BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093G062

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers
0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - WRMS / 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 available functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information contained in the layers consists of Crown Land 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 (1/3)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RV: 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 (< 1:200,000 ha - 15 % hatch)
- Municipal boundary (> 1:200,000 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
4 Age, Height, Crown Closure Class - 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 Description)
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 — OOPP - 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 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
Cw WESTERN RED CEDAR
Ce WESTERN RED CEDAR
Y CYPRESS
Fd DOUGLAS FIR
F DOUGLAS FIR
Fd Douglas Fir
Fdi Interior Douglas Fir
Fdf Interior Douglas Fir
Bl FIR (Balsam)
Ba Balsam Fir
Bg Grand Fir
Bl Subalpine Fir (alpine)
Hw HEMLOCK
Hm Mountain Hemlock
Hw Western Hemlock
Hwm Mountain x Western Hemlock hybrid
J JUNIPER
Js Rocky Mtn. Juniper
Jd Desert Juniper
L LARCH
Lw Western Larch
Lt Tamarack
Lw Western Larch
P PINE
Pj Jack Pine
Pl Lodge Pine
Pli Lodgepole Pine
Pli Lodgepole Pine (interior)
Plq Lodgepole x Jack Pine hybrid
Pm Western White Pine
Pw Shore Pine (coast)
Pw Western White Pine
Pp PONDEROSA PINE
S SPRUCE
Sb Black Spruce
Se Engelmann Spruce
Sx Sitka Spruce
Sw White Spruce
Sxe Engelmann x Sitka
Sxw Sitka x White
Sxl Sitka x Alpine (unknown hybrid)
Sb Black Spruce
Se Western Yew

NATIVE HARDWOODS
Ac Black Cottonwood
Act Black Cottonwood
Ad Trembling Aspen
B BIRCH
Ew Black Cottonwood
Ew Black Cottonwood
Ep Trembling Aspen
Ep Aspen
Ep Trembling Aspen
Ast Black Cottonwood
Ax hybrid Poplars
Ax Balsam x Aspen
A ARBUTUS
Pw Arbutus
Dr Dogwood
Ea Alaska Paper Birch
Ebp Alaska x Paper Birch hybrid
Ep Paper Birch (white)
Ew Water Birch
Ew Water Birch
Ep Paper Birch
Ea Alaska Paper Birch
Ebp Alaska x Paper Birch hybrid
Ep Paper Birch (white)
Ew Water Birch
Ew Water Birch
Ac Cascara
Y CHERRY
Yb Bitter Cherry
Yv Choke Cherry
Up Pin Cherry
Ym Mountain Cherry
Qg Pacific Dogwood (western flowering)
M MAPLE
Mb Bigleaf Maple (broadleaf)
Mv Vine Maple
O OAK
Gb Garry Oak
W WILLOW
Wb Bebb's Willow
Wp Pacific Willow
Wlh Hooker Willow (Bentley's)
Wlr Pussy Willow (grey leaved)
Wsp Scouler's Willow
Wsi Sitka Willow (lace leaved)

UNKNOWN - OTHER
X unknown species
Xc unknown conifer
Xh unknown hardwood
X other (use only if not all fit)
Z unclassified
Zh other hardwood

EXOTICS
Ua ALDER
Ua ALDER
ASPEN, COTTONWOOD or POPLAR
Aat Alaska Green Cottonwood
BIRCH
Ea European Birch
Ew Water Birch (Swamp)
Ep "Yellow Birch
CHERRY
Vs Sweet Cherry
CYPRESS
Yp "Port Orford Cedar
FIR (Balsam)
Bs "Balsam Fir
Bn "Noble Fir
Bp "Pacific Red Fir
Bc "White Fir
LARCH
Lk "Dahurian Larch
Lp "Siberian Larch
MAPLE
Mb Box Elder
Mh "Norway Maple
Mb Sycamore Maple
OAK
Qe "English Oak
Qm "Pedunculate Oak
OTHER EXOTICS
Ox "Incense Cedar
Ob "Grand Fir
Ox "Coast Redwood
Ox European Mountain Ash
Ox Mountain Ash (Cascade)
Cf Common Pear
Og Oregon Ash
Ot "Sycamore
Cl "Shagbark Hickory
Cj "Tree of Heaven
Cw "Black Walnut
PINE
Pn "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)
1	6 - 10
2	11 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	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 unless marked with a "+" (e.g. 25+ is equivalent to 25 at 50 years) 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 cannot present, e.g. recently harvested, or SI is not a meaningful value due to silvicultural practices. 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
sl SHRUB TALL — shrub with average shrub height > or = to two metres.
sl SHRUB LOW — shrub with average shrub height < two metres.

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

NON-TREED BRYOID
bs BRYOID - MOSS — 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 (for V and I records)

NON VEGETATED
ei Exposed Land
ii Improved Site
si Snow / Ice

bs BEACH
bl BLOCKFIELD
br BEDROCK
b BURNED AREA
cb CUTBANK
cl COAL SEAMS
gl GLACIER
cp CAPE
ed EARTH PIT
ll LAKE BED
lm LAKE MUD
p POND or LAKE SEDIMENTS
mi OPEN PIT MINE
mo MORAINE
mg MUDFLAT SEDIMENT
mp RUBBLE MINE SPOILS
oc OCEAN
ow OCEAN WATER
sc SNOW COVER
re RESERVOIR
s STREAM
st STREAM SEDIMENT
rm RESERVOIR MARGIN
ra RIVERBANK SURFACE
rs RIVER SEDIMENTS
ss SAND SURFACE
t TALUS
tailings TAILINGS
u URBAN

Note: Water categories are labelled over 50 percent coverage.

