Vegetation Map
093N065

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 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
- Structure Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM_Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railway
- Airf/Helos
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/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:

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    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, 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 Cover 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.
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Line 1 - History Record Opening Number

cut - opening number valid for BCGS mapsheet *non* - 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 labelled 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

C	CEDAR
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
Hxm	Interior 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 (interior)
Plg	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pw	Western White Pine
Pyi	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sel	Engelmann x Sitka
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x unknown hybrid
YEW	
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
A	Red Alder
U	APPLE
Up	Pacific Crab Apple
E	ASPEN, COTTONWOOD or POPLAR
Ac	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
Ep	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ey	Yellow Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
Kp	Cascara
C	CHERRY
Cv	Choke Cherry
Cy	Pin Cherry
D	DOGWOOD
Dp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
G	OAK
Gg	Garry Oak
H	WILLOW
Hh	Basket Willow
Hp	Pacific Willow
Hpg	Pacific Willow (Barclay's)
Hw	Peasy Willow (grey-leaved)
Hh	Scouler's Willow
Hl	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

U	APPLE
Ux	APPLE
E	ASPEN, COTTONWOOD or POPLAR
Ax	Southern Cottonwood
V	BIRCH
Ea	European Birch
Ey	Silver Birch (swamp)
Ey	Yellow Birch
C	CHERRY
Cv	Choke Cherry
Y	CYPRESS
Yp	Port Orford Cedar
F	DOUGLAS FIR
Fdc	Fd/Bam Fd
Bg	Noble Fir
Bl	Subalpine Red Fir
Bm	White Fir
L	LARCH
Le	Dahurian Larch
Lk	European Larch
M	MAPLE
Me	Box Elder
Mn	Norway Maple
Mp	Purpleleaf Maple
G	OAK
Gc	English Oak
Gr	Red Oak
O	OTHER EXOTICS
Oc	Incense Cedar
Ob	"Giant Sequoia
Ob	Coastal Redwood
Oz	European Mountain Ash
Ow	Siberian Elm (southern)
Oy	Monkey Puzzle
Og	Oregon Ash
Oh	White Ash
O	Shagbarck Hickory
Q	Tree-of-heaven
Ow	Walnut/ Walnut Hybrid
P	PINE
Pm	"Monterey Pine
Pn	Austrian Pine
Pa	Ponderosa Pine
S	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)
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

4d SI are shown as the nearest metric referenced at 50 years Breast Height Age. SI is based on the age and height of the leading stand. Site curves for several 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 exmist present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Associated data 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, LOW - shrub with average shrub height < or = two metres.
sh	SHRUB, LOW - shrub with average shrub height > two metres.

NON-TREED HERB

hg	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

bx	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 - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	i	ICE FIELD	o	OCEAN SPRAY SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
br	BEDROCK	li	LANDING	ot	OTHER
ds	DELTA/AREA	ls	LAKE/LAKE SEDIMENTS	pl	POWERLINE/ROW
cs	CUT/BANK	ow	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	rm	MORAINE	r	RIVER / STREAM
g	GLACIER				

Note: Water categories (e, ow, or, re) will labelled over 50 percent coverage.

rn	RESERVOIR MARGIN				
rp	RIVER SPOILS				
rs	RIVER SEGMENTS				
rz	ROAD SURFACE				
s	SAND				
ta	TAILINGS				
ur	URBAN				

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BR	BRUSH	NPBS	NON PRODUCTIVE BSHRUB	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
ICE	ICEFIELD	R	ROCK/RUBBLE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	rr	rock/rubble	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	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.

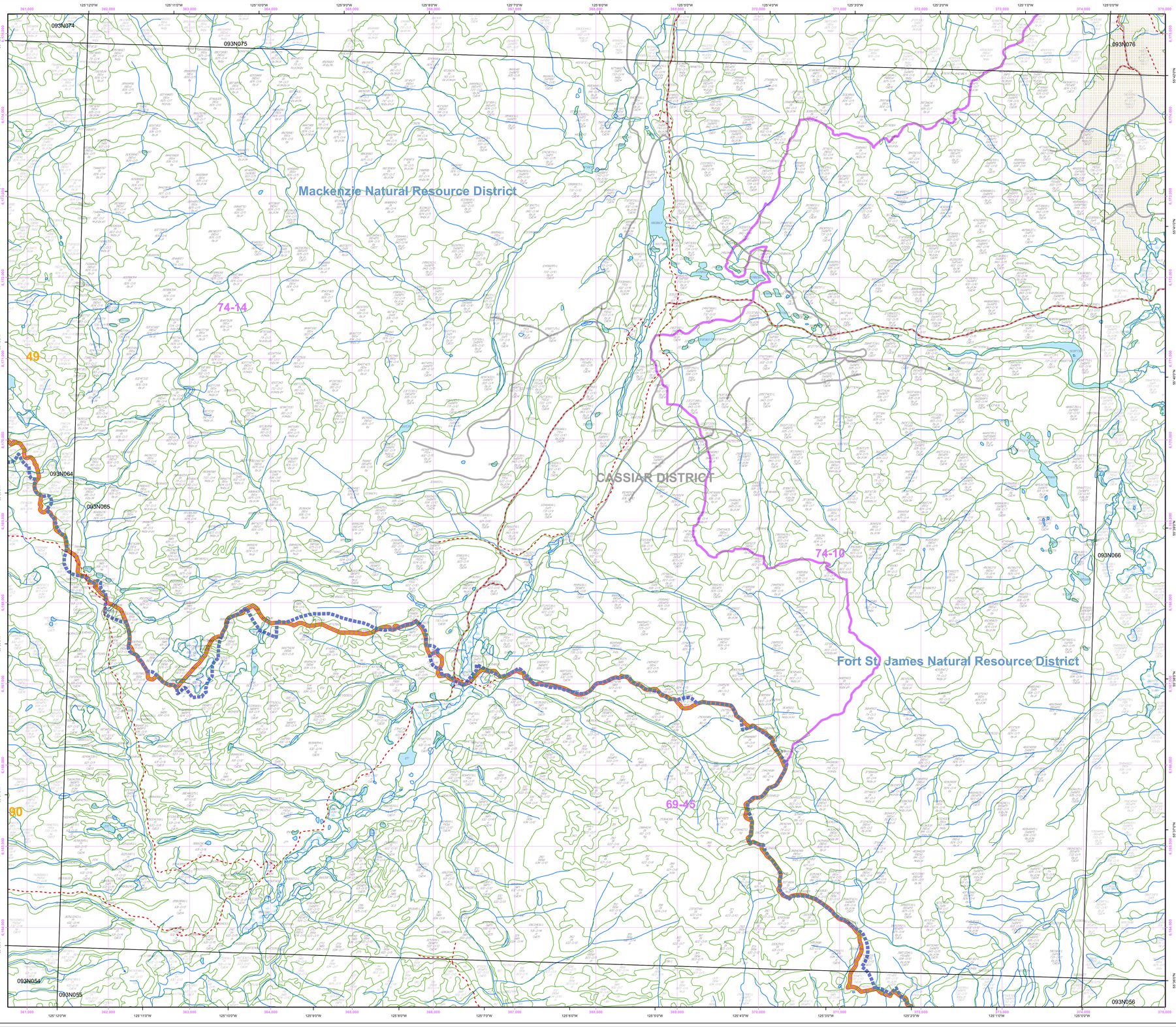
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Disease	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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 VIEWER 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
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH



Overflow Labels