093N042

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093N042

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 contained may not be consistent with other Provincial data holdings. 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 (CVS)
- Research Installations

TRIM_Base Features:
- Au Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Ice Fenlines
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroline-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:

```
OP1
E/Fd
Hw 20
SI 20
VRI
0078
```

LINE DESCRIPTION
1. Silviculture symbol and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition
   ex: Fd dominant, subdominant 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 (0.1-10.4m), 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 that 2m.
6. Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OP - 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 dated 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)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Hybrid Hw x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lt	Tamarack
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxl	Sitka x Lutz
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
A	Poplar
Act	Balsam Poplar
Act	Black Cottonwood
Ah	hybrid Poplar
At	Trembling Aspen
E	BIRCH
Ra	Arbutus
Ep	Bitter
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vs	Sweet Cherry
Qg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Mb	Bebb's Willow
Mr	Pacific Willow
Mw	Peachleaf Willow (Bamby's)
Mwg	Scouler's Willow (gray-leaved)
Ms	Scouler's Willow
Mss	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
Ux	ASPEN, COTTONWOOD or POPLAR
Axt	*Southern Cottonwood
Ep	BIRCH
Ek	European Birch
Ek	Silver Birch (swamp)
Ey	*Yellow Birch
Vs	CHERRY
Vs	Sweet Cherry
Yp	CYPRESS
Yp	*Port Orford Cedar
Bs	FIR (Balsam)
Bs	*Balsam Fir
Bn	Noble Fir
Bnn	Noble x Red Fir
Bc	*White Fir
L	LARCH
Ld	*European Larch
Ld	*Siberian Larch
Mb	MAPLE
Mb	Box Elder
Mn	*Norway Maple
Mb	*Sycamore Maple
Oak	
Qe	*English Oak
Qp	*Pin Oak
Qx	OTHER EXOTICS
Oc	*Incense Cedar
Ob	*Black Walnut
Oc	*Coast Redwood
Od	European Mountain Ash
Ok	Siberian Elm (Ussurian)
Of	Common Pear
Oh	*Black Ash
Oh	*White Ash
O	*Shagbark Hickory
Ob	*Black Walnut
Oj	Japanese Walnut
Pine	
Pm	*Monterey Pine
Pn	*Red Pine
Py	*Sugar Pine
Sn	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 - 36.4
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 estimated for the primary and first leading species. Where 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 arenot present, e.g. young stands, deciduous, etc. Site index curve number figure precedes SI. 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
- SH - SHRUB - shrub with average shrub height > or = to two metres.
- SC - SHRUB CMB - 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
- BM - 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
- RO - Rock / Rubble
- RI - Rock / Bedrock
- SI - Snow / Ice

NON-VEGETATED CATEGORIES (for I and I records):

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BOULDERS	ic	ICE	ms	MUNICIPAL / MINE SPOILS
bf	BOGS/FIELD	la	LAVA BED	oc	OCEAN
br	BEDROCK	lk	LANDING	ot	OTHER
cb	CUTBANK/AREA	lo	POND or LAKE SEDIMENTS	rc	RIPARIAN COVER
cu	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM
gl	GLACIER				

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

rm	RESERVOIR MARGIN
rs	RIPARIAN SEDIMENTS
rv	RIVER SEDIMENTS
rd	ROAD SURFACE
ta	TAILINGS
ta	TAILINGS
ur	URBAN

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

AP	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
BY	BRYOID	NPBS	NON PRODUCTIVE SHRUB
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GC	GRAVEL CAP	P	PRODUCTIVE
ICE	ICEFIELD	R	HARVESTED
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND
TIDA	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NFOR	NON FOREST/BRUSH
NP	NON PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	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.

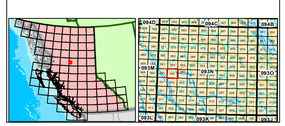
A	Animal Damage	L	Logging	R	Site Rehabilitation
C	Cutting	M	Mite Damage	T	Treatment Injuries
D	Cone and Seed Insects	N	Non-disclogue Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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 LABEL
SILVICULTURE ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



093N051 093N052 093N083 093N041 093N042 093N043 093N031 093N032 093N033

69-47 90 68-115 68-108 69-46 69-48

Overflow Labels

093N042

093N042