BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092H096

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 contained on this map is derived from various sources. 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 (OYS)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Airfields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Barriers - 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 Stand Opening Number and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
2 Species Composition
ex: the most important layer is described as Fd (Dougls 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: Stocking class 4 (regenerating stand of trees and gymnosds, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

OYC
ESTA
FdHw
28 - 20
NOF
OG78

Line 1 - History Record Opening Number

OYC - opening number valid for BCGS mapsheet 2XXX - 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. L2)

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 dated January 2009.

NATIVE CONIFERS
C CEDAR
CW Western Red Cedar
Y CYPRESS
Yc Yellow Cedar
Fd FIR (DOUGLAS)
Fdi Douglas Fir
Fdc Coastal Douglas Fir
Fdi Interior Douglas Fir
B FIR (BALSAM)
Ba Amabilis Fir
Bl Subalpine Fir
Bg Subalpine Fir (alpine)
H HEMLOCK
Hw Western Hemlock
Hwc Western Hemlock
Hwk Mountain x Western Hemlock hybrid
J JUNIPER
J Rocky Mtn. Juniper
Js Seaside Juniper
L LARCH
La Alpine Larch
Lt Tamarack
Lw Western Larch
P PINE
Pj Jack Pine
Pl Lodgepole Pine
Pli Lodgepole Pine (interior)
Plc Lodgepole Pine (coastal)
Plx Lodgepole x Jack Pine hybrid
Pp Ponderosa Pine (pine)
Pxc Shore Pine (coastal)
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 Lutz hybrid
Ss
Tw Western Yew

NATIVE HARDWOODS
D ALDER
Dr Red Alder
U APPLE
Ut Pacific Crab Apple
A ASPEN, COTTONWOOD or POPLAR
At Aspen
Ab Balsam Poplar
Ac Black Cottonwood
Ax Hybrid Poplars
At Trembling Aspen
E Alder/Aspen
Ea Alder/Aspen
E BIRCH
Ew Western Paper Birch
Ewk Alaska x Paper Birch hybrid
Ep Paper Birch (white)
Ey Yellow Birch
F CASCARA
Fc Cascara
K Pacific Crab
Uk Indian Cherry
V Choke Cherry
Vp Pin Cherry
Vu Pacific Cherry
M MAPLE
Mb Bigleaf Maple (broadleaf)
Mv Vine Maple
O OAK
Or Garry Oak
W WILLOW
Wb Bebb's Willow
Wp Pacific Willow
Ww Peachleaf Willow (Bentzi's)
Wr Pussy Willow (gray-leaved)
Wy Scouler's Willow
Ws Sitka Willow (low-leaved)

UNKNOWN - OTHER
Z UNKNOWN
Zc unknown conifer
Zh unknown hardwood
Z OTHER (free roll on list)
Zc other conifer
Zh other hardwood

EXOTICS
U APPLE
Ut APPLE
A ASPEN, COTTONWOOD or POPLAR
Ad *Southern Cottonwood
Ae *Aspen
Ea *European Birch
Ey *Silver Birch (swamp)
Ey *Cutleaf Birch
CONIFER
Vs *Sweet Cherry
Vt *Tartarian
Vc *Pond (Dilled) Cedar
FIR (Balsam)
Bn *Noble Fir
Bp *Noble Fir
Bm *Shasta Red Fir
Bc *Grand
LARCH
Lk *Dahurian Larch
Lp *European Larch
MAPLE
Mm Box Elder
Mn *Norway Maple
Mp *Sycamore Maple
OAK
Oe *English Oak
Oh *Holly Oak
OTHER EXOTICS
Ce *Incense Cedar
Cl *Colorado Fir
Cr *Coast Redwood
Ge European Mountain Ash
Gm *Mountain Ash (Northern)
Gp Common Pear
Gp Oregon Ash
Gr *Grand Fir
Gt *Ringdong's Hickory
Q *Tree-of-heaven
Qp *Japanese Walnut
PINE
Pe *Monterey Pine
Pn *Austrian
Pa *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
Site Index is given to 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 age and height measured SI is shown after or replaces the SI.

4e. ESTIMATED SITE INDEX
Site Index is estimated when no site trees are present in a young stands (<30yrs). It is denoted by a dash 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 Y and I records)

SHRUBS
sp SHRUB TALL - shrub with average shrub height > or = to two metres.
sr SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
hw HERB - herb with no distinction between forbs and graminoids.
hg HERB - FORBS - herb with forbs > 50% of the herb cover.
hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

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

NON VEGETATED
nf Forested Land
rs Rock / Rubble
is Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap AIRPORT
bd BUILDING
br BLOCKFIELD
br BEDROCK
cu CULTIVATED
ds DUMPS
ex EXPOSED SOILS
gl GLACIER
gp GRAVEL PIT
h HOUSE
lk LAKE-MED
l LANDING
lk POND or LAKE SEDIMENTS
mi OPEN PIT MINE
mow MOWING
mu MUDFLAT SEDIMENT
mu MUDFLAT - MARINE SPOILS
oc OCEAN
oi OTHER
pc PERMANENT COVER
r RESERVOIR
r RIVER / STREAM
rm RESERVOIR MARGIN
rm RIVER MARGIN
rs RIVER SEDIMENTS
ri ROAD SURFACE
s SLIDE
ta TAILINGS
ur URBAN

Note: Water categories (ls, ss, rs, ri) not labelled over 50 percent coverage.

