093O021

Vegetation Map
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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 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
- Srvicolture Opening or Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM. Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Fairies
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ave/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RU 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 - 5 % 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 and multi-layer stand indicator (L)
3 Species Composition
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: 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

OGC - opening number valid for BCGS mapsheet ZOPA - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

*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 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
B	BALSAM
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweede Juniper
L	LARCH
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pine
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Western White Pine
Pwa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Spruce Hybrid
Sxe	Engelmann x White
Sxl	Spruce Hybrid
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Ds	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ac	Hybrid Poplar
At	Trembling Aspen
R	ARBUTUS
Ra	Pacific Madrone
E	BIRCH
Ea	Alaska Paper Birch
Ep	Alaska Paper Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vf	Fire Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
W	WILLOW
Wa	Pacific Willow
Wb	Pacific Willow
Ww	Peachleaf Willow (Bentley's)
Wp	Peachleaf Willow (Trembling leaved)
Wr	Scouler's Willow
Wr	Sitka Willow (tea-leaved)

EXOTICS

Ux	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Act	Southern Cottonwood
E	BIRCH
Ep	European Birch
Ej	Small Birch (swamp)
Ej	Yellow Birch
Ux	CHERRY
Uc	Sweet Cherry
C	CYPRESS
Cw	Western Red Cedar
F/B	Alberta Fir
Bs	Balsam Fir
Bn	Noble Fir
Bm	Whatlis Red Fir
Bi	White Fir
L	LARCH
Lk	Dunkeld Larch
Le	Siberian Larch
MH/LE	HEMLOCK
Mh	Mountain Hemlock
Mb	Bigleaf Maple
Mp	Pacquemore Maple
O	OAK
Qg	Kingkish Oak
Qw	White Oak
OTHER EXOTICS	
Ot	Other Exotics
Qe	Giant Sequoia
Qs	Coast Redwood
Ou	Unknown Exotic Ash
Os	Siberian Elm (southern)
Of	Common Pear
Ow	Black Walnut
Ow	White Ash
Oh	Shagbarck Hickory
Ob	Butternut
Ja	Japanese Walnut
PINE	
Pm	Austrian Pine
Pn	Red Pine
Py	Sugar Pine
Pa	Swiss Pine
Ps	Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-80
4	81-80
5	81-100
6	101-120
7	121-140
8	141-200
9	201 +

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

All SI are known to the nearest metre referenced at 50 years breast height Age. SI is based on the age and height of the dominant and co-dominant trees. SI is estimated when both age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees arent present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the estimated site index. Site Index is the 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 = to1 tree metres.
- sw 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bs 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
- el Exposed Land
- ss Snow - Seasonal
- si Snow - Ice

NON-VEGETATED CATEGORIES (for V and I records)

bl	BEDROCK	gl	LAKES, PIT	mu	MUDFLAT SEDIMENT
bo	BOULDERY	gr	LAKES, PIT	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
bu	BURNED AREA	lf	LAVA FLOW	oi	OCEAN ICE
bu	BURNED AREA	lp	POND w/ LEASE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
cb	CUTBANK SPOILS	mo	MORAINE	ri	RIVER / STREAM
gl	GLACIER		Note: Water polygons (lk, rk, ri, rv) labelled over 99 percent coverage.		

rm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
rd	ROAD SURFACE
ta	TALUS
ti	TAILINGS
ur	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST Opecies	NPBR	NON PRODUCTIVE BRUSH
B	BARREN	NPBS	NON PRODUCTIVE BLUFF
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST dpecies
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
OR	OPEN RANGE	OR	OPEN RANGE
OT	OTHER	R	ROCK
M	MEADOW	R	ROCK
MUD	MUD FLAT	SWAMP	

MUD	MUD FLAT
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NPBR	NON PRODUCTIVE 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
For description of disturbance type designates category, refer to official code list for sub-category descriptions.

