093F068

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093F068

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS 3 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 (VRI3)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfield/Helipads
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofix/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) - 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 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 (Douglis Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separated by: Site Index (estimated SI)
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 5 (6-15%), SI 20m
5 Stocking Status - separated by: Estimated Net Area
ex: a forest 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 is 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
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 Mt. Juniper
Js	Sweetie Juniper
L	LARCH
Lt	Tamarack Larch
Lw	Western Larch
Lx	Hybrid
P	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plj	Lodgepole x Jack Pine hybrid
Plc	Lodgepole Pine (coast)
Pa	Black Pine (coast)
Pw	Western White Pine
Px	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Englemann x White
Sxl	Sitka x White
Sxw	White x unknown hybrid
W	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	Red Alder
Dr	Red Alder
Ut	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Black Cottonwood
Act	Black Cottonwood
Ax	Trembling Aspen
At	ARBUTUS
Mb	Pacific Madrone
E	BIRCH
Ea	Alaska Paper Birch
Ew	Water Birch (alaska hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Er	Red Birch
Ey	Catspaw
V	CHERRY
Vm	Mazzard Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vu	Sweet Cherry
Sp	Pacific Dogwood (western flowering)
M	MAPLE
Mv	Vine Maple (broadleaf)
Mb	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bandys's)
Ww	Pussy Willow (gray-leaved)
Wr	Scouler's Willow
Wh	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ls	LARCH
La	Alpine
Ae	ASPEN, COTTONWOOD or POPLAR
Ab	BIRCH *Southern Cottonwood
Eb	European Birch
Ey	*Yellow Birch (swamp)
Ey	*Yellow Birch
Ge	Ginko
Cw	Sweet Cherry
Yx	CYPRESS *Hybrid Cedar
Yp	PINE (Ballast) *Ballast Pi
Pp	*Pitch Pine
Pm	*Shasta Red Fir
Pc	*white Fir
Pn	*Noble Fir
Lp	*Alpine Larch
Lg	*Siberian Larch
Ln	Larch
Be	Box Elder
Mr	*Norway Maple
Mp	*Japanese Maple
Oa	OAK *English Oak
Or	*Red Oak
Ox	OTHER EXOTICS
Ox	*Incense Cedar
Ox	*Monterey Cedar
Ox	*Coast Redwood
Ox	European Mountain Ash
Ox	*Western Catalpa
Op	Common Pear
Oj	Oregon Ash
Ow	*Walnut
Oh	*Dogwood, Hickory
Oj	Tree-of-heaven
Ow	*Japanese Walnut
Ph	*Monterey Pine
Pr	*Red Pine
Ps	*Scots Pine
Se	SPRUCE *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	141-200
9	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 22.4
2	22.5 - 27.4
4	37.5 - 46.4
5	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 is an estimate of 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 measurements, it is necessary to use Table

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren=t present, e.g. young stands (<25yrs). 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

VEGETATION NON-TREE CATEGORIES (for V and I records)

NON TREED SHRUB
- S SHRUB TALL - shrub with average shrub height > or = to two metres.
- Sl SHRUB LOW - shrub with average shrub height < two metres.

NON TREED HERB
- h 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 TREED 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 - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- r Rock
- rl Rock / Rubble
- w Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
b	BEACH	l	LAKE
bl	BLOCKFIELD	ls	LAVA BED
br	BEDROCK	t	LANDING
c	CONSTRUCTION AREA	m	MARINE SEDIMENTS
cb	CUTBANK	o	OPEN PIT MINE
ea	EXPOSED SOILS	mo	MORAINE
f	FLOOD		
gb	GRAVEL BAR		
gp	GRAVEL PIT		
ri	RIVER		
s	MEADOW		
mud	MUD FLAT		
mu	MUDFLAT SEDIMENT		
mw	MUNICIPAL WWG SPOILS		
ro	RAILWAY SURFACE		
rs	RIVER SEDIMENTS		
rd	ROAD SURFACE		
sl	SLIDE		
ta	TAILINGS		
ur	URBAN		
re	RESERVOIR MARGIN		
o	OCEAN		
cl	CLOUD COVER		
re	RESERVOIR		
	RIVER / STREAM		

Note: Water categories (o, re, ri) not labelled over BC Mapsheet coverage.

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

AF	AGRICULTURE FIELD	NPBR	NON PRODUCTIVE BRUSH
AF	ALPINE FOREST (Species	NPBS	NON PRODUCTIVE BURN
C	CULTIVATED	NPBU	NON PRODUCTIVE SHRUB/ST (Species
CL	CLEARING	NVL	NO TYPING AVAILABLE
GR	GRAVEL BAR	OR	OPEN RANGE
GR	GRAVEL PIT	R	ROCK / RUBBLE
M	MEADOW	S	SWAMP
MUD	MUDFLAT		
SAND	SAND		
TIDA	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NFL	NON FOREST LAND		
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 ecology, refer to official code list for sub-category descriptions.

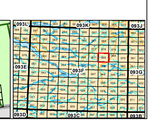
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases Insects	O	Cone and Seedling Fungal Pathogens
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either MF 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
SILVICULTURE TREATING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



093F077 093F078 093F079 093F067 093F068 093F069 093F057 093F058 093F059

60-64 60-65 60-66 60-67 60-68 60-69 60-70

RANGE 4 COAST DISTRICT
Vanderhoof Natural Resource District

124°36'00"W 394,000 124°35'00"W 395,000 124°34'00"W 396,000 124°33'00"W 397,000 124°32'00"W 398,000 124°31'00"W 399,000 124°30'00"W 400,000 124°29'00"W 401,000 124°28'00"W 402,000 124°27'00"W 403,000 124°26'00"W 404,000 124°25'00"W 405,000 124°24'00"W 406,000

54°47'30"N 5,851,000 54°47'00"N 5,850,000 54°46'30"N 5,849,000 54°46'00"N 5,848,000 54°45'30"N 5,847,000 54°45'00"N 5,846,000 54°44'30"N 5,845,000 54°44'00"N 5,844,000 54°43'30"N 5,843,000 54°43'00"N 5,842,000

Overflow Labels

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