094I009

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 consistent with other data collections, 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 (CVS)
- Research Installations

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines-Barriers - 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 (< 1,000,000 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:

CU2 / 6CH / 7Hw / 8D / 9D / 10E / 11G / 12G

LINE DESCRIPTION
1. Silviculture symbol and Opening Number
2. Polygon Number and multi-layer stand indicator (L)
3. Species Composition
   - ex: stand is single layer is described as Fd (Douglis 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 Opning Number

CU2 - opening number valid for BCGS mapsheet 7I2K - 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

C	CEDAR
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)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Hybrid (Hw x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	White Pine
Pl	Lodge Pole Pine
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Pld	Lodgepole x Jack Pine hybrid
Pj	Jack Pine
Pjc	Coastal Jack Pine
Pxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pw	Whitebark Pine
Ps	Spruce
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce hybrid x White
Sxl	Spruce hybrid
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplar
At	Trembling Aspen
E	ARBUTUS
Ra	Arbutus
V	BIRCH
Vk	Alaska Paper Birch
Vxp	Alaska x Paper Birch hybrid
Vp	Paper Birch (white)
Vw	Water Birch
K	CASCARA
Kc	Cascara
Y	CHERRY
Yb	Bitter Cherry
Ye	Choke Cherry
Yp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
Q	TRUE OAK
Qg	Garry Oak
Qx	Oak hybrid
Wp	Bebb's Willow
Wp	Pacific Willow
Wb	Black Willow (Bentzly's)
Ww	Pussy Willow (grey-leaved)
Ws	Scouler's Willow
Wl	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (title on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ux	APPLE ASPEN, COTTONWOOD or POPLAR
Ax	*Southern Cottonwood
Ep	European Birch
Ek	Silver Birch (swamp)
Ey	*Yellow Birch
Ys	CHERRY Sweet Cherry
Yp	*Red Orford Cedar
Fb	DOUGLAS FIR *Balsam Fir
Bp	Noble Fir
Bn	*Nordmann Fir
Bs	*White Fir
L	LARCH
Ld	*European Larch
Lx	*Siberian Larch
MB	MAPLE
Mr	Red Alder
Mp	*Norway Maple
Ms	*Sycamore Maple
OA	OAK
Qe	*English Oak
Qw	*White Oak
X	OTHER EXOTICS
Oe	*Incense Cedar
Oc	*Giant Sequoia
Ol	*Coast Redwood
Ob	European Mountain Ash
Oa	Siberian Elm (ischorn)
Oh	*Common Horse
Og	Oregon Ash
Oh	*White Ash
Oi	*Staghorns Hickory
Ot	*Tree of heaven
Ow	*Japanese Walnut
PINE	
Pm	*Monterey Pine
Pp	*Ponderosa
Py	*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 - 45.4
6	45.5 - 54.4
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 dominant trees. Site index is estimated at the time of harvest from age and height, estimated 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 SI. Estimated SI is based on the Site Index Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

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

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

NON-TREED HERB
- hf HERB - FORBS - 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
- w Exposed Land
- wr Rock / Talus
- ss Snow / Ice

NON VEGETATED CATEGORIES (for V and I records):

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bf	BOG/FIELD	ld	LAND FILLED	ra	ROADS
bg	BEDROCK	lg	LANDING	rd	ROAD-SURFACE
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	rp	SNOW COVER
cb	CLIFF/BANK	mi	MINE - OTHER	ta	TALUS
ex	EXPOSED SOILS	mn	MORAINE	ur	URBAN
gl	GLACIER				

Note: Water categories (la, ds, ra, rd) not labeled over 90 percent coverage.

re	RESERVOIR MARGIN		
rw	RAILWAY SURFACE		
rr	RIVER / STREAM		
rd	ROAD-SURFACE		
ta	TALUS		
ur	URBAN		

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

AI	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
CL	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CF	CULTIVATED FOREST	NPF	NON PRODUCTIVE FOREST (Species
GL	GRAVEL BAR	NTA	NOT TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
LA	LAKE	RO	ROCK OUTFALL
M	MEADOW	S	ROCK
MUD	MUD FLAT	S	SWAMP
		SAND	SAND
		TIDE	TIDAL FLAT
		U	URBAN
		NC	NON COMMERCIAL
		NCBR	NON COMERCIAL BRUSH
		NCF	NON COMMERCIAL
		NSR	NOT SUFFICIENTLY 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	Mde Damage
C	Insects 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		

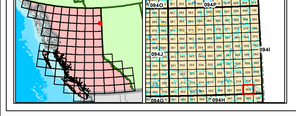
Example Opening History Details

Detailed Silviculture information is available on the BCGW 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 - PLANTING UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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