092M054

Vegetation Map
092M054

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 contained 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
- Sivilculture 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/Air/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 (> 1:600,000 ha - 15 % hatch)
- Municipal boundary (< 1:600,000 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 (Dougls 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 Description)
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

CUT - opening number valid for BCGS mapsheet
2039 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
A - 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 dataed January 2009.

NATIVE CONIFERS		NATIVE HARDWOODS		EXOTICS	
C CEDAR		D ALDER		APPLE	
Cw Western Red Cedar		Dl Red Alder	Ua	Apple	
Y CYPRESS		U APPLE		ASPEN, COTTONWOOD or POPLAR	
Yc Yellow Cedar		Ud Undifferentiated	Ad	Eastern Cottonwood	
F DOUGLAS FIR		A ASPEN, COTTONWOOD or POPLAR		BIRCH	
Fd Douglas Fir		Ac Poplar	Ea	European Birch	
Fc Coastal Douglas Fir		At Trembling Aspen	Ep	Paper Birch (white)	
Fdi Interior Douglas Fir		Act Black Cottonwood	Ey	*Yellow Birch	
B FIR (Balsam)		Ax hybrid Poplars		CHERRY	
Bl Subalpine Fir		Ae Trembling Aspen	Vs	Sweet Cherry	
Bg Grand Fir		E ARBUTUS		CYPRESS	
Bl Subalpine Fir (alpine)		Ra Arbutus	Yg	*Pond Orford Cedar	
H HEMLOCK		B BIRCH		FIR (Balsam)	
Hw Mountain Hemlock		Ep Paper Birch	Bb	*Balsam Fir	
Hm Western Hemlock		Ea Alaska Paper Birch	Bn	*Noble Fir	
Hxm Mountain x Western Hemlock hybrid		Epa Alaska x Paper Birch hybrid	Bm	*Shasta Red Fir	
J JUNIPER		Ew Paper Birch (white)	Bc	*White Fir	
Jr Rocky Mtn. Juniper		K CASCARA		LARCH	
Js Seaside Juniper		Kc Cascara	Ld	*Dahurian Larch	
L LARCH		V CHERRY	Ld	*Siberian Larch	
La Alpine Larch		Vs Bitter Cherry		MAPLE	
Lt Tamarack		Vv Choke Cherry	Mb	Box Elder	
Lw Western Larch		Vy Pin Cherry	Mn	*Norway Maple	
P PINE		G DOGWOOD	Ms	*Sycamore Maple	
Pl Lodge Pole		Gp Dogwood (western flowering)		OAK	
Pf Limber Pine		M MAPLE	Qr	*English Oak	
Pa Lodgepole Pine		Mb Bigleaf Maple (broadleaf)	Qw	*White Oak	
Pli Lodgepole x (interior)		Mv Vine Maple		OTHER EXOTICS	
Plu Lodgepole x Jack Pine hybrid		O OAK	Oc	*Incense Cedar	
Py Ponderosa Pine (yellow)		Qg Garry Oak	Ob	*Monterey Cedar	
Pc Shore Pine (coast)		W WILLOW	Os	*Coast Redwood	
Pw Western White Pine		Wb Bebb's Willow	Oz	European Mountain Ash	
Pm Whitebark Pine		Wp Pacific Willow	Ot	*Tree of Heaven	
S SPRUCE		Ww Peachleaf Willow (Banby's)	Of	Common Pear	
Sb Black Spruce		Wd Pussy Willow (gray-haired)	Og	Oregon Ash	
Se Engelmann Spruce		Wr Red Willow	Ol	*Black Locust	
Ss Sitka Spruce		Wl Sitka Willow (tea-leaved)	Oj	*Shagbark Hickory	
Sw White Spruce		UNKNOWN - OTHER	Ot	Tree-of-heaven	
Sx Hybrid Spruce		X UNKNOWN	Ok	Japanese Walnut	
Sxe Engelmann x White		Xx unknown conifer		PINE	
Sxl Sitka x White		Xh unknown hardwood	Pm	*Monterey Pine	
Sxs Sitka x unknown hybrid		Zz OTHER (tree not on list)	Pr	*Red Pine	
Y YEW		Z OTHER	Py	*Sugar Pine	
Yw Western Yew		Zh other hardwood		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	141-160
9	161 +

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

SI SI are shown to 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 known after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aremnt present, e.g young stands (<40 yrs). 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
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- ss 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSSES - bryoid with mosses > 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
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bf	BRUSHFIELD	lk	LANDING	mt	TAILINGS
br	BEDROCK	ll	LANDING	oc	OTHER
bu	BURNED AREA	lo	POND or LAKE SEDIMENTS	sn	SNOW COVER
cu	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
ex	EXPOSED SOILS	mn	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

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

mm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rn	RAILWAY CUTBANKS
rp	ROAD SURFACE
tw	TALUS
tz	TAILINGS
ur	URBAN

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

AF	ALPINE FOREST	NPBR	NON PRODUCTIVE BRUSH	SAND	SAND
AF	ALPINE FOREST-Species	NPBS	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST -Species		
GB	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
ICE	ICEFIELD	P	PASTURE/FORAGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	PF	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NOT 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.

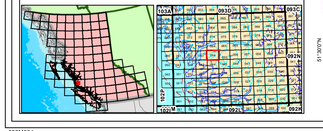
A	Animal Damage	L	Logging	R	Site Rehabilitation
AB	Abiotic	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either BIF 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
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



092M064 092M065 092M063 092M054 092M053 092M044 092M043 092M045

North Island - Central Coast Natural Resource District

RANGE 2 COAST DISTRICT

Overflow Labels

092M054

092M054