BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092I088

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 / Tertiary

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 (0310)
- Research Installations

TRIM. Base Features:
- 4x4 Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/Barriers - ERM
- Watercourses - ERM
- Waterbodies - ERM
- Wetlands - ERM
- Ocean - ERM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BEC Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tertiary
- 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 Structure symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
4 Age, Height, Crown Closure (Lead Layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
5 Vegetated Density Class (or Non-Forest/Productive Description)
6 Disturbance History & year - ex: Logged in 1978

ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
ex: Polygon with no distinction between forbs and graminoids, shrubs less than 2m.

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 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 4.0 dated January 2009.

NATIVE CONFERS

CODE	LIMITS
Cw	Western Red Cedar
Y	CYPRESS
Yc	Cypress
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bl	Subalpine Fir
Bg	Grand Fir
Bp	Pacific Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain or Western Hemlock hybrid
Hml	Mountain Hemlock
J	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
Lt	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plc	Lodgepole Pine (hybrid)
Pli	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Pli	Lodgepole Pine (hybrid)
Pp	Ponderosa Pine (yellow)
Ppi	Shore Pine (coast)
Ppi	Lodgepole Pine (coast)
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxl	Hybrid Spruce
Sxs	Sitka/White Spruce
Sxt	Sitka x White
Sxg	Sitka x unknown hybrid
Ss	Spruce
Tw	Western Yew

NATIVE HARDWOODS

CODE	LIMITS
Ac	Black Cottonwood
U	APPLE
Ad	Oregon Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ap	Trembling Aspen
Act	Black Cottonwood
Ax	Hybrid Poplars
Ae	Balsam Poplar
A	ARBUTUS
Ar	Arbutus
E	ALDER
Ea	Alaska x Paper Birch
Eap	Alaska x Paper Birch hybrid
Ev	Alder (Green)
Ew	Alder Birch
Ea	Alder (Red)
C	Cascara
Ch	Chinquapin
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vs	SOUGHOUS
Sp	Pacific Dogwood (western flowering)
Dr	DOGWOOD
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Ma	MAPLE
Gs	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bebb's)
Wet	Willow (Scouler's/Hooker's)
Wes	Scouler's Willow
Wl	Sitka Willow (lea-leaved)

UNKNOWN / OTHER

CODE	LIMITS
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

CODE	LIMITS
Ba	BALSAM
Ba	ASPEN, COTTONWOOD or POPLAR
Bpy	Balsam Poplar (Balsam)
Bbm	European Birch
Bp	Paper Birch (Canadian)
Bn	Yellow Birch
Ce	CHERRY
Cet	Bird Cherry
Y	CYPRESS
Yt	Port Orford Cedar
Ys	Sitka Cypress
Bb	Balsam Fir
Bg	Noble Fir
Bn	Nikko Fir
Bn	Nikko Fir
Lt	Tamarack
Lt	Tamarack Larch
Lt	Alpine Larch
MAPLE	
Mb	Box Elder
Mp	Norway Maple
Mt	Tartarian Maple
OAK	
Oc	English Oak
Oe	White Oak
OTHER EXOTICS	
Ob	Horse Chestnut
Ot	Giant Sequoia
Ot	Coast Redwood
Ot	Mountain Ash
Ot	Siberian Elm (southern)
Ot	Common Pear
Ot	Black Walnut
Ot	White Ash
Ot	Straplaeca Hickory
Ot	Hybrid Poplar
Ot	Japanese Walnut
PINE	
Pn	Austrian Pine
Pn	Red Pine
Pb	Scots Pine
Pn	Pine
Sn	Norway Spruce

Line 4

4a: AGE CLASS

CODE	LIMITS (years)
1	0-20
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 - 18.4
3	18.5 - 28.4
4	28.5 - 37.4
5	37.5 - 48.4
6	48.5 - 58.4
7	58.5 - 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. Douglas fir SI is based on site curves by Bruce, Flewelling, and 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 exend present, e.g. regeneration, young stands, or no trees are present. Estimated precedes if. 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 record)

NON-TREED SHRUB
- sb - SHRUB - shrub with average shrub height > or = to two metres.
- sl - SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- hg - HERB - GRAMINOIDS - herb with no distinction between forbs and graminoids.
- hf - 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 - BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm - BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- bl - BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- ep - Exposed Land
- rs - Rock / Rubble
- si - Snow / Ice

NON-VEGETATED CATEGORIES (for V and I record)

- ss - SEACOAST
- sw - SEAWEED
- sf - SHALLOW
- ic - ICE
- ib - BLOCKFIELD
- ir - RIVERS
- bu - BURNED AREA
- cl - CUTBANK
- ms - MISCELLANEOUS
- gl - GLACIER
- mu - MUDFLAT SEDIMENT
- mp - RUBBLE MINE SPOILS
- oc - OCEAN
- ow - WATER
- sn - SNOW COVER
- rr - RESERVOIR
- ri - RIVER SEDIMENTS
- rs - RIVER SURFACE
- ts - TALUS
- tailings - TAILINGS
- urban - URBAN

Note: Water categories (ic, ss, ib, ir) not shaded over an present coverage.

