Vegetation Map
092F079

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 - VRMS / 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 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 (CVS)
- Research Installations

TRIM - Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkedfeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Cluser - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RV Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (1:1000,000 ha = 15 % hatch)
- Municipal boundary (1:1000,000 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:

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 (Douglk Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
5 Vegetated Cover Class or Non-Forest/Productive Descriptor (ex), crown closure class 1 (6-15%), SI 20m
6 Vegetated Density Class or Non-Forest/Productive Descriptor
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
7 Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number

OOOR - opening number valid for BCGS mapsheet NOR - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

VRMS 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

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Douglas Fir (Coastal)
Fdi	Douglas Fir (Interior)
Fdx	Douglas Fir (Hybrid)
Fdp	Douglas Fir (Prince George)
Fdv	Douglas Fir (Vancouver)
Fdw	Douglas Fir (Williams Lake)
Fdx	Douglas Fir (Hybrid)
Fdy	Douglas Fir (Yellowstone)
Fdz	Douglas Fir (Zuni)
Fdc	Douglas Fir (Coastal)
Fdi	Douglas Fir (Interior)
Fdx	Douglas Fir (Hybrid)
Fdp	Douglas Fir (Prince George)
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Fdz	Douglas Fir (Zuni)

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Ac	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
At	Trembling Aspen
Ax	Hybrid Poplars
Ep	Paper Birch
E	BIRCH
Ew	Alaska Paper Birch
Ewp	Alaska x Paper Birch hybrid
Ey	Yellow Birch (white)
Ew	Paper Birch
K	CASCARA
Cc	Cascara
Ch	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unidentified
Gz	Pacific Dogwood (western flowering)
M	MAPLE
Dm	Broadleaf Maple (deadleaf)
Ac	Vine Maple
Q	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bandy's)
Ww	Pussy Willow (grey-leaved)
Wr	Red Willow
Wl	Sitka Willow (lowbrowed)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xd	unknown deciduous
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ap	APPLE
Ua	Unidentified
	ASPEN, COTTONWOOD or POPLAR
*	*Southern Cottonwood
Ab	BIRCH
Ea	European Birch
Ey	Yellow Birch
Ey	Yellow Birch
Ch	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yp	*Port Orford Cedar
L	LARCH
Lk	*Dahurian Larch
Lr	*European Larch
M	MAPLE
Me	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
O	OAK
Oa	*English Oak
Or	*Red Oak
	OTHER EXOTICS
Ox	*Incense Cedar
Ol	*Western Larch
Oc	*Coast Redwood
Oa	European Mountain Ash
Ou	Unidentified (exotic)
Of	Common Fig
Og	Oregon Ash
Ot	*Tree of Heaven
O	*Strawberry Hickory
Ot	Tree of Heaven
Ow	*Black Walnut
PINE	
Pm	*Monterey Pine
Pn	*Austrian Pine
Py	*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	141-250
9	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 1.9
2	2.0 - 10.4
3	10.5 - 28.4
4	28.5 - 37.4
5	37.5 - 46.4
6	46.5 - 53.4
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 is based on the age and height of the dominant trees. Site index is estimated from the relationship between age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when available SI does exist at present, e.g. young stands (<30yrs). It is denoted by a slash which always follows the SI, e.g. 20/ or 20/Fd. Most SI values are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

NON-TREED SHRUB
- w SHRUBTALL - shrub with average shrub height > or = to 2 metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h HERB - herb with no distinction between forbs and graminoids.
- f HERB - FORBS - herb with forbs > 50% of the herb cover.
- g HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOID - bryoid with no distinction between moisses and lichens by cover.
- m BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- l BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT
be	BEACH	li	LAKE
bl	BOULDERFIELD	mi	MINE RD
br	BEDROCK	rk	LANDING
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS
cb	CUTBANK	mn	MINE MINE
ea	EMPLACED SOILS	nw	WORKING
gl	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
mr	RUBBLY MINE SPOILS	rm	RAILWAY SURFACE
ro	ROCK	rd	ROAD SURFACE
ot	OTHER	rd	ROAD SURFACE
sn	SNOW COVER	ta	TALUS
ri	RIVER / STREAM	ta	TALUS
ri	RIVER / STREAM	ur	URBAN

Note: Water categories ea, ot, ri, rl not labelled on 90 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE
B	BRUSH / FOREST Opening	NPB	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBL	NON-PRODUCTIVE BURN
OL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Openins
OG	GRAVEL BAR	NA	OPEN NOT AVAILABLE
GR	GRAVEL PIT	OA	OPEN NOT AVAILABLE
ICE	ICEFIELD	P	HAYFIELD
OR	OUTCROP	R	ROCK
WLO	WILDLIFE OPENING		SWAMP

SAND	SAND		
SF	SALT FLAT		
URBAN	URBAN		
NC	NON COMMERCIAL		
NCBL	NON COMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NVR	NOT SUFFICIENTLY RESTOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

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

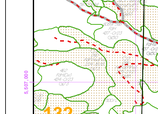
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed 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" to turn on display values for :

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



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