103F089

Vegetation Map
103F089

Scale 1:20,000

1 Kilometers

0 0.25 0.5 0.75

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / Ownership
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 portrayed may not be complete and up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- All Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railroads
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- INV. Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (> 1,000,000 ha - 15 % hatch)
- Municipal boundary (< 1,000,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

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

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1. Silviculture symbol and Opening Number
2. Polygon Number - with 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. stand is age class 2 (21-40 yrs), height class 1 (0.1-10 M), crown closure class 1 (6-15%), SI 20m
5. Non-Forest Descriptor - with percent coverage
   ex. a fen polygon with no distinction between forbs and graminoids, shrubs less that 3%
6. Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

-opening number - used for RESULTS mapsheet — 0009 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

VRIMS 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 - BC 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
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwi	Interior Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole (contorta)
Pli	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pw	Western White Pine
Pyi	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sit	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce - Unidentified
Sxs	Sitka x White
Sxl	Sitka x unknown hybrid
Sxw	White x Engelmann
Te	Western Yew

NATIVE HARDWOODS

D	BROADLEAF
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ae	Balsam Poplar
Ax	hybrid Poplars
Ay	Aspen (Trembling)
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska x Paper Birch hybrid
Ew	Water Birch (alder)
Ep	Paper Birch
K	CASCARA
Q	GARRY OAK
C	CHERRY
Uc	Bitter Cherry
Ue	Pacific Crab Apple
V	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
R	ROWAN
Ep	Alaska Paper Birch
W	Black Willow
Wp	Pacific Willow
Wr	Peach-leaved Willow (Bankview)
Wy	Pussy Willow (grey leaved)
Ws	Scouler's Willow
Wil	Willow (Not to be used)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown deciduous (HE)
Z	other conifer
Zx	other hardwood

EXOTICS

Ab	Alder
Ae	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
Be	European Birch
Bpe	Birch (European)
Fp	Yellow Birch
CHERRY	
Ye	Japanese Cherry
CYPRESS	
Yo	*Port Orford Cedar
Ylb	*Alaska Cedar
Bl	*Noble Fir
Bn	*Nordmann Fir
Bs	*Sitka Fir
LARCH	
Lk	*European Larch
Ld	*Siberian Larch
MAPLE	
Mr	Red Maple
Mh	*Norway Maple
Ms	*Sycamore Maple
OAK	
Oc	*English Oak
Ow	*White Oak
PINE	EXOTICS
Pn	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
SPRUCE	
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 - 10.0
2	10.1 - 19.4
3	19.5 - 28.4
4	28.5 - 37.4
5	37.5 - 46.4
6	46.5 - 55.4
7	55.5 - 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

All SI are shown to the nearest metre referenced at 50 years breast height age. SI may be estimated by a variety of methods leading to error. Wherever accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when site SI less error present, e.g. estimated SI 20 with error of 3 is 17 to 23 m. The following examples illustrate it. Many factors affect the data base and inventory - Type Group and SI/E estimated source code.

Line 5 - Vegetation records 1

VEGETATED NON-TREE CATEGORIES (1st Y and 1 sp code)

NON-TREED SHRUB
- SH — shrub with average shrub height > or = to two metres.
- SHL — shrub with average shrub height < two metres.

NON-TREED HERB
- H — 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
- bry — BRYOID — bryoid with no distinction between mosses and lichens by cover.
- bm — BRYOID - MOSSES — bryoid with mosses > 50% of the bryoid cover.
- bl — BRYOID - LICHENS — bryoid with lichens > 50% of the bryoid cover.

NON TREED

a	Exposed Land
r	Rock / Rubble
s	Snow / Ice

NON-VEGETATED CATEGORIES (1st Y and 1 sp code)

ap	AIRPORT	gr	GRAVEL PIT
lw	BEACH	lk	LAKE
bf	BOG / FEN	lr	LANDFILL
lv	BEDROCK	ll	LANDING
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS
cl	CLEARING	rn	RIVER or STREAMS
sn	EXPOSED SOILS	sn	SNOW/ICE
gl	GLACIER		

mu	MUD/FLAT SEDIMENT
mz	RUBBLY MINE SPOILS
ot	TOWN
ot	OTHER
pr	SNOW COVER
rv	RIVER BANK
rn	RIVER / STREAM

rm	RESERVOIR MARGIN
rw	RAILWAY SURFACE
ro	ROAD SURFACE
ro	ROAD SURFACE
tz	TALUS
ww	WETLAND
ur	URBAN

Note: Water categories (la, ra, rv, rm) located over 81 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTION CODES (for 2 nd records)

A	ALPINE	NP	NON-PRODUCTIVE
B	BRUSH or FOREST-Species	NPB	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST -Species
G	GRASS or MEAD	OR	OPEN ROCK BLUFF
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
MUD	MUD FLAT	R	ROCK
MUD	MUD FLAT	S	SWAMP

SAND	SAND		
SF	SILT FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON-PRODUCTIVE		
NPBR	NON-PRODUCTIVE RE-STOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

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

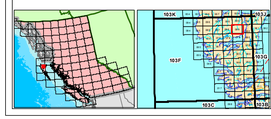
A	Animal Damage	L	Logging
C	Cone Crop	M	Mine Damage
D	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either RIF or ArcMap. The MapView example is of Internet 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 Map" to turn on display values for -

OPENING ID
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
RETENTION - FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels