082N033

Vegetation Map
082N033

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / 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 Feature s:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research installations

TRIM Base Feature s:
- Rock Bluffs
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Cover - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV. 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:

OP1 ESA FdHw 28 20 Ro08

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 (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: 28 years old (class 2), 20 metres tall (class 5), 10-24% (40-49 cm), 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

OP - opening number valid for BCGS mapsheet NUM - opening number has not been assigned

Line 2 - Polygon No / Multi-layer

VRMS Polygon Number - ranging from one to nine digits
A - 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	Nootka Cypress
F	DOUGLAS FIR
Fd	Douglas Fir
Fc	Coastal Douglas Fir
Fm	Interior Douglas Fir
B	FIR (Balsam)
Ba	Subalpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetie Juniper
L	LARCH
La	Subalpine larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Pli	Lodgepole x Pine (yellow)
Pla	Lodgepole x Jack Pine hybrid
Pli	Shore Pine (coast)
Pw	Western White Pine
Pyb	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxw	Spruce hybrid
Sxw	Engelmann x White
Sxs	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ax	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ea	Alaska Paper Birch
Ew	Alaska Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Xc	Cascara
V	DOGWOOD
Vn	Pacific Dogwood (western flowering)
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bertram's)
Ww	Piuka Willow (gray leaved)
Wr	Scouler's Willow
Wy	Yellow Willow (black leaved)

UNKNOWN - OTHER

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

EXOTICS

Ua	APPLE
Ax	ASPEN, COTTONWOOD or POPLAR
Act	Black Cottonwood
E	BIRCH
Ea	European Birch
Ep	Paper Birch (Europe)
Ey	Yellow Birch
CHERRY	
Ck	Mahaleb Cherry
CYPRESS	
Yo	* Port Orford Cedar
FIR (Balsam)	
Bb	* Balsam Fir
Bn	* Nikko Fir
Bm	* Veitch's Red Fir
Bc	* White Fir
LARCH	
Lk	* Dahurian Larch
Lo	* Siberian Larch
PINE	
Pc	Scot Silver
Ph	* Norway Maple
Pn	* Japanese Maple
Other	
Qe	* English Oak
Qw	* White Oak
OTHER DECIDUOUS	
Oc	* Golden Catkin
Oj	* Japanese Walnut
PINE	
Pm	* Monterey Pine
Pr	* Red Pine
Ps	* Sugar Pine
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

All SI are shown to the nearest metre referenced at 50 years breast height age. SI are estimated for all species, but only for leading species. Where an actual site 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 aren't present, e.g. young stands, deciduous, etc. The SI is derived from the species 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 records)

NON-T REED SHRUB
- S - SHRUB - shrub with average shrub height > or = to two metres.
- SH - SHRUB (Tall) - shrub with average shrub height < two metres.

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

NON-T REED BRYOID
- B - 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
- R - Bedrock
- Rr - Rock / Rubble
- Ss - Snow / Ice

NON VEGETATED CATEGORIES (for I records)

ab	AIRPORT	gp	GRAVEL PIT
bl	BOULDERS	ic	ICEFIELD
bk	BOOCHEILO	L	LANDSLID
br	BEDROCK	l	LANDING
bu	BURNED AREA	o	POND or LAKE SEDIMENTS
cb	CUTBANK	op	OPEN PIT MINE
dy	DRY (rocky) SOILS	rm	MORAINE
gl	GLACIER		

mu	MUDFLAT SEDIMENT
ms	MUNICIPAL WASTE SPOILS
or	OCEAN
rf	OTHER
pr	SNOW COVER
rv	RIVER / ESTUARY
rs	RESERVOIR MARGIN
rd	ROAD SURFACE
s	TALUS
w	WATER BODIES
u	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE
AT	ALPINE TUNDRA	NPBR	NON PRODUCTIVE BRUSH
BE	BEACH	NPC	NON PRODUCTIVE CLIFF
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST <Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
HE	HERB	OR	OPEN RANGE
ICE	ICEFIELD	R	RIVER BED
M	MEADOW	S	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NP	NON PRODUCTIVE
NSR	NOT SUFFICIENTLY 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
C	Climatic	M	Mfrs Damage
D	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	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 ILWIS.sp. The MapView example is of themed 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
- ACTIVITY TREATMENT UNIT
- SILVICULTURE
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH


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082N
082N032
082N033
082N034
082N022
082N023
082N024
082N042
082N043
082N044
082N
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082N