092J002

Vegetation Map
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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
- Structure Opening in Vegetation
- Permanent Sample Plot (VDYP)
- Research Installations

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolike/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 Treatment 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
5. Stocking Class (1 to 4) / Regeneration Delay (0.1-10.4=0, crown closure class 1 (6-15%), SI 20m
6. Vegetated Density Class (or Non-Forest/Products or Description)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
7. Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

092- - opening number valid for BCGS mapsheet

092#- - 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 4.5 (latest) January 2009.

NATIVE CONIFERS
- E CEDAR
- Cw Western Red Cedar
- Yc Cedar
- Yc Yellow Cedar
- F DOUGLAS FIR
- Fd Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- Ba Balsam
- Ba Amabilis Fir
- Bg Grand Fir
- H HEMLOCK
- Hm Mountain Hemlock
- Hmm Mountain x Western Hemlock hybrid
- Hw Western Hemlock
- J JUNIPER
- Ea Alligator Juniper
- Ej Juniper
- L LARCH
- La Subalpine Larch
- Lt Tamarack
- Lw Western Larch
- P PINE
- Pj Jack Pine
- Pl Lodge Pine
- Pli Lodgepole Pine
- Plc Lodgepole Pine (interior)
- Plcp Lodgepole x Jack Pine hybrid
- Pli Lodgepole Pine (coast)
- Pla Shore Pine (coast)
- Pw Western White Pine
- Pwa Whitebark Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Sx Sitka Spruce
- Sw White Spruce
- Sxe Engelmann x White
- Sxl Sitka x White
- Sxw Sitka x unknown hybrid
- Y YEW
- Yw Western Yew

NATIVE HARDWOODS
- E ALDER
- Dr Red Alder
- Ral Alder
- At Trembling Aspen
- A ASPEN, COTTONWOOD or POPLAR
- Act Black Cottonwood
- Ac Balsam Poplar
- Act Black Cottonwood
- Ep Paper Birch
- At Trembling Aspen
- A ARBUTUS
- Mb Bigleaf Maple
- E BIRCH
- Ea Alaska Paper Birch
- Ekx Alaska Paper Birch hybrid
- Ep Paper Birch (white)
- Ew Water Birch
- Ey Yellow Birch
- C CHERRY
- V Choke Cherry
- Vc Choke Cherry
- Vp Pin Cherry
- Vu Bitter Cherry
- Vp Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Vm Vine Maple
- G OAK
- Gb Garry Oak
- W WILLOW
- Wb Bebb's Willow
- Wp Pacific Willow
- Ww Peachleaf Willow (Bebb's)
- Wr Pussy Willow (gray-leaved)
- Ws Sitka Willow
- Wy Sitka Willow (lace-leaved)

UNKNOWN - OTHER
- X UNKNOWN
- Xh unknown hardwood
- Xc unknown coniferous
- Z OTHER (tree not on list)
- Dc other conifer
- Dh other hardwood

EXOTICS
- E APPLE
- Ua Apple
- A ASPEN, COTTONWOOD or POPLAR
- Axt *Southern Cottonwood
- E BIRCH
- Ek *Asiatic Birch
- Ex Silver Birch (swamp)
- Ey *Yellow Birch
- Yp CEDAR
- Yp Pacific Cedar
- E CHERRY
- Ue *Siberian Larch
- Lx *Hybrid Larch
- Mx Box Elder
- Mr *Norway Maple
- Mm *Japanese Maple
- Oak
- Qr *English Oak
- Qw *White Oak
- OTHER EXOTICS
- Cw *Incense Cedar
- Cy *Monterey Cypress
- Cs *Coast Redwood
- Ov European Mountain Ash
- Ow Common Hackberry
- Cp Common Pear
- Og Oregon Ash
- Ob Black Ash
- Ch *Shagbark Hickory
- Cl Tree-of-heaven
- Ok *Japanese Walnut
- PINE
- Pm *Monterey Pine
- Pn *Austrian Pine
- Pa *Bugle 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	141-160
9	161 +

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)
2	0 - 5
1	6 - 15
7	16 - 25
3	26 - 35
4	36 - 45
5	46 - 55
6	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 the average height that the dominant 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 are not present, e.g. young stands, or stands with a lot of pests. The estimated value provides 5 Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records :

VEGETATED NON-TREE CATEGORIES (5v/ v and i record):

NON-TREED SHRUB
- s SHRUBS - shrub with average shrub height > or = to two metres.
- si SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h 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 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 CATEGORIES (5v/ v and i record):
- ap AIRPORT
- be BEACH
- bm BEDFIELD
- br BEDROCK
- bu BURNED AREA
- ds DUNE SAND
- e EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- lk LAKE
- lkx LAKE DRIED
- lp POND or LAKE SEDIMENTS
- mn MARSH
- mw MOWAND
- mu MUDFLAT SEDIMENT
- ru RUBBLY MINE SPOILS
- sa SAND
- sl SLIDES
- sn SNOW COVER
- st STREAMS
- r RIVER / ESTUAR
- rm RESERVOIR MARGIN
- rr RAILWAY SURFACE
- ro ROAD SURFACE
- rs ROAD SURFACE
- ta TALUS
- u UNKNOWN
- ur URBAN

