093H054

Vegetation Map
093H054

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 display the vegetation resource inventory (VRI) information collected by the Ministry of Forests. 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 or Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM. Base Features :
- 4a 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
- Huntr/Ins/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RV 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 (< 1:200,000 fea - 15 % hatch)
- Municipal boundary (< 1:200,000 fea) - 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 - assigned to 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 - separated by a dash. 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 Non-Forest Descriptor - Polygon Number - 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
- opening number valid for BCGS mapsheet
OOPP = 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 4.6 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
X	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	Sitkaka Juniper
L	LARCH
Lw	Western Larch
Lt	Tamarack
Le	Western Larch
P	PINE
Pj	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pa	Whitebark Pine
Pfx	Hybrid Pine (other)
Pw	Western White Pine
Pxj	Intermediate Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Engelmann x White
Sxs	Sitka x White
Sxw	White x unknown hybrid
YEW	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
D	Red Alder
U	APPLE
Ue	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Atb	Balsam Poplar
Atm	Trembling Aspen
Ac	Hybrid Poplars
Ew	Aleska Paper Birch
Ewp	Aleska x Paper Birch hybrid
Ep	Paper Birch (white)
Ea	Trembling Aspen
Ew	Water Birch
E	BIRCH
Ew	Aleska Paper Birch
Ewp	Aleska x Paper Birch hybrid
Ep	Paper Birch (white)
Ea	Trembling Aspen
Ew	Water Birch
E	BIRCH
Ac	Cascara
V	CHERRY
Vm	Choke Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown
Vp	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
Wp	Peachleaf Willow (Bentzia's)
Wd	Pussy Willow (grey leaved)
Wr	Red Willow
Wf	Sitka Willow (tea leaved)

UNKNOWN - OTHER

X	unknown conifer
A	unknown/conifer
Xh	unknown hardwood
Xc	other conifer (not on list)
Z	other trees
Zh	other hardwood

EXOTICS

Ue	APPLE
At	ASPEN, COTTONWOOD or POPLAR
At	*Southern Cottonwood
Ae	Aspen
Ea	European Birch
Ea	Silver Birch (exampl)
Ep	Paper Birch
Fj	CHERRY
Ys	Sweet Cherry
Yt	Tree Cherry
Yp	*Pin Cherry
Fd	FIR (Balsam)
Fdc	*Red Fir
Bb	*Balsam Fir
Bm	Noble Fir
Bm	*Shasta Red Fv
Bc	*White Fir
Lt	LARCH
Lt	*Dahurian Larch
Le	*Siberian Larch
Lk	Larch
Mr	Box Elder
Mr	*Norway Maple
Mb	*Sycamore Maple
OA	OAK
Qe	*English Oak
Qr	*Red Oak
	OTHER EXOTICS
Ce	*Incense Cedar
Cp	*Port Orford Cedar
Cr	*Coast Redwood
Ge	European Mountain Ash
Gn	*Giant Redwood
Pn	Common Pear
Dg	Oregon Ash
Ds	Siberian Elm
Cj	*Dogtooth Hickory
Cj	Tree-of-Heaven
Ch	*Chinese Walnut
PINE	
Pm	*Monterey Pine
Pp	*Ponderosa Pine
Pc	*Scots Pine
SPRUCE	
Sn	*Norway Spruce

Line 4 :

4a AGE CLASS

CODE	LIMITS (years)
1	0-20
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
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. Site curves are from the variable age site building 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-forested polygons. The SI is the average of the surrounding polygons 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 record's)

NON-TREED SHRUB
- st 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 - trees with no distinction between forbs and graminoids
- hf HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with gramminoids > 50% of the herb cover.

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

NON VEGETATED
- at Exposed Land
- ar Rock Bluff
- w Snow / Ice

NON VEGETATED CATEGORIES (for V and I record's)

ra	RIVER	lk	LAKE	mu	MUD/FLAT SEGMENT
se	BEACH	lk	LAKE	mb	RUBBLE MINE SPOILS
bl	BLOCKFIELD	lk	LAVA BED	oc	OCEAN
bu	BURNED	lk	POND	oi	ICE OVER
bb	BURNED AREA	lk	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	OUTBANK	mk	OPEN PIT MINE	re	RESERVOIR
cn	CONSTRUCTION MATERIALS	mn	MORAINE	rm	RESERVOIR MARGIN
gl	GLACIER				

Note: Water categories (ra, se, lk, cn) not labelled over 95 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I record's)

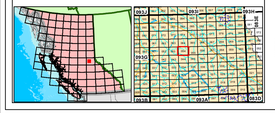
AL	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
CL	CLAY	NPBS	NON PRODUCTIVE BRUSH/S	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
ICE	ICEFIELD	R	ROCK	NPBR	NON PRODUCTIVE BRUSH
ICE	ICEFIELD	R	ROCK/SOIL	NP	NON PRODUCTIVE
M	MEADOW	S	SNOW	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	SI	SWAMP	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	L	Logging
B	Wildfire	M	Mite Damage
C	Insects and Seed Insects	N	Non-Biological Injuries
D	Diseases	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: http://www.for.gov.bc.ca/hts/ has more detailed information. Select the SILVICULTURE tab then click on 'Khudoy Silviculture Map' to turn on display values for:
- OPENING
- OPENING LABELS
- SILVICULTURE TREATING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



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CARIBOO DISTRICT

Prince George Natural Resource District

102 59-63 59-32 59-478 59-82 59-81 77

Overflow Labels

093H054