104N023

Vegetation Map
104N023

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 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:
- As 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
- Hydrofea Barriers - 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:

OE
EDL
Fd5Hw
SI 20
1992
OATB

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

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
/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 Compsition: 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	Hemlock 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 (contorta)
Pxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Sitka Pine (silver)
Pw	Western White Pine
Pyb	Bristle Cone Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Interior 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	BALSAM, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ad	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ep	Alaska x Paper Birch hybrid
Ew	Water Birch
Ey	Yellow Birch
Ea	Alaska Paper Birch
Ec	Common Paper Birch hybrid
Ep	Paper Birch (white)
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vm	Pin Cherry
G	BROADLEAVED
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bardyl's)
Wr	Red Willow (Hooker's willow)
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)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	APPLE Apple
Ad	ASPEN, COTTONWOOD or POPLAR Northern Cottonwood
Ew	BIRCH European Birch
Ex	Silver Birch (swamp)
Ey	**Yellow Birch
Vs	CHERRY *Sweet Cherry
Yp	CYPRESS *Port Orford Cedar
Bb	FIR (Balsam) *Balsam Fir
Bp	*Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
Lk	LARCH *Dahurian Larch
Ld	*Siberian Larch
Mr	MAPLE Red Maple
Ms	*Sycamore Maple
Qw	OAK *English Oak
Qw	*White Oak
Oa	OTHER EXOTICS *Garry Oak
Ob	*Giant Sequoia
Oc	*Coast Redwood
Od	European Mountain Ash
Ok	Siberian Elm (southern)
Of	Common Pear
Oh	*Black Walnut
Oh	*White Ash
Oi	*Shagbuck Hickory
Oj	Tree-of-heaven
Ok	Japanese Walnut
Pc	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	70 - 85
9	86 - 100

4d SITE INDEX

SI @ 50 is shown as the mean at maximum referenced at 50 years breast height age. It 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 where available. 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
- st 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)

aa	ARROYO	gr	GRAVEL PIT
be	BEACH	la	LAKE
bl	BLOCKFIELD	lb	LAVA BED
br	BEDROCK	li	LANDING
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS
cb	CUTBANK	mi	OPEN PIT MINE
es	EXPOSED SOILS	mm	MORAINE
gl	GLACIER	mu	MUDFLAT SEDIMENT
ro	RUBBLY MINE SPOILS		
oc	OCEAN		
ot	OTHER		
sn	SNOW COVER		
ta	TALUS		
ri	RIVER / STREAM		

rm RESERVOIR MARGIN
rm RAILWAY SURFACE
rs RIVER SEDIMENTS
rz ROAD SURFACE
ta TALUS
ts TAILINGS
ur URBAN

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

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH
BE	BEACH	NPBS	NON-PRODUCTIVE SHRUB
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
R	ROCK/RUBBLE	S	SOCK
MUD	MUDFLAT	SM	SWAMP

SAND SAND
TIDE TIDAL FLAT
U URBAN

NC NON COMMERCIAL
NCBR NON COMECIAL BRUSH
NP NON PRODUCTIVE
NPBS NOT SUFFICIENTLY RESTOCKED
NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

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

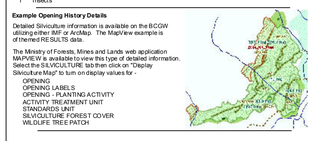
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

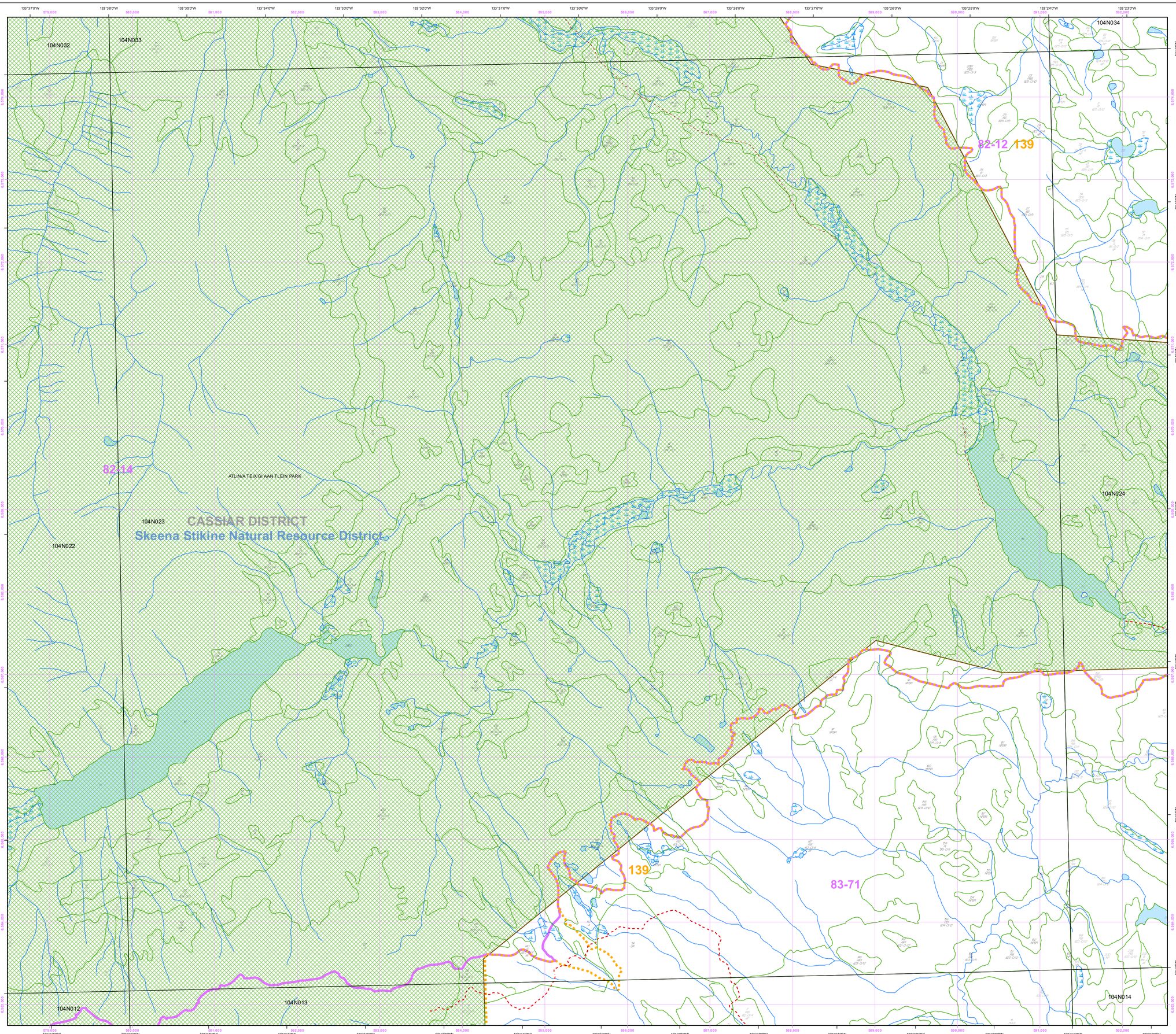
Example Opening History Details

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





Overflow Labels

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