083E031

Vegetation Map
083E031

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 / Terrain5

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 published on this map is subject to the Province of British Columbia's administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend created June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air-Fields
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroline/Rivers - EBM
- Waterbodies - 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 Licences - 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:

Cd 271 Fdi 30 Hw 60

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 (Douglk Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separated. 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 1978

Line 1 - History Record Opening Number

'cut' - opening number valid for BCGS mapsheet '0039' - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits.
'L' - Upper vegetation layer 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

A	UCLAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
Fd	Douglas Fir
Fdc	Douglas Fir
Fdi	Coastal Douglas Fir
Fdp	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	Scopulus Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Ply	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pxw	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce x White
Sxl	Sitka x Unknown hybrid
Sxs	White
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Ep	Pacific Crab Apple
Ac	BALSAM, COTTONWOOD or POPLAR
At	Trembling Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplar
Al	Trembling Aspen
Ax	Hybrid Poplar
Ba	Arbutus
E	BIRCH
Ep	Alaska Paper Birch
Ebp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
G	CHERRY
V	DOGBERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Gg	Garry Oak
O	OAK
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peach-leaf Willow (Bebb's)
Wl	Park Willow (pre-forest)
Ws	Scouler's Willow
Wil	Sitka Willow (low-level)

UNKNOWN - OTHER

At	unknown aspen
Au	unknown conifer
Ah	unknown hardwood
Ax	unknown poplar (cott bal)
Z	other conifer
Zh	other hardwood

EXOTICS

Ap	APPLE
Ub	BALSAM, COTTONWOOD or POPLAR
Ax	*Southern Cottonwood
Ea	*Caragan Birch
Ek	Silver Birch (swamp)
Ev	*European Birch
Cw	CHERRY
Vs	Sweet Cherry
Vt	*Mazzard
Yp	*Port Orford Cedar
Bb	FIR (Balsam)
Bb	*Nikkon Fir
Bm	*Momi Fir
Bm	*Shasta Red Fir
Bc	*White Fir
Lw	LARCH
Lf	*Siberian Larch
Lk	*Siberian Larch
Mb	MAPLE
Mn	Norway Maple
Mr	*Red Maple
Ms	*Sycamore Maple
Oc	OAK
Os	*Scarlet Oak
Ok	*English Oak
Qw	*White Oak
Ow	OTHER EXOTICS
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
Sr	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

SI 20 = average height in breast-height-age of 50 years
Site productivity is estimated and 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

Estimated site index is used when a site index cannot be present, e.g. young stands <10 yrs. It 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 'A' and 1st records)

NON-TREES SHRUB
- w SHRUB TALL - shrub with average shrub height > or = to two 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 graminoids > 50% of the herb cover.

NON-TREES WOODY-HERB
- wh WOODY-HERB - shrub with no distinction between woody and herbacious 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
- d Exposed Land
- r Rock / Rubble
- s Snow / Ice

NON-VEGETATED CATEGORIES (for 'A' and 1st records)

- ap AIRPORT
- be BEACH
- bo BOULDERFIELD
- brn BROWNOUT
- bu BURNED AREA
- cl CLEARING
- es EXPOSED SOILS
- gl GLACIER
- gr GRAVEL PIT
- la LAKE
- lg LOGGED
- ld LANDING
- p POND or LAKE SEDIMENTS
- rd ROADS, MISC
- rv RIVERBANK
- mu MUDFLAT SEDIMENT
- mr RUBBLE MINE SPOILS
- ro ROAD
- o OTHER
- pn SNOW COVER
- ri RIVER BANK
- rr RIVER STREAM
- rm RESERVOIR MARGIN
- rs RAILWAY SURFACE
- ro ROAD SURFACE
- t TALUS
- w WATER
- u URBAN

Note: Water categories (la, ao, rs, rr) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for 1st records)

- A ALPINE
- AF ALPINE FOREST /Species
- CL CULTIVATED
- CL CLAY BANK
- DN DRAINAGE
- GR GRAVEL BAR
- ICE ICEFIELD
- M MEADOW
- MUD MUDFLAT
- NP NON-PRODUCTIVE
- NPBR NON-PRODUCTIVE BRUSH
- NPBU NON-PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST /Species
- NTA NO TYPING AVAILABLE
- OR OPEN RANGE
- R ROCK
- S SWAMP
- SAND SAND
- SNOW PERM SNOW
- U URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL/Brush
- NP NON PRODUCTIVE
- NSR NOT SUFFICIENTLY RESTOCKED
- 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.

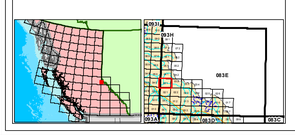
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mite Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is inferred 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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