093L072

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 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 (CFS)
- Research Installations

TRIM Base Features:
- As 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
- Hydr/Nav/Barriers - 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:

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 (Dougla 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

- opening number valid for BCGS mapsheet
- 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 4.6 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	FIR (Balsam)
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
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	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pxj	Hybrid White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Engelmann x White
Sxl	White x Lutz
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	Trembling Aspen
Act	Black Cottonwood
Ax	hybrid Poplars
Ac	Balsam Poplar
E	ARBUTUS
Ea	Arbutus
Ep	PEAR
Epp	Alaska x Paper Birch hybrid
Epg	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
K	CascaraK
V	CHERRY
Vm	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
Wb	Bebb's Willow
Wp	Pacific Willow
Wx	Peachleaf Willow (Barrday's)
Ww	Pussy Willow (gray-leaved)
Wy	Scouler's Willow
Wi	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

U	APPLE
Ua	*Siberian Crab
A	ASPEN, COTTONWOOD or POPLAR
At	*Southern Cottonwood
E	BIRCH
Ea	European Birch
Ek	*Asian Birch (swamp)
Ey	*Yellow Birch
V	CHERRY
Vs	*Mazzard Cherry
Y	CYPRESS
Yo	*Port Orford Cedar
F	FIR (Balsam)
Fb	*Balsam Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L	LARCH
Ld	*Dahurian Larch
Lk	*Siberian Larch
M	MAPLE
Mo	*Norway Maple
Mh	*Sycamore Maple
OAK	
Qe	*English Oak
Qm	*White Oak
OTHER EXOTICS	
Ot	*Incense Cedar
Oc	*Giant Sequoia
Od	*Coast Redwood
Od	European Mountain Ash
Oa	*Mountain Ash (southern)
Of	Common Pear
Og	Oregon Ash
Ow	*White Ash
Oi	*Shagbark Hickory
Ob	*Black Walnut
Oj	Japanese Walnut
PINE	
Pm	*Monterey Pine
Pn	*Red Pine
Ps	*Sugar Pine
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)
1	0 - 5
T	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 dominant and co-dominant trees. If the relationship between age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aremt present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the SI. Estimated SI is derived from the Site Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I record4)

NON-TREED SHRUB
- sl 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 - herb with no distinction between forbs and graminoids.
- H HERB - FORBS - herb with forbs > 50% of the herb cover.
- G 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 > 53% of the bryoid cover.

NON VEGETATED
- at Exposed Land
- ar Rock / Rubble
- w Snow / Ice

NON-VEGETATED CATEGORIES (for V and I record4)
- ap AIRPORT
- b BEACH
- bl BLOCKFIELD
- br BEDROCK
- bu BURNED AREA
- cb CUTBANK
- d DISTURBED SOILS
- gl GLACIER
- gp GRAVEL PIT
- l LAKE
- la LAVA BED
- ll LANDING
- lk POND or LAKE SEDIMENTS
- mi OPEN PIT MINE
- mo MORAINE
- mu MUCKFLAT SEDIMENT
- mt MINE WASTE SPOILS
- oc OCEAN
- ot OTHER
- pn SNOW COVER
- re RESERVOIR
- rs RIVER SEDIMENT
- rm RESERVOIR MARGIN
- rr RIVER BEDSEMENTS
- ro ROAD SURFACE
- ta TALUS
- tl TAILINGS
- ur URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F record4)

Note: Water categories (lk, oc, re, rs, rr) not labelled over 50 percent coverage.

- A ALPINE
- AF ALPINE FOREST /Species
- C CULTIVATED
- CL CLAY BANK
- D DUNE / SAND
- GR GRAVEL PIT
- ICE ICEFIELD
- M MEADOW
- MUD MUDFLAT
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST /Species
- NPN NON PRODUCTIVE
- OR OPEN RANGE
- P HAYFIELD
- R ROCK
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON COMMERCIAL
- 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.

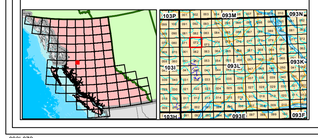
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mite Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

