092H098

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092H098

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
- Sructure Opening in Vegetation
- Permanent Sample Plot (1013)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aa-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:

Cw 60 5M
Fd 40 7M
Hw 20 10M
Pli 10 11M
2L 2M

LINE DESCRIPTION
1 Structure symbol and Opening Number
2 Species Composition 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 (2.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Inventory Type Group and Estimated source code
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less tha 2m
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

- opening number valid for BCGS mapsheet
nnnn - 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 dataed January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmh	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (boreal)
Pjc	Shore Pine (coastal)
Pw	Western White Pine
Pyc	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Englemann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

D	DOGWOOD
E	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
At	Trembling Aspen
Ax	Black Cottonwood
Ax	hybrid Poplars
Ep	Paper Birch (alpine)
W	ARBUTUS
Wa	Arbutus
Ep	Birch
Ea	Alaska Paper Birch
Exp	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
K	CASCARA
C	CHERRY
Cc	Choke Cherry
Up	Pin Cherry
Uv	Bitter Cherry
Up	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Q	OAK
Qg	Garry Oak
H	WILLOW
Hb	Bebb's Willow
Hd	Drummond's Willow
Hm	Peachleaf Willow (Bonsby's)
Hw	Pussy Willow (gray-leaved)
Hx	Hybrid Willow
Hh	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

Z	UNKNOWN
Zh	unknown bonifer
Zb	unknown hardwood
Zx	OTHER (tree not on list)
Zo	other conifer
Zd	other hardwood

EXOTICS

Ai	ASH
Aa	ASPEN, COTTONWOOD or POPLAR
Ae	Black Cottonwood
Bbo	BIRCH
Be	European Birch
Bp	Paper Birch (alpine)
Ep	*Yellow Birch
Bb	CHERRY
Ye	*Mazzard Cherry
Yp	CYPRESS
Yp	*Port Orford Cedar
Lp	LARCH
Bb	*Nubian Fir
Bp	Noble Fir
Bg	*Grand Fir
Bn	*White Fir
Lp	LARCH
Ld	*Dahurian Larch
Lk	*Siberian Larch
MAPLE	
Mr	Red Maple
Mp	*Norway Maple
Mt	*Sycamore Maple
OAK	
Qe	*English Oak
Qp	*Pin Oak
OTHER EXOTICS	
Ob	*Incense Cedar
Ob	*Monterey Cedar
Oc	*Coast Redwood
Oe	European Mountain Ash
Oj	Japanese Mountain Ash
Oh	Common Pear
Oq	Oregon Ash
Ow	*Wild Plum
Oh	*Hoptree/Hop
Oj	Tree-of-Heaven
Ol	*Japanese Walnut
PINE	
Pm	*Monterey Pine
Pn	*Austrian Pine
Pr	*Scots Pine
SPRUCE	
Se	*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 - 27.4
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 (BHA). Site index curves are from Nigh (1995). Where SI is accurate for species in adjacent polygons with same age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aerial present, e.g. adjacent to cut blocks. Estimated SI is for the entire polygon and precedes it. Associated Note 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
- sh - shrub with average shrub height > or = to two metres.
- sl - shrub with shrub height < two metres.

NON-TREED HERB
- he - HERB
- hf - HERB - FORBS
- hg - HERB - GRAMINOIDS

- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of the herb cover.
- herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bryoid with no distinction between mosses and lichens by cover.
- bryoid with mosses, liverwots, and hornworts > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- ro - Rock / Outcrop
- rr - Rock / Rubble
- ss - Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ae	AIRPORT	gb	GRAVEL PIT
be	BEACH	lk	LAKE
bl	BOULDERFIELD	lr	LAKE BED
bu	BUSHROCK	ls	LANDSLIP
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS
cl	CLEARING	mi	MINE SPOIL
es	EXPOSED SOILS	mi	URBAN
gl	GLACIER		

mu	MUDFLAT SEDIMENT
mp	RUBBLY MINE SPOILS
ri	RIVER
st	OTHER
pn	SNOW COVER
sw	SNOW FIELD
ur	URBAN

Note: Water categories (lk, ss, re, rl) not labeled over 90 percent coverage.

NON-FORESTED / NON-PRODUCTIVE DESCRIPTOR CODES (for V records)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
CL	CULTIVATED	TG	NON PRODUCTIVE GRASS
GL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
I	ICE / SNOW CAP	DR	DRY RANGE
ICE	ICEFIELD		HAYFIELD
MEA	MEADOW	R	ROCK
MUD	MUDFLAT		SWAMP

SAND	SAND		
SF	SILT / FLAT		
TUN	TUNDRA		
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.

