Vegetation Map
093J042

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 displayed on this map is compiled from VRIMS (Forest Cover), 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
- Nonvolume 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
- Airf/Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/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 (< 1,000,000 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
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: 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 that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet zzzx - 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 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	
Hxm Western x Western Hemlock hybrid	
J JUNIPER	
Jr Rocky Mtn. Juniper	
K CYPRESS	
L LARCH	
La Alpine Larch	
Lt Tamarack	
Lw Western Larch	
P PINE	
Pj Jack Pine	
Pl Lodgepole Pine	
Pli Lodgepole Pine (interior)	
Plj Lodgepole x Jack Pine hybrid	
Plc Lodgepole Pine (coastal)	
Pp Ponderosa Pine	
Pw Western White Pine	
Py Whitebark Pine	
S SPRUCE	
Sb Black Spruce	
Se Engelmann Spruce	
Sx Sitka Spruce	
Sxe Sitka x Engelmann	
Sw Spruce Hybrid	
Sxw Engelmann x White	
Sxl Sitka x White	
Sxs Sitka x unknown hybrid	
T YEW	
Tw Western Yew	

NATIVE HARDWOODS

D ALDER	
Dr Red Alder	
E APPLE	
Ep Pacific Crab Apple	
Ew Black COTTONWOOD or POPLAR	
Act Poplar	
Abb Balsam Poplar	
Abt Black Cottonwood	
Ac hybrid Poplars	
At Trembling Aspen	
G ASH	
Gp Pacific Ash	
E BIRCH	
Ea Alaska Paper Birch	
Eap Alaska x Paper Birch hybrid	
Ep Paper Birch (white)	
Ew Water Birch	
K CASCARA	
V CHERRY	
Vc CHERRY	
Vb Bitter Cherry	
Vc Choke Cherry	
Vp Pin Cherry	
Vv Bird Cherry	
Gp Pacific Dogwood (western flowering)	
M MAPLE	
Mb Broad-leaf Maple (broadleaf)	
Mv Vine Maple	
Q OAK	
Qg Garry Oak	
W WILLOW	
Wb Scouler's Willow	
Wp Pacific Willow	
Ww Peachleaf Willow (Barclay's)	
Wr Red Willow (western red-osier)	
Ws Scouler's Willow	
Wt Sitka Willow (tea-leaved)	

UNKNOWN - OTHER

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

EXOTICS

U APPLE	
Ue Apple	
Uw ASPEN, COTTONWOOD or POPLAR	
Auf "Southern Cottonwood	
Poplar"	
Ew European Birch	
Ekx Silver Birch (swamp)	
Ey hybrid Birch	
C CHERRY	
Cs Sweet Cherry	
Cw "Wild" Cherry	
Yp "Port Orford Cedar	
Ba FIR (Balsam)	
Bpa "Balsam Fir	
Bgr Noble Fir	
Bpl "Subalpine Fir	
Bp "White Fir	
LARCH	
Lyl "European Larch	
Lx "Siberian Larch	
MAPLE	
Mre Box Elder	
Mh "Norway Maple	
Mp "Sycamore Maple	
OAK	
Qe "English Oak	
Qm "Mongolian	
OTHER EXOTICS	
Oa "Incense Cedar	
Ob "Giant Sequoia	
Oc "Coast Redwood	
Oj "European Mountain Ash	
Ol Siberian Elm (southern)	
Or Common Pear	
Os Scots Pine	
Ot "White Ash	
Oz "Shagbarck Hickory	
Ow "Black Walnut	
Ok Japanese Walnut	
PINE	
Pm "Monterey Pine	
Pr "Red Pine	
Pa "Austrian Pine	
SPRUCE	
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. The 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 known after, or replaces the SI.

4e ESTIMATED SITE INDEX
Estimated site index is used when no species almost present, e.g. young stands (<30yrs). It is denoted 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
- sf SHRUB TALL - shrub with average shrub height > or = to two metres.
- sk SHRUB LOW - shrub with average shrub height < two metres.

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

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

NON VEGETATED
- el Exposed Land
- w Water / Inside
- ss Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUCK/SALT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
br	BEDROCK	li	LANDING	oi	OTHER
bu	BUILT-UP AREA	ls	LAKE SEDIMENTS	rc	ROCK COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
ex	EXPOSED SOILS	mn	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

Note: Water categories (la, oc, re, ri) not labelled over 95 percent coverage.

rm	RESERVOIR MARGIN
rw	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ro	ROAD SURFACE
sl	SLIDE
tl	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BY	BRYOID	NPF	NON PRODUCTIVE FOREST (Species	U	URBAN
CL	CLAY BANK	NPT	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GP	GRAVEL PIT	R	ROCK	NPBR	NON PRODUCTIVE BRUSH
ICE	ICEFIELD	H	HAYFIELD	NP	NON PRODUCTIVE
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	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

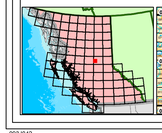
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either MF 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 Layers" to turn on display values for -

- OPENING NUMBER
- OPENING LABELS
- OPENING - PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH





093I	093I	093I	093I	093I	093I	093I	093I	093I	093I	093I	093I	093I	093I
093P	093P	093P	093P	093P	093P	093P	093O	093O	093O	093O	093O	093O	093O
093K	093K	093K	093K	093K	093K	093K	093J	093J	093J	093J	093J	093J	093J
093N	093N	093N	093N	093N	093N	093N	093C	093C	093C	093C	093C	093C	093C
093F	093F	093F	093F	093F	093F	093F	093G	093G	093G	093G	093G	093G	093G
093M	093M	093M	093M	093M	093M	093M	093L	093L	093L	093L	093L	093L	093L
093E	093E	093E	093E	093E	093E	093E	093D	093D	093D	093D	093D	093D	093D
093H	093H	093H	093H	093H	093H	093H	093A	093A	093A	093A	093A	093A	093A

Overflow Labels