093N020

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 display the vegetation resource inventory (VRI) data collected by the Ministry of Forests. 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 (SYS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Aid Fences
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatbarriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV_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 (Douglas Fir) and Hw (Western Hemlock).
Fd70Hw30 Fd is 70% of the stocking. Hw is 30% of the stocking. Site Index / estimated SI
20 / 30 ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
3M/F 5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
Q/CP 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

opening number valid for BCGS mapsheet — 093K : 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 4.6 dated January 2009.

NATIVE CONIFERS

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)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain Hemlock x Western Hemlock hybrid
J	JUNIPER
Jd	Rocky Mtn. Juniper
Jr	Juniper spp.
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine Hybrid
Pog	Ponderosa Pine (Grey)
Pw	Western White Pine
Pwb	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	ARBUTUS
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ad	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
R	ARBUTUS
Rb	Arbutus
E	BIRCH
Ep	Alaska Paper Birch
Eph	Alaska x Paper Birch hybrid
Pap	Paper Birch (white)
Ec	Water Birch
K	Cascara
C	CHERRY
Cm	Choke Cherry
Cv	Choke Cherry
Cp	Pin Cherry
Cd	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
V	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Barrette's)
Ww	Pussy Willow (gray-leaved)
Wr	Scouler's Willow
Wy	Willow spp. (yellow-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

X	APPLE
Ux	Apple
A	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
E	BIRCH
Ek	European Birch
Ey	Silver Birch (swamp)
Ey	Yellow Birch
C	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yo	Port Orford Cedar
Y	YEW
Ybr	Brazeri Fir
Bg	Noble Fir
Bm	Shasta Red Fir
Bc	White Fir
L	LARCH
Ld	Siberian Larch
Lo	Siberian Larch
M	MAPLE
Mk	Box Elder
Mr	Norway Maple
Mb	Sycamore Maple
OA	OAK
Qe	English Oak
Qw	White Oak
XC	OTHER EXOTICS
Ox	Incense Cedar
Ol	Monterey Cedar
Ot	*Cedar Redwood
Od	European Mountain Ash
Oj	Japanese Mountain Ash
Ot	Common Pear
Og	Oregon Ash
Oh	White Ash
Oi	*Shagbark Hickory
Ow	Black Walnut
Ok	Japanese Walnut
PINE	
Pm	Monterey Pine
Pn	*Red Pine
Ps	*Scots Pine
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 cannot 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 Y and I record's)

NON-TREES SHRUB
sh - SHRUB LOW — shrub with average shrub height < or = to two metres.
sl - SHRUB LOW — shrub with average shrub height < two metres.

NON-TREES 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-TREES BRYOID
by - BRYOIDS — bryoid with no distinction between mosses and lichens by cover.
bm - BRYOID - MOSSES — bryoid with mosses > 50% of the bryoid cover; mosses nearly > 50% of the bryoid cover.
bl - BRYOID - LICHENS — bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for Y and I record's)

ai	AIRPORT	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	lk	LAKE	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lg	LAVA BED	oc	OCEAN
bu	BUILT-UP	lk	LAKE	ot	OTHER
bu	BURNED-AREA	lk	LAKE/NO LAKE SEDIMENTS	pn	SNOW COVER
cl	CUTBANK	lk	OPEN PIT MINE	re	RESERVOIR
ex	EXPOSED SOILS	se	SEDIMENT	r	RIVER / STREAM
gl	GLACIER				

Note: Water categories (lk, oc, re, r) not labelled over 50 percent coverage.

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	ROCK OUTCROPS
r	ROAD SURFACE
ta	TALUS
tz	TAILINGS
u	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTION CODES (for F record's)

AF	ALPINE FOREST	NPBR	NON-PRODUCTIVE BRUSH	SAND	SAND
AFBR	ALPINE FOREST-Species	NPBR	NON-PRODUCTIVE BRUSH	TFLAT	TIDAL FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CP	CUTBLOCK-PLANTED	NPBU	NON-PRODUCTIVE BURN-Species		
G	GRAVEL BAR	NTA	NOTYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
L	LAKE	R	ROCK OUTCROP	NF	NON FOREST
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	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.

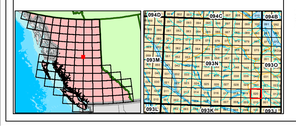
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
H	Harvesting		
		S	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of 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
OPENING - TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels

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