Vegetation Map
082E046

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 / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to facilitate the legal description of Crown land in British Columbia. The primary purpose of this map is to provide a base for surveyors and is not to be used for administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2015

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (SYP)
- Research Installations

TRIM - Base Features:
- Forest Fence-Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Ski Runways
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - 50M
- Watercourses - 50M
- Waterbodies - 50M
- Wetlands - 50M
- Glacier - 50M

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- Mnt. 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 (1:1,000,000 for, 1 to 5 hectic)
- Municipal boundary (1:1,000,000 for, no hectic)
- 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 multilayer stand indicator (c)
3 BC Tree Code Label
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
5 Vegetated Cover Code - separator: Non-Forested Code - separator: Inventory Attribute class 1 (E-15%), SI 20m
6 Vegetated Density (or Non-Forest/Productive Description)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
7 Disturbance History (year) - as logged in 1979

Line 1 - History Record Coping Number

opening number valid for BCGS mapsheet ..... 0XXX - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits
c Multi-layered stand (a secondary description of each layer is available in the data base, i.e. 1.2)

Line 3 - BC Tree Code List

Species Composition - Species are listed 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	Coastal Douglas Fir
Fm	Interior Douglas Fir
H	HEMLOCK
Hw	Western H
Hm	Mountain H
Bg	Grand Fir
Ba	Amabilis Fir (Alpine)
Pl	PINE/CON Variety
Ac	Shore Pine
Pw	Western White Pine
Pa	Whitebark Pine
Pf	Limber Pine
S	SPRUCE
Sx	Hybrid Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sb	Black Spruce
Sxw	Hybrid White Spruce
Sxl	Hybrid Spruce
Sxs	Sitka Spruce
Lw	Western Larch
Lt	Tamarack
Lx	Hybrid Larch
Ll	Lyall's Larch
Pj	Jack Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole Pine (hybrid)
Pxj	Ponderosa Pine (jelecote)
Pp	Ponderosa Pine
Pw	Western White Pine
Pyc	Pacific Yew
B	BROAD
Bl	Black Spruce
Bw	Western Balsam
Be	Alpine Balsam
Bb	Subalpine Fir
Bxw	Hybrid White Spruce
Bxl	Hybrid Spruce
Bxs	Sitka x Unknown hybrid
Bxe	Engelmann x White
Bx	Balsam Hybrid
Ba	Amabilis Fir

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	ARBUTUS
At	Pacific Madrone
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Ac	Black Cottonwood
Ap	Balsam Poplar
Ae	Trembling Aspen
M	MAPLE
Mb	Bigleaf Maple
Mv	Vine Maple
R	ALDER
Dr	Red Alder
Ma	Mountain Maple
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wr	Pacific Willow
Wx	Hybrid Willow (Undistrib)
Wd	Pussy Willow (grey leaved)
Wy	Scouler's Willow
Wb	Sitka Willow (low leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown low shrub
Xs	other hardwood

EXOTICS

Ap	APPLE
Ax	Apple
Ay	APPLE, COTTONWOOD or POPLAR
Ay	Hybrid Cottonwood
BB	BIRCH
Bp	European Birch
Bn	Asian Birch (diversity)
Bg	Yellow Birch
Bx	Birch Hybrid
Ch	Sweet Cherry
CY	CYPRESS
Cy	Monterey Cedar
Cyl	Leyland Cypress
EE	ELM (Exotic)
Eu	Noble Fir
Ep	Grand Fir x
Ew	White Fir
LW	LARCH
Lk	Japanese Larch
Lx	Hybrid Larch
MA	MAPLE
Mn	Norway Maple
Mr	Norway Maple
Mx	Norway Maple Hybrid
OH	OAK
Oh	English Oak
Or	Red Oak
OTHER EXOTICS	
Ch	Sweet Chestnut
Ch	Hybrid Sweet
Cr	Coast Redwood
Dm	Dawn Redwood (Ext)
Dm	Dawn Redwood
Ge	Ginkgo (Maidenhair)
Gy	Grayco Ash
Hx	Hybrid Ash
Lt	Tulip Tree
Lt	Tree of heaven
Ma	Manitoba Maple
Pa	Norway Pine
Pn	Austrian Pine
Pp	Regal 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	101-140
7	141-180
8	181-220
9	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 13.4
3	13.5 - 22.4
4	22.5 - 31.4
5	31.5 - 40.4
6	40.5 - 49.4
7	49.5 - 54.4
8	55.5 +