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

- AL - ALPINE
- AF - ALPINE FOREST /Species
- CL - CLIFF
- CB - CLAY BANK
- GB - GRAVEL BAR
- ED - EXPOSED LAND
- ICE - ICEFIELD
- M - MEADOW
- MUD - MUDFLAT
- NP - NON-PRODUCTIVE
- NPBR - NON PRODUCTIVE BRUSH
- NPFS - NON PRODUCTIVE FOREST
- NPF - NON PRODUCTIVE FOREST /Species
- NOL - NO TYPING AVAILABLE
- OW - OPEN WATER
- P - WETFIELD
- R - ROCK
- SAND - SAND
- SAND - SAND
- TIDE - TIDAL FLAT
- U - URBAN
- NC - NON COMMERCIAL
- NF - NON FORESTED/BRUSH
- NP - NON PRODUCTIVE
- NSR - NOT SUFFICIENTLY RESTOCKED
- NOL - 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.

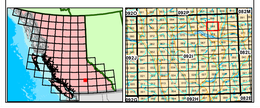
- A Animal Damage
- B Blowdown
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mite Damage
- N Abiotic Physical Injuries
- O Other Abiotic Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Unknown Injuries
- V Problem Vegetation

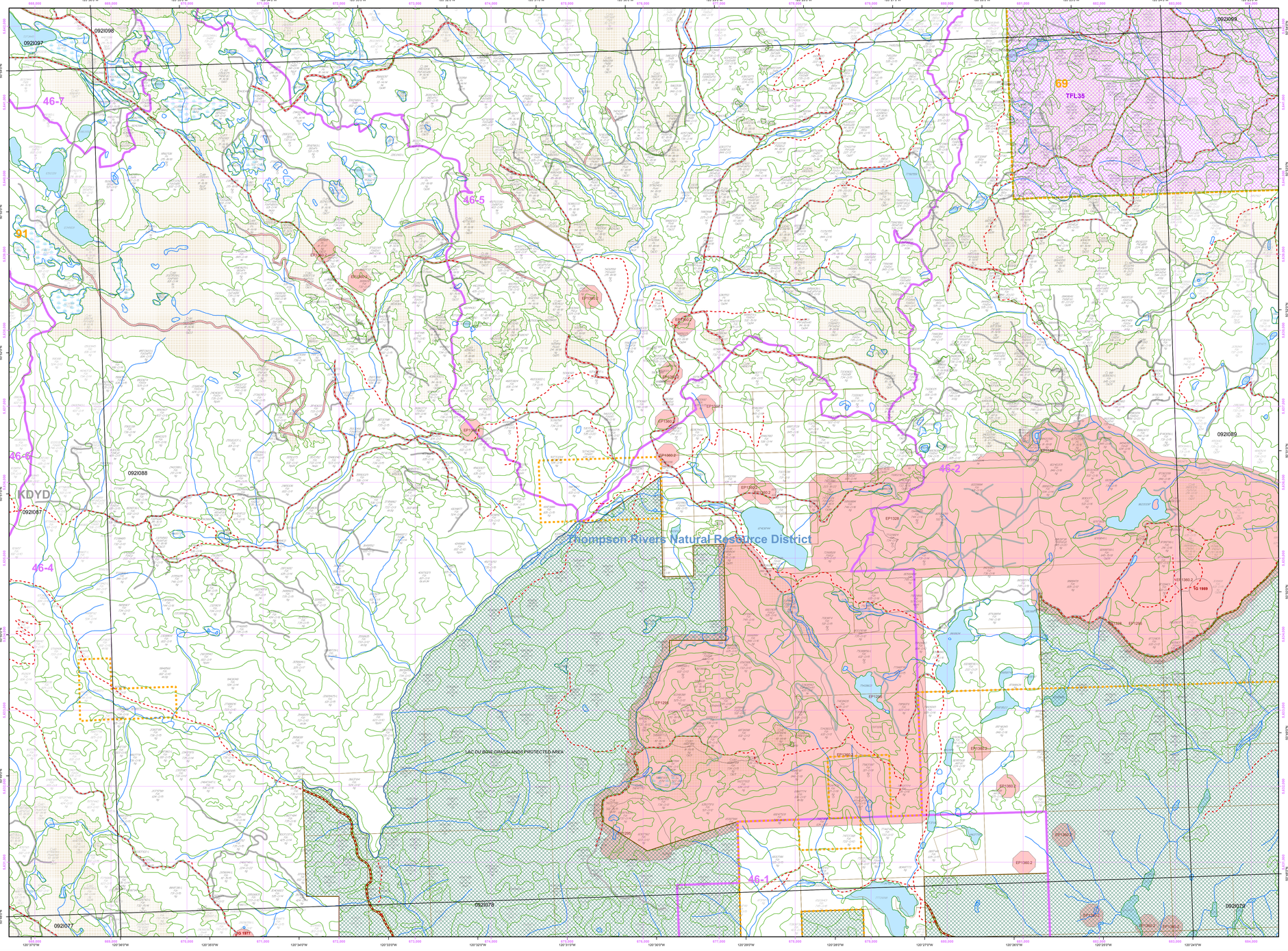
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either AIP or ArcMap. The MapView example is shown below using ArcMap.

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
SILVICULTURE TREATMENT ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

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