Vegetation Map
082J053

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 D / 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 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
- Sensitive Opening Inventory
- Permanent Sample Plot (2013)
- Research Installations

TRIM Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf areas
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrobodies/Areas - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MF Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrain
- Municipal boundary (> 1,000,000 ha - 0.1% fuzzy)
- Municipal boundary (> 1,000,000 ha - no fuzzy)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Grid:
- BCGS Map Sheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION:
1 Structure 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).
4 Age, Height, Crown Closure Class Code - separator - Site Index (estimated B)
ex: 121-140 years old, 31-40 metres tall, 61-80% crown closure class (.6-.75%), SI:20m
5 Vegetated Density Class (or Non-Forest/Productive 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

- opening number valid for BCGS mapsheet.
- 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 listed 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	CYPRESS, Nootka Cedar
Y	Yellow Cedar
Hw	Western Hemlock
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Douglas Fir Interior Fir
Bl	Balsam
Ba	Amabilis Fir
Bg	Grand Fir
Bp	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hg	Western Hemlock
Hl	Western Hemlock (Hemlock family)
J	JUNIPER
Ja	Juniper, Wild, Juniper
Jr	Juniper (scrub)
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pla	Lodgepole x Jack Pine hybrid
Pj	Ponderosa Pine (yellow)
Pp	Ponderosa Pine (Pine)
Pw	Western White Pine
Pw	Whitebark Pine
Ps	Scots Pine
Sb	Black Spruce
Se	Engelmann Spruce
Sw	Sitka Spruce
Sx	White Spruce
Sxl	Lutz Spruce
Sxe	Engelmann x White
Sxb	White x Black
Sxw	White x Lutz hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

A	ALDER
Ac	Alder Green
Ar	Alder Red
Ap	Pacific Crab Apple
Ep	Black COTTONWOOD or POPLAR
Ew	Willow
Ae	Balsam Poplar
Ed	Black Cottonwood
Et	Aspen/Poplars
At	Trembling Aspen
Ev	Cascade Aspen
Ag	Alder/Aspen
B	BIRCH
Bp	Paper Birch
Bn	Alaska Paper Birch hybrid
Bc	Cascade Birch (white)
Bw	Water Birch
Bg	Gray Birch
Ac	Cottonwood
V	CHERRY
Vb	Black Cherry
Vc	Choke Cherry
Vf	Pin Cherry
Vp	Bitter Cherry
Vu	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Big Leaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
Qc	Garry Oak
W	WILLOW
Wb	Black Willow
Wc	Pacific Willow
Wd	Bebb Willow (Beaked)
Wf	Fresno Willow (grey leaved)
Wl	Scouler's Willow
Wp	Pacific Willow (Lanceleaf)
X	UNKNOWN - OTHER
y	UNKNOWN
Ya	Alternate leaf dogwood
Yc	unknown hardwood
Z	OTHER (see notes tab)
Zh	Hawthorn
Zo	other hardwood

EXOTICS

AP	APPLE
Ls	Apple
Ac	Black COTTONWOOD or POPLAR
Ar	Southern Cottonwood
Ea	Alder
Ep	European Birch
Ew	Silver Birch (exotic)
Ey	Yellow Birch
Ec	CHERRY
Ys	Sweet Cherry
Yt	Bird Cherry
Ya	Pond Dwarf Cedar
Fd	FIR (Balsam)
Fb	Balsam Fir
Bp	Noble Fir
Fg	Grand Fir
Bn	Nordmann Fir
Fl	Alpine Fir
Lt	LARCH
Lk	Tamarack Larch
Lr	Siberian Larch
Lp	Dahurian
Ob	Sub Alpine
Mh	Norway Maple
Mp	Sycamore Maple
Osc	Oak
Qa	Kingdon Oak
Qb	Bur Oak
Qc	OTHER EXOTICS
Qe	English Oak
Qi	Giant Sequoia
Qm	Mongolian Oak
Qp	European Mountain Ash
Qr	Siberian Elm (southern)
Qs	Scots Elm
Qu	Dragon Ash
Qx	Manchurian Ash
Qy	Chinese Scholar's Tree
Qz	Tree of Heaven
Ch	Japanese Walnut
Ck	Walnut
Pb	Mazzard Pear
Pc	Pear
Pk	Sugar Pine
Pn	Pine
Sn	Norway Spruce

Line 4

4a. AGE CLASS

CODE	AGE (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	HEIGHT (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	CLOSURE (percentage)
1	0.1 - 5
2	6 - 10
3	11 - 15
4	16 - 25
5	26 - 35
6	36 - 45
7	46 - 55
8	56 - 65
9	66 - 75
0	76 - 85
1	86 - 100

4d. SITE INDEX

All SI are shown in the nearest metre referenced at 50 years. Site Index is a measure of the site quality. It is the average height reaching another, African and age 50 cannot be observed from age and height estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees cannot present, e.g. Site Index Estimated Site Index Estimated Site Index Estimated Site Index Estimated. 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)

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

hg	HERB	- herb with no distinction between forbs and graminoids.
hf	HERB - FORBS	- herb with greater than 50% of the herb cover.
hg	HERB - GRAMINOIDS	- herb with greater than 50% of the herb cover.

NON-TREED BRYOID

bm	BRYOID MOSS	- bryoid with no distinction between mosses and lichens by cover.
bl	BRYOID LICHENS	- bryoid with greater than 50% cover of lichens.
b	BRYOID - LICHENS	- bryoid with greater > 50% of the bryoid cover.

