092I051

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092I051

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 (CFS)
- Research Installations

TRIM - Base Features:
- Ag 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
- Hydroline/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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:

OS2 ES1 Fdi(L) 21-20 Hw 30 Cw9

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

OS2 - opening number valid for BCGS mapsheet 092K - 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 4.0 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Y	Yellow-cedar Red Cedar
Cw	CYPRESS
Yc	Yellow Cedar
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Bl	Fir (Balsam)
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Hw	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Hybrid Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mt. Juniper
Jc	Common Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Pf	Limber Pine (high elevation)
Pfx	Shore Pine (coastal)
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Hybrid Spruce
Sx	White Spruce
Sx	Spruce hybrid
Sxb	Sitka x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Ep	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
B	BIRCH
Ba	Arbutus
Bb	Bebb's
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
Dg	DOGWOOD
Vb	Bitter Cherry
Vv	Choke Cherry
Up	Pin Cherry
Vs	Sweet Cherry
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Barclay's)
Wr	Pussy Willow (grey leaved)
Ws	Scouler's Willow
Wy	Willow spp. (late leaved)

UNKNOWN - OTHER

X	unknown hardwood
Xc	unknown conifer
Xh	unknown hardwood
Z	other (Use only if can not list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	APPLE
Ux	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ea	BIRCH
Ej	*European Birch
Ey	*Japanese Birch (Dahurian)
Ey	*Yellow Birch
Vs	CHERRY
Vs	*Sweet Cherry
Yp	CYPRESS
Yp	*Port Orford Cedar
Fd	DOUGLAS FIR
Bp	*Balsam Fir
Bp	*noble Fir
Bp	*Veitch's Red Fir
Bn	*White Fir
Lk	LARCH
Lyl	*Dahurian Larch
Lx	*Hybrid Larch
Q	OAK
Qe	*English Oak
Qm	*Mongolian Oak
	OTHER EXOTICS
Ox	*Incense Cedar
Ox	*Giant Sequoia
Oc	*Coast Redwood
Oe	European Mountain Ash
Ob	Siberian Elm (southern)
Oa	Tree of Heaven
Og	Oregon Ash
Ow	*White Ash
Oh	Japanese Katsura Hickory
Oj	Tree-of-Heaven
Ok	Japanese Walnut
Pm	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Pa	*Austrian Pine
SPRUCE	
Se	*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

Site Index is the average height of the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the 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

An estimated site index number (e) is used where cannot present, e.g. young stands (<50yrs) . It is identified by a slash which always precedes 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 records)

NON-TREED SHRUB
- w SHRUB TALL - shrub with average shrub height > or = to two metres.
- s SHRUB LOW - 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
- by BRYOIDS - 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
- ro Rock / Rubble
- sn Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
bl	BUILDING	la	LAKE
bl	BLOCKFIELD	lb	LAVA BED
br	BEDROCK	lr	LANDING
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS
ex	EXPOSED LAND	mi	MINE or MINE
ex	EXPOSED SOILS	mc	MORAINE
gl	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
rm	RUBBLE MINE SPOILS	rs	RAILWAY SURFACE
oc	OCEAN	rs	RIVER SEDIMENTS
ot	OTHER	rs	ROAD SURFACE
pn	SNOW COVER	ta	TALUS
ri	RIVER / STREAM	ta	TAILINGS
r	RIVER / STREAM	u	URBAN

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

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

A	ALPINE	NP	NON PRODUCTIVE
B	BOG/SWAMP/FEN	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
DU	DUNE/SAND	NT	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN ROCK
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUD FLAT	S	SWAMP
SAND	SAND		
SF	SALT FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
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.

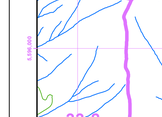
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

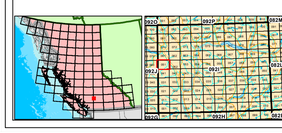
Example Opening History Details

Detailed Silviculture information is available on the BCGW 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 LABELS
OPENING - PLANTING ACTIVITY
SILVICULTURE TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

092O051