104J071

Vegetation Map
104J071

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Marine - 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 Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (< 1:200,000 ha - 15 % hatch)
- Municipal boundary (> 1:200,000 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 (Dougls 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 non - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS 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 Corrupsition: 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	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
Pa	Alaska Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine (cloast)
Pwi	White Pine (interior)
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
V	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Acb	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Re	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ew	Water Birch
K	CASCARA
Kc	Cascara
C	CHERRY
Vs	Bitter Cherry
Vc	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
Wp	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bardaly's)
Wd	Pussy Willow (gray-leaved)
Wy	Scouler's Willow
Wl	Sitka Willow (sea-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 Apple
Act	ASPEN, COTTONWOOD or POPLAR *Southern Cottonwood
Ae	BIRCH European Birch
Ek	Silver Birch (swamp)
Ey	Silver Birch
Lt	CHERRY *Yellow Birch
Vs	Sweet Cherry
Yp	CYPRESS *Port Orford Cedar
Bb	FIR (Balsam) *Balsam Fir
Bn	*Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
Ld	LARCH *Dahurian Larch
Ld	*European Larch
Me	MAPLE Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
Qe	OAK *English Oak
Qw	*White Oak
Oa	OTHER EXOTICS *Incense Cedar
Ob	*Giant Sequoia
Oc	*Coast Redwood
Oe	*European Mountain Ash
Ow	Siberian Elm (southern)
Of	Common Pear
Og	Oregon Ash
Oh	*White Ash
Ot	*Shagbark Hickory
Ci	Tree-of-heaven
Oj	Japanese Walnut
Pm	PINE *Monterey Pine
Pr	*Red Pine
Ps	*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 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 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
- hf HERB - FORBS - herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOIDS - herb with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

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

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
be	BEACH	la	LAKE
bl	BLOCKFIELD	lb	LAVA BED
br	BEDROCK	lf	LANDING
cb	CUTBANK/AREA	lk	POND or LAKE SEDIMENTS
cn	CULTURAL	mk	OPEN PIT MINE
ds	EXPOSED SOILS	mm	MORAINE
gl	GLACIER	mu	MUDFLAT SEDIMENT
		mg	RUBBLY MINE SPOILS
		oc	OCEAN
		ot	OTHER
		rc	RIPARIAN COVER
		rr	RESERVOIR
		rs	RIVER / STREAM
		rm	RESERVOIR MARGIN
		rw	RAILWAY SURFACE
		rv	RIVER SEDIMENTS
		ro	ROAD SURFACE
		sn	SNOW
		ta	TALUS
		ur	URBAN

Note: Water categories (la, lo, rr, rs) labelled over 80 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST-Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
H	HERBACEOUS	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUD FLAT	S	SWAMP
		SAND	SAND
		TIDE	TIDAL FLAT
		U	URBAN
		NC	NON COMMERCIAL
		NCBR	NON COMERCIAL BRUSH
		NOT	NOT STOCKED
		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	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

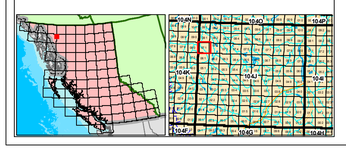
Example Opening History Details

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





104K090
104J081
104J082
104K080
104J071
104J072
104K070
104J061
104J062
83-32
83-41
83-33
83-46
83-47
139
CASSIAR DISTRICT
Skeena Stikine Natural Resource District
Overflow Labels
132°10'0"W 326,000 132°0'0"W 327,000 131°59'0"W 328,000 131°58'0"W 329,000 131°57'0"W 330,000 131°56'0"W 331,000 131°55'0"W 332,000 131°54'0"W 333,000 131°53'0"W 334,000 131°52'0"W 335,000 131°51'0"W 336,000 131°50'0"W 337,000 131°49'0"W 338,000 131°48'0"W 339,000
56°48'57"N 6,121,000 56°47'57"N 6,119,000 56°46'57"N 6,117,000 56°45'57"N 6,115,000 56°44'57"N 6,113,000 56°43'57"N 6,111,000

104J071

104J071