Vegetation Map
082M017

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 - VRMS / Ownership
Base Map Source: TRIM / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been produced to the standards of use indicated below. Ministry of Forests, Lands and Natural Resource Operations The information contained may not be complete and up to date. Contact the administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014).

Labels Projected for: January 7, 2015

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM - Base Features:
- 4x Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railroads
- Rail Ferry
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Waterbodies - ESM
- Watercourses - ESM
- Waterfalls - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FASM
- Bec Region Compartment - FASM
- Provincial Forest area - FASM
- Timber Supply Area Block - FASM
- Tree Farm Licenses - FASM
- Land Districts boundary
- Administrative boundary
- Survey Parcels - Terrasis
- Municipal boundary (1:1,000,000 Tol - 15 % hatch)
- Regional boundary (1:1,000,000 Tol - 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
a/s 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
a/ stand is age class 2 (21-40 yrs), height class 1 (0-10 dm), crown closure class 1 (6-15%), SI=2m
5 Site Series / Site Modifier / Structural Stage / Ecosystem
a/ 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
VRMS 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 listed in their order of predominance. Major first Minor in brackets.
The following codes are based on "Tree B.C. Ministry of Forests Tree Code List" version 4 & 5 dated January 2009.

NATIVE CONIFERS
- C CEDAR
- Cw Western Red Cedar
- Y Yellow Cedar
- H Hemlock
- Hw Western Hemlock
- Fd Douglas Fir
- Fdi Interior Douglas Fir
- Fdc Coastal Douglas Fir
- F Fir (Balsam)
- Bl Subalpine Fir
- Sx Spruce Fir
- Se Engelmann x White Spruce
- Sxw Interior x Western Hemlock hybrid
- J Juniper
- Hm Mountain Hemlock
- Ss Sitka Spruce
- Sxs Interior x Sitka Spruce hybrid
- Ep Pacific Silver Fir
- Ac Subalpine Fir (Alpine)
- Ba Amabilis Fir
- Bg Grand Fir
- Bb Subalpine Fir (Alpine)
- Bm Mountain Hemlock
- Hxm Interior x Western Hemlock hybrid
- Cr Rocky Mtn. Juniper
- Jr Scopulis Juniper
- Lt Tamarack
- Lw Western Larch
- Lt Tamarack
- Lx Hybrid larch
- Pl Lodgepole Pine
- Pli Lodgepole Pine (Interior)
- Plc Lodgepole Pine (Coastal)
- Plx Lodgepole x Jack Pine hybrid
- Pj Jack Pine (Banksian)
- Pa Alaska Pine (Cassiar)
- Pw Western White Pine
- Pf Limber Pine
- Wp White Pine
- Sb Black Spruce
- Sw White Spruce
- Sxl Interior Spruce
- Sxx Spruce hybrid
- Sxb Sitka x White
- Sxl Sitka x Interior
- Sxs Sitka x unknown hybrid
- Ss Sitka
- Yc Western Yew

NATIVE HARDWOODS
- H ALDER
- Dr Red Alder
- Ma Mountain Alder
- Ds Pacific Crab Apple
- Act Black Cottonwood (or POPLAR)
- Ac Poplar
- At Trembling Aspir
- Act Black Cottonwood
- Ax Hybrid Poplars
- Ep Trembling Aspen
- A ARBUTUS
- Ab Arbutus
- Ep Aspen
- Ebb Water Birch
- Ebp Paper Birch hybrid
- Ep Paper Birch (white)
- Ew Water Birch
- D DOGWOOD
- Dc Pacific Dogwood (western flowering)
- Dr Red Osier
- Ep Paper Birch (white)
- E ELM
- Q Oak
- Qg Garry Oak
- W WILLOW
- Wb Bebb's Willow
- Wp Pacific Willow
- Wf Peachleaf Willow (Bonpl's)
- Wp Pacific Willow (grey leaved)
- Wr Red Willow
- Wsp Sitka Willow (low leaved)

UNKNOWN - OTHER
- X unknown species
- Xh unknown hardwood
- Xc unknown hardwood
- Xm unknown hardwood (MJ)
- Xh other hardwood
- Xh other hardwood

