083D066

Vegetation Map
083D066

Scale 1:20,000

0 0.25 0.5 0.75 Kilometers

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 contained in the Warehouse originates from a wide data collection, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revised June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Non-Forest, Opening, Yr Vegetation
- Permanent Sample Plot (2015)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fairies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrains
- Municipal boundary (> 1:600,000 ha - 15 % hatch)
- Municipal boundary (< 1:600,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

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

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

OJE
E0E
FdPlat
Pl 20
Inc
OL79

LINE DESCRIPTION
1. Silviculture symbol and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition
ex. the most important layers is described as Fd (Douglas Fir) and Pw (Western Hemlock).
4. Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. stand is age class 2 (21-40 yrs), height class 1 (3-10.4m), crown closure class 1 (6-10%), SI 20m
5. Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6. Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

OJE - opening number valid for BCGS mapsheet

E0E - 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 (a rank 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

Ba	Balsam
Cw	Western Red Cedar
Y	CYPRESS
Ac	Alaska Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
E	FIR (Balsam)
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
H	HEMLOCK (Western Hemlock Hybrid)
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
LW	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Ash Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Pli	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pyi	Ponderosa Hybrid
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sx	Sprucehybrid
Sxb	Sitka x White Spruce
Sxl	Sitka x Alpine
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Yc	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Dr	Red Alder
U	APPLE
At	ASPEN, Black-Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ad	Black Cottonwood
Ai	hybrid Poplars
Ae	Trembling Aspen
E	ARBUTUS
Ata	Arbutus
Ep	Paper Birch
Ea	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ey	Paper Birch
K	OAK/ARA
Kc	Oregon
Kg	Garry Oak
Q	Garry Oak
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Bebb's)
Wpl	Pacific Willow (pre-Averill)
Ws	Scouler's Willow
Wil	Sitka Willow (late-leaved)
UNKNOWN - OTHER	
Ax	unknown conifer
Ax	unknown conifer
Ax	unknown hardwood
Ax	unknown broadleaf (non-tall)
Z	other conifer
Zx	other hardwood

EXOTICS

Ue	Apple
Ai	ASPEN, COTTONWOOD or POPLAR
Ab	BIRCH
Ze	European Birch
Ze	Swedish (Masaryk)
Ey	Yellow Birch
Ey	CHERRY
Cp	Pin Cherry
U	CYPRESS
Ty	Port Orford Cedar
F	FIR (Balsam)
Bl	Alpine Fir
Bp	Noble Fir
Bg	Grand Fir
Ue	Hybrid
	LARCH
Le	European Larch
Lj	Japanese Larch
MAPLE	
Mb	Box Elder
Mr	Norway Maple
Ms	Sycamore Maple
O	OAK
Og	Douglas Oak
Or	White Oak
P	PINE, EXOTICS
Pa	Austrian Pine
Pn	Mountain Pine
Pr	Red Pine
Ps	Scots Pine
Pw	White Pine
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 - 10.4
2	10.5 - 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	6 - 10
2	11 - 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

All SI are shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees (usually the largest trees by age and height), whichever is shown either, or in between the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. young stands. Numbers 1 to 9 are used to label which site is provided for the first species listed in the Species Composition and Inventory Type Group and SI estimated source code.

Line 5 - Vegetation records

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

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

NON-TREE HERB
- he HERB - herb with no distinction between forbs and graminoids.
- H HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- b BRYOID - bryoid with no distinction between mossoid and lichens by cover.
- bm BRYOID - MOSS - bryoid with mossoid, liverwort, and hornwort > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

aa	AIRPORT	gl	GRAVEL PIT
ar	ROCK PILE	ha	HAY FIELD
bl	BOG/YIELD	lk	LAKE-MED
br	BEDROCK	lt	LANDING
cb	CUTBANK AREA	ms	MISC LAKE SEDIMENTS
cb	CUTBANK	ms	OPEN PIT MINE
ee	EXPOSED SOILS	mv	MORAINE
gl	GLACIER		
mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
ra	RIVER BANK SOILS	rs	RIVER SEDIMENTS
rs	RIVER SEDIMENTS	ru	ROAD SURFACE
oc	OCEAN	s	SLIDE
ot	OTHER	t	TAILINGS
rb	RIVER GRAVEL	ur	URBAN
rs	RESERVOIR		
r	RIVER / STREAM		

Note: Water categories (lk, ms, rs, r) not labelled on the 50 percent coverages.

NON-FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for E records)

A	ALPINE	NPBN	NON PRODUCTIVE BRUSH
AF	ALPINE FOREST (Krummholz)	NPBU	NON PRODUCTIVE BURN
C	CULTIVATED	NPBU	NON PRODUCTIVE FOREST (Spruce Willow)
G	GRASSLAND	NPL	NOT PHYSICALLY AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
H	HERBACEOUS	P	HAYFIELD
M	MOSSES	R	ROCK
MUD	MUDFLAT	S	SWAMP
SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NF	NON FORESTED		
NFB	NOT SUFFICIENTLY STOCKED		
NPA	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.

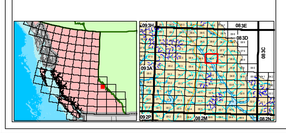
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
D	Deciduous and Seed Insects	N	Non-Biological Injuries
G	Grazing	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Reforestation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of derived 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
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels

083D066

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