4c. CROWN CLOSURE CLASS

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

4d SITE INDEX
Site index is the stand height achieved at 50 years breast height age. Site index is usually based on height measurements of dominant trees. The site index is estimated to the nearest tenth of a metre and recorded to three digits with height estimated to the nearest whole, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren't present, e.g. young stands, recently logged areas. SI is estimated from adjacent stands of similar ecology, or from site series information. Interpolated tables in the data base are from the Tyler Group and SI Estimator source code.

Line 5 - Vegetation Records

VEGETATED NON-TREE CATEGORIES - (for V and I over H)

NON-TREED SHRUB
- S SHRUBTALL - shrub with average shrub height > or = to two metres.
- Z SHRUBLOW - shrubs with average shrub height < two metres.

NON-TREED HERB
- H HERB - herb with no distinction between forbs and graminoids.
- Hf HERB - FORB/GRAMINOID - herb with forbs > 50% of herb layer.
- Hg HERB - GRAMINOID - herb with graminoids > 50% of herb layer.

NON-TREED BRYOID
- By BRYOID - bryoid with no distinction between mosses and lichens by cover.
- Bm BRYOID - MOSS/LICHEN - mosses (moss) and lichens (lichen) > 50% of the bryoid cover.
- Bl BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES - (for I and over H)

A	AIRPORT	G	GRAVEL PIT
B	BEACH	I	ICE
C	BOG/MUSKEG	L	LAKE
D	BOG/MOOR	N	LANDING
E	BOG/MOOR AREA	O	LANDING AND SEGMENTS
F	CITY/MAJOR TOWN	P	OPEN WATER
G	CITY/MAJOR TOWN	Q	QUARRY
H	DUNE/SAND	R	RIVER/STREAM
M	MUDFLAT SEDIMENT	W	RESERVOIR MARGIN
N	NON-FORESTED ROAD	X	RESERVOIR SEDIMENTS
O	ROCK	Y	RIVER SEDIMENTS
P	SNOW COVER	Z	TALUS SURFACE
R	SNOW/ICE		URBAN
S	SNOW/ICE FIELD		UNKNOWN

Note: Water categories (lo, ow, rs, rl) not labelled on 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTIONS (for H or N)

A	ALPINE	NP	NON-PRODUCTIVE
B	BROKEN FOREST / Species	NPB	NON-PRODUCTIVE BRUSH
C	CLEARINGS	NPC	NON-PRODUCTIVE BRUSH
F	FOREST	NPF	NON PRODUCTIVE FOREST / Species
G	GRASS / BAR	NPG	NON PRODUCTIVE
H	HERB / MEADOW	R	ROCK
K	ICE / GLACIER	S	SAND
M	MEADOW	S	SNOW
W	WOODY	SAND	SAND
		SNOW	SNOW / ICE
NC	NON COMMERCIAL		
NCB	NON COMMERCIAL BRUSH		
NP	NON-PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NVM	NON VEGETATIVE MANMADE		

Line 6 - Disturbance History

Disturbance type code is preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

