093G035

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093G035

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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (VRI3)
- Research Installations

TRIM, Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helipds
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - ESRI
- 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 (< 1:600,000 ha - 15 % hatch)
- Municipal boundary (> 1:600,000 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: 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 1978

Line 1 - History Record Opening Number

- opening number valid for BCGS mapsheet
- opening number has not been assigned

Line 2 - Polygon No. / Multilayer

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 dataed January 2009.

NATIVE CONIFERS
C CEDAR
Cw WESTERN RED CEDAR
Y CYPRESS
Yc Yellow Cedar
Cy Lawson Cypress
Fd Douglas Fir
Fdc Coastal Douglas Fir
Fdi Interior Douglas Fir
B Fir (Balsam)
Ba Amabilis Fir
Bg Grand Fir
Bl Subalpine Fir (alpine)
H HEMLOCK
Hw Western Hemlock
Hm Mountain x Western Hemlock hybrid
J JUNIPER
Pa Alpine Larch
La Tamarack
Lw Western Larch
P PINE
Pj Jack Pine
Pl Lodgepole Pine
Pli Lodgepole Pine (interior)
Plc Lodgepole Pine (coastal)
Py Ponderosa Pine (yellow)
Pla Shore Pine (coast)
Pw Western White Pine
Pyk Whitebark Pine
S SPRUCE
Se Englemann Spruce
Sw Englemann Spruce
Sx Sitka Spruce
Sxw Spruce Hybrid
Sxl Englemann x White
Sxs Sitka x Lutzi
Sxl Sitka x Lutzi hybrid
T YEW
Tw Western Yew

NATIVE HARDWOODS
D ALDER
Dr Red Alder
U APPLE
Up Pacific Crab Apple
A ASPEN, COTTONWOOD or POPLAR
At Trembling Aspen
Ac Poplar
Act Balsam Poplar
Act Balsam Poplar hybrid
Ax hybrid Poplar
At Trembling Aspen
E BIRCH
Ep Alaska Paper Birch
Ep Alaska x Paper Birch hybrid
Ep Paper Birch (white)
K CASCARA
Kc Cascara
Kd Cascara
Vb Bitter Cherry
Vv Choke Cherry
Vp Pin Cherry
G DOGWOOD
Gp Pacific Dogwood (western flowering)
M MAPLE
Mb Bigleaf Maple (broadleaf)
Mv Vine Maple
O OAK
Gb Garry Oak
W WILLOW
Wp Pacific Willow
Wp Pacific Willow
Ww Peachleaf Willow (Bentley's)
Wr Red Willow (Drummond's Hybrid)
Wsp Scouler's Willow
Wr Sitka Willow (tea-leaved)

UNKNOWN - OTHER
x UNKNOWN
xt UNKNOWN conifer
xh unknown hardwood
Z OTHER (tree not on list)
Zc conifer
Zh other hardwood

EXOTICS
APPLE
Ux APPLE
ASPEN, COTTONWOOD or POPLAR
Ad *Southern Cottonwood
Ae *Aspen
Eb European Birch
Es Silver Birch (swamp)
Ek *Black Birch
CHERRY
Vs Sweet Cherry
MAPLE
Sp *Norway Maple
Mo Box Elder
Mp *Norway Maple
Ms *Sycamore Maple
OAK
Qg *English Oak
Qm *White Oak
OTHER EXOTICS
Ob *Horse Chestnut
Qs *Giant Sequoia
Qv *Coast Redwood
Ra *Red Alder/Oregon Ash
Sl Siberian Elm (southern)
Of Common Pear
Ou *Ornamental
Ot *White Ash
Ct *Shagbarks Hickory
Ob *Black Walnut
Oj Japanese Walnut
PINE
Pnr *Rocky Mtn Pine
Pm *Red Pine
Ps *Sugar Pine
Pn *Pine
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	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)
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. SI values are to be agreed to be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated where suitable SI trees are not present, e.g. Non-forested, Recently Logged. Estimated SI is stated which always precedes it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREED CATEGORIES (5v' & and l records)
- SL SHRUB-LOW
- SH SHRUB-TALL - shrub with average shrub height > or = to two metres.
- sl 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 gaminoids > 50% of the herb cover.

NON-TREED BRYOID
- bs BRYOID
- bm BRYOID - MOSS - bryoid with no distinction between mosses and lichens by cover.
- bl BRYOID - LICHENS - bryoid with mosses, liverworts, and lichens > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES (5v' & and l records)
- ap AIRPORT
- bl BEACH
- bl BLOCKFIELD
- br BEDROCK
- cb CLIFF/CANADA
- cl CUTBANK
- es EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- l LAVA BED
- lt LANDING
- ol OVERLAND SEGMENTS
- rk ROCK/TALUS
- mo MORAINE
- mu MUDFLAT SEDIMENT
- ro RESERVOIR MARGIN SPOILS
- oc OCEAN
- ot OTHER
- rd ROAD SURFACE
- rz RIPARIAN
- s SEDIMENT
- r RIVER / STREAM
- rr RESERVOIR MARGIN
- rs RIVER SEDIMENTS
- rs ROAD SURFACE
- s SAND
- t TALUS/OS
- ur URBAN

Note: Water categories (la, oc, re, rr) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5sr' records)
- AL ALPINE
- ALPINE FORBS/ Species
- C CULTIVATED
- CL CLEARING
- G GRAVEL BAR
- GR GRAVEL PIT
- M MEADOW
- MU MUD FLAT
- NF NON FOREST
- NPB NON PRODUCTIVE BRUSH
- NPBS NON PRODUCTIVE BURN
- NPBS NON PRODUCTIVE FOREST /Species
- NO NO TYPING AVAILABLE
- OR OPEN RANGE
- P PASTURE
- S SWAMP
- SAND SAND
- TIDE TIDAL FLAT
- U URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NCBS NON COMMERCIAL BURN
- NSR NOT SUFFICIENTLY RESTOCKED
- NTA 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.

