Vegetation Map
094H008

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 contained in this map is compiled from TRIM data. Some 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 (SYS)
- Research Installations

TRIM, Base Features:
- Ski Built Features
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airframes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric Reservoirs - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 (Douglis Fir) and Hw (Western Hemlock)
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: 4 - 61-80 yrs, 5 - 19.5-28.4 m, 3 - 51-70 %, site index = 15 m/50 yrs, 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

OGH - opening number valid for BCGS mapsheet
ZOPN - 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 Codes List" version 4.0 dated January 2009.

NATIVE CONIFERS
- Cw Western Red Cedar
- Y CYPRESS
- Hm MOUNTAIN HEMLOCK
- F DOUGLAS FIR
- Fd Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- B FIR (Balsam)
- Bg Grand Fir
- Bl Grand Fir x alpinus
- Bl Subalpine Fir
- Hw Western Hemlock
- Hw Western Hemlock
- Hwh Mountain x Western Hemlock hybrid
- J JUNIPER
- Jr Rocky Mtn. Juniper
- Js Sawtooth Juniper
- La LARCH
- Lw Alpine Larch
- Lt Tamarack
- Lwa Western Larch
- PW PINE
- Pj Jack Pine
- Pl Lodgepole Pine
- Pli Lodgepole Pine
- Plc Lodgepole Pine (interior)
- Pla Lodgepole Pine (Yukon Boreal)
- Py Ponderosa Pine (yellow)
- Pa Whitebark Pine
- Pw Western White Pine
- Pf Limber Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Sx Sitka Spruce
- Sw White Spruce
- Sxw Spruce hybrid
- Sxl Engelmann x White
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- Yew YEW
- Yw Western Yew

NATIVE HARDWOODS
- D Deciduous
- Dr Red Alder
- U APPLE
- Ua Pacific Crab Apple
- A ASPEN, COTTONWOOD or POPLAR
- At Trembling Aspen
- Ac Black Cottonwood
- Ax Hybrid Poplars
- Ap Balsam Poplar
- Ab BIRCH
- Ba Alnobet
- Bp Birch
- Ew Alaska Paper Birch
- Ep Kenai x Paper Birch hybrid
- Ep Paper Birch (white)
- Bb Water Birch
- Bg Water Birch
- Kc Cascara
- Dg Dogwood
- Lb Bitter Cherry
- Hi Choke Cherry
- Ep Pacific Crab Apple
- Dd DOGWOOD
- Dp Pacific Dogwood (western flowering)
- Mv Mountain Maple
- Mb Vine Maple
- Or Oregon Ash
- Ep Garry Oak
- W WILLOW
- Wp Pacific Willow
- Ww Pacific Willow
- Wr Red Willow (Bonby's)
- Wy Pussy Willow (gray-leaved)
- Wb Bebb's Willow
- Wi Willow (Hooker's leaved)

UNKNOWN - OTHER
- X UNKNOWN
- Xc unknown conifer
- Xd unknown deciduous
- Xl OTHER (tree not on list)
- Xh other conifer
- Xh other hardwood

EXOTICS
- Ai AILANTHUS
- Ag Grey Alder
- ASPEN, COTTONWOOD or POPLAR
- Ab Balsam Cottonwood
- BIRCH
- Eb European Birch
- Pb Paper Birch (exotic)
- Wb Yellow Birch
- CHERRY
- Cm Mazzard Cherry
- CYPRESS
- Yp Port Orford Cedar
- Ys Sitka Spruce
- Sp Spruce Fir
- Bh Shasta Red Fir
- Bm Noble Fir
- Bv Veitchii Fir
- Lk Dahurian Larch
- Lj Japanese Larch
- MAPLE
- Mr Box Elder
- Mn Norway Maple
- Mp Sycamore Maple
- OAK
- Oe English Oak
- Or Kindle Oak
- OTHER EXOTICS
- Ot Tree of Heaven
- Ob Giant Chinquapin
- Oc Cutleaf Redwood
- Oa Common Horsechestnut
- Ow Siberian Elm (elsebery)
- Ol Golden Larch
- Oo Oregon Ash
- Ow Wych Elm
- Ot Tree of Heaven
- Tree-of-heaven
- Japanese Walnut
- PINE
- Pn Nonderay Pine
- Pp Ponderosa Pine
- Pu Mugo 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	1 - 4.4
2	4.5 - 9.4
3	9.5 - 19.4
4	19.5 - 28.4
5	28.5 - 37.4
6	37.5 - 48.4
7	48.5 - 64.4
8	64.5 - 80.4
9	80.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	6 - 10
2	11 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	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 (usually the oldest trees) in the age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated (usually SI trees aren't present, e.g. young stands (<30yrs)). It is denoted by a slash which always precedes the estimated SI and is followed by the 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 - shrub with average shrub height > or = to two metres.
- d SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he HERB - 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
- b BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwots, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- rl Exposed Land
- rc Rock / Rubble
- sr Snow / Ice

