Vegetation Map
093L016

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
- Sivviculture Opening in Vegetation
- Permanent Sample Plot (CFS)
- Research Installations

TRIM. Base Features:
- Ax 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
- Hydrolne/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 (> 1,000,000 ha - 15 % hatch)
- Municipal boundary (< 1,000,000 ha) - <o 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:

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LINE  DESCRIPTION
 1    1 Siviculture symbol 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 (Douglis Fir) and Hw (Western Hemlock).
 4    4 Age, Height, Crown Closure, Site Index - separated by / ex: 120/32/4/SI 25
      = 120 years, trees are 32 m high, Crown closure class 4 (51-70%), crown closure class 1 (6-15%), SI 20m
 5    5 Vegetated Descriptors (Non-Forest) or Non-Productive descriptor (Forest)
      ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
 6    6 Disturbance History & year - ex: Logged in 1978
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Line 1 - History Record Opening Number

nnnn - opening number valid for BCGS mapsheet
zzzz - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS 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 dataed January 2009.

NATIVE CONIFERS

C CEDAR	
Cw Western Red Cedar	
Y YEW	
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)	
H HEMLOCK	
Hm Mountain Hemlock	
Hw Western Hemlock	
Hxm Mountain x Western Hemlock hybrid	
J JUNIPER	
Jr Rocky Mtn. Juniper	
L LARCH (unkown)	
La Alpine Larch	
Lt Tamarack	
Lw Western Larch	
P PINE	
Pa Alpine Pine	
Pj Lodgepole Pine	
Pl Lodgepole Pine (interior)	
Plc Lodgepole x Jack Pine hybrid	
Plu Lodgepole x Jack Pine hybrid	
Py Ponderosa Pine (yellow)	
Pyi Shore Pine (coast)	
Pw Western White Pine	
Pxj Jack Pine	
Pxs Scots Pine	
Sx White Spruce	
Se Engelmann Spruce	
Sxw Engelmann x White	
Sxl Sitka x White	
Sxs Sitka x unknown hybrid	
S SPRUCE	
Ss Western Yew	

NATIVE HARDWOODS

D ALDER	
Dr Red Alder	
U APPLE	
Up Pacific Crab Apple	
At TRUE COTTONWOOD or POPLAR	
Act Poplar	
Act Balsam Poplar	
Atc Black Cottonwood	
Ax Hybrid Poplars	
Al Trembling Aspen	
Ep Paper Birch	
E Alkaline Birch	
E BIRCH	
Ea Alaska Paper Birch	
Ew Western Paper Birch hybrid	
Ey Yellow Birch (white)	
Ew Water Birch	
K CASCARA	
V CHERRY	
V CHERRY	
Vb Bitter Cherry	
Vm Mahaleb Cherry	
Vp Pin Cherry	
G DOGWOOD	
Gp Pacific Dogwood (western flowering)	
M MAPLE	
Mb Bigleaf Maple (broadleaf)	
Mv Vine Maple	
W WILLOW	
Wb Bebb's Willow	
Wp Pacific Willow	
Wa Peachleaf Willow (Banksy's)	
Ww Pussy Willow (gray-leaved)	
Wr Red Willow	
Wf 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

Ua APPLE	
Apple	
ASPEN, COTTONWOOD or POPLAR	
Ad Southern Cottonwood	
Ae Aspen	
Eu European Birch	
Ey Silver Birch (swamp)	
Ep Paper Birch	
CHERRY	
Vs Sweet Cherry	
Vu Cherry	
Yo Port Orford Cedar	
FIR (Balsam)	
Bn Noble Fir	
Bp Spanish Fir	
Bm Khasha Red Fir	
Bc White Fir	
LARCH	
Lk European Larch	
Lj Siberian Larch	
MAPLE	
Mo Norway Maple	
Mp Planetree Maple	
Ms Sycamore Maple	
OAK	
Oa English Oak	
Or White Oak	
OTHER EXOTICS	
Ou Mountain Ash	
Ob Box Elder	
Mo Norway Maple	
Ms Sycamore Maple	
OAK	
Oa English Oak	
Or White Oak	
OTHER EXOTICS	
Ok Shagbark Hickory	
Oj Tree-of-heaven	
Ow Japanese Walnut	
PINE	
Pm Monterey Pine	
Pn Austrian Pine	
Ps Scots 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

SI 20 are shown to the nearest metre wiferenced 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 aeonot 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 records)

NON-TREED SHRUB

s SHRUB	- shrub with average shrub height > or = to two metres.
sl SHRUB LOW	- shrub with average shrub height < two metres.

NON-TREED HERB

hg 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-TREED BRYOID

by 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 CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
b	BEACH	h	LAVA BED	ms	MUNICIPAL SPOILS
bm	BEDROCK/FELD	h	LAVA BED	oc	OCEAN
br	BEDROCK	l	LANDING	ot	OTHER
ds	DISTURBED/AREA	lk	POND or LAKE SEDIMENTS	pc	PIT or QUARRY
dt	DUTWASH	os	OPEN PIT MINE	rr	RESERVOIR
es	EXPOSED SOILS	rs	NORMAL	r	RIVER / STREAM
gl	GLACIER				

NON-VEGETATED

rl	Rock / Layered Land
rr	Rock / Rubble
si	Snow / Ice

rm	RESERVOIR MARGIN
rp	RIVER SEDIMENTS
rs	RIVER SEDIMENTS
rz	ROAD SURFACE
t	TALUS
tz	TAILINGS
u	URBAN

Note: Water categories (lk, oc, rs, rz) not labelled over 50 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AT	ALPINE FOREST Sipecies	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
BY	BRYOID	NPBS	NON PRODUCTIVE SHRUB	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Sipecies		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GP	GRAVEL PIT	P	PARK RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	PF	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	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.

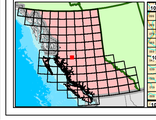
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	O	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

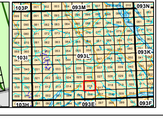
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

The Ministry of Forests, Mines and Lands web application "VIEWER" 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





093L025
093L026
093L027
093L015
093L016
093L017
093L005
093L006
093L007

67-21
67-25
67-26
67-24
62
62
75
60-135

Nadina Natural Resource District
RANGE 5 COAST DISTRICT

NADINA MOUNTAIN PARK

Overflow Labels

093L016