082K002

Vegetation Map
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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 / Terrestis

This map is derived 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)

Lands Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- As Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Parkes
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrants/Markers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- Mgt Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrasis
- Municipal boundary (< 1:500,000 for ~15 % tech)
- Municipal boundary (< 1:500,000 for ~ no tech)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- MCSS 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
4. Age, Height, Crown Closure, Site Index - separated by /
5. Vegetated Density Class (or Non-Forest/Productive Description)

Fd 1 / Pl 2 / Sx 3 / Hw 4 / Bg 5 / Ac 6 / Ep 7

ex. stand is age class 2 (21-40 yrs), height class 1 (1.1-10.4m), crown closure class 1 (6-15%), SI 20m
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
ex. Cottonwood riparian, 1 year - rec 1 upgrade in 1979

Line 1 - History Record Opening Number

xxxx - opening number valid for RESULTS mapsheet — zzzz - 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 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	Cedar, Red Cedar
Y	YELLOW CEDAR
Yc	Yellow Cedar
H	HEMLOCK
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	FIR (Subalpine)
Ba	Amabilis Fir
Bl	Alpine Fir
Bg	Subalpine Fir (Alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain x Western Hemlock hybrid
P	PINE
Pl	Rocky Mtn. Juniper
Jr	Juniper Juniper
Lw	Larch
Lt	Alpine Larch
Lt	Tamarack
Lw	Western Larch
PINE	
Pl	Jack Pine
Pli	Lodgepole Pine
Pl	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plg	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pa	Whitebark Pine
SPRUCE	
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Hybrid White
Sxs	Hybrid Sitka
Sxs	Sitka x unknown hybrid
Ss	Sitka
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
D	Red Alder
Ua	Alder
Up	Pacific Crab Apple
A	APSEN, COTTONWOOD or POPLAR
At	Aspen
Ba	Balsam Poplar
Act	Black Cottonwood
Ep	Common Poplar (Aspen)
Ai	Trembling Aspen
Ax	Poplar hybrid
Ax	Willow hybrid
E	BIRCH
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ea	Water Birch
C	CEDAR
Ac	Cascara
Ac	Red Alder
Vs	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
DOGWOOD	
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bebb's)
Wd	Pussy Willow (grey-stemmed)
Wr	Red Willow
Wl	Sitka Willow (lace-leaved)

UNKNOWN - OTHER

U	unknown conifer
Ac	unknown deciduous
Ah	unknown hardwood
Ax	unknown hardwood (alt)
Cl	other conifer
Dh	other hardwood

EXOTICS

APPLE	
Ua	Apple
A	ASPEN, COTTONWOOD or POPLAR
Act	Hybrid Cottonwood
B	BIRCH
Ep	European Birch
Ep	Silver Birch (swamp)
CEDAR	
Cw	CEDAR
Vs	Sweet Cherry
Vp	Pin Cherry
Cwr	Red Cedar Cedar
FIR (Balsam)	
Bp	Balsam Fir
Bc	Noble Fir
Bm	Shasta Red Fir
Bg	White Fir
LARCH	
Lyl	Subalpine Larch
Lyl	Subalpine Larch
MAPLE	
Mb	Box Elder
Mg	Norway Maple
Ms	Sycamore Maple
OAK	
Or	Red Oak
Ow	White Oak
OTHER EXOTICS	
Oa	Horse Chestnut
Oh	Hybrid Spruce
Oe	European Alder
Ob	Black Locust
Oc	Coast Redwood
Ol	European Mountain Ash
Ou	Common Hackberry
Ol	Common Pear
Og	Dragon Ash
Oa	Mountain Ash
O	Douglas-fir Hybrid
Q	Tree of Heaven
Ow	Western Redcedar
PINE	
Pn	Austrian Pine
Pw	Swiss Stone Pine
Pa	Whitebark Pine
Pa	Pine hybrid
Pn	Austrian 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	141-250
9	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 13.4
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 estimates for the reserve trees referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant trees on the site. Site Index Curves for the dominant species age and height combination is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when species SI class cannot present, e.g. young stands (<30yrs). It is denoted by a slash which always follows the species code (e.g. Fd/ or Fd/3). Refer to the Inventory Type Group and SI if detailed source data.

Line 5 - Vegetation records

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

NON-TREED SHRUB
- sa SHRUB ALDER — shrub with average shrub height 1 or 2 m heights.
- sw SHRUB LOW — shrub with average shrub height < two metres.

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

NON-TREED BRYOID
- by BRYOID — bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS — bryoid with mosses, hornworts, and liverworts > 70% of the bryoid cover.
- bl BRYOID - LICHENS — bryoid with lichens > 70% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I polygons)

ae	AIRPORT	gr	GRAVEL PIT	ms	MUD/FLAT SEDIMENT
b	BEACH	l	LAKE	mv	MUD/FLAT SEDIMENT SHOALS
bl	BLOCKFIELD	la	LAKE-MED	o	OCEAN
br	BEDROCK	lr	LANDING	o	OTHER
cb	CLIFF/BLUFF/TALUS	rd	RIVER/LAKE SEDIMENTS	r	RIVER/STREAM
cl	CUTBANK	rs	GRAVEL/PIT MINE	r	RESERVOIR
dr	EXPOSED SOIL	rw	NORMAL	r	RIVER - ESTUARY

Note: Water categories (r, o, la) detailed on 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTION CODES (for I records)

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST-Stunted	NPBE	NON-PRODUCTIVE BELOW	TIDE	TIDAL FLAT
CL	CLAY	NPBG	NON-PRODUCTIVE BURNT	U	UNKNOWN
CL	CLAY BANK	NPBR	NON-PRODUCTIVE BRUSH - Openw.		
GL	GRAVEL BAR	NRA	NOT FOREST/AVAILABLE	NC	NON-COMMERCIAL
GL	GRAVEL PIT	NRL	NOT FOREST/LEGAL	NCBR	NON-COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON-PRODUCTIVE
MUD	MUD/FLAT	R	ROCK	NPSC	NON-PRODUCTIVE STOCKED
MUD	MUD/FLAT	S	SNOW	NTA	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.

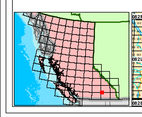
A	Animal Damage	L	Logging
C	Cultural	N	Wild Damage
E	Crow and Weed Insects	N	Non-Biological Injuries
D	Diseases	P	Crow and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

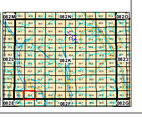
Example Opening History Details

Detailed Silviculture information is available on the BCGW
Data Catalogue under Forestry. The Map View example is of Harvest 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