EXOTICS
- AP AP10
- Ab Abele
- Act Act (COTTONWOOD or POPLAR)
- Ac Southern Cottonwood
- Ep
- Eb European Birch
- Ep European Aspen(Asp)
- Ew Weeping Birch
- EW EWEY
- Ey Common Cherry
- Ch CHING
- To Thuja Orilled Cedar
- Ch CHING
- Lk Japanese Larch
- Lj Japanese Larch
- MAPLE
- Mb Box Elder
- Mn Norway Maple
- Mr Sycamore Maple
- O
- Oa Hungrian Oak
- Or Red Oak
- Oa
- Ob Black Oak
- Ow White Oak(Q)
- Op Common Pear
- Og Dragon Ash
- Ob Black Ash
- Ot Mongholian Ashory
- Ow White Ash
- Oa Japanese Walnut
- P
- Pp Ponderosa Pine
- Pr Red Pine
- Pn Austrian Pine
- SPRUCE
- Sn Norway Spruce
- Sn

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 - 16.4
3	16.5 - 22.4
4	22.5 - 27.4
5	27.5 - 32.4
6	32.5 - 44.4
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 estimates in the inventories referenced at 50 years breast height age. Site index curves are based on stem analysis data. Where available SI curves for dominant tree species and height, 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. recently logged areas, or when SI trees are not representative of the stand. Associated fields in the site table are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetative Descriptors

VEGETATED NON-TREE CATEGORIES (for V and I on-ve):

NON-TREED herbs
- a SHRUB TALL - shrub with average shrub height > or = to two metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED herbs
- w HERB - herb with no distinction between forbs and graminoids.
- g HERB - GRAMINOID - herb with forbs 50% or less cover.
- f HERB - FORBACEOUS - herb with graminoids 50% or less cover.

NON-TREED SHRUB
- m SHRUB - shrub with no distinction between mosses and lichens by crown.
- lm SHRUB - MOSS - shrub with mosses forming a continuous > 50% of the ground cover.
- l SHRUB - LICHEN - shrub with lichens > 50% of the ground cover.

NON-VEGETATED CATEGORIES (for I and i-ve only):
- ap AIRPORT
- b BEACH
- bu BUILDING
- m BERM/DIKE
- cu CULTIVATED
- cl CUTBANK
- d DEVELOPED AREA
- dy DUGOUT
- e EXPOSED SOILS
- g GRAVEL PIT
- h HEADWALL
- l LAKE BED
- l LANDING
- ls LANDSLIDE SEDIMENTS
- o OPEN PIT MINE
- ro ROADBED
- mu MUDFLAT SEDIMENT
- ow OPEN WATER SWAMP MARSH
- ow OCEAN
- p OTHER
- r RIVER GRAVEL
- r RESERVOIR
- rm RESERVOIR MARGIN
- rb RIVER BANK
- rb RIVER SEDIMENTS
- rd ROAD SURFACE
- s SLIDE
- t TAILINGS
- u URBAN

Note: these categories (w, m, s) not labeled as NP percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTORS (for I -ve only):
- A ASPNE
- AF ALPINE FOREST (Species
- CL CLEARING
- CL CLAY BANK
- DU DUNE SAND
- GM GRAVEL PIT
- ICE ICEFIELD
- MUD MUDFLAT
- ROC ROCK OUTCROP
- NP NON-PRODUCTIVE
- NPBR NON-PRODUCTIVE BRUSH
- NPBU NON-PRODUCTIVE BURN
- NPF NON-PRODUCTIVE FOREST (Species
- OW OPEN WATER
- S SNOW
- S SNOWFIELD
- W WATER
- W WASH
- SAND SAND
- SILT SILT FLAT
- URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON-PRODUCTIVE
- NSR NOT SATISFACTORILY STOCKED
- NA NOT PRIN/CAN/LAN/ED

Line 6 - Disturbance History

Disturbance type code is 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
- B Wildfire
- C Cones and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mine Damage
- N Non-Biotic Damage
- P Cone and Seeding Fungal Pathogens
- R Site Remediation
- T Treatment Injuries
- U Undetermined Injuries
- V Problem Vegetation

