093C044

Vegetation Map
093C044

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
- Structure Opening in Vegetation
- Permanent Sample Plot (VDYP)
- Research Installations

TRIM Base Features:
- 4x Bulk Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 2x/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofea/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 (> 2,000,000 ha - 10 % hatch)
- Municipal boundary (< 2,000,000 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:

LINE DESCRIPTION
1. Mapsheet 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. a 141-250 year old (6), 22.5-31.4m tall (4), 26-35% (3) SI 20-24m (5), 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

093C - opening number valid for BCGS map sheet 093X - 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 "Tree & Shrub Species Code List" version 4.6 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Ce	Alaska Cedar
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	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
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole (Interior)
Plcp	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine (sweet)
Pwa	Whitebark Pine
Pyb	Bull Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Englemann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce x Black Spruce
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Yw	Western Yew

NATIVE HARDWOODS

E	ALDER
Dr	Red Alder
Sa	Sitka Alder
Ac	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
Ap	Poplar hybrid
Ae	Trembling Aspen
R	ARBUTUS
Ra	Pacific Dogwood
Z	BIRCH
Ew	Alaska Paper Birch
Ewp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Cascara
V	CHERRY
Vf	Fire Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vs	Saskatoon
Vd	Pacific Dogwood (western flowering)
W	MAPLE
Mb	Broadleaf Maple (broadleaf)
Vm	Vine Maple
Q	OAK
Qg	Garry Oak
H	WILLOW
Hb	Bebb's Willow
Hd	Drummond Willow
Hp	Peachleaf Willow (Bentley's)
Hw	Pussy Willow (grey leaved)
Hs	Sitka Willow
Hsr	Sitka Willow (low-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown (shrub not on list)
Xo	other conifer
Zh	other hardwood

EXOTICS

AP/E	APPLE
Ua	Apple
A	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Z	BIRCH
Ze	*European Birch
Zg	Silver Birch (weeping)
Ey	*Yellow Birch
Ze	*White Birch
Ys	Sweet Cherry
C	CYPRESS
Yp	*Nootka Cedar
F	FIR (Balsam)
Bb	*Balsam Fir
Bc	*Grand Fir
Bc	*Alaska Red Fir
Bc	*White Fir
L	LARCH
Lk	*Siberian Larch
Lt	*Siberian Larch
M	MAPLE
Mb	Box Elder
Mh	*Norway Maple
Ms	*Sycamore Maple
Q/A	OAK
Qe	*English Oak
Qr	*Red Oak
O	OTHER EXOTICS
Ox	*Incense Cedar
Ol	*European Larch
Ox	*Coast Redwood
Ox	European Mountain Ash
Ox	*Giant Sequoia
Op	Common Pear
Og	Oregon Ash
Oa	*Tree of Heaven
Oh	*Shagbark Hickory
Oj	*Tree-of-Heaven
Ow	*Japanese Walnut
P/H	PINE
Phn	*Monterey Pine
Pp	*Red Pine
Pp	*Scots Pine
S/H	SPRUCE
Sn	*Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	0-40
2	41-80
3	81-120
4	121-140
5	141-250
6	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0 - 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	11 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years breast height age. SI is the average height of the dominant 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 cannot present, e.g. Non-Productive Forest (NP) or Forest Cover (FC) polygons (see previous 3. 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
- s - shrub with average shrub height > or = to two metres.
- sl - shrub with average shrub height < two metres.

NON TREED HERB
- h - herb with no distinction between forbs and gramminoids.
- hf - HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg - HERB - GRAMINOIDS - herb with gamminoids > 50% of the herb cover.

NON TREED BRYOID
- by - bryoid with no distinction between mosses and lichens by cover.
- bm - bryoid with mosses > 50% of the bryoid cover.
- bl - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- at - Exposed Land
- r - Rock / Rubble
- si - Snow / Ice

NON VEGETATED CATEGORIES (for V and I records):

ap	AIRPORT	gp	GRAVEL PIT	rm	RESERVOIR MARGIN
bl	BEACH	la	LAKE	ms	MUDFLAT SEDIMENT
bf	BOG/MUSKEG	lk	LAKE DRAINED	mw	SURFACE MINE SPOILS
br	BEDROCK	lu	LOADING	oc	OCEAN
su	BURNED AREA	lo	POND or LAKE SEDIMENTS	pf	PERMAFROST
cl	CLEARCUT	rd	ROAD/TRAIL	re	RESERVOIR
es	EXPOSED SOILS	rm	MORAINE	r	RIVER / STREAM

Note: Water categories (la, ea, ow, rs, rv) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTORS CODES (for I records):

AF	ALPINE FOREST	NPBR	NON PRODUCTIVE BRUSH	SAND	SAND
AF	ALPINE FOREST-Species	NPBS	NON PRODUCTIVE SHRUB	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	VI	URBAN
CL	CLEARCUT	NPFC	NON PRODUCTIVE FOREST -Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GP	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
L	LAKE	OW	OPEN WOODLAND	NCBU	NON COMMERCIAL BURN
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	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.

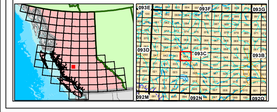
A	Animal Damage	L	Logging
B	Wildfire	M	Mild Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
		S	Silviculture
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW
Select the SILVICULTURE tab. The MapView example is of thinned 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



093C053 093C054 093C055 093C043 093C044 093C045 093C033 093C034 093C035

54-102 54-104 54-106 54-75

131 131 131

RANGE 3 COAST DISTRICT

Cariboo-Chilcotin Natural Resource District

Overflow Labels

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