093M059

Vegetation Map
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BRITISH COLUMBIA
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 - VRIMS / 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 contained 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
- Enclosure Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aw/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RAY 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:

```
SC
ES3
Fd5Hw
Cw4 _1L
9M
SI29
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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 (Dougla 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 29m
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 1979

Line 1 - History Record Opening Number

SC - opening number valid for BCGS mapsheet ZOX - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
A, ... 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 labelled 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 dataed 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
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetcle Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pl	Lodgep Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole Pine x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Ps	Shore Pine (coast)
Psi	Scots/Mongolian Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dl	Red Alder
U	APPLE
Ue	PACIFIC Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Ep	Pacific Dogwood
Ed	Ealtcot
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Cascara
K	CHERRY
Kb	Bitter Cherry
Ky	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Boxelder
Mv	Vine Maple
Mx	Broadleaf
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peach-leaf Willow (Bandaly's)
Wy	Pussy Willow (gray-leaved)
Ws	Scouler's Willow
Wil	Sitka Willow (low-leaved)
	UNKNOWN - OTHER
Xc	unknown conifer
Xh	unknown hardwood
Xl	Other (does not on list)
Zz	Other conifer
Zh	other hardwood

EXOTICS

	APPLE
Ua	Apple
	ASPEN, COTTONWOOD or POPLAR
Ad	Northern Cottonwood
	BIRCH
Ea	European Birch
Ekl	Kamchatka Birch
Ey	Yellow Birch
	CHERRY
Ky	Sweet Cherry
	CYPRESS
Yg	Pacific GSRO Cedar
	FIR (Balsam)
Bb	Balsam Fir
Bbl	Alpine Fir
Bm	Shasta Red Fir
Bc	White Fir
	LARCH
Lk	Box Elder
Mh	Norway Maple
Ms	Sycamore Maple
OAK	
Qe	English Oak
Qm	White Oak
	OTHER EXOTICS
Oa	Black Locust
Os	Giant Sequoia
Ok	Cased Redwood
Ob	European Mountain Ash
Oe	Siberian Elm (southern)
Oh	Horse Chestnut
Oj	Oregon Ash
Ot	White Ash
Op	Black Walnut Hickory
Oj	Tree-of-heaven
Ok	Japanese Walnut
	PINE
Pm	Mexican Pinyon Pine
Pr	Red Pine
Pj	Single 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 - 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

SI 37 are shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. When 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 suitable SI trees aremnt present, e.g. young stands (<30yrs). It is denoted by a stash 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
- s - shrub with average shrub height > or = to two metres.
- si SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB
- hf HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with garminoids > 50% of the herb cover.

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

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	l	LAKE	mv	RUBBLY MINE SPOILS
bl	BLOCKFIELD	b	LAVA BED	o	OCEAN
bo	BOULDERS	m	MARSH	ps	PATIO SLAB
bu	BURNED AREA	h	POND or LAKE SEDIMENTS	pn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	r	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories (a, m, or, r) not labelled cover 80 percent coverage.

mr	RESERVOIR MARGIN
mr	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rd	ROAD SURFACE
t	TALUS
tl	TAILINGS
u	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
B	BOREAL FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	SF	SALT FLAT
C	CULTIVATED	NPBS	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
D	DRY FARM	NPL	NON PRODUCTIVE LAND	NC	NON COMMERCIAL
GR	GRAVEL PIT	OA	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	S	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	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
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

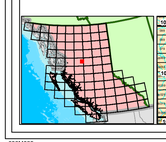
Example Opening History Details

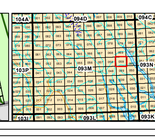
Detailed silviculture information is available on the BCGW and through MAPVIEW Map. The MapView example is of thinned RESULTS data.

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

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