093G003

Vegetation Map
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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, 2018

MAP SYMBOLOGY

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

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/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 - 10 % 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. S/h/c/s/t/e symbol and Opening Number
2. Polygon Number (for multi-layer stand indicator (L))
3. Species Composition
   ex. the most important layer is described as Fd (Douglas 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 1979

Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet 0000 - 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 Compsition: 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
Ce	Alaska Cedar
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sitka/Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pl	Lodgepole Pine
Pli	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (boreal)
Pxj	Shore Pine (coastal)
Pw	Western White Pine
Pxw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Lutz/Alaska hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Paper Birch Alpine
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ate	Eastern Poplar
Atd	Black Cottonwood
Ath	Balsam Poplar
Ax	Hybrid Aspen
R	ARBUTUS
Rm	Pacific Madrone
E	BIRCH
Ew	Alaska Paper Birch
Ewp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
K	Cascara
V	CHERRY
Vm	Pin Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Bitter Cherry
Vv	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bonito's)
Ww	Pussy Willow (gray-leaved)
Wr	Red Willow
Wf	Sitka Willow (low-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ua	APPLE
	Apple
Ac	Black COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ek	*European Birch
Es	Silver Birch (weeping)
Ey	*Yellow Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yp	*Nootka False Cedar
	FIR (Balsam)
Bb	*Balkan Fir
Bn	*Nikko Fir
Bpa	*Veitch's Red Fir
Br	*White Fir
	LARCH
Lj	*Dahurian Larch
Ls	*European Larch
	MAPLE
Mk	*Norway Maple
Mp	*Sycamore Maple
	OAK
Qe	*English Oak
Qm	*Pedunculate Oak
	OTHER EXOTICS
Oa	*Incense Cedar
Oc	*Monterey Cedar
Ol	*Giant Redwood
Od	European Mountain Ash
Oj	*Japanese Cedar/Red
Of	Common Pear
Og	Oregon Ash
Oq	*Holly
O	*Shagbark Hickory
Oj	Tree-of-heaven
Ow	*Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Red Pine
Py	*Ponderosa Pine
	SPRUCE
Se	*Norway Spruce
	*Hunt Orford Cedar
Yp	*Nootka False Cedar
	WALNUT
Mb	*Butternut
Mn	*Black Walnut

Line 4

4a. AGE CLASS

CODE	AGE CLASS (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	HEIGHT CLASS (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	CROWN CLOSURE (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 curves are based on inventory type age and height; estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aremt present, e.g. young stands (<50yrs). It is denoted by a dash which always precedes the estimated value. All SI values are Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I record's)

NON-TREED SHRUB
- si SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl 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 BRYOID - 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
- vl Exposed Land
- vr Rock Bluff
- vi Snow / Ice

NON-VEGETATED CATEGORIES (for V and I record's)

aa	AERIAL	ga	GravelPit	mu	MUDFLAT SEDIMENT
bl	BEACH	gl	GRAVEL	mv	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bo	BOULDERS	lk	LAKE	or	RIVER SEDIMENTS
bs	BURNED AREA	ls	LANDING/LAKE SEDIMENTS	os	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mn	MOUNDED	rv	RIVER / STREAM
ra	RAVEINE				

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

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

A	ALPINE	NPC	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPCB	NON PRODUCTIVE BRUSH	SF	SPECIAL FLAT
C	CULTIVATED	NPMU	NON PRODUCTIVE BURN	URBAN	URBAN
CL	CLAY BANK	NPT	NON PRODUCTIVE FOREST Species		
DU	DUNE (SAND)	OC	OPEN CANOPY ABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OG	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE	R	ROCK	NPBR	NON PRODUCTIVE - RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NOTYTPING 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.

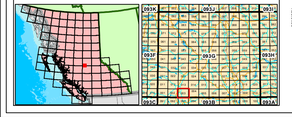
A	Animal Damage	L	Logging	R	Site Rehabilitation
W	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	S	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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 LABEL
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



093G012
093G013
093G014
093G002
093G008
093G004
093B092
093B093
093B094
55-60
55-26
55-32
55-33
55-29
55-31
64
Quesnel Natural Resource District
CARIBOO DISTRICT

Overflow Labels

093G003