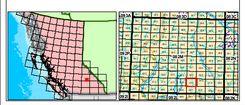
Example Opening History Details

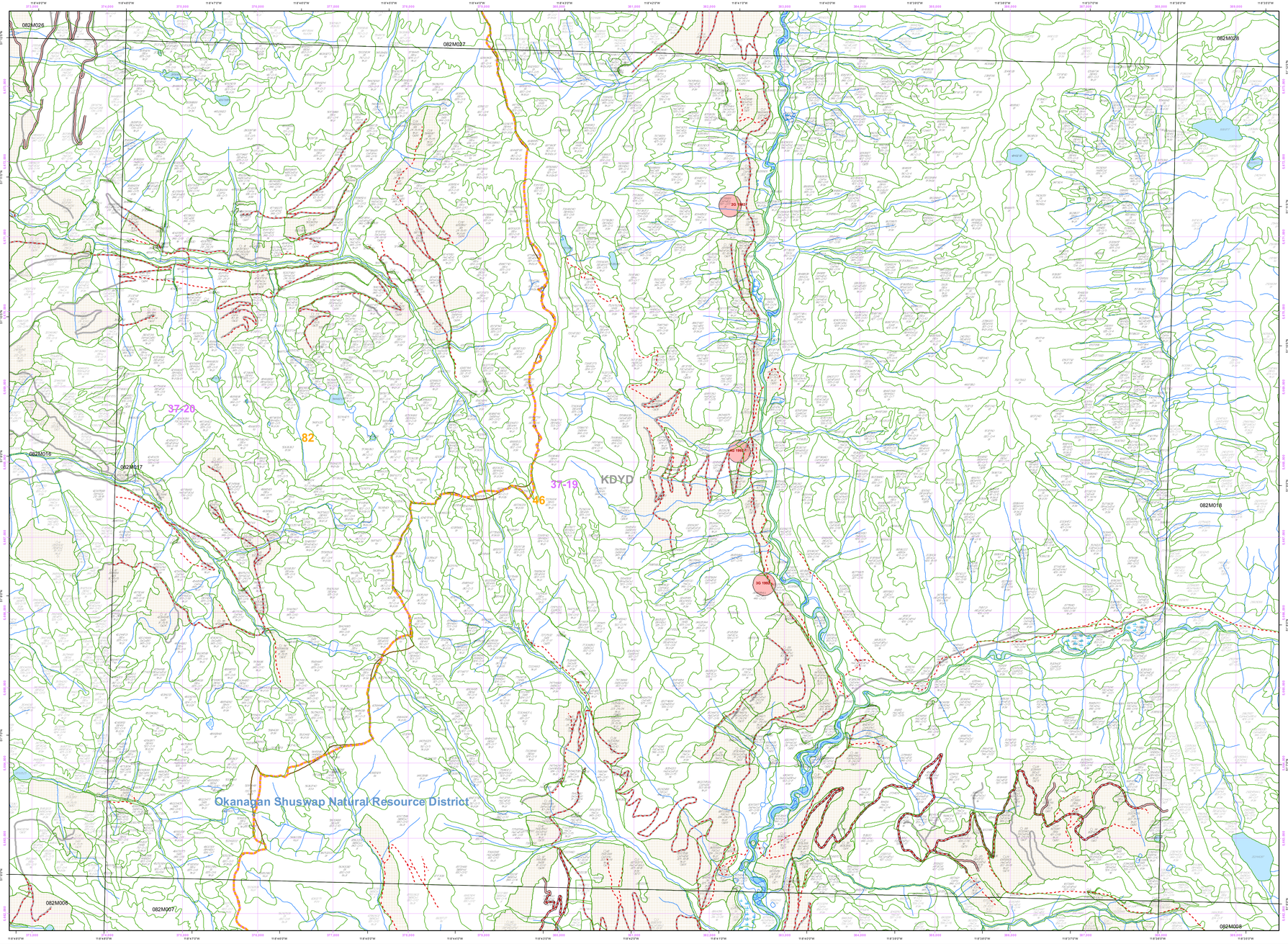
Detailed opening information is available on the BCGW utilizing either ISH or ArcMap. The ArcMap example is of the latest RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the 5 SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING ID
OPENING LABEL 5
OPENING - PLANTING ACTIVITY
OPENING - CURRENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels