092N079

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 contained 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
- Nonforest 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
- Airf/Helis
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- HydroNetBarriers - 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 (< 1:500,000 ha - 15 % hatch)
- Municipal boundary (> 1:500,000 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 than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

CUT - opening number valid for BCGS mapsheet
2039 - 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 labelled 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
Yc	Yellow-cedar Red Cedar
Cw	CYPRESS
Yc	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)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Hybrid Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pla	Lodgepole Pine (interior) x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pxj	Whitebark Pine x Jack Pine hybrid
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Prince Rupert Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Sitka x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab-Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Ep	Pacific Dogwood
B	BIRCH
Ea	Alaska Paper Birch
Ebp	Alaska Paper Birch hybrid
Ew	Water Birch
Ey	Yellow Birch
C	Cascara
Y	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vm	Mazzard Cherry
Q	DOGWOOD
Qp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpg	Pacific Willow (Barclay's)
Wrd	Rusty Willow (grey-leaved)
Ws	Scouler's Willow
Wsl	Sitka Willow (low-leaved)

UNKNOWN - OTHER

X	unknown
Xc	unknown conifer
Xh	unknown hardwood
Xl	other (value not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

	APPLE
Ua	Apple
	ASPEN, COTTONWOOD or POPLAR
Ad	Northern Cottonwood
	BIRCH
Ea	European Birch
Ekl	Kamchatka Birch
Ey	Yellow Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yg	Nootka (Gold) Cedar
F	FIR (Balsam)
Bb	*Balsam Fir
Bn	*Nikko Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Ld	*Dahurian Larch
Ld	*Siberian Larch
M	MAPLE
Mk	Box Elder
Mn	Norway Maple
Mp	*Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ot	*Tree of Heaven
Oc	*Coast Redwood
Od	European Mountain Ash
Or	Siberian Elm (southern)
Oj	*Japanese Walnut
Oa	Oregon Ash
Ox	*White Ash
Ob	*Black Locust / Hickory
Ol	Tree-of-heaven
Ok	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
	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

SI 20 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 aremnt present, e.g. young stands (<30yrs). It is denoted by a stash 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
- sh - shrub with average shrub height > or = to two metres.
- s - SHRUB / LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he - HERB
- H - 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
- bm - BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover.
- bl - BRYOID - LICHENS - bryoid with moses, liverwrts, and hornwarts > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	lk	LAKE	mv	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
bo	BOULDERS	lo	LOG DUMP	pe	PERMANENT ICE
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	sn	SNOW COVER
ct	CUTBANK	ms	OPEN PIT MINE	rr	RESERVOIR
ea	ERODED SOILS	mn	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

Note: Water categories (la, rs, ri) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN				
rw	RAILWAY SURFACE				
rs	RIVER SEDIMENTS				
ro	ROAD SURFACE				
tl	TALUS				
ti	TAILINGS				
ur	URBAN				

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	SF	SALT FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
D	DECIDUOUS	NPL	NON PRODUCTIVE LAND	NC	NON COMMERCIAL
GR	GRAVEL PIT	OA	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	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.

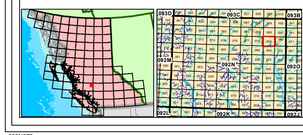
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW Silviculture Data Model Map. The MapView example is of thinned 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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