092J088

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092J088

Scale 1:20,000

0 0.25 0.5 0.75 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 contained in this map is compiled from best available digital data. Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend is dated June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM. Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Forest Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Ice/Barriers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

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:

OP
ESTA
FdPa
Pl 30
3M
OPN

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).
Pa (Black Cottonwood) is present in the stand. Site Index (estimated SI)
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-10%). SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a treed 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

OP - opening number valid for BCGS mapsheet
ZOPP - 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
Hwc	Coastal Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Albicaulis Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plxj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pyi	Shore Pine (coastal)
Pw	Western White Pine
Pxj	Jack Pine
S	SPRUCE
Sb	Black Spruce
Sbo	Black/White hybrid
Se	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
D	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ad	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
V	BIRCH
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ew	Alaska Birch (white)
Ep	Paper Birch
K	CASCARA
Kc	Cascara
W	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vm	Mazzard
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wh	Peachleaf Willow (Bantzly's)
Ww	Pussy Willow (gray-haired)
Wr	Scouler's Willow
Ws	Sitka Willow (low-leaved)

UNKNOWN - OTHER

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

EXOTICS

Ap	APPLE
Ae	Apple
At	ASPEN, COTTONWOOD or POPLAR
Ate	Aspen (Cottonwood)
Be	BIRCH
Be	European Birch
Bp	Purple Birch (Cutleaf)
Ey	Yellow Birch
W	CHERRY
Ww	Mazzard Cherry
Y	CYPRESS
Yp	Port Orford Cedar
F	FIR (Balsam)
Bb	Nobles Fir
Bp	Noble Fir
Bn	Nordmann's Red Fir
Bn	Nikka Fir
L	LARCH
Lk	Japanese Larch
Ld	Siberian Larch
M	MAPLE
Mp	Box Elder
Mr	Norway Maple
Mm	Manitoba Maple
OA	OAK
Oe	English Oak
Or	Red Oak
O	OTHER EXOTICS
Ob	Yoshino Cedar
Oc	Giant Sequoia
Ol	Coast Redwood
Od	European Mountain Ash
Oj	Japanese Mountain Ash
Of	Common Pear
Og	Oregon Ash
Op	Green Ash
Q	"Shagbarks Hickory
Qj	Tree of Heaven
Qw	Japanese Walnut
PINE	
Pm	"Mondeary Pine
Pn	Austrian
Po	"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	141-200
9	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 1.0
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
Site Index is rounded 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
Site Index estimated from ecological data. Used where cannot prevent, e.g. young stands (<50yrs). 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)*

SHRUB		
sa	SHRUB TALL	- shrub with average shrub height > or = to two metres.
sr	SHRUB LOW	- 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	BRYOIDS	- bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS	- bryoid with mosses, liverworts, and hornwarts > 50% of the bryoid cover.
bl	BRYOID - LICHEN	- bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES *(for X and I records)*

ar	ARGILLITE	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	la	LAKE	mw	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
bu	BUILDING	pd	POND	ri	RIVER
bs	BURNED AREA	pl	POND w/ LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	pe	OPEN PIT MINE	re	RESERVOIR
dl	DELTA DEPOSITS	ma	MOANING	st	SALT WATER STREAM
gl	GLACIER				Note: Water categories (lb, la, ri) not labelled over 50 percent coverage.

mm	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ta	TAILINGS
tl	TALUS
tp	TAILINGS
ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES *(for I records)*

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
BR	BRUSH	NPBRS	NON PRODUCTIVE SHRUB
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NOT TYPING AVAILABLE
GP	GRAVEL PIT	OB	OPEN BROWSE
KB	KEFIELD	P	PAVEMENT
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
TIDE	TIDAL FLAT		
UR	URBAN		
NC	NON COMMERCIAL		
NPBR	NON PRODUCTIVE BRUSH		
NP	NON PRODUCTIVE		
NSR	NOT SUFFICIENTLY RESTOCKED		
NTA	NOT 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.

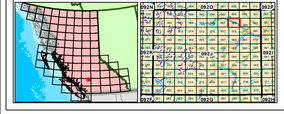
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW through the MAPVIEW application. The MapView example is of thinned RESULTS opening.

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
DECLARATION UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels

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