093K041

Vegetation Map
093K041

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 - VRIMS2 - 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 on this map is not to be used for determining 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 Features:
- Forest Vegetation Polygons
- Pre-burn Opening or Vegetation
- Permanent Sample Plot (VTP)
- Research Installations

TRIM Base Features:
- 4x Built Roads
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Frames
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Islands/Rivers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FAZM
- NV - Region Compartment - FAZM
- Provincial Forest area - FAZM
- Timber Supply Area Block - FAZM
- Tree Farm Licenses - FAZM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary in 1:1,000,000 fac. - 15 % hatch)
- Municipal boundary in 1:1,000,000 fac. - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Mapsheet Grid (1:50,000)

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: 4 = 121-140 yrs old, 3 = 26.0-32.0 m tall, 4 = 61-70% crown closure, crown closure class 1 (6-15%), SI 29.2m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number

opening number valid for BCGS mapsheet — 2XXX - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
L - designated if separate species description at each layer is available in the data base, i.e. 1.2).

Line 3 - BC Tree Code List

Species Compositions - 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

C	CEDAR
Cw	Western Red Cedar
Y	Yellow Cedar
H	Hemlock
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bl	Subalpine Fir
Bg	Grand Fir
Bb	Subalpine Fir (alpine)
Ba	Amabilis Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwl	Western x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (Interior)
Plc	Lodgepole Pine (Coastal)
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pa	Whitebark Pine
Pf	Limber Pine
Ss	Sitka Spruce
Sx	Engelmann Spruce
Se	Engelmann x White
Sw	White Spruce
Sxl	Lutz Spruce
Sxw	Engelmann x White
Sxs	Sitka x Engelmann hybrid
S	SPRUCE
Sxx	Unknown Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
Sl	Sitka Alder
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD + POPLAR
Ac	Aspen
Ep	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Pa	Arbutus
Ep	Birch
Ea	Alaska Paper Birch
Ekl	Kenai White Birch/Alaskan
Ew	Paper Birch (white)
Ey	Yellow Birch
K	CASCARA
Kc	Cascara
Kd	Dogwood
Vb	Bitter Cherry
Vc	Choke Cherry
Vm	Mazzard
Vp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wg	Pacific Willow
Wbb	Bebb's Willow (Beaked)
Wf	Furry Willow (grey-leaved)
Wr	Scouler's Willow
Wx	Willow (unknown leaved)

UNKNOWN - OTHERS

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	shrub does not or has not yet leaf
Z	Other Species

EXOTICS

AP(x)	APPLE
Ua	Apple
Ax	HYBRID COTTONWOOD or POPLAR
Ad	Poplar
BI(x)	BIRCH
Ea	European Birch
Ej	Gray Birch (subspecies)
Ev	Silver Birch
Yx	CHERRY
Yp	European Bird
CY(x)	CYPRESS
Ys	Port Orford Cedar
Yt	Monterey Cypress
Yc	Nootka Fir
Yx	Cypress
Yp	Shasta Red Fir
Yn	Noble Fir
LA(x)	LARCH
Lj	Dahurian Larch
Lk	Japanese Larch
MA(x)	MAPLE
Mr	Box Elder
Mn	Norway Maple
Mp	Planetree Maple
Qr	Red Oak
Qe	English Oak
Qm	Pin Oak
OT(x)	OTHER EXOTICS
Ox	Ornamental Cedar
Ot	Tree of Heaven
Ou	Chilean Nothofagus
Oy	Silverleaf Elm (southern)
Oe	European Elm
Oa	Oregon Ash
Ow	White Ash
Ob	Black Locust Robinia
Oh	Tree of Heaven
Ol	Other Exotic Species
PI(x)	PINE
Pm	Monterey Pine
Pn	Nine Pine
Pp	Ponderosa Pine
Pr	Red Pine
Ps	Scots Pine
Pw	Swiss Stone Pine

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 - 5.0
2	5.1 - 10.0
3	10.1 - 19.4
4	19.5 - 26.4
5	26.5 - 32.4
6	32.5 - 41.4
7	41.5 - 48.4
8	48.5 - 54.4
9	55.5 +

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
X	86 - 100

4d SITE INDEX

Estimated site index is the expected metre referenced at 50 years breast height age. It is based on the age and height of the leading species. When an accurate SI cannot be obtained from height/age curves, estimates are made from ecological plots.

4e ESTIMATED SITE INDEX

Estimated site index is the expected metre referenced at 50 years breast height age. It is based on the age and height of the leading species. When an accurate SI cannot be obtained from height/age curves, estimates are made from ecological plots. Associated fields in the data base are inventory type group and the estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (No 'A' and 'I' records)

NON-TREED SHRUB
- SL - SHRUB - shrub with average shrub height > or = to two metres.
- S - SHRUB - shrub with average shrub height < two metres.

NON-TREED HERB
- H - HERB - herb with no distinction between forbs and graminoids.
- HF - FORBS - herb with forbs > 50% of the herb cover.
- HG - HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-VEGETATED
- R - Rock / Rubble
- W - Water / Ice

Mg - MIXED WOOD - found with no distinction between trees and shrubs by cover
- MH - MIXED - HERB - found with no distinction between trees and herbs by cover
- MW - MIXED - WOOD - found with no distinction between shrubs and herbs by cover

NON VEGETATED CATEGORIES (No 'A' and 'I' records)

ae	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	i	ICE	ms	MUDFLAT SILT/CLAY SPOIL
bl	BLOCKFIELD	l	LAKE BED	os	OCEAN
bo	BOGROCK	la	LANDING	ot	OTHER
c	CONSTRUCTION AREA	ls	LANDSLIDE SCIENTIFIC	rd	ROAD SURFACE
cu	CUTBANK	ls	LANDSLIDE SCIENTIFIC	rs	RESERVOIR
d	DUNE	m	MORAINE	ta	TALINGS
dy	DYKE/DIKE			u	UNKNOWN

Note: Water categories 5a, sp, rs, u must be labelled over 50 % of polygon coverage.

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

A	ALPINE	MP	NON-PRODUCTIVE	SAND	SAND
AT	ALPINE FOREST /Species	NPBG	NON-PRODUCTIVE BRUSH	SL	SHRUB - TALL
C	CULTIVATED	NPDS	NON-PRODUCTIVE DECIDUOUS	T	TUNDRA
D	DECIDUOUS	NPF	NON-PRODUCTIVE FOREST /Species		
G	GRASS, BAR	NTA	NON-TREED ALPINE	NC	NON COMMERCIAL
GL	GRASS, LUSH	P	PARKLAND	NCB	NON COMMERCIAL BRUSH
GT	GRASS, TALL	W	WETLAND	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MT	MEADOW	S	SNOW	NTR	NOT TREE FEASIBLE

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	N	Site Rehabilitation
B	Wildfire	O	Treatment Injuries
C	Cone and Seed Insects	P	Damage Unknown
D	Disease	U	Problem Vegetation
I	Insects	V	
M	Man-Damage		
N	Non-Biological Injuries		
P	Cone and Seedling Fungal Pathogens		

Example Opening History Details

Detailed Silviculture information is available on the BCGW (Warehouse) and VRIMS2. The MapView example is of thematic 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 selection for:

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

Overflow Labels

093K041