092E020

Vegetation Map
092E020

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 / 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 this product is compiled and is subject to change. Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revised in 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:
- 4x 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
- Hydrolines - 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 - 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:
- 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 (Douglis 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 (0.1-10.4m), crown closure class 1 (6-15%). SI 20m
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 1978

Line 1 - History Record Opening Number

- 0127 - opening number valid for BCGS mapsheet
- 2039 - 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: requires 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	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jf	Rocky Mtn. Juniper
L	LARCH - Larch/Tamarack
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pm	Mountain Hemlock
Pw	Shore Pine (coastal)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Equelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Yew	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Up	Pacific Crab Apple
Ac	BALSAM, COTTONWOOD or POPLAR
At	Poplar
Abl	Balsam Poplar
Act	Black Cottonwood
Ae	Hybrid Poplars
At	Trembling Aspen
Ax	Aspen hybrid
Ba	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (Montane)
Ew	Water Birch
K	CASCARA
G	DOGWOOD
V	GIVERNY
Vb	Bitter Cherry
Vc	Choke Cherry
Vu	Pin Cherry
Y	YOUNGIO
Qg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (bracleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wc	Coast Willow
Wa	Fascinated Willow (Barrida's)
Ww	Pasky Willow (grey leaved)
Wp	Prairie Willow
Ws	Sitka Willow (sea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (see notes in list)
Zc	other conifer
Zh	other hardwood

EXOTICS

E	APPLE
Ue	BALSAM, COTTONWOOD or POPLAR
Ae	*Southern Cottonwood
Ze	Poplar
Ze	European Birch
Ek	Silver Birch (swamp)
Ep	*Paper Birch
Ek	*White Fir
Vs	Sweet Cherry
Vm	Mazzard
Vp	*Pont Orford Cedar
Bb	FIR (Balsam)
Bb	*Balsam Fir
Bl	*Subalpine Fir
Bm	*Shasta Red Fir
Bc	*White Fir
LA/Ml	LARCH
Lf	*Siberian Larch
Ld	*Siberian Larch
Ma	Box Elder
Mb	*Norway Maple
Mn	*Japanese Maple
Qw	*English Oak
Qm	*Pedunculate
Ow	OTHER EXOTICS
Ow	*Incense Cedar
Oc	*Lawson Cypress
Oc	*Cedar Redwood
Of	European Mountain Ash
Oa	*Black Locust (Robinia)
Of	Common Pear
Og	Oregon Ash
Ol	*Black Ash
O	*Shaughnnik Hickory
Ot	Tree-of-Heaven
Ok	Japanese Walnut (Heartnut)
Pm	*Monterey Pine
Pi	*Red Pine
Ps	*Sugar Pine
Sn	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 - 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)
0	0 - 5
1	6 - 15
2	16 - 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 in the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. Where an 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 available SI does not exist,present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Associated fields in the data base 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
- sh - SHRUB - shrub with average shrub height > or = to two metres.
- sl - SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he - HERB
- hf - HERB - FORBS - herb with no distinction between forbs and graminoids.
- hg - HERB - GRAMINOIDS - herb with graminoids > 80% of the herb cover.

NON-TREED BRYOID
- by - BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm - BRYOID - MOSS - bryoid with mosses, liverwarts, and hornwarts > 50% of the bryoid cover.
- bl - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- E - Exposed Land
- m - Rock / Rubble
- w - Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ai	AIRPORT	gr	GRAVEL PIT
ic	ICEFIELD	la	LAKE
lb	BLOCKFIELD	s	LAVA BED
lc	BEDROCK	L	LANDING
ld	DISTURBED AREA	ls	LAKE SILT/LAKE SEDIMENTS
rk	CUTBANK	op	OPEN PIT MINE
ea	EXPOSED SOILS	mn	MORAINE
gl	GLACIER	mu	MUD/SILT SEDIMENT
		rb	RUBBLE/ MINE SPOILS
		st	OCEAN
		st	OTHER
		rz	PERMANENT SNOW
		rs	RESERVOIR
		r	RIVER / STREAM
		rm	RESERVOIR MARGIN
		rw	RAILWAY SURFACE
		rv	RIVER SEGMENTS
		u	ROAD SURFACE
		sa	SAND
		ta	TAILINGS
		u	URBAN

Note: Water categories (la, ou, re, rv) not labelled over 50 percent coverage.

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

AF	ALPINE FOREST / Spruce	NPBR	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBO	NON-PRODUCTIVE BURN
CL	CLEARING	NPF	NON-PRODUCTIVE FOREST / Spruce
GR	GRASSLAND	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	R	RANGELAND
ICE	ICEFIELD	r	RIVERBED
M	MEADOW	R	ROCK
NOT	NOT TYPED	S	SWAMP
		SAND	SAND
		TIDE	TIDAL FLAT
		U	URBAN
		NC	NON COMMERCIAL
		NCBR	NON COMMERCIAL BRUSH
		NP	NON-PRODUCTIVE
		NSR	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.

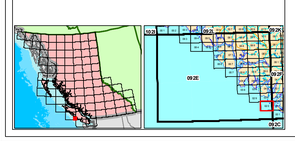
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of the new EREGULATS 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

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