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

AT ALPINE
AF ALPINE FOREST (Species
CL CLIFF
CL CLAY BANK
GL GRAVEL BAR
IC ICE FIELD
ICE ICEFIELD
M MEADOW
MUD MUDFLAT
NP NON-PRODUCTIVE
NPBR NON-PRODUCTIVE BRUSH
NPF NON-PRODUCTIVE FOREST (Species
NTA NO TYPING AVAILABLE
P POND
P HAYFIELD
R ROCK
S SWAMP
SAND SAND
TIDE TIDAL FLAT
U URBAN
NC NON-COMMERCIAL
NCBR NON-COMMERCIAL BRUSH
NP NON-PRODUCTIVE
NSR NOT SUFFICIENTLY RESTOCKED
NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

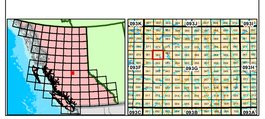
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

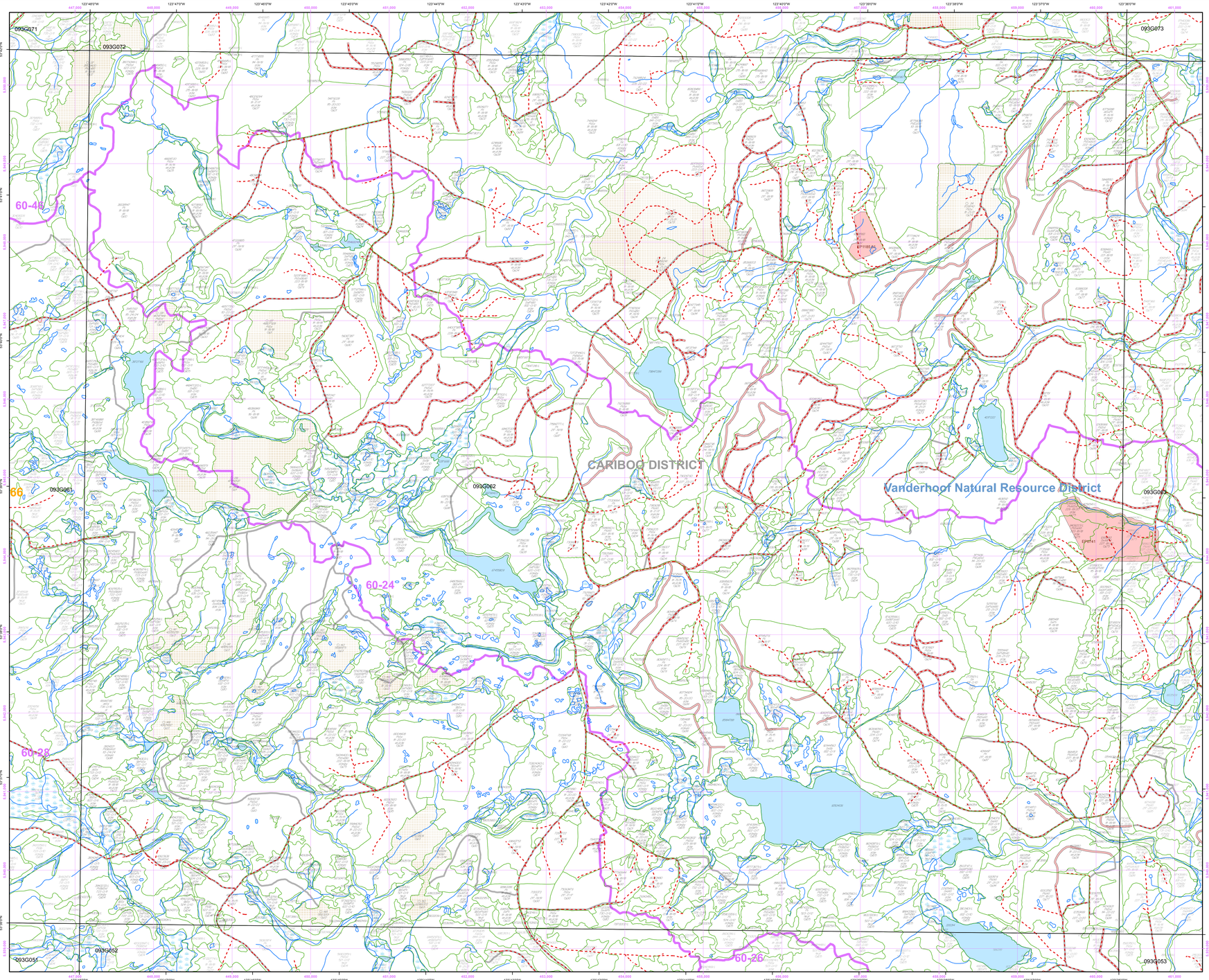
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mild Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
S Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The Map View example is of thermed 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" to turn on display values for -
OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
RESULTS BLOCK
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels