093C038

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 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
- Syncture Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/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
- 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 Silvicultura 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 He (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 Species Composition (see Species Composition Above Description)
ex. a 5 with a 4 with a 3 denotes between 6/8ths and 7/8ths and 5/8ths and 6/8ths
6 Disturbance history & year - ex: Logged in 1978

Line 1 - History Record Opening Number

opening number valid for BCGS mapsheet — 999 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS 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 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)
Bp	Balsam
Hw	Western Hemlock
Hw	Western Hemlock
Hm	Mountain Hemlock Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plq	Lodgepole x Jack Pine hybrid
Pli	Lodgepole Pine (Interior)
Pw	Shore Pine (coastal)
Pw	Western White Pine
Ps	Scots Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Vp	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Act	Balsam Poplar
Ac	Black Cottonwood
At	Hybrid Poplar
At	Trembling Aspen
R	ARBUTUS
Rp	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eal	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
C	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vi	Pin Cherry
Vm	Mazzard
Vp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broad-leaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wt	Peachleaf Willow (Barclay's)
Ww	Pussy Willow (gray-leaved)
Wr	Scouler's Willow
Ws	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xn	unknown softwood
Z	OTHER (tree not on list)
Zh	other hardwood
Zn	other softwood

EXOTICS

U	APPLE
Uf	Flowering Crab
Af	ASPEN, COTTONWOOD or POPLAR
Be	Southern Cottonwood
Ep	European Birch
Ey	Silver Birch (swamp)
Ew	Weeping Birch
Vt	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yo	Port Orford Cedar
Yn	Nootka Cedar
Bl	Subalpine Fir
Bp	Noble Fir
Bpa	Grand x Noble Fir
Bm	White Fir
L	LARCH
Ld	European Larch
Ljs	Siberian Larch
MAPLE	
Mr	Red Maple
Mn	Norway Maple
Mp	Sycamore Maple
Qe	English Oak
Qr	Red Oak
OTHER EXOTICS	
Ce	Incense Cedar
Ch	Atlantic Cedar
Cl	Cedar Redwood
Od	European Mountain Ash
Oa	Siberian Elm (southern)
Ow	Common Pear
Oy	Oregon Ash
Ph	Monterey Pine
Pn	Red Pine
Ps	Sugar Pine
PINUS	
Pm	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	101-140
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 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 combination it is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aremit present, e.g. young stands (<30yrs). It is denoted by a slash which shows provinces 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 TALL - shrub with average shrub height > or = to two metres.
- st SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- hf HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% 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, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ac	ANTHROPOGENIC	mt	MUD FLAT	mu	MUDFLAT SEDIMENT
be	BEACH	ga	GANG	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bo	BOULDERS	sa	SAND/DUNE	oi	OIL/GAS
br	BURNED AREA	sb	POND or LAKE SEDIMENTS	ow	SNOW COVER
cb	OUTBANK	re	RESERVOIR	sf	SURFACE
ea	EXPOSED SOILS	rm	MORAINE	wr	RIVER / STREAM
gl	GLACIER				

NON VEGETATED
- ar Exposed Land
- ro Rock / Rubble
- sn Snow / Ice

- rm RESERVOIR MARGIN
- rn RAILWAY SURFACE
- rs RIVER SEDIMENTS
- ru ROAD SURFACE
- ta TALUS
- tl TAILINGS
- ur URBAN

Note: Water categories (la, oc, re, rl) not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
B	BOG / TREED FOREST /Species	NPB	NON PRODUCTIVE BRUSH	SL	SILT / CLAY LAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRASS / HERB	NV	NON VEGETATIVE	NC	NON-COMMERCIAL
GR	GRAVEL PIT	OA	OPEN/ALPINE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	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.

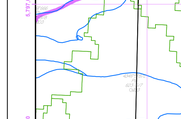
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

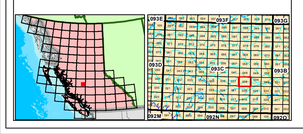
Example Opening History Details

Detailed Silviculture information is available on the BCGW 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 Map" 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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093C048
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093C039
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093C029

48-77

48-90

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Cariboo-Chilcotin Natural Resource District

RANGE 3 COAST DISTRICT

124°36'0"W 391,000 124°35'0"W 392,000 124°34'0"W 393,000 124°33'0"W 394,000 124°32'0"W 395,000 124°31'0"W 396,000 124°30'0"W 397,000 124°29'0"W 398,000 124°28'0"W 399,000 124°27'0"W 400,000 124°26'0"W 401,000 124°25'0"W 402,000 124°24'0"W 403,000 124°23'0"W 404,000 405,000

52°40'0"N 5,807,000 52°37'0"N 5,802,000 52°34'0"N 5,797,000 52°31'0"N 5,792,000 52°28'0"N 5,787,000

Overflow Labels

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