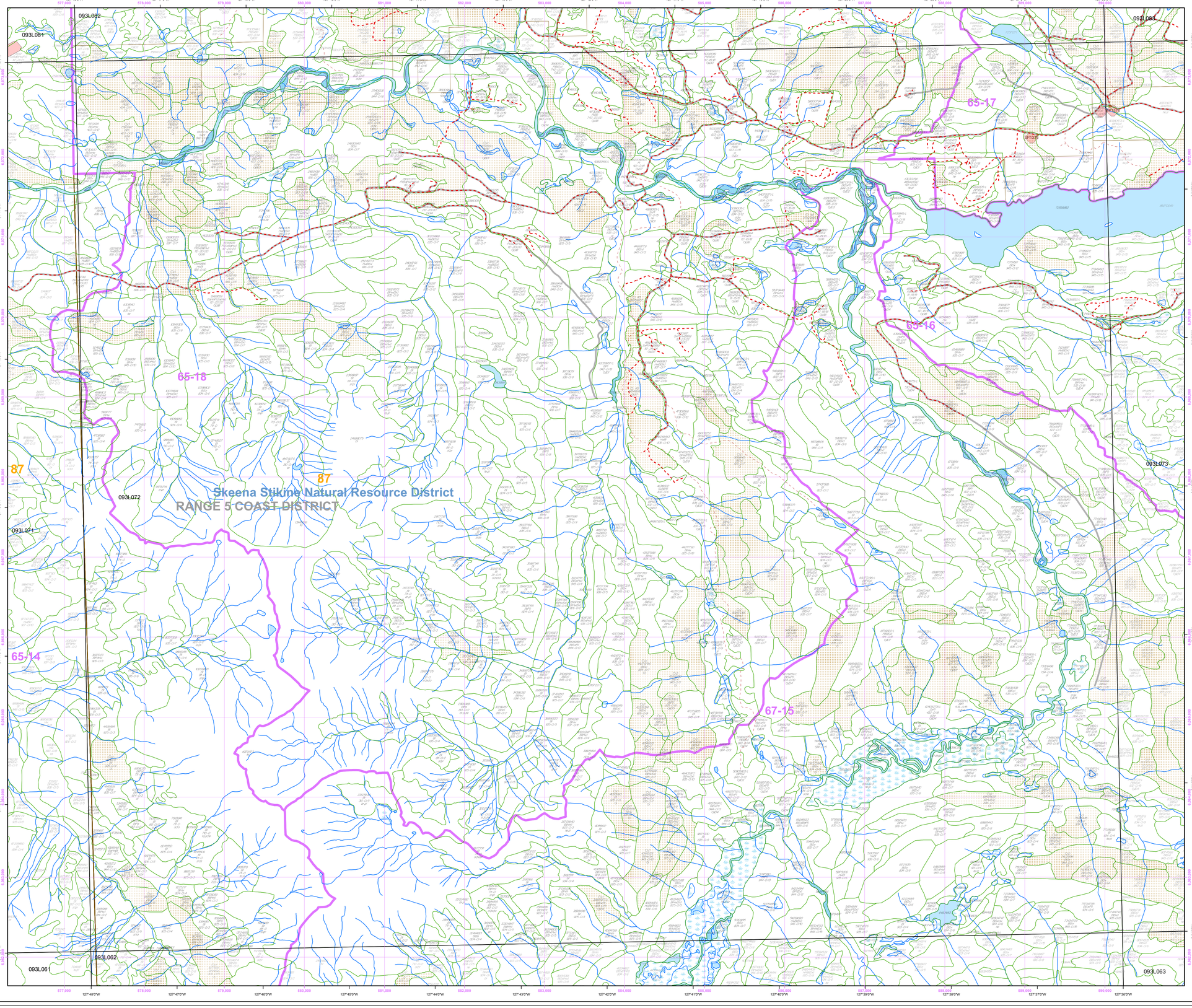
Example Opening History Details

Detailed Silviculture information is available on the BCGW as three spatial files and as MapView. The MapView example is of thinned RESULTS data.

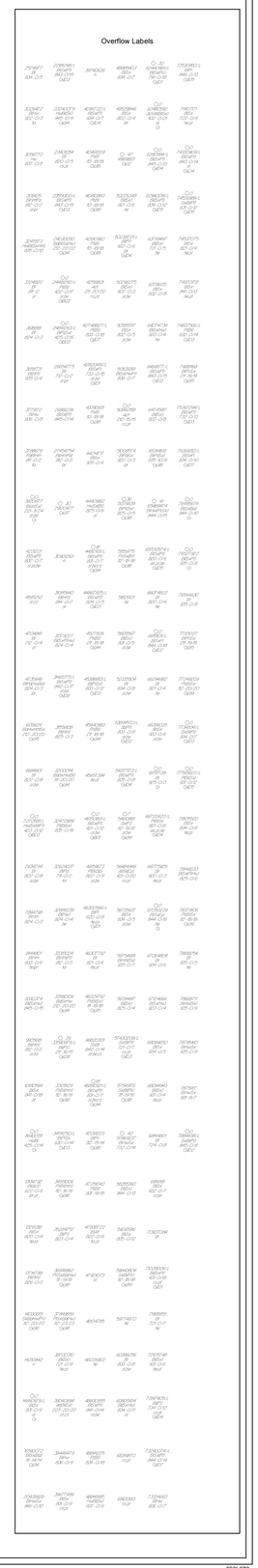
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silvicuture Map" to turn on display values for -

OPENING
OPENING LABELS
SILVICULTURE PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels



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