092O018

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 data for the area of interest. Some of 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 (CVS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrip/Helipads
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroline/Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MU 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
ex: the most important layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4 Age Class, Height Class, Crown Closure Class, Site Index - read from left to right
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 fresh polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

- opening number valid for BCGS mapsheet
DOR - 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 4.0 dated January 2009.

NATIVE CONIFERS
- C CEDAR
- Cw Western Red Cedar
- Cy CYPRESS
- Yc Yellow Cedar
- F DOUGLAS FIR
- Fd Coastal Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- H HEMLOCK
- Ba Amabilis Fir
- Bg Grand Fir
- Bl Subalpine Fir (alpine)
- H HEMLOCK
- Hm Mountain Hemlock
- Hmh Mountain Hemlock
- Hwm Mountain x Western Hemlock hybrid
- J JUNIPER
- Jr Rocky Mtn. Juniper
- Js Sabeine Juniper
- L LARCH
- La Alpine Larch
- Lt Tamarack
- Lw Western Larch
- P PINE
- Pj Jack Pine
- Pl Lodgepole Pine
- Pli Lodgepole Pine
- Plc Lodgepole Pine (interior)
- Plcp Lodgepole Pine x Jack Pine hybrid
- Pp Ponderosa Pine (yellow)
- Ppc Shore Pine (coast)
- Pw White Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Sep Hybrid Spruce
- Sw White Spruce
- Sx Spruce hybrid
- Sxb Spruce x White
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- Y Yew
- Yw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- Du Sitka
- Up Pacific Crab-Apple
- A ASPEN, COTTONWOOD or POPLAR
- At Trembling Aspen
- Ac Balsam Poplar
- Act Black Cottonwood
- Ad Hybrid Poplar
- At Trembling Aspen
- R ARBUTUS
- Mb Pacific Crab-Apple
- E BIRCH
- Ea Alaska Paper Birch
- Eap Alaska x Paper Birch hybrid
- Ep Paper Birch (white)
- Ew Water Birch
- K CASCARA
- Kc Cascara
- Kd Hybrid
- Vb Sitka Cascara
- Vc Choke Cherry
- Vm Pin Cherry
- Vv CHOKECHERRY
- Vvc Pacific Dogwood (western flowering)
- G DOGWOOD
- Gp Garry Oak
- W WILLOW
- Wa Pacific Willow
- Wb Peachleaf Willow (Bebbs)
- Wbl Bebbs Willow
- Wi Scouler's Willow
- Wp Pacific Willow (tree-trunked)

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

EXOTICS
- APPLE
- Ua Apple
- Uap HYBRID COTTONWOOD or POPLAR
- Aat *Southern Cottonwood
- BIRCH
- Ek *Japan Birch
- Ekx Silver Birch (exarch)
- Ey *Yellow Birch
- CHERRY
- Yx Sweet Cherry
- CYPRESS
- Lm *Monterey Cedar
- FIR (Subalpine)
- Bb *Balkam Fir
- Bbi Inidan Fir
- Bm *Shasta Red Fir
- Bn *Noble Fir
- LARCH
- Lk *Dahurian Larch
- Ld *European Larch
- MAPLE
- Me Box Elder
- Mn *Norway Maple
- Ms *Sycamore Maple
- OAK
- Qa *English Oak
- Qm *White Oak
- OTHER EXOTICS
- Ch *Horse Chestnut
- Ck *Giant Sequoia
- Cn *Coast Redwood
- Eu European Mountain Ash
- Ew *Black Walnut (southern)
- Of Common Pear
- Og Oregon Ash
- Ot *White Ash
- Ox *Honeylocust Hickory
- Tree-of-heaven
- Jr 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)
1	6 - 10
2	11 - 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

SI is estimated 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 site information is known after, or replaced the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aremnt present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Associated fields in the Sibi 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
- w SHRUB TALL - shrub with average shrub height > or = to two metres.
- w SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he 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
- bo BRYOIDS - 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 - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	l	LAKE	ro	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bu	BUILDING	mi	MINE SITE	or	ORCHARD
bs	BURNED AREA	p	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	rs	OPEN PIT MINE	rr	RESERVOIR
dy	DEVELOPED SOILS	sk	MOUNDS	rd	ROAD or TRAM
gl	GLACIER				

Note: Water categories (p, la, rs, rr, l) must be 20 percent coverage.

ri	RESERVOIR MARGIN	ra	RAILWAY SURFACE
rv	RIVER SEDIMENTS	rs	ROAD SURFACE
sa	SALT FLAT	ta	TALUS
tz	TAILINGS	ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F recprd's)

