Vegetation Map
082N006

Scale: 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS2i / 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 displayed on this map is not to be used for navigation. Some 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
- Sensitive Opening in Vegetation
- Permanent Sample Plot (SYIL)
- Research Installations

TRIM - Base Features:
- Ice & Rock Polygons
- Forest / Forest Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MV 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 (< 1:600,000 Nat - 15 % hatch)
- Municipal Boundary (> 1:600,000 Nat - 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 Structure symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
4 Age, Height, Crown Closure Class Code - separator : S (tie index / estimated S1)
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10 mt), crown closure class 1 (6-15%), S1 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
6 Disturbance History - separator = between forest fires and gra/mine/oils, shrubs less that 2m.
7 Disturbance History & year - ex. Logged in 1979

Line 1 - History Record Opening Number:

0121 - opening number valid for BCGS mapsheet
0000 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer:

VRIMS Polygon Number - ranging from one to nine digits
Multi-layered stands is separate description of each layer is available in the data base, i.e. 1, 2)

Line 3 - MC 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	Yellow Cedar
Yc	Alaska Cedar
Cd	Douglas Fir
Fd	Douglas Fir
Fc	Coastal Douglas Fir
Fi	Interior Douglas Fir
F	FIR (Balsam)
Bl	Subalpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Bm	Amabilis Fir/Balsam
Hw	Western Hemlock
Hm	Mountain Hemlock Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jc	Common Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lt	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pp	Ponderosa Pine (yellow)
Pw	Shore Pine (scrub)
Pa	Whitebark Pine
Pa	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sw	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sxe	Spruce Hybrid
Sxe	Engelmann x White
Sxw	Spruce Hybrid
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Alder
E	EARLY DW Aspen
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ae	Balsam Poplar
Ac	Black Cottonwood
Av	Hybrid Poplars
Ax	Hybrid Poplars Acton
K	BIRCH
Ba	Alaska
Bb	Birch
Bp	Alaska Paper Birch
Bpx	Alaska x Paper Birch hybrid
Bw	Water Birch (Red)
Bw	Water Birch
K	DOGWOOD
Kp	Pacific Dogwood
M	MAPLE
Mb	Bitter Cherry
Mv	Vine Maple
Mv	Pin Cherry
G	GOOSEBERRY
Gs	Black Gooseberry
R	RIBES
Rx	Hybrid Ribes (crosses)
Rh	Hairy Ribes
S	WILLOW
Sr	Red Willow
Sw	Pacific Willow
Swa	Peachleaf Willow (Bankside)
Swb	Bebb Willow (Bankside)
Sx	Scouler's Willow
Sh	Sitka Willow (low bankside)

UNKNOWN - OTHER

X	unknown hardwood
Xc	unknown conifer
Xx	unknown broadleaf
Xh	shrub (does not form)
Xc	other conifer
Xx	other hardwood

EXOTICS

AP	APPLE
Ax	Apple
Ac	Black COTTONWOOD or POPLAR
Ac	Poulton Cottonwood
B	BIRCH
Bc	European Birch
Bs	Silver Birch (exotics)
Fg	Green Ash
CHERRY	
Cp	Pincherry
CYPRESS	
Yt	Mint Julep Cedar
Yx	Cedar
P	PINE
Pa	Austria Fir
Pf	Noble Fir
Pm	Monterey Pine
Pp	Ponderosa Pine
LARCH	
Lk	European Larch
Lx	Siberian Larch
MAPLE	
Mr	Red Maple
Mm	Norway Maple
Mp	Sycamore Maple
OAK	
Qg	Garry Oak
Qr	Red Oak
OTHER DECIDS	
Dc	Chestnut
Dg	Gleditsia
Dr	Coast Redwood
Dw	Giant Redwood Ash
Dx	Exotic Deciduous
Df	Common Pear
Dm	Mountain Ash
Dp	Chokecherry
Dl	Shagbark Hickory
Dw	Black Walnut
Dj	Japanese Walnut
PINE	
Pc	Monterey Pine
Pr	Red Pine
Ps	Sugar Pine
Pw	White Pine
Pwx	White Pine x

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 - 27.4
4	27.5 - 34.4
5	37.5 - 44.4
6	45.5 - 53.4
7	55.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	0 - 5
7	6 - 15
2	16 - 25
3	26 - 35
4	36 - 45
5	46 - 55
6	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d SITE INDEX

All SI are known to the nearest metre referenced at 50 years breast height age. SI values are given in metres. Species with leading symbols, should not exceed SI symbol as the reference age and height estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. recently logged, burned, or young stands. Species with leading symbols should not exceed the SI in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records:

VEGETATED NON-TREE CATEGORIES (5a=V and L type only)

NON FORESTED SHRUB
- sl SHRUB TALL - shrub with average shrub height >= 4 to less metres.
- sm SHRUB LOW - shrub with average shrub height < two metres.

NON FORESTED HERB
- h HERBS - herb with no distinction between forbs and grasses.
- f HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON FORESTED MOSS
- m MOSS - moss with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- lm BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES (5a=V and L type only)

w	WATER	r	ROCK	mu	MUDFLAT SEDIMENT
be	BEACH	sl	LAKE	mv	MUDDY WAVE SPOILS
b	BLOCKFIELD	s	LAKEBED	o	OTHER
bl	BLUFF	sw	SWAMP	x	UNKNOWN
ta	TALUS/SCREE	sa	SAND and GRAVEL SEDIMENTS	ri	RIVER
g	GLACIER	sn	SNOW and ICE	rr	RIVER/STREAM
gr	GRAVEL/SOILS				
gl	GLACIERS				

rm	RESERVOIR MARGIN
rw	RAILWAY SURFACE
rd	ROAD SEDIMENTS
rs	ROAD SURFACE
ts	TAILINGS
u	URBAN

Note: these categories (e.g. su, ru, rs) not tabulated over 50 percent coverage.

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (5a=F records)

AF	ALPINE FIR	MRSH	MARSH
AT	ALPINE TUNDRA/ Species	MPBD	NON PRODUCTIVE BRUSH
C	CULTIVATED	MPBS	NON PRODUCTIVE BURN
CL	CLEARING	MPD	NON PRODUCTIVE FOREST / Species
GB	GRAVEL BAR	NCL	NON COMMERCIAL
GR	GRAVEL PIT	NDB	NON DOMINIUM BRUSH
L	LOGGED	NFL	NON FOREST LAND
M	MEADOW	NSP	NOT SUFFICIENTLY RESTOCKED
WO	WOOD YEAR	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.

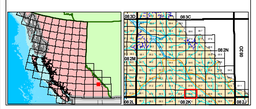
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seeding Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Protects Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either ISIP or ArcMap. The MapView 4 extention is of newest 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 the "Display Silviculture Maps" to turn on display values for:

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



082N016
082N017
082N007
082N006
082N096
082K096
082K097
TFL14
ROCKY MOUNTAIN NATURAL RESOURCE DISTRICT
KOOTENAY DISTRICT
41.21
40.40
41.41
129
Overflow Labels