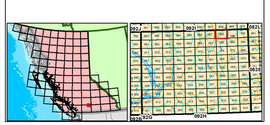
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mills Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
I	Insects	P	Cone and Seedling Fungal Pathogens	V	Protection Vegetation

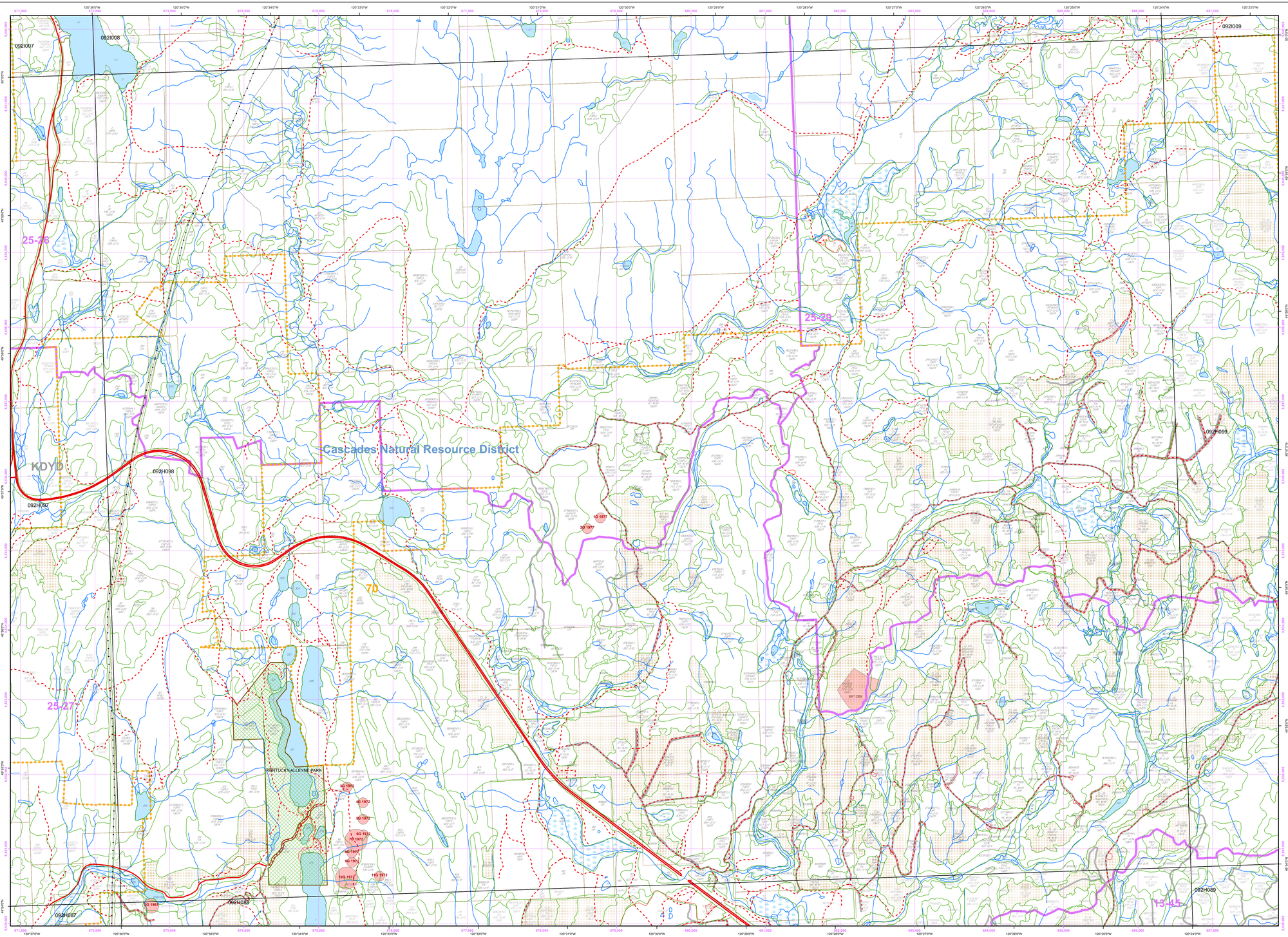
Example Opening History Details

Detailed Silvicuture 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 Silvicuture Map" to turn on display values for -

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





Overflow Labels

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