082N076

Vegetation Map
082N076

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS1: Ownership
Base Map Source: TRIM / Terrians

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 info rmation portrayed may not be complete and or up to date Cadastral, administrative boundaries and the Owne rship colour the me are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Feature s:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research installations

TRIM_Base Feature s:
- 4x4 trail Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fairways
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkvdfeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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 (< 1000.000 ha - 15% hatch)
- Municipal boundary (> 1000.000 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    1. Opening Number and Opening Number
 2    2. Polygon Number and multi-layer stand indicator (L)
 3    3. Species Composition
      ex. the most important layer is described as Fd (Dougla Fir) and Hw (Western Hemlock).
 4    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    5. Vegetated Density Class (or Non Forest/Productive Description)
      ex. a Non polygon is a transition between forbs and graminoids, shrubs less that 2m.
 6    6. Disturbance History & year - ex. Logged in 1978
```

Line 1 - History Record Opening Number

OLDP - opening number valid for BCGS mapsheet *DDDD* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

XRMS 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

Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Bg	Grand Fir
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hx	Hybrid Pacific x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Plc	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Pxj	Lodgepole x Jack Pine hybrid
Pxs	Lodgepole x Sitka hybrid
Pyl	Shore Pine (coastal)
Pw	Western White Pine
Pf	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Hybrid Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Sxglaucum x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Dr	Red Alder
U	APPLE
Ua	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ad	Black Cottonwood
Ae	Trembling Aspen
At	Trembling Aspen
E	ARBUTUS
Ep	Pacific Dogwood
B	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
K	Red Birch
C	Cascara
V	DWEBRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Unknown
W	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Big Leaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Feltleaf Willow (Barclay's)
Ww	Pussy Willow (grey leaved)
Ws	Scouler's Willow
Wy	Willow (one leaved)

UNKNOWN

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

EXOTICS

Ue	ASH
Uea	ASPEN, COTTONWOOD or POPLAR
Aa	Norway Cottonwood
Ba	Balsam
Be	European Birch
Bs	Silver Birch (swamp)
By	*Yellow Birch
Uc	CHERRY
Vs	Sweet Cherry
Y	CYPRESS
Yo	*Port Orford Cedar
F	FIR (Exotic)
Fb	*Balsam Fir
Bp	Noble Fir
Fg	*Grand Fir/Red Fir
Fr	*White Fir
L	LARCH
Ld	*European Larch
Lj	*Siberian Larch
MAPLE	
Mr	Box Elder
Mr	*Norway Maple
Mp	*Japanese Maple
OAK	
Qa	*English Oak
Qr	*Red Oak
OTHER EXOTICS	
Cv	*Incense Cedar
Cl	*Western Larch
Cr	*Coast Redwood
Ov	European Mountain Ash
Ou	Showy Mountain Ash
Ut	Common Pear
Og	Oregon Ash
Ot	*White Ash
Oc	*Ringtree& Hickory
Ob	*Black Walnut
Oj	Japanese Walnut
PINE	
Pm	*Monterey Pine
Pn	*Red Pine
Ps	*Sugar Pine
Sa	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 - 44.4
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 shown to the nearest metre referenced at 50 years breast height age. SI are shown as a whole number (i.e. no trailing decimal). Where an actual per 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 cannot present, e.g. understory trees, or trees are too young. The SI source code provides it Associated Metadata 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 FREED SHRUB
- S - SHRUB TALL - shrub with average shrub height > or = to two metres.
- SHRUB LOW - shrub with average shrub height < two metres.

NON FORBS
- Nv HERB - herb with no distinction between forbs and graminoids.
- H HERB - FORBS - herb with forbs > 50% of the herb cover.
- Hg HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON FREED BRYOID
- B - BRYOID - bryoid with no distinction between mosses and lichens by cover.
- Bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornwort > 50% of the bryoid cover.
- Bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- Rs Rock / Rubble
- w Water / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gr	GRAVEL PIT	mv	MUDFLAT SEDIMENT
bs	BEACH	la	LAKE	mz	ACIDIC MINE SPOILS
bl	BUCKYBALL	lk	LANDING	o	OTHER
cb	CUTBANK	ls	LAKE SEDIMENTS	p	OTHER
bu	BURNED AREA	n	POND or LAKE SEDIMENTS	pi	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	r	RESERVOIR
rs	ROCK/TALUS/SOILS	mn	MORAINE	rd	ROAD / TRAM
gl	GLACIER				

Note: Water categories (la, ls, n, r) not labelled over 50 percent coverage.

rm	RESERVOIR MARGIN	sand	SAND
rw	RAILWAY SURFACE	tidf	TIDAL FLAT
sl	SALT MARSHES	u	URBAN
w	ROAD SURFACES		
s	TALUS		
t	TAILINGS		
u	URBAN		

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

A	ALPINE	NP	NON PRODUCTIVE
AT	ALPINE TREES (Species	NPBR	NON PRODUCTIVE BRUSH
B	BARE	NPBU	NON PRODUCTIVE BURN
C	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
M	MEADOW	P	HAYFIELD
MS	SEEDED	S	SWAMP
MUD	MUDFLAT		

SAND	SAND		
TIDF	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NR	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.

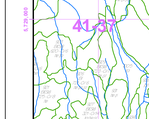
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
E	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

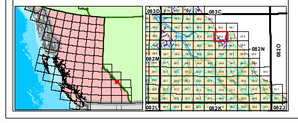
Example Opening History Details

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 RESULTS 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





082N085 082N086 082N087
082N075 082N076 082N077
082N065 082N066 082N067

41-41 41-40 41-37 41-38 41-39

Selkirk Natural Resource District

143 KOOTENAY DISTRICT

Overflow Labels

082N076

082N076