NON VEGETATED CATEGORIES: (for N and I records)
- aa AIRPORT
- bl BUILDING
- br BUCKERFIELD
- bc BIOENGR
- cl CLEARING AREA
- cb CUTBANK
- dy DYKE/DITCH
- gl GLACIER
- gp GRAVEL PIT
- ir IRRIGATION
- l LAKE BED
- la LANDING
- ma MAN MADE SEDIMENTS
- mi MINE
- mz MISCELLANEOUS
- mf MUDFLAT SEDIMENT
- mp MUSKEG PEAT SPOILS
- ro OCEAN
- op OPEN PIT MINE
- pa PARKING AREA
- Note: Water categories (lk, ss, rr, o) not labelled over 50 percent coverage.
- rm RESERVOIR MARGIN
- rr RIVER SEDIMENTS
- rs ROAD SURFACE
- ss SALT
- tl TAILINGS
- u UNKNOWN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)
- A ALPINE
- NP NON PRODUCTIVE
- SAND SAND
- AF NON-FOREST SHRUB
- NPBR NON PRODUCTIVE BRUSH
- SI SILT
- CL NON-FOREST FORBS
- NPBU NON PRODUCTIVE BURN
- URBAN URBAN
- CL CLAY BANK
- NPF NON PRODUCTIVE FOREST Species
- CLAY CLAY
- NPL NON PRODUCTIVE LAKE
- NC NON COMMERCIAL
- GRAVEL GRAVEL PIT
- OPEN RANGE
- NCBR NON COMMERCIAL BRUSH
- ICE ICEFIELD
- P HAYFIELD
- NP NON PRODUCTIVE
- MUD MUDFLAT
- R ROCK
- NSR NOT SATISFACTORILY RESTOCKED
- MUD MUDFLAT
- snowpit
- NTA NOT TYPING AVAILABLE

Line 6 : Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
Where the disturbance type designates category, refer to official code list for sub-category descriptions.

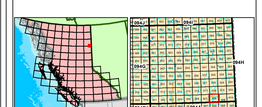
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases Insects
- L Logging
- M Mechanical Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- S Silviculture Treatment
- U Damage Unknown
- V Problem Vegetation

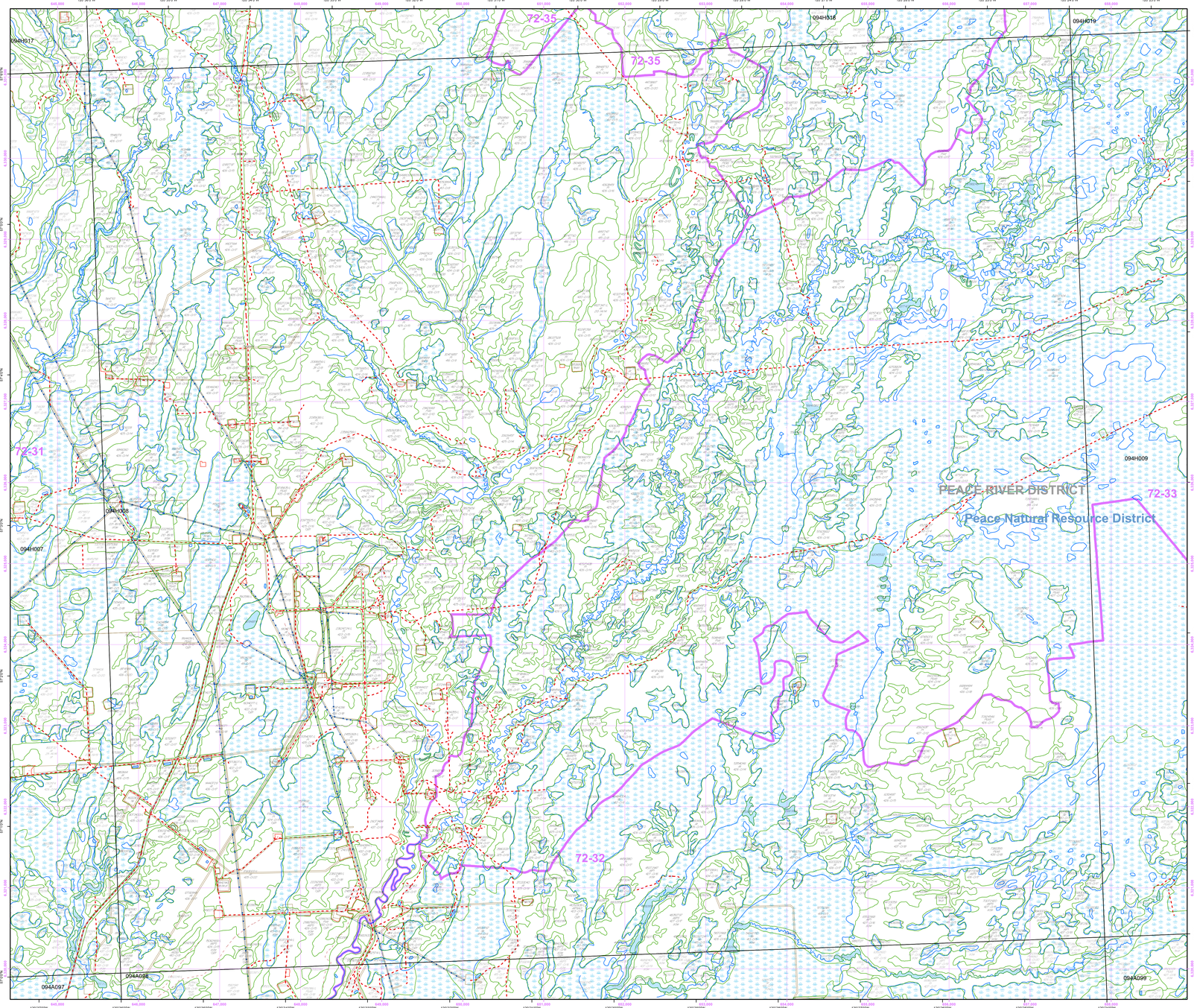
Example Opening History Details

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 Data". To turn on display value for :

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





Overflow Labels