092I094

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092I094

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 or Vegetation
- Permanent Sample Plot (1013)
- Research Installations

TRIM - Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolin/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 to - 15 % hatch)
- Municipal boundary (= 1:250,000 to) - 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: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5. Stocking Status - separator: Disturbance History & year
   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
- opening number valid for BCGS mapsheet
zzzx - 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 dataed January 2009.

NATIVE CONIFERS

Cw	Western Red Cedar
Y	CYPRESS
Ep	Eastern White Pine
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain x Western Hemlock hybrid
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Plx	Lodgepole Pine x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pyc	Shore Pine (coast)
Pyi	Ponderosa Pine (interior)
Pw	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sep	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sxl	Spruce hybrid
Sxw	Englelmann x White
Sxs	White x Sitka
Sxx	Sitka x Unknown hybrid
T	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	DECIDUOUS
Dr	Red Alder
U	APPLE
Ue	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ax	Black Cottonwood
Ay	hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ea	Alaska Paper Birch
Ep	Paper Birch (white)
Eyc	Yellow Birch
K	CASCARA
Kc	Cascara
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vf	Fire Cherry
G	OGOGROSS
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Or	Garry Oak
W	WILLOW
Wb	Black Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bambly's)
Wr	Red Willow (Northern Inland)
Wsp	Scouler's Willow
Wt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zz	SHRUBS
Zx	other hardwood

EXOTICS

U	APPLE
Ua	Apple
Ae	ASPEN, COTTONWOOD or POPLAR
Aet	Balsam Cottonwood
E	BIRCH
Ea	European Birch
Ey	Yellow Birch (exotic)
Eyc	Yellow Birch
V	CHERRY
Vs	Sweet Cherry
Vy	Pin Cherry
Yo	CYPRESS Port Orford Cedar
Yt	Western Redcedar
L	LARCH
Ld	Dahurian Larch
Lk	Japanese Larch
MAPLE	
Mr	Box Elder
Mn	Norway Maple
Mp	Sycamore Maple
OAK	
Oa	English Oak
Or	*White Oak
OTHER EXOTICS	
Ob	*Black Walnut
Oc	*Giant Sequoia
Od	*Coast Redwood
Oe	*Common Horsechestnut Ash
Of	Siberian Elm (southern)
Oh	Common Pear
Oi	*Tree of Heaven
Oj	*White Ash
Ok	*Shagbark Hickory
Ol	*Black Locust
Om	Japanese Walnut
PINE	
Pa	*Monterey Pine
Pc	*Scot Pine
Pp	*Sugar Pine
SPRUCE	
Sn	*Norway Spruce
Sb	*Black Spruce
Sc	*Colorado Blue Spruce
Sd	*Southern Cottonwood
Sr	*Red Spruce
Ea	European Birch
Ep	Paper Birch
Eg	Silver Birch (swamp)
Ey	Yellow Birch

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 known at the nearest metre referenced at 50 years breast height Age. SI is based on the age and height of the dominant trees. Site index curves are a function of biogeoclimatic age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aremnt present, e.g. young stands (<50yrs). It is denoted by a slash which always follows the estimated SI number. Site index in the inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

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

NON-TREED SHRUB
- sl SHRUB TALL - shrub with average shrub height > or = to two metres.
- s 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 hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- ar Exposed Land
- ac Snow / Ice
- ai Snow / Ice

NON VEGETATED CATEGORIES (for V and I records)

ra	ALPINE	mg MUD/FLAT SEDIMENT	mm RESERVOIR MARGIN
rm	BEACH	mr RUBBLY MINE SPOILS	mn RAILWAY SURFACE
rr	BLOCKFIELD	rs LAVA BED	rs RIVER SEDIMENTS
rb	BURNED AREA	rl LAKE/LAKES	rt ROCK OUTCROP
rc	BURNED AREA	rp POND or LAKE SEDIMENTS	ru TALUS
rb	CUTBANK	rs OPEN PIT MINE	rl TAILINGS
rd	EROSIONAL GULLS	rw WORKING	rp TOWN
rg	GLACIER		Note: Water categories 2a, 2b, 2c, 4, 5 not labelled over SI permitted coverage.

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
B	BARREN	NPF	NON PRODUCTIVE FOREST
CL	CLAY BANK	NPFT	NON PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE
H	HERB/FORB	O	OPEN/GRASS
K	KARST	P	MUDFLAT
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
TIDF	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
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 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 Inserts	P	Cone and Seedling Fungal Pathogens
		S	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

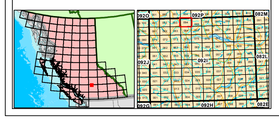
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thematic 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
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

092I094