083D009

Vegetation Map
083D009

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 derived 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 displayed on the map is approximate and is not suitable for determining administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014).

Labels Projected To: January 1, 2018.

MAP SYMBOLOGY

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

TRIM - Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fairstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodiversions - 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 Orders boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (< 1:200,000 ha - 15 % hatch)
- Municipal boundary (> 1:200,000 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 Inventory Number 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 - separator 0.1 Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10 mtrs), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Description)
6 Disturbance History (type, severity, intensity, site and grain/ecds, shrubs less that 2m.
ex: Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number

0001 - opening number valid for BCGS mapsheet 0001* - 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:

The following codes for species are tabled in their order of predominance. Major first Minor in brackets. Tree species codes are based on "Tree & S. Ministry of Forests Tree Code List" version 4.5 dated January 2006.

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
H	HEMLOCK
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetbr Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Silver Pine (coast)
Pwi	Western White Pine
Pw	Western White Pine
S	SPRUCE
Sa	Alpine Spruce
Se	Englemann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxl	Spruce Hybrid
Sxw	Englemann x White
Sxs	Sitka x White
Sxw	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
At	Trembling Aspen
Ah	Hybrid Poplars
At	Trembling Aspen
Ax	Aspen
Ac	Cottonwood
E	BIRCH
Ep	Alaska Paper Birch
Epp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
K	DOGWOOD
K	DOGWOOD
Kc	Cascara
Kp	Pacific
V	Bitter Cherry
Vc	Choke Cherry
Vd	Dry Cherry
Vi	Domestic
Vp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Q	Garry Oak
W	WILLOW
Wa	Alaska Willow
Wp	Pacific Willow
Ww	Peachleaf Willow (Bartram)
Wr	Red Willow (Drummond)
Wsp	Scouler's Willow
Wt	Sitka Willow (lasiandra)
	UNKNOWN - OTHER
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (see notes tab)
Za	other conifer
Zb	other hardwood

EXOTICS

Ye	APPLE
A	ASPEN, COTTONWOOD or POPLAR
Ae	*Southern Cottonwood
Ba	Balsam
Be	European Birch
By	Silver Birch (swamp)
Bp	White Birch
C	CHERRY
Cs	Sweet Cherry
E	ELM
Ew	*Rnd Gldn Cedar
Fb	FIR (Balsam)
Fa	Grand Fir
Fb	Noble Fir
Fm	*Shasta Red Fir
Fn	White Fir
L	LARCH
Lk	*Dahurian Larch
Ld	European Larch
M	MAPLE
Mr	Sug Maple
Mn	*Norway Maple
Mp	*Sycamore Maple
OA	OAK
Oa	*English Oak
Or	White Oak
	OTHER EXOTICS
Ox	*Incense Cedar
Ot	*Gmn Sequoia
Os	*Coast Redwood
Ow	European Mountain Ash
Ok	Siberian Elm (southern)
Ou	Common Pear
Ow	Scots Pine
Ox	White Ash
O	*Shagbark Hickory
Oc	*Black Walnut
Oj	Japanese Walnut
PW	PINE
Pa	*Austrian Pine
Pm	*Red Pine
Ps	*Scots Pine
Sn	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 known to 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 used to estimate site index age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when subtle SI trees aren't present, e.g. young stands (<30yrs). It is denoted by a slash which always follows the species code. Estimates are based on Inventory Type Group and SI if otherwise source cited.

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 2 metres.
- ss 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 MOSS AND LICHEN
- bl BRYOID - LICHENS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSSES - bryoid with mosses, liverwrts, and hornwrts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NO-VEGETATED
- w Exposed Land
- wi Ice / Snow
- ww Snow / Ice

NO-VEGETATED CATEGORIES *(for V and I records)*

ae	ALPINE	gl	GRAVEL PIT	mu	MUDFLAT SEDIMENT
ar	ROCK	gr	GRAVEL	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	la	LAVA BED	oc	OCEAN
bm	BOULDERS	lk	LAKE	ri	RIVER
cb	RUBBLE/CLAY	lo	POND or LAKE SEDIMENTS	sn	SNOW COVER
dt	OUTWASH	mn	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mo	MORAINE	rv	RIVER / STREAM

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST Openings	NPBR	NON-PRODUCTIVE BRUSH
CL	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
G	GRASSLAND	NPF	NON PRODUCTIVE FOREST Openings
GL	GRAVEL BAR	NPL	NON-PRODUCTIVE LOGGED
GP	GRAVEL PIT	OR	OPEN ROADS
KS	KOPJE/S	P	HAYFIELD
MU	MUDFLAT	S	SWAMP
MUD	MUDFLAT	SWAMP	

SAND	SAND	NC	NON COMMERCIAL
TIDE	TIDAL FLAT	NCBR	NON COMMERCIAL BRUSH
U	URBAN	NF	NON PRODUCTIVE FOREST
		NPBR	NON PRODUCTIVE RESTOCKED
		NTA	NOT 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
C	Cone Crop	M	Mechanical Damage
D	Cone and Seed Insects	N	Non-Biological Injuries
I	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

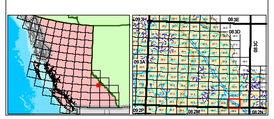
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either RMF or ArcMap. The MapView example is of Interned RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select RESULTS LINE last then click on "Display Silviculture Map" to turn on display values for -

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





083D018 083D019 083D020 083D008 083D009 083D010 082M098 082M099 082M100

41-60 143 41-85 42-19 42-53 22

KOOTENAY DISTRICT

Selkirk Natural Resource District

CUMMINS LAKES PARK

MAYNARD LAKE PROVINCIAL PARK

GOOSEGRASS CREEK ECOLOGICAL RESERVE

TFL55

Overflow Labels