0921043

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 on this map is derived from the Base 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 (SYS)
- Research Installations

TRIM, Base Features:
- Au Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ports
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/Man/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BEV 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 fac - 1% % hatch)
- Municipal boundary (< 1:500,000 fac - 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
106	1 Silviculture symbol and Opening Number
47-48	2 Polygon Number and multi-layer stand indicator (L)
Fdi 35	3 Species Composition
Fdi 35	ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
Hw 25	4 Age, Height, Crown Closure and Class Code - separator: Site Index / estimated SI
Hw 25	ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
KPK/D	5 Site Series (Biogeoclimatic Subzone/Variant)
	ex: a leafy 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 used for BCGS mapsheet ; ----- - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

Inventy 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 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 dated January 2009

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Y	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
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sekkade Juniper
L	LARCH
Lt	Tamarack Larch
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole pl (Coast)
Pli	Lodgepole pl (Int)
Plx	Lodgepole x Jack Pine hybrid
Pm	Mountain Pine (alpine)
Pmi	Shore Pine (coastal)
Pp	Ponderosa Pine
Pw	Whitebark Pine
Py	Yellow Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Engelmann Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce Hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Ep	Pacific Crab Apple
Ew	Black Cottonwood or POPLAR
Ep	Poplar
Act	Balsam Poplar
At	Trembling Aspen
Ax	Hybrid Poplars
Ac	Black Cottonwood
K	ARBUTUS
R	Arbutus
V	ASH
Vk	Alaska Paper Birch
Vp	Alaska Paper Birch hybrid
Vp	Paper Birch (white)
Ew	Water Birch
Vr	Red Birch
C	CASCARA
Y	CHERRY
Yb	Black Cherry
Yc	Choke Cherry
Yp	Pin Cherry
Yv	Bitter Cherry
Ep	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
G	OAK
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wp	Peachleaf Willow (Bebb's/p)
Wr	Scouler's Willow (Barclay Hemock)
Wg	Sitka Willow
Wy	Sitka Willow (low-branch)

UNKNOWN - OTHER

X	unknown conifer
Z	unknown hardwood
Zn	other conifer (or tree)
Zn	other conifer
Zh	other hardwood

EXOTICS

Ai	APPLE
Ai	Apple
Ax	ASPEN, COTTONWOOD or POPLAR
Ast	Southern Cottonwood
Ae	Aspen
Ew	European Birch
Ey	Silver Birch (swamp)
Ey	Silver Birch
Ec	CHERRY
Ec	Sweet Cherry
Y	CYPRESS
Yn	Nootka Cedar
Lt	LARCH (other)
Jb	Tibetan Fir
Pa	PINE
Pp	Ponderosa Pine
Ao	White Fir
Ao	Grand x White Fir
Lt	Tamarack Larch
Lt	Siberian Larch
Lt	Larch
Mr	Red Alder
Mh	Norway Maple
Mp	Sycamore Maple
Qe	English Oak
Qp	Pin Oak
Qr	OTHER EXOTICS
Qe	Holmes Cedar
Qe	Holmes Cedar
Qr	Cutleaf Redwood
Qe	European Mountain Ash
Qe	Common Hackberry
Qr	Common Pear
Qe	Sweet Gum
Qe	White Ash
Qe	Chinese Elm Hickory
Qe	Tree of Heaven
Qe	Japanese Walnut
Qe	Elm
Pm	Monterey Pine
Pr	Red Pine
Pn	Austrian Pine
Sn	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	141-200
9	201 +

4b: HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 28.4
4	28.5 - 36.4
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 average height of the leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown with a '+' replacing the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when: Leading species SI trees cannot be found, e.g. Recently logged areas, Stands with a basal area which reduces increases in Associated Note in the data base as Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

s	SHRUB	-	shrub with average shrub height > or = to two metres.
m	SHRUB TALL	-	shrub with average shrub height > two metres.
w	SHRUB LOW	-	shrub with average shrub height < two metres.

NON TREED HERBS

H	HERB	herb with no distinction between forbs and graminoids.
W	HERB - FORBS	herb with forbs > 50% of the herb cover.
Hg	HERB - GRAMINOIDS	herb with graminoids > 50% of the herb cover.

NON TREED BRYOID

b	BRYOID	bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS	bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
bl	BRYOID - LICHEN	bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES *(for I records)*

bs	BEACH	W	LAKE	mc	RUBBLY MINE SPOILS
bf	BURNED FIELD	L	LAKE SALTY	mf	SAWDUST
b	BIOSOLIDS	s	LANDING	mr	ROAD SURFACE
bu	BURNED AREA	s	POND or LAKE SEDIMENTS	sr	SNOW COVER
e	EXPOSED	m	MUD FLAT MINE	sl	SNOW LINE
es	EXPOSED SOILS	m	MUD FLAT SEDIMENT	sf	SPRAYS
g	GLACIER				

Note: Water categories (ls, w, m, s) not labelled cover 90 percent coverage.

mc	RUBBLY MINE SPOILS	mr	RESERVOIR MARGIN
mf	SAWDUST	mr	RAILWAY SURFACE
mr	ROAD SURFACE	mr	ROAD SURFACES
sr	SNOW COVER	mr	ROAD MARGIN
sl	SNOW LINE	tr	TALUS
sf	SPRAYS	u	UNCLASSIFIED
		uf	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES *(for F records)*

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
B	BURNED FOREST-Species	NPB	NON-PRODUCTIVE BRUSH	SILT	SILT / MAT
C	CULTIVATED	NPBG	NON-PRODUCTIVE GRASS	U	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST Species		
G	GRASS / HERB	NPL	NON-PRODUCTIVE-SALABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OPEN	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
KE	KEIFOLD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NPBR	NON PRODUCTIVE BRUSH
MUD	MUD FLAT	S	SWAMP	NTA	NOT TYPED AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
For more detailed disturbance type designates category, refer to official code list for sub-category descriptions.

A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
	Trees		
	Shrubs		
		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 Layers' to turn on display values for:

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
RESULTS DATA
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH