082M038

Vegetation Map
082M038

Scale 1:20,000

0 0.25 0.5 0.75 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / Ownership
Base Map Source: TRIM / Terrain

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 displayed on this map is not to be used for navigation. 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:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railroads
- Air Fairies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodfeatures - 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 - Terrains
- Municipal boundary (1:1,000,000 ha) - no hatch)
- Municipal boundary (1:1,000,000 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
4 Age class, Site Index (if layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
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 1976

Line 1 - History Record Opening Number

9999 - opening number used for BCGS mapsheet 0000 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

1 to 9999 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
- Yc YellowCedar
- F DOUGLAS FIR
- Fd Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- B FIR (Balsam)
- Bg Grand Fir
- Bgc Grand Fir
- Bl Subalpine Fir (Alpine)
- H HEMLOCK
- Hm Mountain Hemlock
- Hw Western Hemlock
- Hwk Mountain x Western Hemlock hybrid
- J JUNIPER
- Jr Rocky Mtn. Juniper
- Js Scopulan Juniper
- L LARCH
- La Alpine Larch
- Lt Tamarack
- Lw Western Larch
- P PINE
- Pl Jack Pine
- Pf Limber Pine
- Pli Lodgepole Pine (interior)
- Plg Lodgepole x Jack Pine hybrid
- Plc Lodgepole (Coastal)
- Pw White Pine (cascade)
- Pw Western White Pine
- Py Ponderosa Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Sx Hybrid Spruce
- Sw White Spruce
- Sxw Hybrid White
- Sxl Engelmann x White
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- Ss Sitka Spruce
- Yw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- U APPLE
- At Pacific Crab Apple
- A ASPEN, COTTONWOOD or POPLAR
- Ac Poplar
- Act Black Cottonwood
- Ae Black Cottonwood
- Ah Hybrid Poplars
- At Trembling Aspen
- E BIRCH
- Ep Alaska Paper Birch
- Ew Water Birch (white)
- Ep Paper Birch (white)
- Ew Water Birch
- Ey Yellow Birch
- Ke Cascara
- V CHERRY
- Vb Black Cherry
- Vc Choke Cherry
- Vp Pin Cherry
- Vu Bitter Cherry
- Vy Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Mv Vine Maple
- Q OAK
- Qg Garry Oak
- W WILLOW
- Wb Babb's Willow
- Wp Pacific Willow
- Wr Feltleaf Willow (Barclay's)
- Ww Pussy Willow (gray-leaved)
- Wy Sitka Willow
- Ws Sitka Willow (low-leaved)

UNKNOWN - OTHER
- X UNKNOWN
- Xc unknown conifer
- Xh unknown hardwood
- Y OTHER (tree species not listed)
- Yc other conifer
- Yh other hardwood

EXOTICS
- AP APPLE
- At Apple
- Ax ASPEN, COTTONWOOD or POPLAR
- Act Black Cottonwood
- Be BIRCH
- Ep European Birch
- Ew Water Birch (exotic)
- Ey Yellow Birch
- Bw CHERRY
- Bm Bitter Cherry
- Vi CYPRESS
- Yp Pond Cultured Cedar
- Fb FIR (Balsam)
- Bb Balsam Fir
- Bn Noble Fir
- Bm Shasta Red Fir
- Bb White Fir
- Bp Fir
- Ch Chahuhin Larch
- Lk Siberian Larch
- Lt Larch
- Me Elm Elder
- Mk Norway Maple
- Mr Red Leaf Maple
- OM
- Oe English Oak
- Or Red Oak
- OTHER EXOTICS
- Ow Incense Cedar
- Ow Western Redcedar
- Oc Coast Redwood
- Ow European Mountain Ash
- Ow Japanese Cedar
- Of Common Fear
- Og Dragon Ash
- Oa Alder
- Oh Hinghanb Hickory
- Oj Tree of Heaven
- Oh Japanese Walnut
- Om
- Pm Monterey Pine
- Pr Red Pine
- Ps Sugar Pine
- Sn Norway Spruce

Line 4

4a. AGE CLASS

CODE	YEARS (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	HEIGHT (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	CLOSURE (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 breast height age. SI is based on the age and height of the dominant trees. Site index is estimated when the combination of age and height is estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren't present, e.g. young stands or brush). It is denoted by a slash which always follows the SI value (e.g. 20/ or 20/4). The slash is the Photointerp type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (1st V and 1 (or) 0)

NON-TREED SHRUB
- w 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.
- 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 BRYOIDS - bryoid with no distinction between moisture and richness by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwrts, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- v Exposed Land
- m Rock / Rubble
- w Snow / Ice

NON-VEGETATED CATEGORIES (0nV and 1 (or) 0)
- fe ALKALINE
- fl CLAY FLAT
- fm MUDFLAT SEDIMENT
- fr RIVERWORK SPOILS
- fs SALINE
- fw RIVERWORK SPOILS
- m RESERVOIR MARGIN
- rm RAILWAY SURFACE
- rs RIVER SEDIMENTS
- rz ROCK SURFACE
- ta TAILINGS
- tl TAILINGS
- ur URBAN
- fb BARREN
- fc CLIFF
- fd CRATER
- fe EVAPORITE
- fg GLACIER
- fi ICEFIELD
- fk KARST
- fl LAVA BED
- fp PATTERNED
- fs POND or LAKE SEDIMENTS
- fw RIVER / STREAM
- fz SINKHOLE
- ha WORKING
- hb Water categories - no vegetation identified over 40 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (1st F / NOD)
- A ALPINE
- AF ALPINE FOREST (Species)
- B BARREN
- CL CLAY BANK
- G GRAVEL BAR
- K KRUMMHOLZ
- KO KOPJES
- M MEADOW
- MUD MUD FLAT
- NP NON-PRODUCTIVE
- NPBR NON-PRODUCTIVE BRUSH
- NPTR NON-PRODUCTIVE TREES
- NPX NON-PRODUCTIVE FOREST (Species)
- NVA NO TYP INGAVAILABLE
- OR OPEN RANGE
- R ROCK / FIELD
- R ROCK
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON COMMERCIAL
- NSR NOT SUFFICIENTLY BRUSH
- NP NON PRODUCTIVE
- NSR NOT SUFFICIENTLY RESTOCKED
- NVA NO TYPING AVAILABLE

Line 6 - Disturbance History

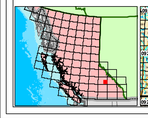
Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.
- A Animal Damage
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- N Non-Biological Injuries
- P Cone and Seeding Fungal Pathogens
- R Site Rehabilitation
- U Damage Unknown
- V Problem Vegetation

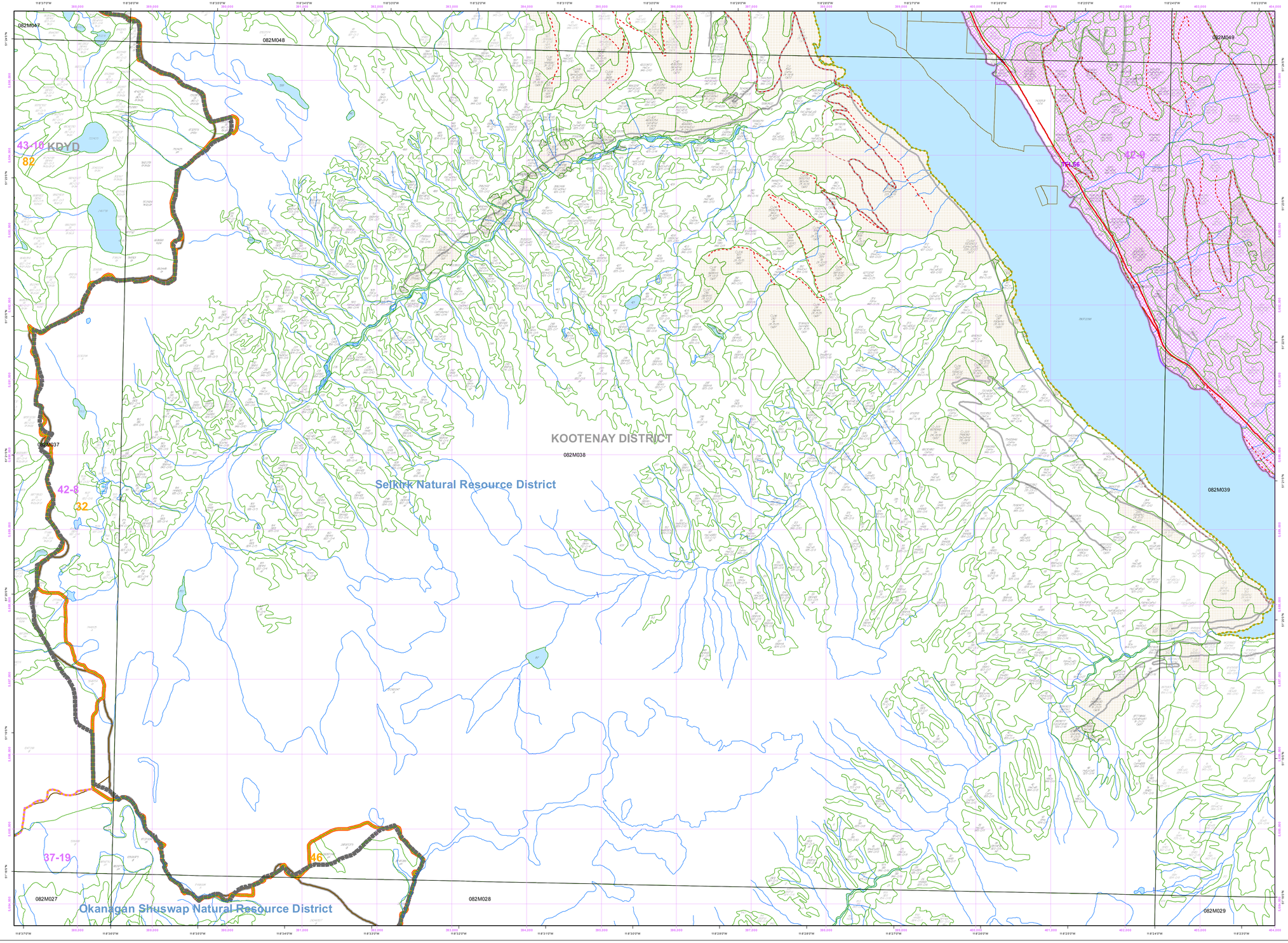
Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select 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