
		LP	LANDING (PASTURE)
		LR	LANDING (RANGE)
		MP	MINE PIT
		MW	MINE WASTE
		O	OTHER
		P	PASTURE
		PL	PLANTATION
		R	RESERVOIR
		RA	RESERVOIR (AGRICULTURE)
		RM	RESERVOIR (MARGIN)
		RW	RESERVOIR (WATER)
		S	ROAD SURFACE
		SA	ROAD SURFACE (GRAVEL)
		SP	ROAD SURFACE (PAVED)
		T	TRACK
		TA	TRACK (GRAVEL)
		TP	TRACK (PAVED)
		W	WHARF
		WA	WHARF (GRAVEL)
		WP	WHARF (PAVED)

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

AF	ALPINE	MP	NON-PRODUCTIVE
AT	ALPINE FOREST Subalpine	MPB	NON-PRODUCTIVE BRUSH
CL	CLEARING	MPG	NON-PRODUCTIVE GRASS
DL	CLAY BANK	MPT	NON-PRODUCTIVE FOREST Opening
DS	DUNE/SAND	NC	NON-COMMERCIAL
GR	GRAVEL BAR	NCB	NON-COMMERCIAL BRUSH
LA	LAKE/WATER	NCG	NON-COMMERCIAL GRASS
M	MEADOW	R	RIVER/STREAM
MU	MUSKEG	RES	RESERVOIR
		SNSL	SNOW, NEVE, SLIDE
		U	URBAN
		WL	WETLAND
		WLF	WETLAND FLAT
		WLS	WETLAND SWAMP
		WTR	WATER
		NCL	NON COMMERCIAL
		NCBR	NON COMMERCIAL BRUSH
		NCGR	NON COMMERCIAL GRASS
		NOR	NOT SUPPOSED/TO BE STOCKED
		NSR	NOT FORESTED/MARGINAL

Line 6 - Disturbance History

Disturbance type code is 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	Biotic	N	Non-Biological Agents
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Core and Seedling Fungal Pathogens
I	Insects		

R	Site Rehabilitation
T	Deliberate Injuries
U	Undetermined Agents
V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either SIT or ArcMap. The MapView example is available in ArcMap.

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
SILVICULTURE
SILVICULTURE FOREST COVER
WILDFIRE TREE PATCH

Overflow Labels

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