0920082

Vegetation Map
092O082

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 the VRIMS database, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2013)

Labels Projected To: January 1, 2014

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- (AC-SIV) , (-VEG Phase 1 (1998+)
- VGSI Phase 2 Samples
- (K, XG,..) Phase 1 - Cards (pre VEG)
- SAMI Phase 2 - Samples (pre VEG)
- (LSAMI, P2 ..) Phase 1 & 2 (pre VEG)
- Permanent Sample Plot (GYS)
- Research Installations

MFLNRO OWNERSHIP Theme
Source - MFLNRO _F_OWN

OWNERSHIP & SCHEDULE
- 40-N Private - Crown Grants
- 50-N Federal Reserve
- 51-N National Parks
- 52-N Indian Reserves
- 53-N Military Reserves
- 54-N Dominion Government Block
- 60-N Ecological Reserves
- 61-N UREP < 100 ha
- 61-C UREP > 100 ha
- 62-C Forest Management Unit TSA
- 63-N Provincial Park Class A
- 67-N Provincial Park equivalent
- 68-N Reserves < 100 ha
- 68-C Reserves > 100 ha
- 70-C Timber License in TFL
- 70-N Timber Licence in TSA
- 72-A Private Schedule A in TFL
- 72-B Crown Schedule B in TFL
- 74-N Timber Alienated in Watershed
- 75-N Christmas Tree Permits
- 77-N Woodlot Licence Schedule B
- 79-B Community Forest
- 98-N Misc Leases < 100 ha
- 98-C Misc Leases > 100 ha

TRIM. Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Fairies
- Other lines
- Powerline
- Pipeline
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aux/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:

C167
E3/Fd
Sw 30
Dr2/3
Dr2/3

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 (Dougla Fir) and Hw (Western Hemlock).
4 Age Class, Height Class, Crown Closure Class, 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

'C167' - opening number valid for BCGS mapsheet
'DOPN' - 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 dataed 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
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hx	Hemlock x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pli	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Py	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Sitka x Engelmann
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	White x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
E	BIRCH
Ep	Alaska Paper Birch
Exp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Catclaw
V	CHERRY
Vf	Black Cherry
Vc	Choke Cherry
Up	Pin Cherry
Vu	Unknown
Dw	Dogwood (Cornus) (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
W	WILLOW
Gy	Garry Oak
W	WILLOW
Wy	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Barclay's)
Ww	Pussy Willow (grey-leaved)
Wb	Scouler's Willow
Ww	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
	ASPEN, COTTONWOOD or POPLAR
Ax	*Southern Cottonwood
	BIRCH
Ek	*Common Birch
Ek	Swiss Birch (swamp)
Ey	*Yellow Birch
	CHERRY
Ys	*Japanese Cherry
	CYPRESS
Yp	*Port Orford Cedar
	*Monterey
Bk	*Balkan Fir
Bc	Noble Fir
Bm	*Shasta Red Fir
Bl	*White Fir
	LARCH
Lk	*Dahurian Larch
Lx	*Siberian Larch
	MAPLE
Mk	Box Elder
Mh	*Norway Maple
Ms	*Sycamore Maple
	OAK
Oe	*English Oak
Ow	*White Oak
	OTHER EXOTICS
Ca	*Sweet Chestnut
Cs	*Giant Sequoia
Oc	*Coast Redwood
Ou	*European Mountain Ash
Ou	Siberian Elm (southern)
Of	Common Pear
Og	Oregon Ash
Ot	*Tree of Heaven
Oj	*Shagbarck Hickory
Oj	Tree-of-heaven
Ow	*Chinese Walnut
	PINE
Pm	*Monterey Pine
Pn	*Austrian Pine
Pt	*Scots 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. SI may be estimated from local or regional leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown often, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren't present, e.g. Recently Logged (L), Rock (R), Non-Forest (N) or Alpine (A) 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
- sp SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl 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 dominant.
- 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 - 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)

bl	BEDROCK	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
sc	SCREE	ta	TALUS	ru	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bl	BEDROCK	li	LANDING	ot	OTHER
bu	BURNED AREA	rs	POND or LAKE SEDIMENTS	sn	SNOW/COVER
ea	EARTHFLOW	rn	RIVER - MINE	wa	WATER/CHANGES
ex	EXPOSED SOILS	mm	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

Note - Water categories (ia, sa, re, ri) not labelled over 50 percent coverage.

rm	RESERVOIR MARGIN				
rm	RAILWAY SURFACE				
rs	RIVER SEDIMENTS				
rz	ROAD SURFACE				
ta	TALUS				
wa	WATER/CHANGES				
ur	URBAN				

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBS	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
L	LAKE/POND	R	ROCK/TALUS	NCR	NON COMMERCIAL
M	MEADOW	rs	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	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.

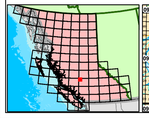
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	S	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

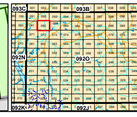
Example Opening History Details

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
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

0920082

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