092I072

Vegetation Map

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BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

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 display the Vegetation Resource Inventory (VRI) attributes, 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 (CFS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Barriers - 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 (< 1:000,000 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 - ranging from one to nine digits
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 Inventory Type Group - Primary Biogeoclimatic Classification
ex: a forb 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 — *none* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
1, 2, 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	YEW
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	FIR (Amabilis)
Ba	Amabilis Fir
Bg	Grand Fir
B	Subalpine Fir (alpine)
H	HEMLOCK
Hw	Western Hemlock
Hm	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
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plh	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pq	Shore Pine (coast)
Pli	Shore Pine (interior)
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Englemann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxw	Englemann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
YEW	
Tw	Western Yew

NATIVE HARDWOODS

ALDER	
D	Red Alder
ALPINE	
Ac	ASPEN/ Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Western Poplar
Ad	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
ARBUTUS	
Ar	ARBUTUS
B	BIRCH
Ep	Alaska Paper Birch
Ew	Kenai x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Kenai Birch
Ea	Alaska Birch
Ko	Cascara
Dw	Dogwood
Vs	White Cherry
Vy	Choke Cherry
Vf	Red Cherry
COCONWOOD	
Cp	Pacific Dogwood (western flowering)
E	ELM
Mb	Rocky Mtn. Maple (broadleaf)
Mn	Vine Maple
M	MAPLE
Q	Garry Oak
W	WILLOW
Wa	Bebb's Willow
Wb	Scouler's Willow
Wp	Peachleaf Willow (Bonitata's)
Wr	Red Willow (Drummond's)
Ws	Sitka Willow
Wr	Dilla Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not listed)
Zc	other conifer
Zh	other hardwood

EXOTICS

APPLE	
Ua	Apple
ASPEN, COTTONWOOD or POPLAR	
Act	Northern Cottonwood
BIRCH	
Ep	European Birch
Ew	Kenai x Paper Birch
Ey	Yellow Birch
CHERRY	
Yv	Mazzard Cherry
CYPRESS	
Yn	Pond (Nootka) Cypress
E	ELM
Eu	"Siberian Fir
Fb	"Balsam Fir
Fg	"Grand Fir
Fm	"Shasta Red Fir
Fw	"White Fir
LARCH	
Lsl	"Siberian Larch
Lld	"European Larch
MAPLE	
Mb	Box Elder
Mn	"Norway Maple
Ms	"Sycamore Maple
OAK	
Qa	"Pedunculate Oak
Qs	"White Oak
OTHER EXOTICS	
Ch	"Sweet Chestnut
Oc	"Giant Sequoia
Os	"Coast Redwood
Ou	"Common Hackberry Ash
Ue	Siberian Elm (southern)
Of	Common Pear
Ow	"Black Locust
Oh	"White Ash
Oj	"Shagbark Hickory
Ot	"Tree-of-Heaven
Ow	"Japanese Walnut
PINE	
Pm	"Monterey Pine
Pn	"Austrian Pine
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)
1	0 - 5
2	6 - 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 breast height age. SI is estimated for each layer by the most existing 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 aremt present, e.g. immature stands. SI is estimated by the use of site index curves provided to Associated fields in the data base are inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records 1

VEGETATED NON-TREE CATEGORIES (for V and I record=):

NON TREED SHRUB
- sa SHRUB
- sl SHRUB LOW

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

- shrub with average shrub height > or = to two metres.
- shrub with average shrub height < two metres.
- herb with no distinction between forbs and graminoids.
- herb with forbs > 50% of the herb cover.
- herb with gominoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOID
- bm BRYOID - MOSS
- bl BRYOID - LICHENS

- bryoid with no distinction between mosses and lichens by cover
- bryoid with mosses > 50% of the bryoid cover.
- bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- ei Exposed Land
- rs Rock / Rubble
- sc Snow / Ice

NON VEGETATED CATEGORIES (for V and I record=):

ap	AIRPORT	gp	GRAVEL PIT	ms	MUSEUM SEGMENT
b	BEACH	h	LAVA BED	oc	OCEAN
br	BLOCKFIELD	la	LANDING	os	OTHER SURFACE
bu	BUILDING	ls	LANDSLIDE	sn	SNOW
c	BURNT/CABIN/CA	lt	LANDSLIDE TRACK	t	TALUS
cb	CUTBANK	mi	OPEN PIT MINE	tz	TAILINGS
d	DELTA/MUD FLATS	mn	MORAINE	ur	URBAN
g	GLACIER				

rm	RESERVOIR MARGIN				
rn	RAILWAY SURFACE				
rs	RIVER SEGMENTS				
ro	ROAD SURFACE				
sl	SLUDGE				
tz	TAILINGS				
ur	URBAN				

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I record=):

AL	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BY	BRYOID	NPBS	NON PRODUCTIVE SHRUB	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
ICE	ICEFIELD	OP	OPEN	NCBR	NON COMMERCIAL BRUSH
ICP	ICEFIELD	P	WATFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NOTTYPING 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.