AL	ALPINE	NP	NON PRODUCTIVE
AT	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
BR	BRUSH	NPBU	NON PRODUCTIVE BURNS
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
GL	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
KE	KEYFIELD	P	HAYFIELD
MA	MARSH	R	ROCK
MUD	MUDFLAT	S	SNOWIR
	SAND	SAND	
	TIDE	TIDAL FLAT	
	U	URBAN	
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPRS	NON PRODUCTIVE RESTOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

Disturbance type code preceded 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	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

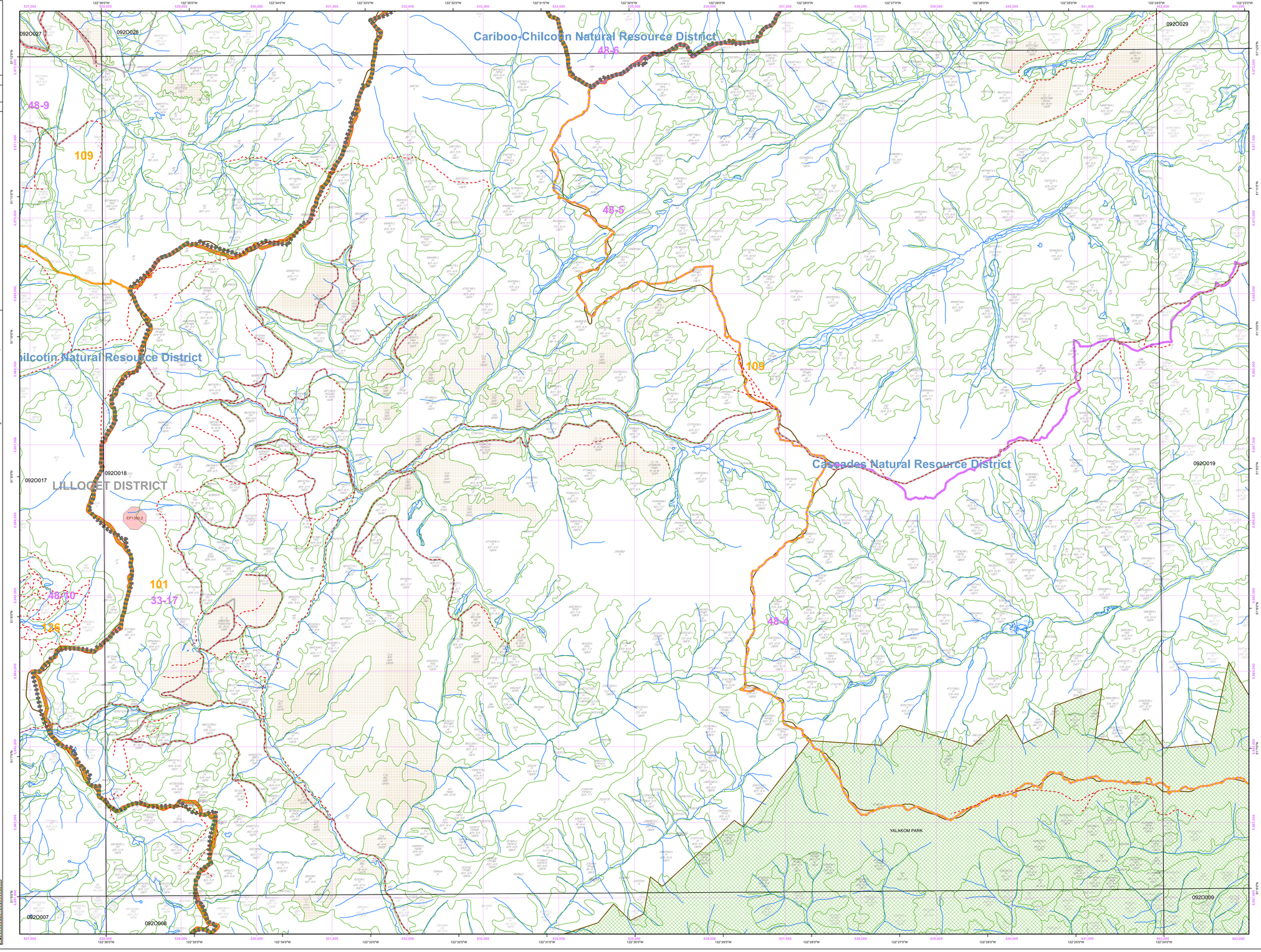
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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 Map" to turn on display values for :

- OPENING
- OPENING LABELS
- OPENING / HARVESTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- SILVICULTURE BLOCK
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH







Overflow Labels

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