093N026

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 displayed on this map corresponds to data Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend is instore June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure 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
- Airl Fairies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolke/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 Stand Age, Height, Crown Closure Class and Site Index
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-10%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a treed polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Coping Number

xxxx - opening number valid for BCGS mapsheet
zzzw - 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 dated 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)
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
H	HEMLOCK Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Common Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Pa	Whitebark Pine (alpine)
Pfo	Shore Pine (coast)
Pw	Western White Pine
Py	Ponderosa Pine (yellow)
Pfc	Shore Pine (coast)
Pw	Western White Pine
Py	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce Hybrid
Sxe	Engelmann x White
Sxs	Sitka x White
Sxx	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	Broad-leaf
Dr	Red Alberta
U	APPLE
Ua	APPLE Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
Ep	Paper Birch
Epp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Cascara
V	CHERRY
Vm	Choke Cherry
Vb	Bitter Cherry
Vi	Choke Cherry
Vp	Pin Cherry
Vu	Sweet Cherry
Dg	OGGNOOD
Dg	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	Oak
Q	Garry Oak
Qg	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bentzly's)
Wr	Scouler's Willow (low-level)
Ws	Scouler's Willow
Wt	Sitka Willow (low-level)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zd	other deciduous
Ze	other hardwood

EXOTICS

Ua	APPLE
Ap	Apple
At	ASPEN, COTTONWOOD or POPLAR
Ae	Trembling Aspen (Cultivated)
Eb	BIRCH
Ew	European Birch
Ey	Yellow Birch (Swamp)
Ey	Yellow Birch
Vv	CHERRY
Vv	European Cherry
Y	CYPRESS
Yp	Port Orford Cedar
E	EUCALYPTUS
Eg	Bluegum
Ep	Noble Fir
Fb	Silvana Red Fir
Fv	Veitchi Fir
L	LARCH
Lk	Dahurian Larch
Ls	Siberian Larch
Lt	LARCH
Box	Box Elder
Mn	Norway Maple
Mp	Sycamore Maple
Mt	MAPLE
Oq	English Oak
Oq	Garry Oak
O	OTHER EXOTICS
Oa	Incense Cedar
Ob	Monterey Cedar
Ol	Cedar Redwood
Ov	Coast Redwood
Ou	Common Alder
Ow	Oregon Ash
Ow	Oregon Ash (southern)
Of	Common Pear
Oc	Common Pear
Oh	White Ash
Oi	Shagbark Hickory
Oj	Black Walnut
Oj	Japanese Walnut
PINE	
Pm	Monterey Pine
Pr	Red Pine
Ps	Scots Pine
SPRUCE	
Se	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 subline SI lines cannot present, e.g. young stands (<30yrs). It is denoted by a letter 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
- s SHRUB - shrub with average shrub height > or = to two metres.
- st SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h 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
- bs 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	gg	GRAVEL PIT
be	BEACH	lk	LAKE
bl	BOULDERFIELD	lkb	LAKE BED
br	BEDROCK	ld	LANDING
bu	BURNED AREA	la	POND or LAKE SEDIMENTS
ex	EXPOSED SOILS	mi	MINE or MINE
ex	EXPOSED SOILS	mo	MOSAMIC
gl	GLACIER		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
mi	RUBBLY MINE SPOILS	rm	RAILWAY SURFACE
ro	ROCK	rd	ROAD SURFACE
st	OTHER	rd	ROAD SURFACE
sn	SNOW COVER	ta	TALUS
sn	SNOW FIELDS	ta	TALUS
r	RIVER / STREAM	ur	URBAN

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

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
C	CULTIVATED FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH	SILT	SILT FLAT
CI	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	URBAN	URBAN
GL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species		
GL	GRAVEL BAR	N/A	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GL	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	R	ROCK	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
W	WOODY FUEL	S	SWAMP	N/A	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code proceeded 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
	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

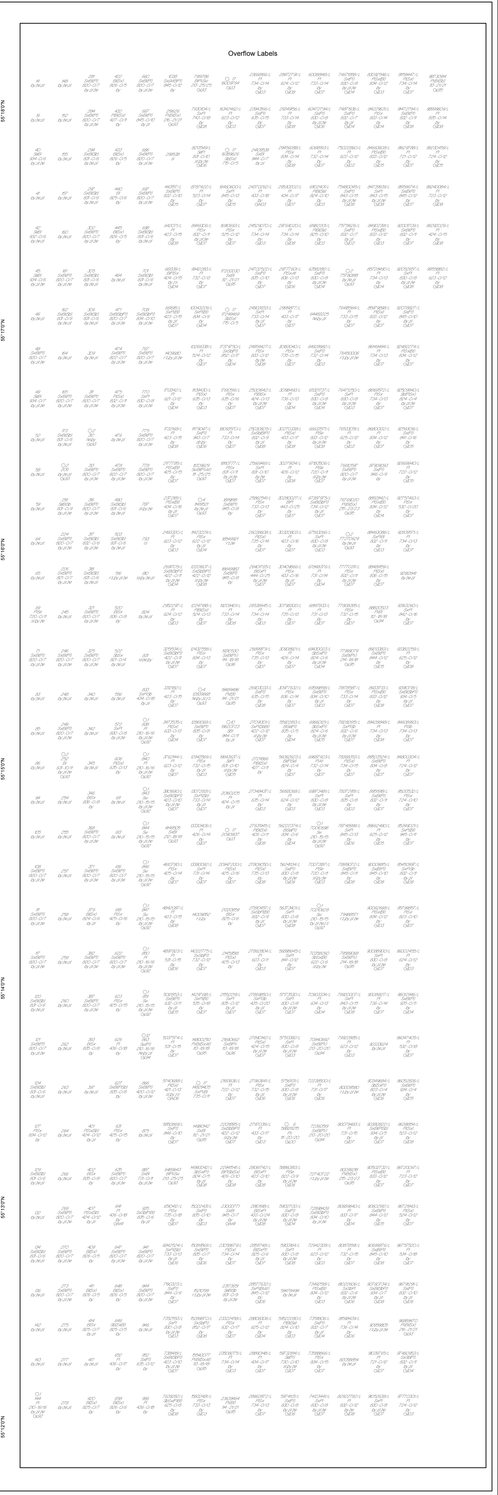
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thermed RESULTS data.

The Ministry of Forests, Mines and Lands web application "MapView" provides access to 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
SILVICULTURE BASE
SILVICULTURE/ FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels



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