104O092

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
104O092

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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GY3)
- Research Installations

TRIM. Base Features:
- As 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
- HydroNavBarriers - 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 (Dougls 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 Description)
      ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
 6  Disturbance History & year - ex: Logged in 1978
```

OP
ESVL
FdHw
2M 20
hesl
GA78

Line 1 - History Record Opening Number

OP - opening number valid for BCGS mapsheet DOR - 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 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
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lw	Western Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pc	Shore Pine (coast)
Pw	Western White Pine
Pxj	Hybrid White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce x White
Sxs	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Atb	Balsam Poplar
Atd	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ep	Alaska x Paper Birch hybrid
Epg	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vm	Choke 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	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Barclay's)
Wr	Red Willow (Drummmy-Hankel)
Ws	Scouler's Willow
Wt	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

Ue	APPLE
Ua	Apple
Ue	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
	BIRCH
Ee	European Birch
Es	Silver Birch (swamp)
Ey	*Young Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yp	*Port Orford Cedar
	FIR (Balsam)
Bb	Noble Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
	LARCH
Ld	*Dahurian Larch
Ls	*Siberian Larch
M	MAPLE
Mm	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER CONIFERS
Cn	*Incense Cedar
Cb	*Giant Sequoia
Cc	*Coast Redwood
Od	European Mountain Ash
Oe	Siberian Elm (southern)
Of	Common Pear
Oh	*Mountain Ash
Oa	*White Ash
Or	*Shagbarck Hickory
Ot	Tree-of-heaven
Ok	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Austrian Pine
Pr	*Scots 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

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, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aennot present, e.g. young stands (<30yrs). SI is denoted by a slash 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
- si SHRUB TALL - shrub with average shrub height > or = to two metres.
- si 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 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 bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of bryoid cover.

NON VEGETATED
- ei Exposed Land
- ru Rock / Rubble
- se 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	lb	LAWN BED	oc	OCEAN
bu	BUILT-UP	lo	LOG SORT	pd	POND
bu	BURNED AREA	lk	POND w/ LAKE SEDIMENTS	pn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mx	MORAINE	r	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ro	ROAD SURFACE
ta	TALUS
tz	TAILINGS
ur	URBAN

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

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL 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
GP	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
H	HERB	R	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	S	SLIDE	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	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.

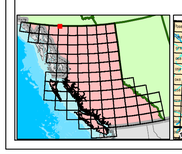
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

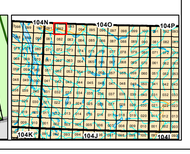
Example Opening History Details

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





Overflow Labels

84-44
84-45
84-46
84-47
84-40
104O091
104O092
104O093
104O081
104O082
104O083
123
Skeena Stikine Natural Resource District
CASSIAR DISTRICT

131°49'0"W 131°48'0"W 131°47'0"W 131°46'0"W 131°45'0"W 131°44'0"W 131°43'0"W 131°42'0"W 131°41'0"W 131°40'0"W 131°39'0"W 131°38'0"W 131°37'0"W 131°36'0"W 131°35'0"W
342,000 343,000 344,000 345,000 346,000 347,000 348,000 349,000 350,000 351,000 352,000 353,000 354,000 355,000
60°0'0"N 59°57'0"N 59°54'0"N
6,655,000 6,654,000 6,653,000 6,652,000 6,651,000 6,650,000 6,649,000 6,648,000 6,647,000 6,646,000 6,645,000 6,644,000

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