Note: Water categories (lk, ds, rs, r) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for 7 records**):**
- A ALPINE
- AF ALPINE FOREST (Species
- CL CULTURED
- CL CLAY BANK
- CR CLIFF/ROCK
- GR GRAVEL PIT
- ICE ICEFIELD
- L LAKE/WATER
- MUD MUDFLAT
- NP NON PRODUCTIVE
- NPBR NON PRODUCTIVE BRUSH
- NPBU NON PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST (Species
- OMAP OPEN MAPPABLE
- OR OPEN RANGE
- P HAYFIELD
- R RIVER
- S SWAMP
- SAND SAND
- SF SALT FLAT
- U URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NPRE NON PRODUCTIVE RESTOCKED
- NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code proceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

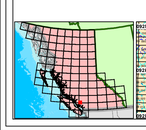
- A Animal Damage
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- N Natural Damage
- W Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Undefined
- V Problem Vegetation

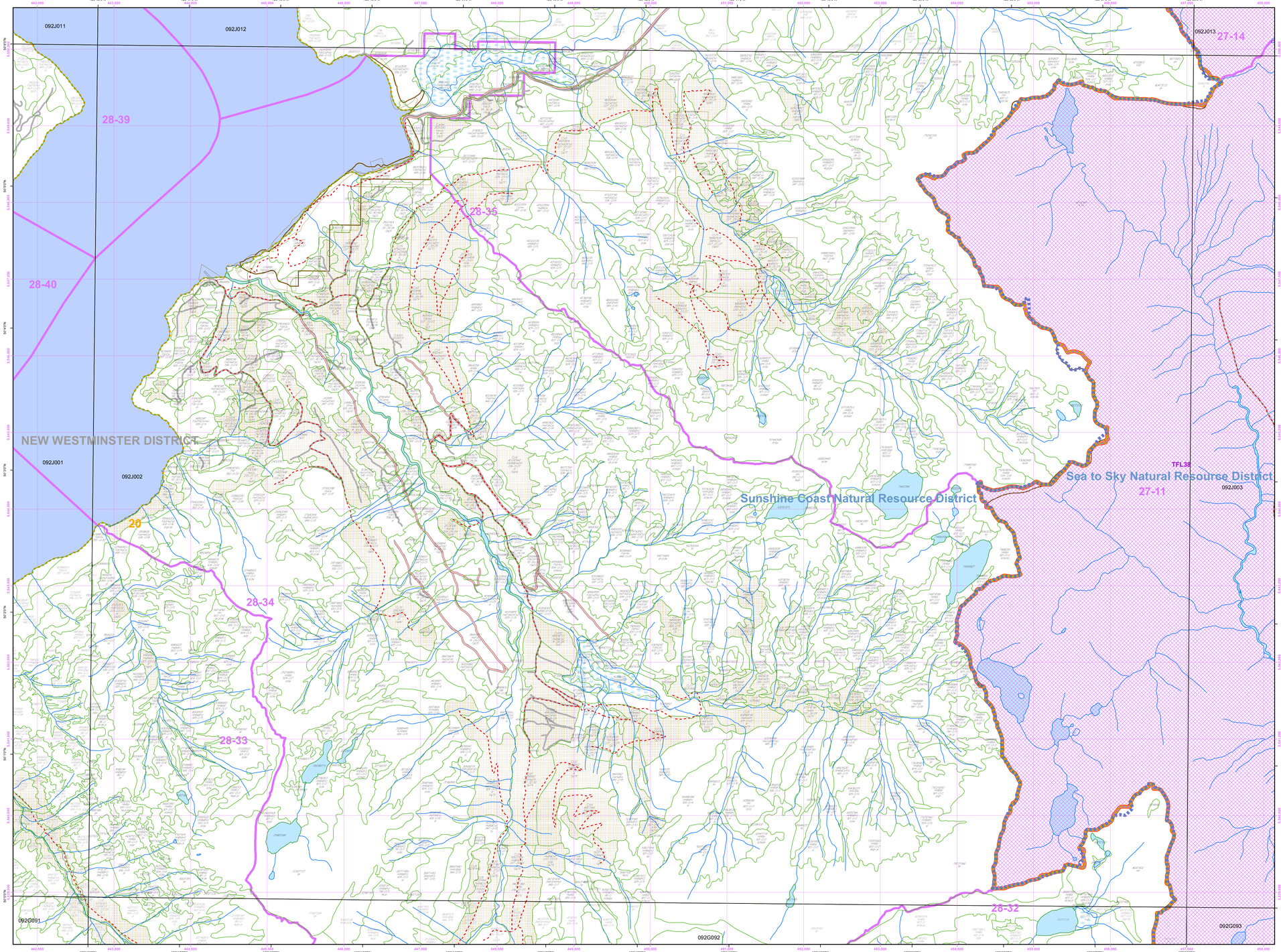
Example Opening History Details

Detailed Silviculture information is available on the BCGW through the RESULTS workspace. The MapView example is of Results RESULT 30.

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





Overflow Labels

092J002