093C079

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093C079

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 displayed on this map is not to be used to determine 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 /# Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Xeries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aerfbarriers - 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: 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 Cut or Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

OOOO - opening number valid for BCGS mapsheet
0000 - 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 dated January 2009.

NATIVE CONIFERS
C CEDAR
Cw Western Red Cedar
Y CYPRESS
Yc Yellow Cedar
H HEMLOCK
Fd Douglas Fir
Fdc Coastal Douglas Fir
Fdi Interior Douglas Fir
B FIR (Balsam)
Ba Amabilis Fir
Bg Grand Fir
Bl Subalpine Fir (alpine)
W HEMLOCK
Hm Mountain Hemlock
Hw Western Hemlock
Hwk Inland Western Hemlock hybrid
J JUNIPER
Jr Rocky Mtn. Juniper
Js Scopulorum Juniper
L LARCH
Le Alpine Larch
Lt Tamarack
Lw Western Larch
P PINE
Pa Albi Pine
Pf Limber Pine
Pl Lodgepole Pine
Plc Lodgepole Pine (contorta)
Plj Lodgepole x Jack Pine hybrid
Pp Ponderosa Pine (yellow)
Ppi Ponderosa Pine (Arizona Brown)
Pw Western White Pine
Py Whitebark Pine
S SPRUCE
Sa Alpine Spruce
Se Engelmann Spruce
Sx Sitka Spruce
Sxe Sitka x Engelmann
Sxl Spruce Hybrid
Sxw Engelmann x White
Sw White Spruce
Sxs Sitka x unknown hybrid
T YEW
Tw Western Yew

NATIVE HARDWOODS
D ALDER
Dr Red Alder
A ASPEN
Ac Pacific Cott-Aspen
At ASPEN, COTTONWOOD or POPLAR
Ae Aspen
Act Black Cottonwood
Ax hybrid Poplars
Ato Trembling Aspen
E ARBUTUS
Ep Arbutus
Ew Pacific
Ep Alaska Paper Birch
Epw Alaska x Paper Birch hybrid
Ew Water Birch
Ew Water Birch
K CASCARA
Kc CASCARA
V CHERRY
Vb Bitter Cherry
Vc 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
Ww Pacific Willow
Wwp Peachleaf Willow (Bentley's)
Wy Scouler's Willow (sp.tyrrellii)
Wr Rocky Mtn. Willow
Wil Sitka Willow (tall-leaved)

UNKNOWN - OTHER
X UNKNOWN
Xc UNKNOWN conifer
Xh UNKNOWN hardwood
Z OTHER (tree not on list)
Zc conifer
Zh other hardwood

EXOTICS
APPLE
Ax APPLE
ASPEN, COTTONWOOD or POPLAR
Asf Southern Cottonwood
BIRCH
Be European Birch
Bp Paper Birch (stump)
Y Yellow Birch
CHERRY
Cp Japanese Cherry
CYPRESS
Ylo Ylord Orford Cedar
FIR (Balsam)
Bb Nobles Fir
Bpr Noble Red Fir
Bw White Fir
LARCH
Lk Siberian Larch
Ls Siberian Larch
MAPLE
Mn Norway Maple
Mp Sycamore Maple
OAK
Qg Englishi Oak
Qw White Oak
Qsc SCARLET OAK
Qa Truxense Cedar
Qb Giant Sequoia
Qn Northern Red Oak
Qp Pin Oak
PINE
Pm Monterey Pine
Pr Red Pine
PLUM
Pp Purple Leaf Plum
SPRUCE
Sn Norway Spruce
Sb Siberian Spruce
Sk Koster's Blue Spruce
LARCH
Ld Dahurian Larch
Lk Siberian Larch
MAPLE
Mn Norway Maple
Mp Box Elder
Mt Tatarian Maple
Mx Truxense Maple
OAK
Qg English Oak
Qw White Oak
Qr Northern Red Oak
Qp Pin Oak
OTHER EXOTICS
Ch Horse Chestnut
Ob Giant Sequoia
Ob Coast Redwood
Ol European Black Ash
Ob Siberian Elm (laurifeon)
Ol Common Pear
Ob Mountain Ash
Ow White Ash
Ol Shagbark Hickory
Ol Black Walnut
Ob Japanese Walnut
PINE
Pm Monterey Pine
Pr Red Pine
Ps Scots 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	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
50 SI (m) shown is the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the leading species. When an accurate SI cannot be obtained from data and Height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees cannot present, e.g. young stands (<30yrs). It is denoted by a slash 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-TREE CATEGORIES (for V and I records)

NON-TREED SHRUB
st SHRUB TALL - shrub with average shrub height > or = to two metres.
sl 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 gaminoids > 50% of the herb cover.

