094H090

Vegetation Map
094H090

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 meet the specifications 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CFS)
- 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
- Inshore/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 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 (Douglis 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 (0.1-10.4 m), 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 that 2m.
 6 Disturbance History & year - ex: Logged in 1978
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Line 1 - History Record Opening Number

- opening number valid for BCGS mapsheet
- 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 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Cy	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	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Limber Pine
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Ua	Pacific Crab Apple
A	ASPEN; COTTONWOOD or POPLAR
At	Poplar
Ab	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ew	Water Birch
Ep	CASCARA
Kc	Cascara
V	WILLOW
Vc	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Scouler's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bonsby's)
Ww	Pussy Willow (gray leaved)
Wy	Yellow Willow
Wf	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ux	APPLE
	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ee	European Birch
Es	Silver Birch (swamp)
Ep	White Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yo	*Nootka Cedar
	FIR (Balsam)
Bk	*Balsam Fir
Bm	*Fraser Fir
Bnn	*Khasis Red Fir
Bn	*White Fir
	LARCH
Ld	*Dahurian Larch
Le	European Larch
	MAPLE
Mr	Box Elder
Mn	*Norway Maple
Mt	*Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	PINE, OTHER CONIFERS
Cn	*Incense Cedar
Qs	*Giant Sequoia
Qc	*Coast Redwood
Mh	European Mountain Ash
Oc	Common Juniper (northern)
Oc	Common Pear
Oy	Oregon Ash
Ot	*Hop Tree
Cc	*Shagbark Hickory
Qj	Tree-of-heaven
Qs	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Py	*Sugar Pine
Pp	*PRUCE
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 referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees. Where the difference between age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees werent present, e.g. young stands (<30yrs). SI is denoted by a silent which always follows the SI. Estimated SI values 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
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERBS
- 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 gaminoids > 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
- el Exposed Land
- ro Rock / Rubble
- is Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lk	LAVA BED	oc	OCEAN
br	BRIDGE	mi	MINE	pd	PONDAGE
bu	BURNED AREA	mp	POND or LAKE SEDIMENTS	pn	SNOW COVER
cb	CUTBANK	ms	OPEN PIT MINE	rs	RESERVOIR
cr	CREVASSED SOILS	mw	MOWAME	r	RIVER / STREAM
gl	GLACIER				

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

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rd	ROAD SURFACE
ta	TALUS
ti	TAILINGS
ur	URBAN

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

A	ALPINE		NP	NON PRODUCTIVE	SAND SAND
AF	ALPINE FOREST /Species		NPBR	NON PRODUCTIVE BRUSH	SF SILT FLAT
C	CULTIVATED		NPBU	NON PRODUCTIVE BURN	U URBAN
CL	CLAY BANK		NPF	NON PRODUCTIVE FOREST /Species	
G	GRAVEL BAR		NTA	NO TYPING AVAILABLE	NC NON COMMERCIAL
OF	OPEN FOREST		OR	OPEN RANGE	NCBR NON COMERCIAL BRUSH
ICE	ICEFIELD		R	ROCK OUTCROP	NP NON PRODUCTIVE
M	MEADOW		rr	ROCK	NSR NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT		S	SWAMP	NTA NO 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.

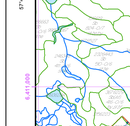
A	Animal Damage		L	Logging	R Site Rehabilitation
B	Wildfire		M	Mite Damage	T Treatment Injuries
C	Cone and Seed Insects		N	Non-Biological Injuries	U Damage Unknown
D	Diseases		P	Cone and Seedling Fungal Pathogens	V Problem Vegetation
I	Insects				

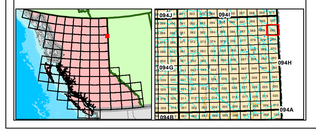
Example Opening History Details

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 LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





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094H079
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PEACE RIVER DISTRICT
Peace Natural Resource District
78-13
78-21
78-20
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Overflow Labels

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