092I008

Vegetation Map
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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
- Structure Opening in Vegetation
- Permanent Sample Plot (2YS)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/KeyBarriers - 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:

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 (Dougls Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: a 61-80 year old stand (6), 16-25 metres high (3), 26-35% crown closure class 1 (6-15%), SI 20m.
5 Vegetated Density Class (or Non-Forest/Productive-Unproductive Description)
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

OGP - opening number valid for BCGS mapsheet XXXX - 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)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Western x Mountain Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jsc	Scopulus Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plx	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine
Pyi	Shore Pine (inland)
Pw	Western White Pine
Pxj	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Spruce Hybrid
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Ep	APPLE
Up	Pacific Crab Apple
At	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Ad	Black Cottonwood
Ax	hybrid Poplars
Aw	Trembling Aspen
E	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ew	Water Birch
K	CASCARA
Dw	DOGWOOD
C	CHERRY
Ub	Bitter Cherry
Ue	Choke Cherry
Up	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Vm	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Booth's)
Ww	Pussy Willow (gray-leaved)
Wr	Sitka Willow
Wil	Willow (unidentified)

UNKNOWN - OTHER

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

EXOTICS

Ue	APPLE ASPEN, COTTONWOOD or POPLAR
Ad	"Southern Cottonwood BIRCH
Ev	European Birch
Ep	Paper Birch (swamp)
Ey	"Yellow Birch
Ys	CHERRY "Japanese Cherry CYPRESS
Yp	"Port Orford Cedar
Bc	FIR (Balsam)
Bn	"Balkan Fir
Bv	Noble Fir
Bm	"Veitch's Silver Fir
Bi	"White Fir
Lyl	LARCH "European Larch
Ls	"Siberian Larch
Lk	"Japanese Larch
Mbe	MAPLE "Box Elder
Mh	"Norway Maple
Mr	"Sycamore Maple
Oa	OAK
Oc	"English Oak
Qw	"White Oak
Ob	OTHER EXOTICS
Ot	"Incense Cedar
Ob	"Coast Redwood
Ob	"Coast Redwood
Od	European Mountain Ash
Ds	"Showy Mountain Ash
Of	Common Pear
Og	Oregon Ash
Ot	"White Ash
Oh	"Black Walnut/Hickory
Ol	"Smoketree
Ok	Japanese Walnut
Ow	YEW
Pm	"Monterey Pine
Pn	"Red Pine
Ps	"Scots Pine
Pw	"White Pine
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 is based on the age and height of the dominant trees. Site curves are used to estimate height from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren=t present, e.g. young stands (<30yrs). It is denoted by a slash which always precedes the estimated number. SI values 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
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- sh SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h HERBS - 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 CATEGORIES (for V and I record/s)

ap	AIRPORT	gr	GRAVEL PIT	mu	MUDFLAT SEDIMENT
be	BEACH	ls	LAKE SED	mr	RUBBLY MINE SPOILS
bo	BOULDERFIELD	lr	LANDING RED	ri	RIVER
br	BEDROCK	ls	LANDING	ro	ROAD SURFACE
bu	BURNED AREA	w	POND or LAKE SEDIMENTS	sn	SNOW COVER
cl	CLIFF	mi	MINE SITE	ta	TALUS
es	EXPOSED SOILS	ws	WOUNDS	u	URBAN
gl	GLACIER				

Note: Water categories (ta, ae, re, ri) not labelled over 50 percent coverage.

mn RESERVOIR MARGIN
rm RAILWAY SURFACE
rn RUNWAY SURFACE
ro ROAD SURFACE
ta TALUS
u URBAN

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

A	ALPINE	NP	NON-PRODUCTIVE
BY	BOG / TREED FOREST-Species	NPBR	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST-Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LOW BRUSH	R	RANGELAND
M	MEADOW	ROCK	ROCK
MUD	MUDFLAT	SWAMP	SWAMP

SAND SAND
TIDE TIDAL FLAT
URBAN URBAN

NC NON COMMERCIAL
NCBR NON COMMERCIAL BRUSH
NFOR NON FORESTED
NSR NOT SUFFICIENTLY RESTOCKED
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.

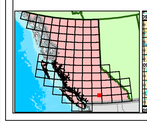
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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" to turn on display values for :

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



092P	092I	092H	092G	092B	092A	092J	092K	092N	092O	092M			
093P	093I	093H	093G	093B	093A	093J	093K	093N	093O	093M			
094P	094I	094H	094G	094B	094A	094J	094K	094N	094O	094M			
095P	095I	095H	095G	095B	095A	095J	095K	095N	095O	095M			
096P	096I	096H	096G	096B	096A	096J	096K	096N	096O	096M			
097P	097I	097H	097G	097B	097A	097J	097K	097N	097O	097M			
098P	098I	098H	098G	098B	098A	098J	098K	098N	098O	098M			
099P	099I	099H	099G	099B	099A	099J	099K	099N	099O	099M			
100P	100I	100H	100G	100B	100A	100J	100K	100N	100O	100M			
101P	101I	101H	101G	101B	101A	101J	101K	101N	101O	101M			
102P	102I	102H	102G	102B	102A	102J	102K	102N	102O	102M			

Overflow Labels

092I008