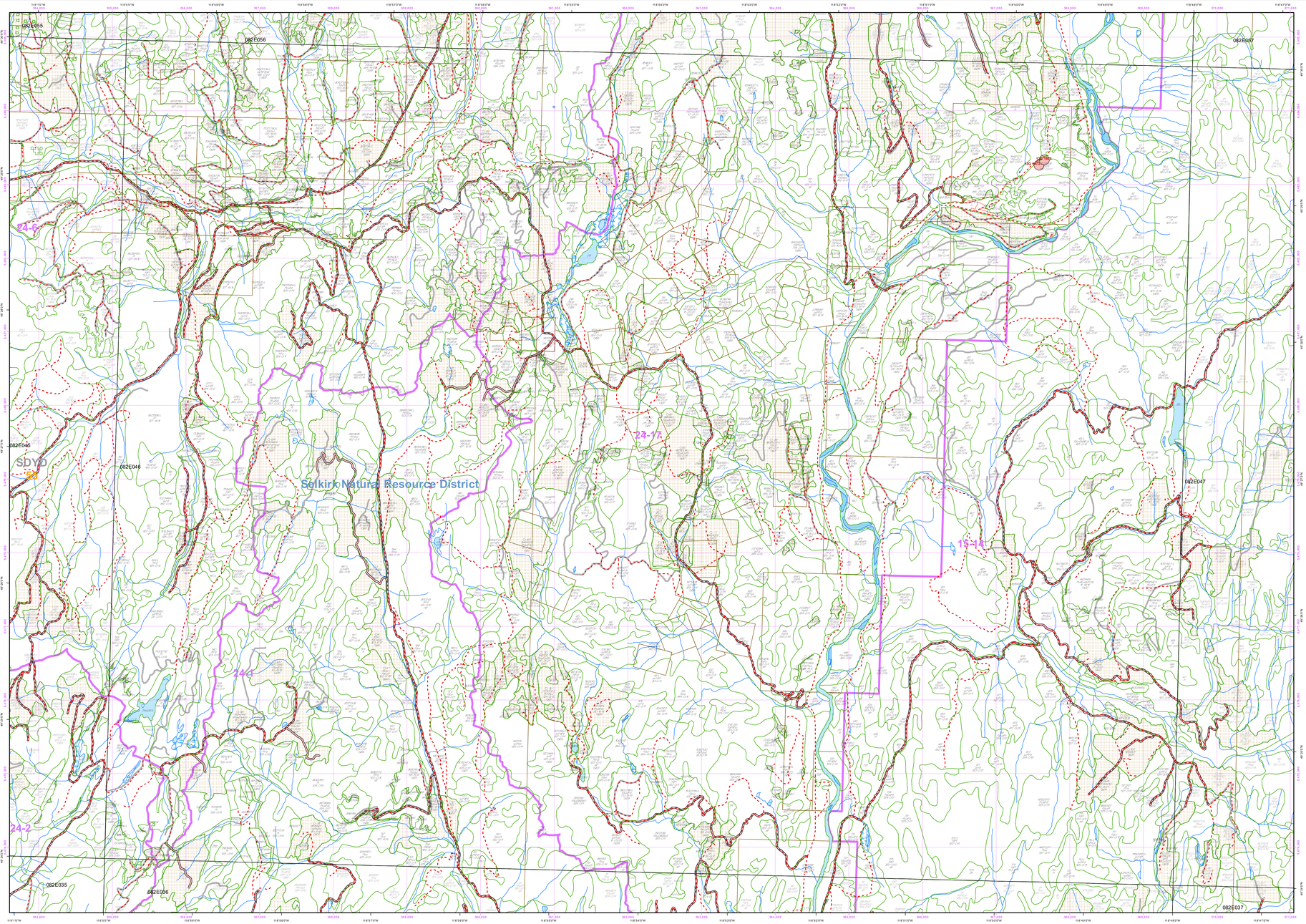
A	Animal Damage	L	Logging
B	Wildfire	N	Non-Biological Injuries
C	Cone and Seed Insects	O	Other Damage
D	Diseases	P	Core and Seedling Fungal Pathogens
	Insects	R	Road
		S	Silviculture
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either WF1 or ArcMap. The MapInfo example is otherwise NIL SILTS data.

The Ministry of Forests, Mines and Lands web application "Silviculture Treatments" has 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



Overflow Labels