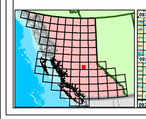
- A Animal Damage
- B Wildfire
- D Diseases
- I Insects
- L Logging
- M Mine Damage
- N Damage by Seed Insects
- P Damage Unknown Injuries
- R Core and Seedling Fungal Pathogens
- S Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

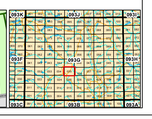
Example Opening History Details

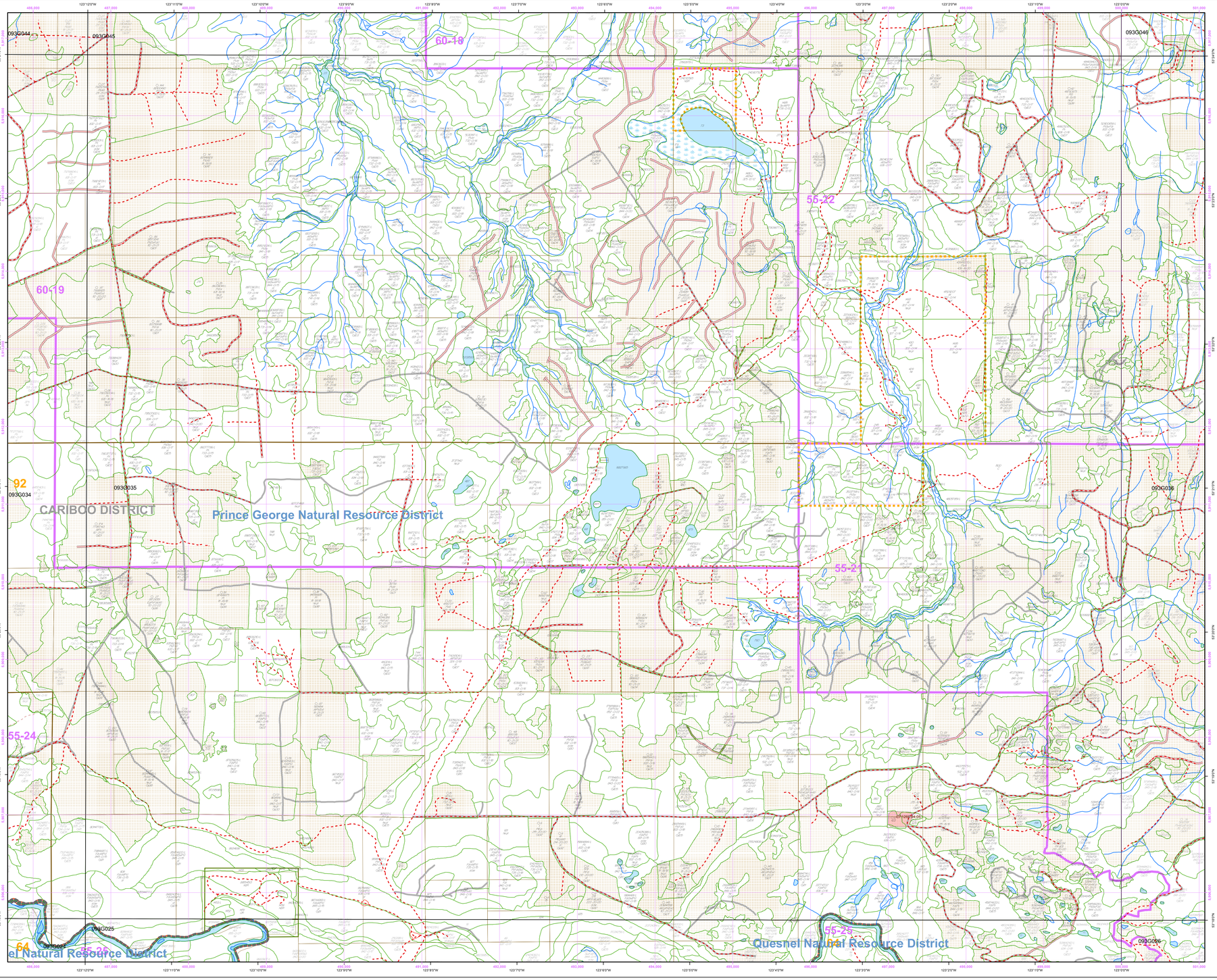
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thermal RESULTS data.

The Ministry of Forests, Mines and Lands web application "RESULTS" 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
ACTIVITY TREATMENT UNIT
BLOCK BOUNDARY
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels

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