Vegetation Map
093E065

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 (CFSI)
- 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
- Hydro/Avi/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - 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 (> 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 Opening Number and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fd (Douglis 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 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

- opening number valid for BCGS mapsheet
- 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)
Bi	Balsam
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmh	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plg	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pa	Whitebark Pine
Pw	Western White Pine
Pyi	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxe	Engelmann x White
Sxl	Sitka x White
Sxw	White x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ab	Balsam Poplar
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
H	ARBUTUS
Ha	Arbutus
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
Kc	Cascara
V	CHERRY
Vi	Choke Cherry
Vm	Mazzard Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Qg	Garry Oak
Qx	Oak hybrid
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bardsly's)
Wt	Pussy Willow (gray-leaved)
Ww	Scouler's Willow
Wy	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

U#	APPLE
Ua	*Common
A#	ASPEN, COTTONWOOD or POPLAR
At	*Southern Cottonwood
Ae	*Aspen
Eb	European Birch
Ek	Silver Birch (swamp)
Ey	*Yellow Birch
V#	CHERRY
Vs	*Pin Cherry
Y#	CYPRESS
Yo	*Port Orford Cedar
B#	FIR (Balsam)
Bb	*Balsam Fir
Bp	Noble Fir
Bm	*Shasta Red Fir
Bc	*White Fir
L#	LARCH
Ld	*Dahurian Larch
Le	*European Larch
M#	MAPLE
Me	Box Elder
Mr	*Red Maple
Ms	*Sycamore Maple
O#	OAK
Oa	*English Oak
Ow	*White Oak
OTHER EXOTICS	
Ch	*Incense Cedar
Ob	*Giant Sequoia
Oc	*Coast Redwood
Oz	European Mountain Ash
Os	Siberian Elm (southern)
Ot	Common Pear
Og	Oregon Ash
Ou	*Black Locust
Ot	*Shagbark Hickory
Oj	Tree-of-Heaven
Ow	*Japanese Walnut
P#	PINE
Pm	*Monterey Pine
Pc	*Corsican Pine
Ps	*Scots Pine
S#	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	101-140
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 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 shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot 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 record#s)

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- d SHRUB DWARF - 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 > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I record#s)

ap	AIRPORT	gp	GRAVEL PIT
be	BEACH	la	LAKE
bl	BLOCKFIELD	lb	LAVA BED
bu	BUILDING	li	LANDING
ca	CONSTRUCTION AREA	ls	LAKE or LAKE SEDIMENTS
cu	CUTBANK	mi	OPEN PIT MINE
ex	EXPOSED SOILS	mo	MORAINE
gl	GLACIER		

Note: Water categories (la, ls, rs, rl) not labelled over 90 percent coverage.

mu	MUCK/LAT SEDIMENT	rm	RESERVOIR MARGIN
mt	RUBBLY MINE SPOILS	rs	RAILWAY SURFACE
ri	RIVER	rd	ROAD SEDIMENTS
sn	SNOW	rd	ROAD SURFACE
pn	SNOW COVER	ta	TALUS
re	RESERVOIR	tl	TAILINGS
rl	RIVER / STREAM	ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F record#s)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
B	BARREN	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GE	GRASS/FORB	OP	OPEN WATER
ICE	ICEFIELD	H	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUD FLAT	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 preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

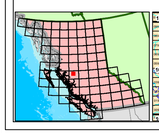
A	Animal Damage	L	Logging
B	Wildfire	M	Man Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

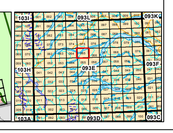
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. 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
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





127°12'0"W 619,000 127°11'0"W 620,000 127°10'0"W 621,000 127°9'0"W 622,000 127°8'0"W 623,000 127°7'0"W 624,000 127°6'0"W 625,000 127°5'0"W 626,000 127°4'0"W 627,000 127°3'0"W 628,000 127°2'0"W 629,000 127°1'0"W 630,000 127°0'0"W 631,000 126°59'0"W 632,000 126°58'0"W 633,000

54°42'0"N 5,852,000 54°41'0"N 5,851,000 54°40'0"N 5,850,000 54°39'0"N 5,849,000 54°38'0"N 5,848,000 54°37'0"N 5,847,000 54°36'0"N 5,846,000 54°35'0"N 5,845,000 54°34'0"N 5,844,000 54°33'0"N 5,843,000 54°32'0"N 5,842,000 54°31'0"N 5,841,000 54°30'0"N 5,840,000

093E075 093E076 093E074 093E065 093E064 093E055 093E054 093E056 093E066

60-150 60-153 60-157 60-158 60-156 60-160 60-159

RANGE 4 COAST DISTRICT

Nadina Natural Resource District

75

Overflow Labels