093A011

Vegetation Map
093A011

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 displayed on this map is compiled 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 (CFS)
- 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
- Hydro/Aw/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 (< 1:250,000 ha - 15 % hatch)
- Municipal boundary (< 1:250,000 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 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 (Douglas 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 Species Composition - Non-Tree Vegetation Descriptors
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

OGR - 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 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

Cw	Western Red Cedar
Y	CYPRESS
Ac	Alaska 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
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
Pj	Jack Pine
Pl	Lodge Pole
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pm	Monterey Pine
Pp	Ponc Pine (ponderosa)
Pw	Western White Pine
Py	Yellow Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Englemann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce hybrid white
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
U	APPLE
Ap	Pacific Crab-Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
Act	Balsam Poplar
Acb	Black Cottonwood
Act	Trembling Aspen
At	Trembling Aspen
R	ARBUTUS
Ar	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Paper Birch (Alaska Hybrid
Ew	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Cascara
V	CHERRY
Vm	Bitter Cherry
Vs	Choke Cherry
Vp	Pin Cherry
Vu	Unknown
Vv	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
Wt	Peachleaf Willow (Barclay's)
Wr	Red Willow (Drummond's)
Ws	Scouler's Willow
Wy	Sitka Willow (Hardwood)

UNKNOWN / OTHER

X	unknown
Xc	unknown conifer
Xh	unknown hardwood
Xn	OTHER (tree not on list)
Z	other conifer
Zh	other hardwood

EXOTICS

Ae	ALDER
At	ASPEN, COTTONWOOD or POPLAR
Ac	Southern Cottonwood
Ae	Aspen
Ep	European Birch
Ex	Silver Birch (swamp)
Ey	Yellow Birch
Es	Sycamore
Ey	Sweet Cherry
Y	CYPRESS
Yc	Nootka Cedar
F	FIR (Balsam)
Fb	Balkam Fir
Fg	Grand Fir
Fl	Silvaka Red Fir
Fl	White Fir
L	LARCH
Ld	Dahurian Larch
Le	Siberian Larch
Lk	Larch
Mk	Box Elder
Mh	Norway Maple
Mp	Sycamore Maple
OA	OAK
Qe	English Oak
Qm	Mongolian Oak
X	OTHER EXOTICS
Ox	Incense Cedar
Op	Giant Sequoia
Oq	Coast Redwood
Oz	Eurasian Mountain Ash
Oe	Siberian Elm (southern)
Oi	Common Pear
Oc	Mountain Ash
Ow	White Ash
Oj	Shagbarck Hickory
Ot	Black Walnut
Oj	Japanese Walnut
PINE	
Pm	Monterey Pine
Pn	Red Pine
Py	Ponge Pine
Z	other
Zn	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 stored as the nearest metre referenced at 50 years breast Height Age. SI is based on the age and height of the Dominant and Co-dominant trees. If the estimated site index age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aremt present, e.g. young stands (<30yrs). It is denoted by a stretch which always ends with an E (for Estimated) e.g. 20E. Codes 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.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON TREED HERB
- h 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 MOSS
- b BRYOID - herbaceous - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwork, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

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

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
bl	BEACH	ic	ICE	ou	RUBBLE/ MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bm	BEDROCK	l	LANDING	pl	PLOWED
bu	BURNED AREA	w	POND or LAKE SEDIMENTS	q	QUARRY
ds	DISTURBED	rb	ROCK BLUFF	re	RESERVOIR
e	EXPOSED SOIL	sn	SNOWBANK	rv	RIVER / STREAM
g	GLACIER				

Note: Water categories (lk, ow, re, rv) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN				
rm	RAILWAY SURFACE				
rs	RIVER SEGMENTS				
rz	CITY LIMITS				
s	SAND				
t	TAILINGS				
u	URBAN				

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

A	ALPINE	NPI	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPB	NON PRODUCTIVE BRUSH	SF	SILT FLAT
CL	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
GL	GLACIAL TILL	NPR	NON PRODUCTIVE ROCK	NC	NON COMMERCIAL
GR	GRAVEL PIT	O	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	F	HAYFIELD	NP	NON PRODUCTIVE
L	LANDING	P	PASTURE	NPC	NON PRODUCTIVE RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NOT TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code proceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

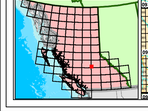
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

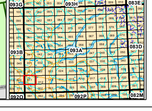
Example Opening History Details

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





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093A021
093A022
093A020
093A011
093B010
093A001
093A012
093A002

47-1
47-2
47-3
47-4

Caribou-Chilcotin Natural Resource District

CARIBOO DISTRICT

330R 1997
331R 1997
332R 1997
10 1977

122°10'W 122°00'W 121°59'W 121°58'W 121°57'W 121°56'W 121°55'W 121°54'W 121°53'W 121°52'W 121°51'W 121°50'W 121°49'W 121°48'W 121°47'W

568,000 569,000 570,000 571,000 572,000 573,000 574,000 575,000 576,000 577,000 578,000 579,000 580,000 581,000 582,000 583,000

52°30'N 52°29'N 52°28'N 52°27'N 52°26'N 52°25'N

5,816,000m 5,817,000m 5,818,000m 5,819,000m 5,820,000m 5,821,000m

Overflow Labels

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