092I017

Vegetation Map
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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
- 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
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkfish/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RV. 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
an 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
an: 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)
6 For a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
7 Disturbance History & year - ex. logged in 1978

Line 1 - History Record Opening Number

'xxx' - opening number valid for BCGS mapsheet 'nnnn' - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

nnnnn Polygon Number - (typically) 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 dataed 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)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Western Hemlock Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Shore Pine (coastal)
Pw	Western White Pine
Pxj	Jack x Lodge Pine
S	SPRUCE
Sb	Black Spruce
Sbk	Black Spruce hybrid
Se	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

A	ALDER
Ar	Red Alder
U	APPLE
Ue	Pacific Crab-Apple
At	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Black Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ew	Water Birch (Kenai)
Ew	Water Birch
K	CASCARA
C	Cascara
D	DOGWOOD
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vs	Sweet Cherry
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bartcky's)
Ww	Pussy Willow (gray-leaved)
Wr	Scouler's Willow
Wt	Sitka Willow (low-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE
Act	ASPEN, COTTONWOOD or POPLAR
Ae	European Birch
Ep	Paper Birch (Swamp)
Ew	Yellow Birch
Vs	CHERRY
Vs	European Mountain Ash
Yp	CYPRESS
Yp	"Port Orford Cedar
Ye	Yellow Cypress
Fa	"Balsam Fir
Bp	Noble Fir
Bm	"Shasta Red Fir
Bc	"White Fir
Lk	LARCH
Lyl	"Siberian Larch
Lyl	"Siberian Larch
Mb	MAPLE
Mb	Box Elder
Mh	"Norway Maple
Mp	"Sycamore Maple
Qa	OAK
Qe	"English Oak
Qm	"Garry Oak
Xx	OTHER EXOTICS
Ox	"Incense Cedar
Ol	"Alaska Cedar
Oj	"Coast Redwood
Oe	European Mountain Ash
Oj	"Japanese Cedar(Sugi)
Of	Common Fir
Og	Oregon Ash
Oa	Arbutus
Ot	"Shagbark Hickory
Ot	Tree-of-Heaven
Ok	Japanese Walnut
Pm	"Monterey Pine
Pn	"Red Pine
Ps	"Scots Pine
Pf	"Douglas Fir
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 whenever at 50 years Breast Height Age. SI is based on the age and height of the dominant trees. Site Index is recorded as the actual tree age and height, whether SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren't present, e.g. young stands (<30yrs). It is denoted by a slash which always follows the estimated site index value. Codes are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES: (for V and I record/s)

NON-TREED SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h HERBS - 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 > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES: (for V and I record/s)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bl	BOULDERFIELD	lk	LANDING	ol	OTHER
br	BEDROCK	ll	LANDING	oi	OTHER
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	pn	SNOW COVER
cl	CLIFF/CANYON	mi	MINE or MINE	ri	RIVER or STREAM
es	EXPOSED SOILS	ow	WOUNDS	rs	RIVER / STREAM
gl	GLACIER				

NON-VEGETATED
- ei Exposed Land
- ir Ice / Glacier
- is Snow / Ice

rm	RESERVOIR MARGIN		
rm	RAILWAY SURFACE		
rn	RUNWAY SURFACE		
rs	ROAD SURFACE		
ta	TALUS		
uc	UNKNOWN		
ur	URBAN		

Note: Water categories (la, ss, w, ri) not labeled over 50 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AT	ALTERNATE FOREST (Species Composition)	NPBR	NON PRODUCTIVE BRUSH
CL	CLAY BANK	NPBSI	NON PRODUCTIVE FOREST (Species Composition)
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LAKE	R	ROCK OUTCROP
M	MEADOW	S	SWAMP
MUD	MUD FLAT		
SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NF	NON FORESTED		
NSR	NOT SUFFICIENTLY RESTOCKED		
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.

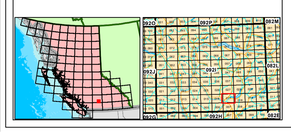
A	Animal Damage	L	Logging
B	Wildfire	M	Misc Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects	R	Site Rehabilitation
		T	Treatment Injuries
		U	Undetermined
		V	Problem Vegetation

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
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



Overflow Labels

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