082G046

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 / Terrain

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 revised is June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Feature s:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM - Base Feature s:
- 4x Rural Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railroads
- Air Parties
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - 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 if any)
3. Species Composition
   ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4. Age, Height, Crown Closure Class Code - separated by Slash (/)
   ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (5-15%), SI 20+m
5. Non-Vegetated or Non-Forested Descriptions
   ex: a herb polygon with no distinction between forbs and graminoids, shrubs less than 2 m.
6. Disturbance History & year: ex: Logged in 1978

Line 1 - History Record Opening Number

-opening number+unit for RESULTS mapsheet — 0009 -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	Alaska 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)
Bi	Interior Fir
Hw	Western Hemlock
Hm	Mountain Hemlock (western hemlock hybrid)
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lt	Western Larch
P	PINE
Pl	Lodge Pine
Pf	Lanbtan Pine
Pl	Lodgepole Pine
Plc	Coastal Lodgepole
Pli	Lodgepole x Jack Pine hybrid
Pj	Pondersa Pine (yellow)
Pa	Whitebark Pine
Pw	Western White Pine
Pa	Whitebark Pine
Py	Yellow Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Western Spruce
Sx	White Spruce
Sx	Spruce hybrid
Sxw	Spruce hybrid x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka
Te	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Dr	Red Alder
U	APPLE
Ua	Pacific Crab Apple
A	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 Paper Birch hybrid
Ew	Water Birch (willow)
K	CASCARA
H	HAWTHORN
Hd	DOGWOOD
Hdn	Pacific Dogwood (western flowering)
Mv	MAPLE
Mb	Bigleaf Maple (vine/leaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wpg	Pacific Willow
Wb	Peach-leaf Willow (Bebb's)
Wy	Pacific Willow (Lasiandra)
Wsp	Scouler's Willow
Ww	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown
Xc	unknown conifer
Xh	unknown hardwood
Xs	unknown species list)
Z	other conifer
Zh	other hardwood

EXOTICS

A	ALPINE
Ae	Alpine
Ax	ASPEN, COTTONWOOD or POPLAR
Act	Western Cottonwood
Be	European Birch
Bp	Paper Birch (exotic)
Ep	Yellow Birch
Eb	CHERRY
Ye	Bird Cherry
Y	CYPRESS
Yp	"Port Orford Cedar
L	LARCH
Lk	Japanese Larch
Lx	Hybrid Larch
MAPLE	
Mb	Bigleaf Maple
Mp	Norway Maple
Mt	Tatarian Maple
O	OAK
Or	"English Oak
Ow	"White Oak
Op	"Pin Oak (exotic)
Oc	"Chinese Cedar
Ob	"Giant Sequoia
Ob	"Coast Redwood
Ob	"Dawn Redwood-fern
Ob	Eastern Elm (southern)
Ob	Common Pear
Ob	"Black Locust
Ob	"White Ash
Ob	"Smallpox Hickory
Ob	"Black Walnut
Ob	Japanese Walnut
PINE	
Pn	"Austrian Pine
Pn	"Red Pine
Pj	"Scots Pine
Pn	"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)
1	5 - 10
2	11 - 25
3	26 - 35
4	36 - 45
5	46 - 55
6	56 - 65
7	66 - 75
8	76 - 85
	86 - 100

4d SITE INDEX
All SI are shown to the nearest metric referenced at 50 years breast height age. SI may be derived from a variety of different treating species. Minimum 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 are not present, e.g. Immature stands, Non-forested areas, etc. Estimated SI is based on provided SI Associated Notes in the data base and Inventory Type Group and Estimated source code.

Line 5 - Vegetation records 1

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON TREED SHRUB
- s SHRUB — shrub with average shrub height > or = to two metres.
- d DWRUB 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 graminoids >50% of the herb cover.

NON TREED BRYOID
- by BRYOID — 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 ESSENTIAL
- o Other Plants
- br Rock / Rubble
- w Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gl	GRAVEL PIT
be	BEACH	la	LAKE
bf	BOG/FEN	lg	LOGGED
br	BROWNFIELD	ll	LANDING
bu	BURNED AREA	lp	POND at LAKE SEDIMENTS
cl	CLEARING	ri	RIVER/STREAM
ek	EXPOSED SOILS	rs	RESERVE
gl	GLACIER		

mu MUDFLAT SEDIMENT
mz RUBBLY MINE SPOILS
o OTHER
pl OTHER
pr SNOW COVER
rd ROAD SURFACE
ri RIVER/STREAM
rm RESERVOIR MARGIN
rr RAILWAY SURFACE
ta TALUS
ta TALUS
ur URBAN

Note: these categories (ek, cl, rd) will be lettered over 60 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
C	CULTIVATED FOREST (Species	NPB	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	R	ROCK/RUBBLE
GR	GRAVEL PIT	S	SWAMP
ICE	ICEFIELD	F	HAYFIELD
M	MEADOW	P	PASTURE
MUD	MUDFLAT	S	SWAMP

SAND SAND
SNOW PAT
U URBAN

NC NON COMMERCIAL
NCBR NON COMMERCIAL BRUSH
NF NON PRODUCTIVE
NFB NON PRODUCTIVE RESTOCKED
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
B	Wildfire	M	Mine Damage
G	Cone and Seed Insects	N	Non-Biological Injuries
I	Insects	P	Cone and Seedling Fungal Pathogens
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

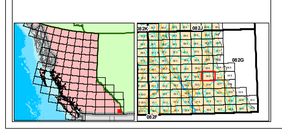
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either MFP 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





Rocky Mountain Natural Resource District

KOOTENAY DISTRICT

Overflow Labels

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