092J068

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 - VRMS / 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
- Structure Opening in Vegetation
- Permanent Sample Plot - (2YS)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Net/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:

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LINE  DESCRIPTION
 1    1 Silviculture symbol and Opening Number
 2    2 Polygon Number and multi-layer stand indicator (L)
 3    3 Species Composition
      ex: the most important layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
 4    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    5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
      6 Line 6 Inventory Type Group or combination between forbs and graminoids, shrubs less that 2m.
      7 Disturbance History - ex - Logged in 1978
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Line 1 - History Record Opening Number

'OXX' - opening number valid for BCGS mapsheet 'ZXXX' - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIM2 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 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	Nootka Cypress
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	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Hemlock x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Plc	Coastal Pine
Pli	Lodgepole Pine (interior)
Ply	Lodgepole x Jack Pine hybrid
Pm	Mountain Hemlock
Psy	Shore Pine (coast)
Pw	Western White Pine
Pxj	Hybrid Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sxl	Sitka Spruce
Sw	White Spruce
Sxe	Spruce Hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Yew	YEW
Tw	Western Yew

NATIVE HARDWOODS

E	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Poplar
Acf	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
V	BIRCH
Vp	Alaska Paper Birch
Vpf	Alaska x Paper Birch hybrid
Vw	Paper Birch (white)
Vy	Water Birch
K	CASCARA
Kv	Cascara
Y	CHERRY
Ym	Black Cherry
Yo	Choke Cherry
Up	Pin Cherry
Um	Bitter Cherry
Up	Pacific Dogwood (western flowering)
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bertrey's)
Ww	Pussy Willow (gray-leaved)
Wr	Scouler's Willow
Wt	Sitka Willow (thin-leaved)

UNKNOWN - OTHER

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

EXOTICS

AP	APPLE
Ae	Apple
At	ASPEN, COTTONWOOD or POPLAR
Atc	Western Cottonwood
Ep	BIRCH
Ea	European Birch
Epg	Purple Birch (weeping)
Ep	*Yellow Birch
Yp	CHERRY
Yps	*Purple Cherry
Yp	CYPRESS
Ypo	*Port Orford Cedar
Ypn	*Nootka
Bp	*Balsam Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
F	FIR
Ld	*Dahurian Larch
Lo	*Siberian Larch
Pa	PINE
Pm	Box Elder
Mr	*Norway Maple
Mb	*Sycamore Maple
QXX	
Qe	*English Oak
Qm	*Mongolian Oak
	OTHER EXOTICS
Ce	*Incense Cedar
Cp	*Port Orford Cedar
Gf	Common Pre-Spruce
Og	Oregon Ash
Qr	*Red Oak
Qm	*Mongolian Hickory
Cj	Tree-of-Heaven
Ge	Japanese Walnut
YEW	
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar Pine
SPR	
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 to the nearest metre whenever at 50 years Breast Height Age. SI is based on the age and height of the dominant trees. The SI is estimated when no other SI is available from age and height, overlooked SI is shown after, or replaces the SI.

4e: ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arenot present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the SI. Estimated SI and Site Series 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
- st - SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl - SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h - 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 gaminoids > 50% of the herb cover.

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

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

ea	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bo	BOULDERFIELD	lk	LANDING	oc	OCEAN
bm	BEDROCK	li	LANDING	oo	OTHER
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	pn	SNOW COVER
ec	ESKER/CRAG	mi	MINE/QUARRY	ri	RIVER or STREAM
es	EXPOSED SOILS	mn	MORAINE	rs	RIVER / STREAM
gl	GLACIER				

NON-VEGETATED
- ei - Exposed Land
- ri - Rock / Rubble
- si - Snow / Ice

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
rp	PAVED SURFACE
ro	ROAD SURFACE
tv	TALUS
wa	WATER/SEA
ur	URBAN

Note: Water categories (ls, oc, re, ri) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F record/s)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
CL	CLEARING	NPBU	NON PRODUCTIVE BURN	U	URBAN
CP	CUT BLOCK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NOT TYPING AVAILABLE	NC	NON - COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
L	LANDING	OW	OPEN WOOD	NF	NON FORESTED
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NOT 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.

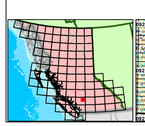
A	Animal Damage	L	Logging
B	Wildfire	M	Man Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

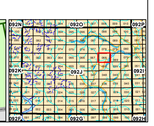
Example Opening History Details

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





Overflow Labels

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