1041028

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 portrayed may not be complete and up to date Cadastral, administrative boundaries and the Ownership colour them e 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 (GYS)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydr/dkvBarriers - 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:

OE
ESAL
Fd6w/
Fd 20
Hw1
0479

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).
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 that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

OE - opening number valid for BCGS mapsheet

0000 - 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 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	Nootka 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	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pxj	Jack x Lodgepole Pine
Pw	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	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
Act	Balsam Poplar
Acb	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ew	Paper Birch (white)
Ey	Water Birch
K	CHERRY
V	Cascara
Vy	CHERRY
Vb	Bitter Cherry
Vv	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wa	Peachleaf Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Barclay's)
Wf	Fuzzy Willow (gray-leaved)
Ws	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE Apple
At	ASPEN, COTTONWOOD or POPLAR *Southern Cottonwood
Ep	BIRCH *Asian Birch
Ey	Silver Birch (swamp)
Ey	*Yellow Birch
Vs	CHERRY Sweet Cherry
Vy	*Bird Cherry
Yo	*Port Orford Cedar
Bb	FIR (Balsam) *Balkan Fir
Bp	Noble Fir
Bm	*Sitkala Red Fir
Bc	*White Fir
Lk	LARCH *Dahurian Larch
Ll	*Siberian Larch
Me	MAPLE Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
Oc	OAK *Chinkapin Oak
Qw	*White Oak
Oa	OTHER EXOTICS *Incense Cedar
Oc	*Giant Sequoia
Od	*Coast Redwood
Oj	*Japanese Mountain Ash
Oe	Siberian Elm (ornamen)
Of	Common Pear
Og	Oregon Ash
Oh	*White Ash
Oi	*Shagbark Hickory
Oj	Tree-of-Heaven
Ow	*Black Walnut
Pxc	PINE *Monterey Pine
Pn	*Red Pine
Py	*Sugar Pine
Sn	SPRUCE *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 known 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 are not 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 V and I records)

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

NON-TREED 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 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, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- el Exposed Land
- rs Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mp	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
br	BEDROCK	li	LANDING	or	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	ps	SNOW COVER
cb	CUT BANK	mi	OPEN PIT MINE	rv	RIVER/STREAM
ds	EXPOSED SOILS	mo	MORAINE	ri	RIVER / ESTREAM
gl	GLACIER				

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

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rz	ROAD SURFACE
ta	TALUS
tz	TAILINGS
u	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BE	BEACH	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

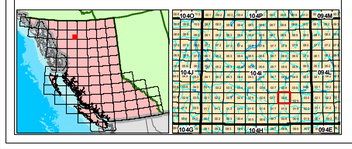
Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

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



1041037 1041038 1041039

1041027 1041028 1041029

1041017 1041018 1041019

80-108 80-107 80-109 76-129 130 138

Skeena Stikine Natural Resource District

CASSIAR DISTRICT

128°36'0"W 523,000 128°35'0"W 524,000 128°34'0"W 525,000 128°33'0"W 526,000 128°32'0"W 527,000 128°31'0"W 528,000 128°30'0"W 529,000 128°29'0"W 530,000 128°28'0"W 531,000 128°27'0"W 532,000 128°26'0"W 533,000 128°25'0"W 534,000 128°24'0"W 535,000 536,000

58°18'0"N 58°17'0"N 58°16'0"N 58°15'0"N 58°14'0"N 58°13'0"N 58°12'0"N

6,462,000 6,461,000 6,460,000 6,459,000 6,458,000 6,457,000 6,456,000 6,455,000 6,454,000 6,453,000 6,452,000 6,451,000

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