104J003

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 I 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 (GY3)
- Research installations

TRIM Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV 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
ex: 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
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:

OP - opening number valid for BCGS mapsheet OPN - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer:

VRIMS Polygon Number - ranging from one to nine digits
/L - Multilayered 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
Hmh	Mountain x 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	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pwa	Whitebark Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sk	Kenai Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x white-kenai hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Acb	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
E	BIRCH (ALDER)
Ea	Alaska Paper Birch
Eah	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Kc	Cascara
Vb	Black Cherry
Vc	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Big Leaf Maple (broadleaf)
Mn	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wa	Scouler's Willow
Wp	Pacific Willow
Wy	Peachleaf Willow (Barclay's)
Wf	Pussy Willow (grey-leaved)
Ws	Scouler's Willow
Wt	Sitka Willow (tree-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
Ae	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
E	BIRCH
Ee	European Birch
Es	Silver Birch (swamp)
Ey	*Yellow Birch
Y	CHERRY
Ys	Sweet Cherry
Yu	*Ussuri Plum
Yo	*Port Orford Cedar
Bb	*Balsam Fir
Bn	*Noble Fir
Bp	*Shasta Red Fir
Bc	*White Fir
Lt	LARCH
Ld	*Dahurian Larch
Ll	*European Larch
Me	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
Oak	OAK
Qe	*English Oak
Qw	*White Oak
Oak	OTHER EXOTICS
Ca	*Incense Cedar
Cs	*Giant Sequoia
Oc	*Coast Redwood
Oj	*Japanese Mountain Ash
Od	Edward Elm (southern)
Of	Common Pear
Oj	Oregon Ash
Oh	*White Ash
O	*Shagbarck Hickory
Ot	Tree-of-heaven
Ow	*Japanese Walnut
Pine	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar Pine
Pp	*Pitch Pine
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)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	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 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 aren't present, e.g. young stands (<30yrs). It is denoted by a caret 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
- ro 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	mz	RUBBLY MINE SPOILS
bi	BUILT AREA	lb	LAKEBED	ol	OTHER
br	BEDROCK	li	LANDING	ot	OTHER
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	pn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mm	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

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

rm	RESERVOIR MARGIN	SAND	SAND		
rn	RAILWAY SURFACE	TIDE	TIDAL FLAT		
rs	ROCK / RUBBLE	U	URBAN		
ru	ROAD SURFACE				
ta	TALUS	NC	NON COMMERCIAL		
tz	TAILINGS	NCBR	NON COMMERCIAL BRUSH		
ur	URBAN	NP	NON PRODUCTIVE		
		NSR	NOT SUFFICIENTLY RESTOCKED		
		NTA	NO TYPING AVAILABLE		

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
CL	CLEARED	NPBU	NON PRODUCTIVE BURN
FOR	FOREST	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NPN	NON PRODUCTIVE NON-ARABLE
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

Line 6 - Disturbance History

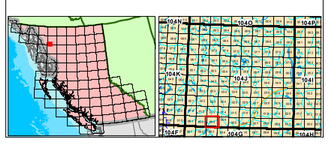
Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

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 Inamed 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



131°37'0"W 366,000 | 131°36'0"W 367,000 | 131°35'0"W 368,000 | 131°34'0"W 369,000 | 131°33'0"W 370,000 | 131°32'0"W 371,000 | 131°31'0"W 372,000 | 131°30'0"W 373,000 | 131°29'0"W 374,000 | 131°28'0"W 375,000 | 131°27'0"W 376,000 | 131°26'0"W 377,000 | 131°25'0"W 378,000 | 131°24'0"W 379,000

56°6'0"N 6,227,000 | 56°5'0"N 6,225,000 | 56°4'0"N 6,223,000 | 56°3'0"N 6,221,000 | 56°2'0"N 6,219,000 | 56°1'0"N 6,217,000 | 56°0'0"N 6,215,000

104J012 | 104J013 | 104J014 | 104J002 | 104J003 | 104J004 | 104G092 | 104G093 | 104G094

83-40 | 139 | 76-76 | 76-75 | 130 | 76-74 | 76-73 | 76-72

CASSIAR DISTRICT
Skeena Stikine Natural Resource District

Overflow Labels

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