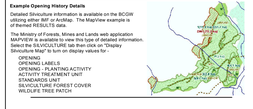
A	Animal Damage	L	Logging	S	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seeding Fungal Pathogens	V	Problem Vegetation
I	Insects				

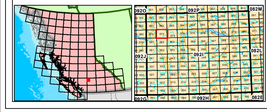
Example Opening History Details

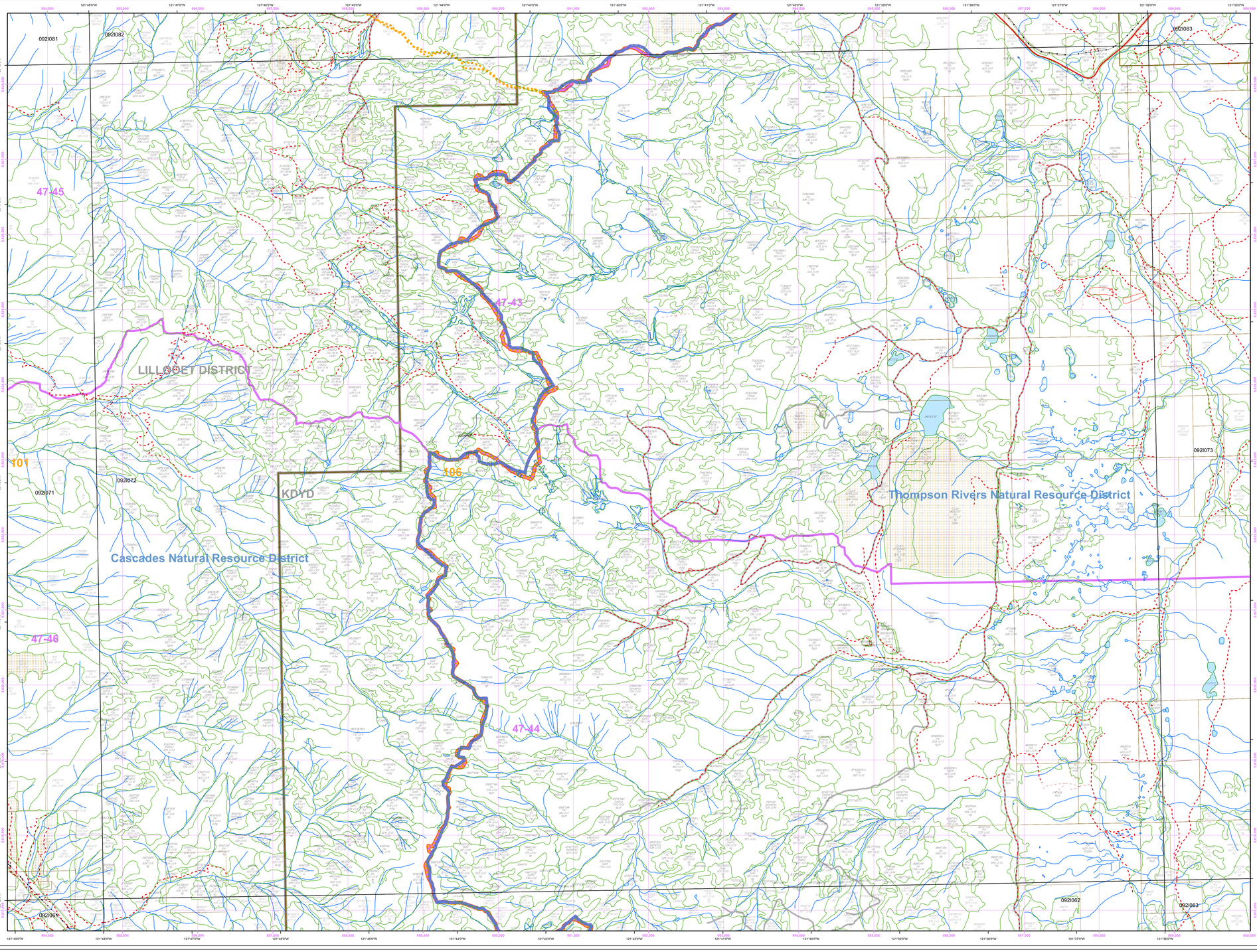
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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" to turn on display values for -

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







Overflow Labels

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