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

AF ALPINE FOREST (Species NPMS NON-PRODUCTIVE BRUSH
CL CLEARING NPBR NON-PRODUCTIVE BRUSH
GL CLAY BANK NPF NON-PRODUCTIVE FOREST (Species
G GRAVEL BAR NTA NO TYPING AVAILABLE
GC GRAVEL CRUSH NTS NO TYPING SAVAILABLE
GP GEYSELD NV NAVIGABLE
M MEADOW R ROCK
MUD MUDFLAT SAND SAND
SAND SAND
TIDE TIDAL FLAT
W WATER
NC NON COMMERCIAL
NCB NON COMMERCIAL BRUSH
NP NON PRODUCTIVE
NSR NOT SUFFICIENTLY RESTOCKED
NTA NOT TYPING AVAILABLE

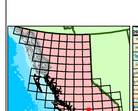
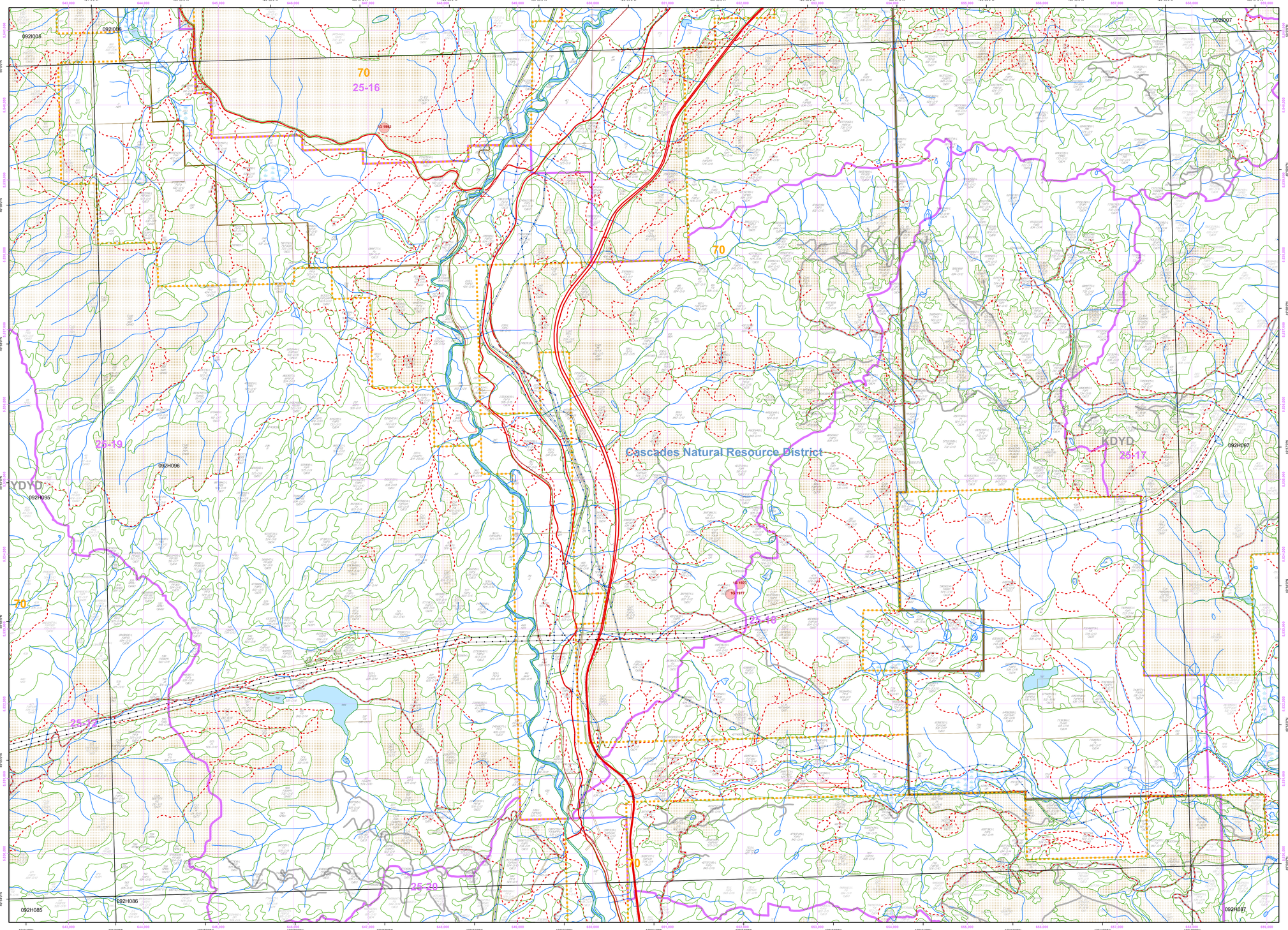
Line 6 - Disturbance History

Disturbance type code preceeded 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 Mile 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
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH