092J009

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092J009

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 or Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM, Base Features:
- 4x Rural Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolkes/Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Prov/Cl 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:

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

Line 1 - History Record Opening Number
nnnn - opening number valid for BCGS mapsheet
nnnnn - 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	YEW
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fd	Douglas Fir
Bg	Amabilis Fir
Bg	Grand Fir
H	HEMLOCK (approx)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetsk Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal) hybrid
Pm	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pwi	Shore Pine (interior)
Pa	Whitebark Pine
S	SPRUCE
Se	Englemann Spruce
Sxe	Englemann Spruce
Sx	Silka Spruce
Sxs	Silka Spruce
Sx	Spruce hybrid
Sxw	Englemann x White
Sw	White Spruce
Sxw	Silka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Sa	Sitka Alder
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
Ae	Trembling Aspen
Ae	Trembling Aspen
P	ARBUTUS
Pm	Arbutus
B	BIRCH
Ba	Alaska Paper Birch
Bpa	Alaska Paper Birch hybrid
Bpp	Paper Birch (white)
Bw	Water Birch
Bg	Gray Birch
K	Cascara
V	CHERRY
Vm	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vs	Sitka Cherry
Vv	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Ma	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wrd	Peachleaf Willow (Bendy's)
Wr	Rocky Mtn. Willow (sweet)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (has not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ux	APPLE
	ASPEN, COTTONWOOD or POPLAR
Act	*Northern Cottonwood
	BIRCH
Ep	*European Birch
Ek	Silver Birch (swamp)
Ey	*Yellow Birch
Ep	Birch
	Sweet Cherry
	CYPRESS
Yn	*Nootka Cypress/ Cedar
	FIR (Subalpine)
Bb	*Balsam Fir
Bc	*Corkbark Fir
Bn	*Grand Fir
Bi	*White Fir
Lk	*Dahurian Larch
Lp	*Siberian Larch
Lx	Larch
Mw	Box Elder
Mn	*Norway Maple
Mp	*Sycamore Maple
Ux	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ou	*Unknown Exotic
Oa	*Giant Sequoia
Oc	*Coast Redwood
Oh	*Common Horsechestnut
Ob	Siberian Elm (southern)
Of	Common Pear
Ol	*Common Pear
Oa	*White Ash
Oi	*Shagbarck Hickory
Oj	*Black Walnut
Ow	Japanese Walnut
	PINE
Pn	*Monterey Pine
Pp	*Red Pine
Pa	*Sugar Pine
Pw	*White Pine
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
All SI are shown to 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 (usually the largest trees by age and height), estimated SI is shown after, or replaces the SI.

4e: ESTIMATED SITE INDEX
SI is estimated when available SI trees cannot present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the SI. Estimated SI is based on the Leading Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

NON-FREED SHRUB
- sl SHRUB TALL - shrub with average shrub height >= 4 < 8 two metres.
- sh SHRUB HIGH - shrub with average shrub height > two metres.

NON-FREED 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-FREED BRYOID
- by 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 CATEGORIES (for V and I records)

be	BEACH	ld	LAKE DRY
br	BOULDERFIELD	ls	LAKE SED
cn	CONSTRUCTION	lv	LAVA FLOW
bu	BURNED AREA	mp	POND w/ LAKE SEDIMENTS
cb	CUTBANK	ms	OPEN PIT MINE
ds	DEPOSITIONAL SOILS	mn	MORAINE
gl	GLACIER		

mf	MUDFLAT SEDIMENT	mr	RESERVOIR MARGIN
mi	RUBBLY MINE SPOILS	rm	RAILWAY SURFACE
oc	OCEAN	rs	RIVER SEDIMENTS
rc	ROCK	rd	ROADWAY SURFACE
pm	SNOW COVER	ta	TALUS
re	RESERVOIR	tl	TAILINGS
rv	RIVER / STREAM	ur	URBAN

Note: Water categories (lk, rv) if labelled over >= 40 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST -Species	NPBR	NON PRODUCTIVE BRUSH
BR	BRUSH	NPCL	NON PRODUCTIVE CLOSED
CU	CUT-BANK	NPFX	NON PRODUCTIVE FOREST -Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
IC	ICE FIELD	OP	OPEN FOREST
ICF	ICEFIELD	PT	MARSHELD
M	MEADOW	R	ROCK
MUD	MUD FLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NF	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
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		

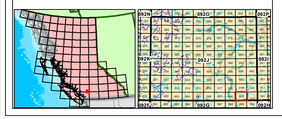
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW through the "Open Data" site. 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 LABELS
OPENING - PLANTING ACTIVITY
OPENING - TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels

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