NON VEGETATED (for V and I records)

ap	AIRPORT	g	GRAVEL PIT	mp	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
b	BEACH	s	SAND	mt	MUDFLAT TIDAL FLATS	rs	RESERVOIR SEDIMENTS
c	ROCK/CLIFF	L	LANDFILL	o	OCEAN	rv	RIVER SEDIMENTS
m	MEADOW	a	AMDMAS	ot	OTHER	rs	ROAD SURFACE
ms	MUDFLAT SEDIMENTS	ts	TAILINGS AND SEDIMENTS	r	RIVER/CREEK	t	TALUS
cl	CUTBANK	mp	OPEN PIT MINE	R	RESERVOIR	tl	TAILINGS
cs	CUTBANK SOIL	ug	UNDERGROUND	u	URBAN		

Note: these categories (a, cl, m, s) can be embedded over BC ground coverage.

NON FOREST / NON PRODUCTIVE DESCRIPTION CODES (for F records)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
CF	CULTIVATED FOREST (Species)	NPB	NON PRODUCTIVE BRUSH	TF	TIDAL FLAT
C	CULTIVATED	NPG	NON PRODUCTIVE GRASS	U	URBAN
CL	CLAY BANK	NPT	NON PRODUCTIVE FOREST (Species		
GL	GLACIER ICE	NR	NON RESTOCKABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OG	OPEN RANGE	NCB	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	PARTIALS	NP	NON PRODUCTIVE
L	LANDING	R	ROCK	NR	NON RESTOCKABLE RESTOCKED
MUD	MUDFLAT	S	SAND	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.

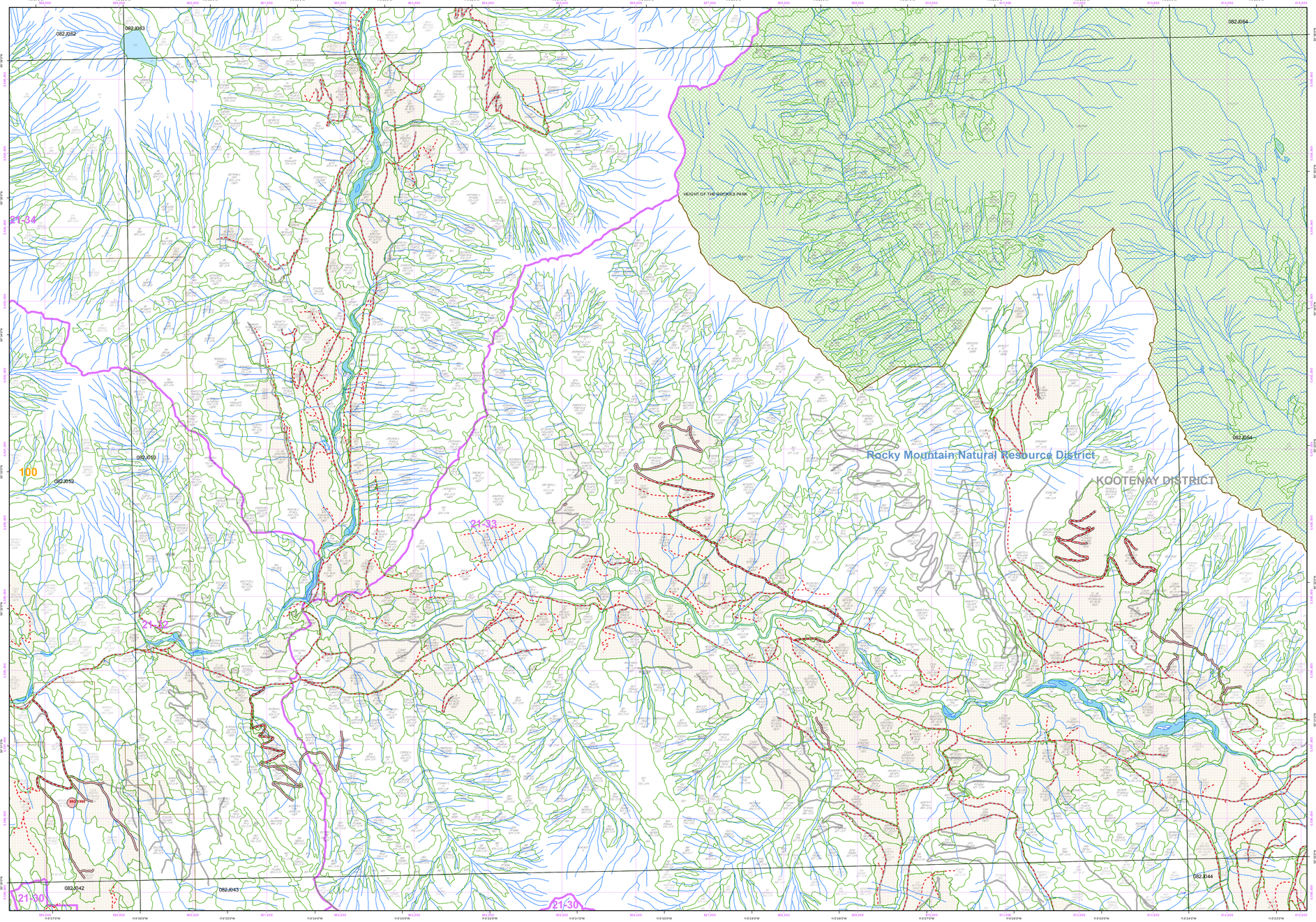
A	Animal Damage	L	Logging	E	Site Preparation
B	Wildfire	M	Mine Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	D	Damage Unknown
I	Insects	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
D	Disease				

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The Map View example is of Internet RESULTS data.

The Ministry of Forests, Mines and Lands web application, Results, provides access to the Silviculture 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
NON-FOREST VEGETATION COVER
WILDLIFE TREE PATCH



Overflow Labels