Vegetation Map
094G046

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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GY3)
- 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
- Hydr/Nat/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:

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 (Dougla 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 Site Series / Ecosystem Type / Biogeoclimatic Description
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

C10 / 094G 079 / 2 / Fd60Hw30Cw10 / 2m1 / 0 / D78

Line 1 - History Record Opening Number

C10 - opening number valid for BCGS mapsheet ZOPP - 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 dated 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)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jc	Rocky Mtn. Juniper
Jr	Soosize Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Pine (White)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ua	Pacific Crab-Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
R	ARBUTUS
Rm	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Exa	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bankby's)
Ww	Pussy Willow (gray-leaved)
Wr	Red Willow
Wf	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

	APPLE
Ua	Apple
	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
	BIRCH
Ea	European Birch
Ep	Paper Birch (swamp)
Ey	Yellow Birch
	CHERRY
Vs	Sweet Cherry
	CYPRESS
Yp	Monterey Cypress
	FIR (Balsam)
Bb	*Balsam Fir
Bn	*Nikko Fir
Bs	*Shasta Red Fir
Bc	*White Fir
	LARCH
Ld	*Dahurian Larch
Ls	*Siberian Larch
	MAPLE
Mk	Box Elder
Mn	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qw	*White Oak
	OTHER EXOTICS
Ow	*Incense Cedar
Ob	*Giant Sequoia
Oc	*Coast Redwood
Oa	European Mountain Ash
Oe	Siberian Elm (southern)
Ot	Common Pear
Og	Oregon Ash
Ol	*Osage Orange
Oj	*Shagbuck Hickory
Oj	Tree-of-Heaven
Ow	Japanese Walnut
	PINE
Pm	*Monterey Pine
Pr	*Red Pine
Ps	*Sugar Pine
Pp	*Swiss Pine
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 TREE
All SI is shown in 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 height, estimated SI is known after, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees arenot present; e.g. young stands (<30yrs). It is denoted by a slash which always precedes it. Associated fields 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 record4)

NON-TREED SHRUB
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- sd 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
- by 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 - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I record4)

ap	AIRPORT	gp	GRAVEL PIT
bl	BEACH	la	LAKE
br	BLOCKFIELD	lb	LAVA BED
br	BEDROCK	lf	LANDING
ds	DELTA SEDIMENTA	lk	POND or LAKE SEDIMENTS
ds	OUTWASH	mi	MINE / MINING
ex	EXPOSED SOILS	mn	MORAINE
gl	GLACIER	mu	MUDFLAT SEDIMENT
mv	MUSKEG / MIND SPOILS		
oc	OCEAN		
ot	OTHER		
rc	ROCK COVER		
re	RESERVOIR		
ri	RIVER / STREAM		
rm	RESERVOIR MARGIN		
rr	RAILWAY SURFACE		
rs	RIVER SEDIMENTS		
rz	ROAD SURFACE		
sn	SNOW		
tz	TAILINGS		
ur	URBAN		

Note: Water categories (la, ac, re, ri) not labelled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F record4)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
B	BURN	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	HAYFIELD
L	LAKE/POND	R	ROCK
MUD	MUDFLAT	S	SWAMP
BAND	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 preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

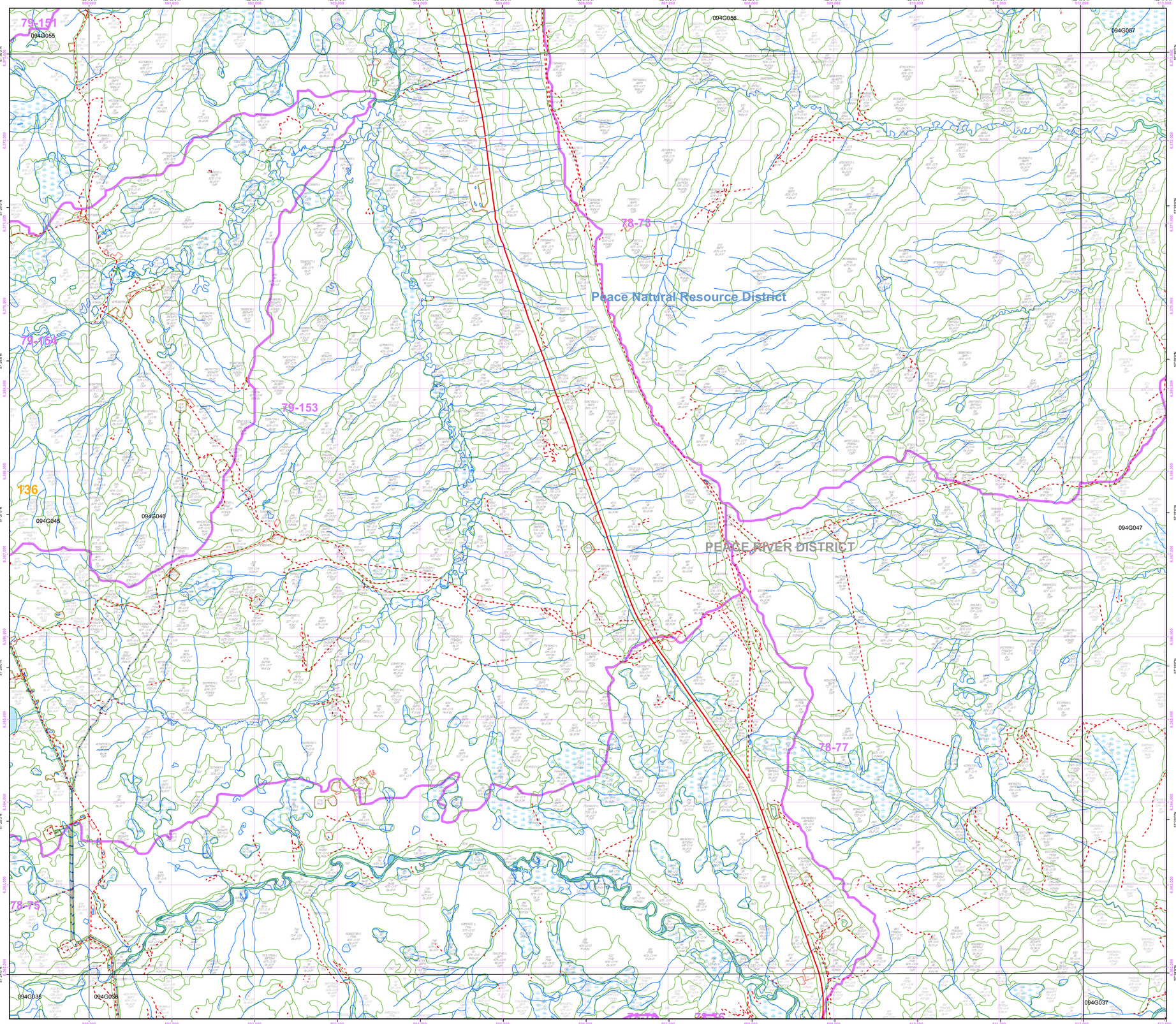
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mine Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

Example Opening History Details

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

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. From the SILVICULTURE tab then click on "Display Silviculture Data" 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

094G046