093K073

Vegetation Map
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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 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 (GYS)
- Research Installations

TRIM_Base Features:
- 4a Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Fairstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aq/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: 28 years, 20 metres, 51-60% crown closure class 5 (51-60%), SI 20m
5 Vegetated Comedy 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 Oping Number

093 - opening number valid for BCGS mapsheet xxxx - 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 labelled 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	CYPRESS
Yc	Nootka Cypress
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 Hemlock x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Coastal Pine
Pli	Lodgepole x Jack Pine hybrid
Plc	Lodgepole Pine (coastal)
Pli	Shore Pine (Lodgepole)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sw	White Spruce
Sxl	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ua	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ai	Poplar
At	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ASBUTUS
Ra	Arbutus
K	CASCARA
C	Cascara
V	CHERRY
Vb	Black Cherry
Vv	Choke Cherry
Up	Pin Cherry
Vs	Bitter Cherry
Dd	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 (Bentley's)
Wr	Drummond's Willow (Mackenzie)
Ws	Sitcoa's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tea not on list)
Za	arbutus
Zh	other hardwood

EXOTICS

Ua	APPLE
Ac	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
B	BIRCH
Ea	European Birch
Ep	White Birch (clumpy)
Ey	Yellow Birch
E	CHERRY
Ey	Sweet Cherry
Yt	CYPRESS
Yo	*Port Orford Cedar
F	FIR (Balsam)
Bp	*Balsam Fir
Bn	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Ld	*Dahurian Larch
Le	*Siberian Larch
M	MAPLE
Am	Box Elder
Mr	*Norway Maple
Mp	*Japanese Maple
Oa	OAK
Oe	*English Oak
Or	*Red Oak
M	OTHER EXOTICS
Ob	*Incense Cedar
Ol	*Western Larch
Op	*Coast Redwood
Ow	European Mountain Ash
Ot	Siberian Elm (southern)
Of	Common Pear
Oc	*Black Locust
Ok	*White Ash
Or	*Shagbarks Hickory
Oh	*Horsechestnut
Oj	Japanese Walnut
PINE	
Pn	*Monterey Pine
Pp	*Red Pine
Py	*Sugar Pine
S	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 is shown as a whole number, no decimal reading applies. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren=t present, e.g. Deciduous, Pine, Immature, Overmature. The SI source code provides SI 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
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- w SHRUB LOW - shrub with average shrub height < two metres.

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

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

NON VEGETATED
- r ROCK / RUBBLE
- re Rock / Rubble
- w SNOW / ICE

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mv	MUDFLAT SEDIMENT
be	BEACH	l	LAKE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bu	BUILT-UP	r	RIVER/STREAM	rd	ROAD/TRAIL
bz	BURNED AREA	s	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	rs	OPEN PIT MINE	w	RESERVOIR
dy	DRY/SALINE SOILS	mn	MORAINE	wr	RIVER/STREAM
gl	GLACIER				

Note: Water categories (w, ws, re, s) mapped over 90 percent coverage.

mr	RESERVOIR MARGIN
ra	RAILWAY SURFACE
rm	ROAD SEDIMENTS
rp	ROAD SURFACE
ta	TALUS
tl	TAILINGS
ub	URBAN

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

A	ALPINE	MF	NON-PRODUCTIVE	SAND	SAND
AT	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BE	BEACH / RIVER BAR	NPBU	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
KB	KEIFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
MS	MEADOW	R	ROCK	NPLR	NON PRODUCTIVELY RESTOCKED
MUD	MUDFLAT	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	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Core 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 VIEWER can be used to view the 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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