Vegetation Map
082J011

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 / Terrain

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 on this map is not to be used for navigation. The administrative boundaries and the ownership sticker 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 (VRI)
- Research Installations

TRIM - Base Features:
- Ice Bulk Shelves
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeature lines - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- Mgt. Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary > 1:20,000 Ha - 1% % Ha(s)
- Municipal boundary < 1:20,000 Ha - no Ha(s)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Area
- 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
a,c Are the most important layer to maximize age (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI
a,c stand is age class 3 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
6 Disturbance History (human caused disturbance, fire and gravimonds, shrubs less that 2m.
a Disturbance History Code: a = use - c= Logged in 1978

Line 1 - History Record Opening Number

0121 - opening number valid for BCGS mapsheet / 0000 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

Vegetation Polygon Identifier - ranging from one to nine digits
L = Multi-layer Indicator - if 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

CODE	
Cw	Western Red Cedar
Yc	Yellow Cedar
Y	Yellow Cypress
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bg	Grand Fir
Bl	Alpine Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hw	Western Hemlock
He	Western Hemlock
Hm	Mountain Hemlock hybrid
J	JUNIPER
J	Rocky Mtn. Juniper
Jc	Common Juniper
L	LARCH
Lt	Native Larch
Le	Alpine Larch
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pp	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pa	Whitebark Pine (alpine)
Pa	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sw	Engelmann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sxe	Spruce hybrid
Sxw	Engelmann x White
Sxl	Spruce hybrid
Sxl	Sitka x Lutzmann hybrid
Sz	Unknown
Te	Western Yew

NATIVE HARDWOODS

CODE	
Ac	ALDER
Ep	Red Alder
Ep	Alder
Ac	Pacific Red Alder
Act	ALDER, COTTONWOOD or POPLAR
Ax	Alder
Ax	Subalpine Alder
Axs	Sitka Alder hybrid
Ax	Hybrid Poplars
Ax	Hybrid Alders
Ax	Alder
Ae	Arbutus
Ep	Aspen
Epp	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ep	Paper Birch (White)
Ep	Water Birch
E	CASCARA
Ep	Trembling Aspen
Ec	DOGWOOD
Eb	Black Cherry
Eb	Bitter Cherry
Eb	Pin Cherry
Eb	Choke Cherry
Ep	Pacific Dogwood (western flowering)
Eb	Red Osier
Ep	Hybrid Poplar (hardier)
Ew	Vine Maple
Ew	Maple
Ec	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wa	Pacific Willow
Wa	Peachleaf Willow (Banksy's)
Wa	Peachleaf Willow hybrid
Wa	Scouler's Willow
Wr	Sitka Willow (exclusive)

UNKNOWN CONIFER

CODE	
Xc	CONIFER
Xc	unknown conifer
Xc	Unknown Conifer
Z	OTHER (less common tree)
Xc	other conifer
Xc	Other Conifer

EXOTICS

CODE	
AP	APPLE
Act	ALDER, COTTONWOOD or POPLAR
Ax	Alder
Ep	Paper Birch
Epe	European Birch
Ep	Paper Birch (exotic)
Ep	Silver Birch
Y	CHERRY
Yo	Orchard Cherry
Y	CYPRESS
Yo	Other Cypress
Yo	Monterey Cypress
Bp	Noble Fir
Bn	Nobles Fir
Bm	Manchurian Fir
Bp	Yellow Fir
L	LARCH
Lo	Exotic Larch
Lo	Siberian Larch
M	MAPLE
Mo	Norway Maple
Mo	Sycamore Maple
Oa	OAK
Oa	English Oak
Oa	Oak
Y	OTHER EXOTICS
Oa	Turkish Oak
Oa	Other Exotic
Oa	Cutleaf Redwood
Oa	Cutleaf Weeping Ash
Oa	Golden Elm (southern)
Of	Common Pear
Of	Flowering Pear
Of	Other Exotic
Oa	Weeping Mulberry
Oa	Mulberry
Oa	Japanese Walnut
Pine	
Po	Monterey Pine
Pn	Red Pine
Pb	Ponderosa Pine
Pn	Austrian Pine

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 - 27.4
4	28.5 - 37.4
5	37.5 - 44.4
6	45.5 - 53.4
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 in the nearest tens referenced at 50 years breast height age. Site index is estimated from the dominant leading species. Where site curves for a particular observed host age and height combination do not exist, SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. young stands, stands with a history of fire, or other disturbance processes. It may also be used where the data source Inventory Type Group and SI is deemed source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5a=Y and L (yes-no))

NON-TREED SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to two metres.
- sm SHRUB MEDIUM - shrub with average shrub height < two metres.

NON-TREED HERB
- hg HERB - herb with no distinction between forbs and graminoids.
- hf HERB - FORBS - herb with forbs > 50% of the herb cover.
- hgr HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOID - moss/ with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwarts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (5a=Y and L (no-yes))

ro	ROCK	mu	MUD/FLAT SEDIMENT
re	REACH	s	SAND STRIPS
w	WATER	sl	SALT LAKE
w	WEIRDOR	L	LANDING
w	SUSPENDED SOLIDS	ls	LANDING LAKE SEDIMENTS
w	TURBIDITY	ld	LANDING DRY MISC
w	EXPOSED SOILS	wo	WORKING
gl	GLACIER		

mu	MUD/FLAT SEDIMENT
s	SAND STRIPS
sl	SALT LAKE
L	LANDING
ls	LANDING LAKE SEDIMENTS
ld	LANDING DRY MISC
wo	WORKING
rr	RESERVOIR MARGIN
rw	RESERVOIR WATER
o	OTHER
ro	ROCK/RUBBLE
rr	RESERVOIR
r	RIVER / STREAM

Note: Water categories (w, ss, o, rr) are labelled over the present coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5a=Y record=)

AF	ALPINE FIRRIFT Species	MRE	MINE ROCK/EARTH
C	CULTIVATED	MPB	NON-PRODUCTIVE BURN
CB	CULTIVATED BARE	NP	NON-PRODUCTIVE OTHER Species
GR	GRAVEL BAR	NC	NOT FOR CLASSIFICATION
GR	GRAVEL PIT	OR	OPEN RANGE
M	MEADOW	R	ROCK
M	MISCELLANEOUS	SCA	SCARIFICATION
WM	WET MEADOW	S	SWAMP

RMD	SAND
TEE	TOWN PLAT
U	URBAN
NC	NON COMMERCIAL
NCBR	NON COMMERCIAL BRUSH
NF	NON FORESTED
NSR	NOT SUFFICIENTLY RESTOCKED
NTA	NO TYPING AVAILABLE

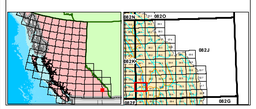
Line 6 - Disturbance History

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
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	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
Silviculture Treatment Polygon. The MapView examples is of Harvest 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" for both of display values for :-

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
SILVICULTURE TREATMENT