NON-TREED BRYOID
by BRYOIDS - 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
ar Exposed Land
ro Rock / Rubble
sn Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap AIRPORT
be BEACH
bu BUILT-UP
br BEDROCK
bu BURNED AREA
cl CLAY BANK
ea EXPOSED SOILS
gl GLACIER
gp GRAVEL PIT
la LAKE
lb LAKE BED
ls POND or LAKE SEDIMENTS
mi MINE - OPENING
mo MORAINE
mu MUDFLAT SEDIMENT
ro RUBBLY MINE SPOILS
sa SAND
sl OTHER
sn SNOW COVER
ri RIVER / STREAM
rm RESERVOIR MARGIN
rw RAILWAY SURFACE
rs ROAD SURFACE
rs ROAD SURFACE
ta TALUS
tz TAILINGS
ur URBAN

Note: Water categories (la, ls, rs, ri) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)

A ALPINE
AF ALPINE FOREST (Species
C CULTIVATED
CL CLAY BANK
GL GLACIER
GR GRAVEL PIT
ICE ICEFIELD
L LAKE
MUD MUDFLAT

NP NON PRODUCTIVE
NPBR NON PRODUCTIVE BRUSH
NPBU NON PRODUCTIVE BURN
NPF NON PRODUCTIVE FOREST (Species
NPBR NON PRODUCTIVE BRUSH
OPEN OPEN RANGE
P HAYFIELD
R ROCK
S SWAMP

SAND SAND
SNOW PERM SNOW
URBAN

NC NON COMMERCIAL
NCBR NON COMMERCIAL BRUSH
NP NON PRODUCTIVE
NSR NOT SATISFACTORILY 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.

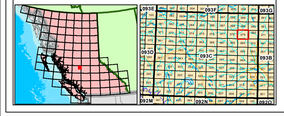
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Disease
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

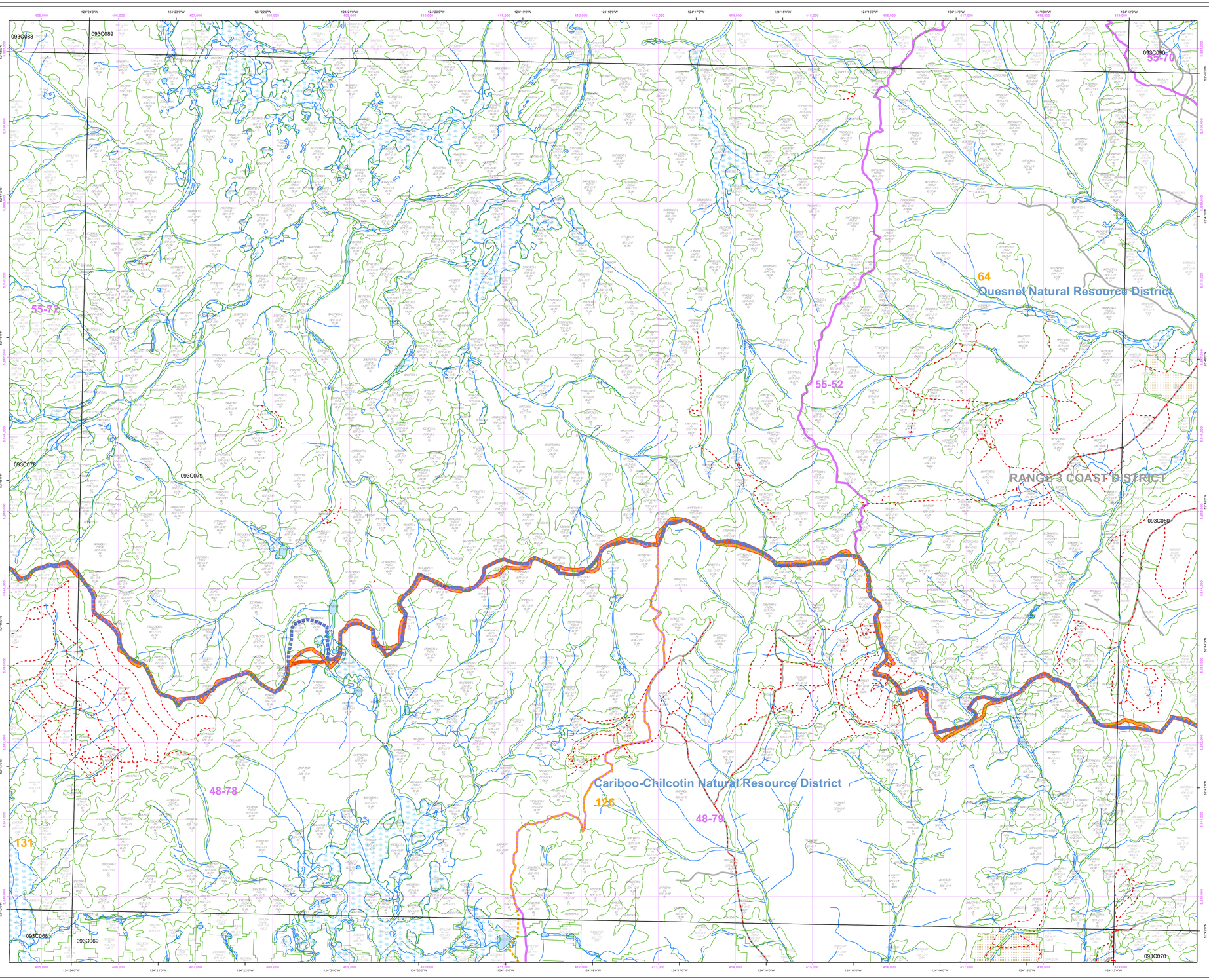
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of 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 Map" to turn on display values for -

OPENING
OPENING LABELS
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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