104I011

Vegetation Map
104I011

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
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Reservoirs - 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 (< 1:600,000 ha - 15 % hatch)
- Municipal boundary (> 1:600,000 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 (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

'OP' - opening number valid for BCGS mapsheet 'OOP' - opening number has 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 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
Hmw	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	Limber Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Plg	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pk	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxe	Spruce Hybrid
Sxw	Sitka 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
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abh	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
E	BIRCH, ALDER
Ep	Alaska Paper Birch
Ew	Paper Birch (white)
Ey	Yellow Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vm	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wy	Peach-leaf Willow (Barclay's)
Wtl	Park Willow (plan tree-lit)
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

U	APPLE
Ua	Apple
A	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
E	BIRCH
Ea	*European Birch
Ek	Silver Birch (swamp)
Ey	*Yellow Birch
V	CHERRY
Vs	*Sweet Cherry
Y	CYPRESS
Yo	*Port Orford Cedar
F	FIR (Balsam)
Fb	*Balsam Fir
Fg	Noble Fir
Fm	*Shasta Red Fir
Fn	*Grand Fir
L	LARCH
Ld	*Dahurian Larch
Ls	*Siberian Larch
M	MAPLE
Me	*Norway Maple
Ms	*Sycamore Maple
O	OAK
Oe	*English Oak
Or	*White Oak
X	OTHER EXOTICS
Ob	*Black Walnut
Os	*Giant Sequoia
Oc	*Coast Redwood
Od	European Mountain Ash
Oe	Siberian Elm (southern)
Oh	*Horse Chestnut
Og	Oregon Ash
Ow	*White Ash
Ox	*Shagbarck Hickory
Ot	Tree-of-heaven
Ow	Japanese Walnut
P	PINE
Pm	*Monterey Pine
Pn	*Red Pine
Py	*Sugar Pine
S	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	141-250
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 entered to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the Dominant and Co-dominant (D) canopy as obtained from age and height, whichever is the lower, 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 'dash' which always precedes the SI estimated value. The codes 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
- s SHRUB TALL - shrub with average shrub height> or = to two metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB
- h HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 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
- e Exposed Land
- ro Rock / Rubble
- s Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

- ap AIRPORT
- be BEACH
- bl BLOCKFIELD
- bu BURNED
- bu BURNED AREA
- cb CUTBANK
- es EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- lk LAKEBED
- mu MUD FLAT
- ls POND or LAKE SEDIMENTS
- mi OPEN PIT MINE
- mo MORAINE
- mu MUDFLAT SEDIMENT
- mz RUBBLY MINE SPOILS
- oc OCEAN
- rc ROCK
- sn SNOW COVER
- re RESERVOIR
- ri RIVER / STREAM
- rm RESERVOIR MARGIN
- rm RAILWAY SURFACE
- rs RIVER SEDIMENTS
- ru URBAN SURFACE
- ta TALUS
- ti TALINGS
- ur URBAN

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

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

- A ALPINE
- AF ALPINE FOREST (Species
- C CULTIVATED
- CL CLAY BANK
- G GRAVEL BAR
- I ICEFIELD / ICE
- ICE ICEFIELD
- M MEADOW
- MUD MUDFLAT
- NP NON PRODUCTIVE
- NPBR NON-PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST (Species
- NTA NO TYPING AVAILABLE
- P PERMANENT SNOW
- PT HAYFIELD
- R ROCK
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON CO MMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON-PRODUCTIVE
- NSR 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.

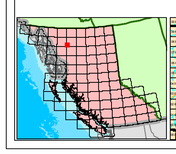
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mite Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

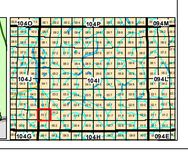
Example Opening History Details

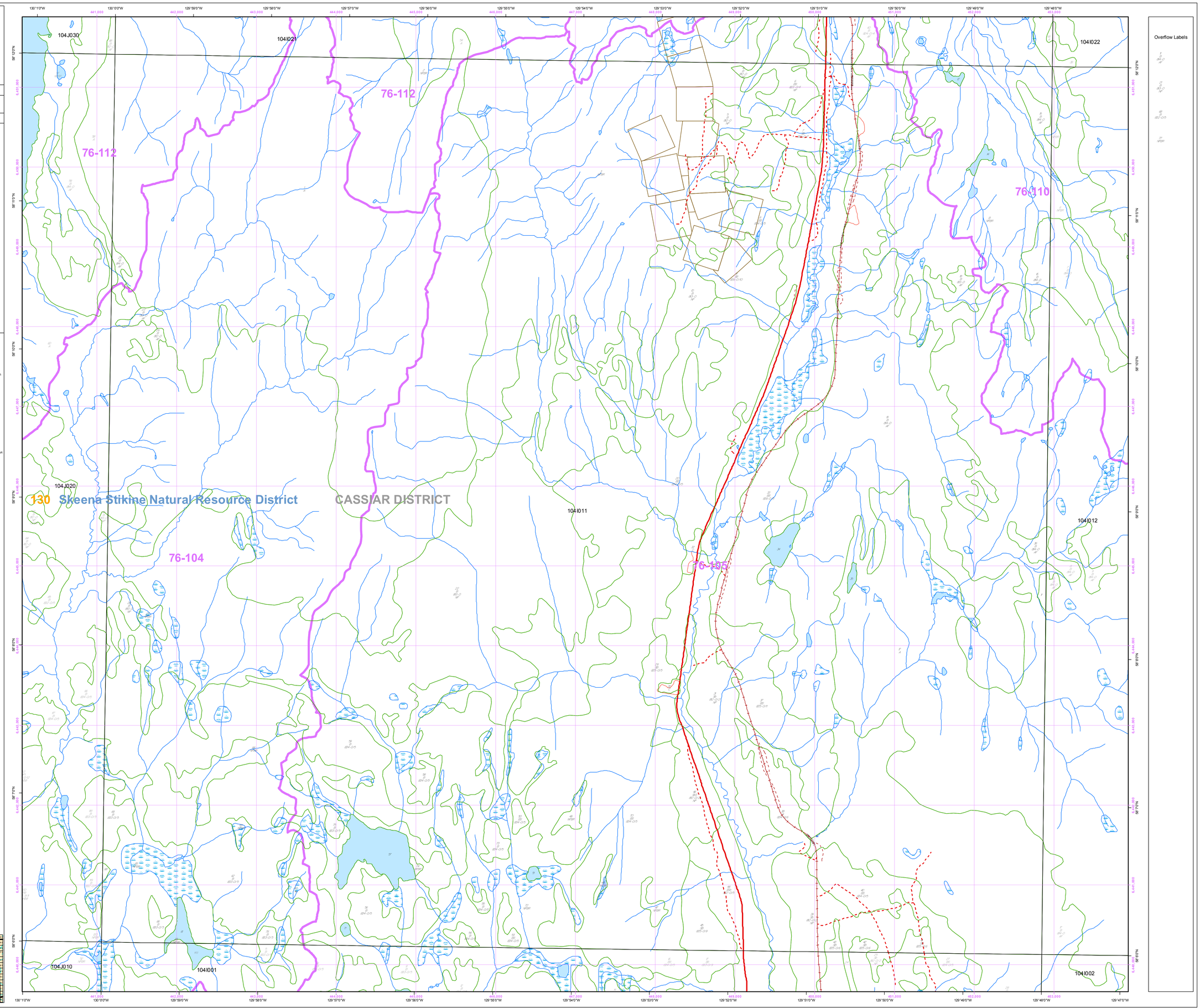
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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









Overflow Labels

104I011