094L075

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:
- 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
- HydroNavBarriers - 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 (Dougla 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

OP - opening number valid for BCGS mapsheet OPX - 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	Ua	APPLE
Cw	Western Red Cedar	Dr	Red Alder		ASPEN, COTTONWOOD or POPLAR
Y	CYPRESS	U	APPLE	Ad	*Southern Cottonwood
Yc	Yellow Cedar	Up	Pacific Crab Apple		BIRCH
F	DOUGLAS FIR	A	ASPEN, COTTONWOOD or POPLAR	Ea	European Birch
Fd	Douglas Fir	At	Poplar	Ew	European Birch (swamp)
Fdc	Coastal Douglas Fir	Act	Black Cottonwood	Ey	*Yellow Birch
Fdi	Interior Douglas Fir	Act	Black Cottonwood		CHERRY
B	FIR (balsam)	Ax	hybrid Poplars	Vs	Sweet Cherry
Ba	Amabilis Fir	At	Trembling Aspen		CYPRESS
Bg	Grand Fir	R	ARBUTUS	Yp	*Port Orford Cedar
Bl	Subalpine Fir (alpine)	Ra	Arbutus		FIR (Balsam)
H	HEMLOCK	E	BIRCH	Bb	*Noble Fir
Hm	Mountain Hemlock	Ep	Alaska x Paper Birch	Bp	Noble Fir
Hw	Western Hemlock	Epp	Alaska x Paper Birch hybrid	Bm	*Shasta Red Fir
Hxm	Mountain x Western Hemlock hybrid	Ep	Paper Birch (white)	Bc	*White Fir
J	JUNIPER	Ew	Water Birch		LARCH
Jr	Rocky Mtn. Juniper	K	CASCARA	Ld	*Dahurian Larch
Js	Scopulorum Juniper	Kc	Cascara	Lx	*Siberian Larch
L	LARCH	V	CHERRY		MAPLE
La	Alpine Larch	Vc	Choke Cherry	Me	Box Elder
Lt	Tamarack	Vo	Choke Cherry	Mn	*Norway Maple
Lw	Western Larch	Vp	Pin Cherry	Ms	*Sycamore Maple
P	PINE	G	DOGWOOD		OAK
Pj	Jack Pine	Gp	Pacific Dogwood (western flowering)	Qe	*English Oak
Pl	Limber Pine	M	MAPLE	Qw	*White Oak
Pli	Lodgepole Pine	Mb	Bigleaf Maple (broadleaf)		OTHER EXOTICS
Plc	Lodgepole Pine (interior)	Mv	Vine Maple	Ox	*Incense Cedar
Pxj	Lodgepole x Jack Pine hybrid	O	OAK	Ob	*Giant Sequoia
Py	Ponderosa Pine (yellow)	Qg	Garry Oak	Oc	*Coast Redwood
Pp	Ponderosa Pine	W	WILLOW	Oe	European Mountain Ash
Pw	Western White Pine	Wb	Scouler's Willow	Oa	Siberian Elm (southern)
Pa	Whitebark Pine	Wb	Pacific Willow	Of	Common Pear
S	SPRUCE	Wa	Peachleaf Willow (Barclay's)	Op	Oregon Ash
Sb	Black Spruce	Wd	Pussy Willow (gray-leaved)	Og	Oregon Ash
Se	Engelmann Spruce	Wn	Scouler's Willow	Oh	*White Ash
Ss	Sitka Spruce	Wr	Sitka Willow (tea-leaved)	Ot	*Shagbarck Hickory
Sw	White Spruce		**UNKNOWN - OTHER**	Ol	Tree-of-heaven
Sxw	Spruce hybrid	X	UNKNOWN	Ok	Japanese Walnut
Sxw	Engelmann x White	Xc	unknown conifer		PINE
Sxl	Sitka x White	Xh	unknown hardwood	Pm	*Monterey Pine
Sxs	Sitka x unknown hybrid	Z	OTHER (tree not on list)	Pr	*Red Pine
Y	YEW	Zc	other conifer	Ps	*Sugar Pine
Tw	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	141-250
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 based on the age and height of the leading species. 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 arenot 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
- at SHRUB TALL - shrub with average shrub height > or = to two metres.
- al 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 gaminoids > 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
- ar Exposed Land
- ro Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

- ap AIRPORT
- be BEACH
- bl BLOCKFIELD
- br BEDROCK
- bu BURNED AREA
- cb CUTBANK
- es EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- lb LAVA BED
- li LANDING
- ls POND or LAKE SEDIMENTS
- mi OPEN PIT MINE
- mn MORAINE
- mu MUDFLAT SEDIMENT
- mz RUBBLY MINE SPOILS
- oc OCEAN
- ot OTHER
- pn SNOW COVER
- re RESERVOIR
- ri RIVER / STREAM
- rm RESERVOIR MARGIN
- rr RAILWAY SURFACE
- rs RIVER SEDIMENTS
- ru ROAD SURFACE
- ta TALUS
- tl TAILINGS
- ur URBAN

Note: Water categories (la, oc, re, ri) not labelled over 80 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	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	N/A	NO TYPING AVAILABLE	NC	NON COMMERCIAL
OR	OPEN RANGE	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	R	ROCK / TALUS	NP	NON PRODUCTIVE
M	MEADOW	S	SWAMP	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT			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.

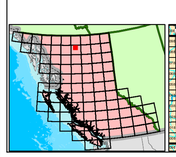
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

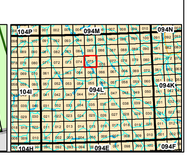
Example Opening History Details

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





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