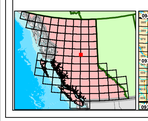
A	Animal Damage	L	Logging
B	Wildfire	N	Non-Fire Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
	Insects		
R	Site Rehabilitation		
S	Silvicultural		
U	Damage Unknown		
V	Problem Vegetation		

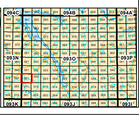
Example Opening History Details

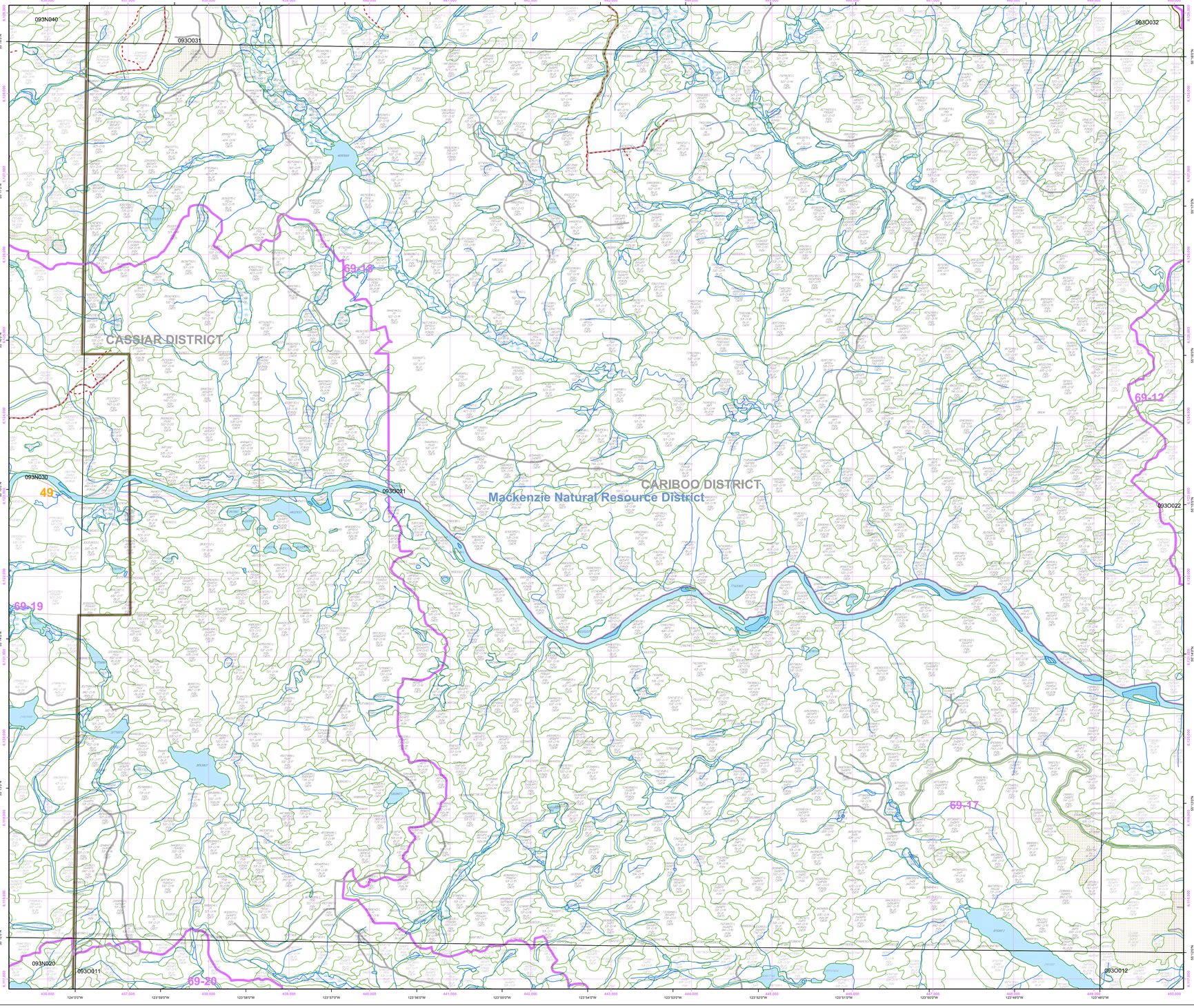
Detailed Silviculture information is available on the BCGW through MAPVIEW software. The MapView example is of the RESULTS data.

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
OPENING - TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH







Overflow Labels

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