0941060

Vegetation Map
0941060

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 meet the needs 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
- Silviculture 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/Res/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 (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 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 Opning Number

OXP - opening number valid for BCGS mapsheet
OXPX - 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

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
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Px	Ponderosa Pine (yellow)
Pxw	White x Yellow
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxb	Hybrid Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

Er	ALDER
Dr	Red Alder
Sa	Sitka Alder
Ac	Pacific Crab Apple
A	ASPEN; COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ast	Black Cottonwood
Ax	hybrid Poplars
Av	Trembling Aspen
R	ARBUTUS
Ra	Pacific
E	BIRCH
Ew	Water Birch
Ea	Alaska Paper Birch
Ep	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
Dg	DOGWOOD
Vc	Bitter Cherry
Vv	Choke Cherry
Vm	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bareba's)
Wsf	Pussy Willow (gray leaved)
Ws	Scouler's Willow
Wf	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

	APPLE
Ux	Apple
	ASPEN; COTTONWOOD or POPLAR
Act	*Southern Cottonwood
	BIRCH
Ej	*European Birch
Ey	Silver Birch (swamp)
Ey	*Yellow Birch
	CHERRY
Vs	*Sweet Cherry
Vx	Hybrid Cherry
Yp	*Port Orford Cedar
	FIR (Balsam)
Bb	*Balsam Fir
Bc	*Corkbark
Bm	*Pinsha Red Fir
Bn	*White Fir
	LARCH
Ld	*Dahurian Larch
Le	*European Larch
	MAPLE
Mk	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qa	*English Oak
Qw	*White Oak
	PINE; PINES
Ob	*Incense Cedar
Ob	*Giant Sequoia
Ob	*Coast Redwood
Ot	European Mountain Ash
Ot	*Japanese Rowanberry
Oy	Common Pear
Oy	Oregon Ash
Oy	*Paper Birch
Oh	*Shagbarck Hickory
Oj	Tree-of-heaven
Oz	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Py	*Sugar 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 - 13.4
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 known 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. Where there is more than age and height, estimated SI is known after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. young stands (<50yrs). It is denoted by a letter which always follows the species code. Letters used 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
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- su SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERBS
- he HERB
- hf HERB - FORBS - herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOIDS - herb with forbs > 50% of the herb cover.
- herb with graminoids > 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, liverwrts, and hornwerts > 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	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	l	LAKE	ou	RUBBLE MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
bo	BOULDERS	lk	LICHEN	rn	ROCK OUTCROP
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	ms	OPEN PIT MINE	re	RESERVOIR
cs	CONSOLIDATED SOILS	mw	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

Note: Water categories (ia, oc, re, ri) not labeled over 90 percent coverage.

rm	RESERVOIR MARGIN	ea	Exposed Land
rm	RAILWAY SURFACE	rc	Rock / Rubble
rs	RIVER SEDIMENTS	is	Snow / Ice
rs	ROAD SURFACE		
ta	TALUS		
tl	TAILINGS		
ur	URBAN		

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
C	CULTIVATED FOREST /Species	NPB	NON PRODUCTIVE BRUSH	SL	SALT FLAT
C	CULTIVATED	NPBG	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRASS / HAY	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL BAR	OR	OPEN RANGE	NCB	NON COMMERCIAL BRUSH
ICE	ICEFIELD	OW	OPEN WOOD	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.

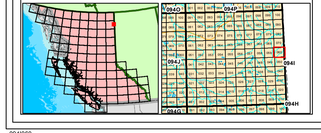
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either 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

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