093M045

Vegetation Map
093M045

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
- Syvicluture Opening or 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
- Hydrolin/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:

CUT 2012 Fd(Fd) Hw(Fd) 20 1W 0078

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 Inventory Type Group - a descriptive term for the overall species composition
ex. a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opeing Number

CUT - opening number valid for BCGS mapsheet 0078 - 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 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
Hm	Mountain Hemlock
Hwm	Western x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulus Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pl	Lodge Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pyc	Ponderosa Pine (yellow)
Pw	Shore Pine (coastal)
Pxj	Hybrid Jack Pine
Pw	Whitebark Pine
S	SPRUCE
Sa	Alaska Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ACKEE
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Atb	Balsam Poplar
At	Trembling Aspen
Ad	Hybrid Poplars
At	Trembling Aspen
E	ERLUTUS
Ep	Willow
Ea	Alaska Paper Birch
Epa	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vc	Choke Cherry
Vb	Bitter Cherry
Vp	Pin Cherry
Vv	Hybrid Cherry
Dg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Vv	Vine Maple
G	OAK
Gc	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bandaj'e)
Wr	Scouler's Willow (Hanelt)
Ws	Scouler's Willow
Wr	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
Ux	Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
Ae	Aspen
Ep	European Birch
Ey	Silver Birch (swamp)
Ex	Silver Birch
Ux	CHERRY
Vs	Sweet Cherry
Vx	CYPRESS
Yx	Hybrid Cedar
Fx	FIR (Balsam)
Bp	Noble Fir
Bm	Silvertip Fir
Bc	White Fir
Lx	LARCH
Lt	Tamarack Larch
Ls	Siberian Larch
Lk	Larch
Mx	Box Elder
Mh	Norway Maple
Mp	Sycamore Maple
Ux	OAK
Qe	English Oak
Qb	White Oak
Qx	OTHER EXOTICS
Ob	Beech
Oc	Giant Sequoia
Oc	Coast Redwood
Oa	Arizona Cypress/Ash
Ow	Western Elm (southern)
Of	Common Pear
Ob	Black Walnut
Ow	White Ash
Oy	Shagbarck Hickory
Oj	Japanese Walnut
Ox	Hybrid
Mx	Norway Pine
Px	Red Pine
Px	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)
1	6 - 10
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

Site Index (SI) is 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 available SI trees werrot present, e.g. young stands (<30yrs). It is denoted by a slash which always provides 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-TREES SHRUB
- w SHRUB TALL - shrub with average shrub height > or = to1 metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREES 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-VEGETATED BRYOID
- bc BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwrts, and hornwrts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I record)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bi	BARE GOLD	lk	LAKE BED	ot	OTHER
br	BEDROCK	li	LANDING	ot	OTHER
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS	pn	SNOW COVER
cb	CUTBANK	ma	MARSH	ri	RIVER / STREAM
ex	EXPOSED SOILS	me	MORAINE	s	RIVER / STREAM
gl	GLACIER				

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

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rd	ROAD SURFACE
rd	ROAD SURFACE
ta	TALUS
tz	TIDAL FLATS
ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBS	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CF	CROP FARM	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	N/A	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
I	ICE FIELD	R	ROCK	NCR	NON COMMERCIAL
M	MEADOW	ROCK	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	N/A	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.

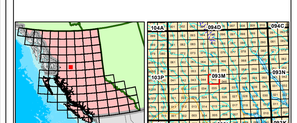
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW Forest Cover Open Data Map. The MapView example is of thetreat 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



093M055 093M056 093M054 093M044 093M046 093M035 093M036 093M034

093M045 CASSIAR DISTRICT

Skeena Stikine Natural Resource District

66-88 66-76 34 84

127°12'0"W 127°11'0"W 127°10'0"W 127°9'0"W 127°8'0"W 127°7'0"W 127°6'0"W 127°5'0"W 127°4'0"W 127°3'0"W 127°2'0"W 127°1'0"W 127°0'0"W

613,000 614,000 615,000 616,000 617,000 618,000 619,000 620,000 621,000 622,000 623,000 624,000 625,000 626,000 627,000

6,150,000 6,149,000 6,148,000 6,147,000 6,146,000 6,145,000 6,144,000 6,143,000 6,142,000 6,141,000

Overflow Labels

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