093N030

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093N030

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 (0/10)
- Research Installations

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf/Helips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice-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 (1:250,000 fcy - 15 % hatch)
- Municipal boundary (1:1,000,000 fcy - 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 (Douglas 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 Non-Vegetated, Non-Tree Vegetation and Non-Forest
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Cut	2	21-40	5	6-15%	20
Fd	3	41-60	6	16-25%	
Hw	4	61-80	7	26-35%	
Bal	5	81-100	8	36-45%	
	6	101-120	9	46-55%	
	7	121-140			
	8	141-250			
	9	251 +			

Line 1 - History Record Opening Number

xxxx - opening number valid for BCGS mapsheet nnnn - 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	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
Hxw	Hybrid Mountain Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jsc	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
Lx	Hybrid Larch
P	PINE
Pa	Alpine Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Coastal Lodgepole Pine
Pxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pwi	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Prince Rupert Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	Red Alder
Dr	Red Alder
U	APPLE
Um	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Ac	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
Ae	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
Ep	Paper Birch
Epp	Alaska x Paper Birch hybrid
Ew	Water Birch (white)
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vf	Fire Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
R	WILLOW
Rh	Hooker's Willow
Rp	Pacific Willow
Rpg	Pacific Willow (Barrette's)
Rw	Pussy Willow (pink-haired)
Rh	Scouler's Willow
Rs	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown hardwood
Xh	unknown tree (tea leaved or bit)
Zz	other conifer
Zn	other hardwood

EXOTICS

Ls	Apple
As	ASPEN, COTTONWOOD or POPLAR
Ae	Black Cottonwood
Ep	European Birch
Epg	European Birch (pendula)
Ey	*Yellow Birch
Vs	CHERRY
Vsc	*Choke Cherry
Yc	CYPRESS
Yp	*Port Orford Cedar
Yn	*Nootka Cypress
Fb	Noble Fir
Fg	*Grand Fir
Fp	*Amiya Fir
L	LARCH
Ld	*European Larch
Ld	*Siberian Larch
M	MAPLE
Mn	*Norway Maple
Mp	*Sycamore Maple
O	OAK
Qa	*English Oak
Qw	*White Oak
P	PINE, EXOTICS
Pc	*Corsican Cedar
Pd	*Giant Sequoia
Pe	*Scots Pine
Pe	European Mountain Ash
Pi	Siberian Elm (southern)
Pn	*Austrian Pine
Pq	Oregon Ash
Pr	*White Ash
Pw	*Western Hickory
Q	*Turkish Filbert
Qk	Japanese Walnut
R	WILLOW
Rn	*Norway Pine
Rr	*Red Pine
Rs	*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	101-120
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 may be estimated (E) or from sample tree aging 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 are not present, e.g. immature stands. Estimated SI is shown in brackets 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
- st SHRUB TALL - shrub with average shrub height > or = to 4m metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h 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 BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- ni Exposed Land
- nr Rock / Rubble
- sn Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mz	RUBBLE MINE SPOILS
bl	BLOCKFIELD	lb	LAKE BED	oc	OCEAN
by	BOG/MUSKEG	li	LANDING	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	pr	PRISM COVER
ex	EXPOSED SOIL	rd	ROAD / TRAIL / LINE	rc	RIVER CHANNEL
ex	EXPOSED SOIL-S	rv	WORKING	r	RIVER / STREAM

Note: Water categories (la, ra, rv, r) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN		
rp	RAILWAY SURFACE		
rs	RIVER SEDIMENTS		
rz	ROAD SURFACE		
sa	SALTWATER		
tz	TAILINGS		
ur	URBAN		

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
C	CULTIVATED FOREST (Species	NPBR	NON PRODUCTIVE BRUSH	SL	SLIDE / FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	W	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species		
CR	CROPLAND / PAST	NPR	NON PRODUCTIVE ROCK	NC	NON COMMERCIAL
G	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LAKE	R	ROCK	NPBR	NON PRODUCTIVE / RESTOCKED
MUD	MUDFLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

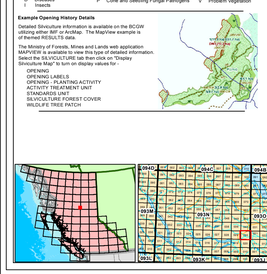
A	Animal Damage	L	Logging
C	Cutting	N	Natural Damage
D	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
S	Silvicultural Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either RIP or ArcMap. The MapView example is the preferred RESULTS data.

The Ministry of Forests, Mines and Lands web application SMART Web is available to view this type of detailed information. SMART Web is found at the following URL: Ministry Silviculture Map" to turn on display values for :

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
OPENING - TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



093P	094A	094B	094C	094D	094E	094F	094G	094H	094I	094J	094K	094L	094M	094N	094O
093I	093J	093K	093L	093M	093N	093O	093P	093Q	093R	093S	093T	093U	093V	093W	093X
093H	093G	093F	093E	093D	093C	093B	093A	092P	092I	092H	092G	092F	092E	092D	092C
092O	092J	092K	092L	092M	092N	092O	092P	092Q	092R	092S	092T	092U	092V	092W	092X
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091H	091G	091F	091E	091D	091C	091B	091A	090P	090I	090H	090G	090F	090E	090D	090C
090O	090J	090K	090L	090M	090N	090O	090P	090Q	090R	090S	090T	090U	090V	090W	090X

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Overflow Labels