082N083

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
082N083

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIM S1 Ownership
Base Map Source: TRIM / Terrabris

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 point-eyed in ay 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 Factors:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (SYS)
- Research Installations

TRIM - Base Features:
- Air Route Points
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Aid Fences
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydroelectric/dams - 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 - Terrabis
- Municipal boundary (> 1,000,000 ha - 15 % hatch)
- Municipal boundary (< 1,000,000 ha) - no hatch)
- National Parks
- Fisn 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. 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 (Douglk Fir) and Hw (Western Hemlock)
4. Age Class, Height Class, Crown Closure Class, Site Index, Estimated Site Index
   ex. stand is age class 3 (21-40 yrs), height class 1 (0.5-10 m), crown closure class 1 (6-10%), 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:

xxxx - opening number valid for BCGS mapsheet — zzzz - 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)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hmw	Mountain Hemlock x Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jsc	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lw	Western Larch
P	PINE
Pl	Lodge Pine
Pli	Lodgepole Pine
Plc	Lodgepole (contorta)
Plcl	Lodgepole x Jack Pine hybrid
Pj	Ponderosa Pine (jeffrei)
Pw	White Pine
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Hybrid Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce Hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Ss	Sitka Spruce
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
At	Trembling Aspen
Act	Black Cottonwood
Ax	Hybrid Poplars
Ae	Balsam Poplar
E	BIRCH
Ep	Alaska Paper Birch
Ekp	Alaska x Paper Birch hybrid
Ek	Alaska Birch (yellow)
Ep	Paper Birch
K	CASCARA
G	CHERRY
Gc	Choke Cherry
Vs	Bitter Cherry
Gy	Pin Cherry
Gu	Fire Cherry
Z	DOGWOOD
M	MAPLE (Norwood (western flowering)
Mv	Vine Maple
Mb	Bigleaf Maple (broadleaf)
Mr	Red Maple
O	OAK
Gg	Garry Oak
Gb	Oregon
Xh	Rocky Mtn Willow
Xbg	Pacific Willow
Xbb	Pacific Willow (Barclay's)
Xbf	Pacific Willow (prin.linear)
Wo	Scouler's Willow
Wp	Sitka Willow (tea-kettel)

UNKNOWN - OTHER

X	unknown conifer
Ax	unknown hardwood
At	unknown deciduous tec).
Z	other conifer
Zx	other hardwood

EXOTICS

	APPLE
Ua	Apple
Axt	ASPEN, COTTONWOOD or POPLAR
	Balsam Gilmilwood
Bxh	BIRCH
Be	European Birch
Ek	Alaska Birch (yellow)
Ep	Yellow Birch
	CHERRY
Yo	Mazzard Cherry
	CYPRESS
Yo	"Port Orford Cedar
	FIR
Bb	Noble Fir
Bp	Noble Fir
Bc	Grand Fir
Bl	White Fir
	LARCH
Lp	European Larch
Lj	Japanese Larch
	MAPLE
Mb	Norway Maple
Mt	Tatarian Maple
Ms	Sycamore Maple
	OAK
Qg	"English Oak
Qm	"White Oak
	PINE (EXOTICS)
Cc	"Corsican Cedar
Qk	"Giant Sequoia
Cd	"Deodar Cedar
Cm	European Mountain Ash
Sk	Siberian Elm (southern)
Ge	"Ginkgo Tree
Cp	Crimean Oak
Qr	"White Ash
Qs	"Daughetti Hickory
Qj	"Japanese Oak
Qk	Japanese Walnut
	PINE
Pnn	"Austrian Pine
Pr	"Red Pine
Pp	Plugge Pine
Pn	"Scots Pine
Sn	"Norway Spruce

Line 4:

4a. AGE CLASS

CODE	LIMITS (years)
1	1 - 20
2	21-40
3	41-80
4	81-80
5	81-100
6	101-120
7	121-140
8	141-250
9	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.5 - 10.4
2	10.5 - 13.4
3	18.5 - 28.4
4	28.5 - 37.4
5	37.5 - 48.4
6	48.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

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

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years breast height age. SI is estimated when site tree data is not available, leading species. Where encountered SI cannot be obtained from age and height estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when solution SI trees cannot present, e.g. Inventory Type Group 1 and 2 stands. Site index estimate provides it 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 sp codes)

NON FIRED SHRUB
- s - SHRUB LOW — shrub with average shrub height 1 or < to two metres.
- a - SHRUB LOW — shrub with average shrub height > two metres

NON FIRED HERB
- h - HERB — herb with no distinction between forbs and graminoids.
- hf - HERB - FORBS — herb with more > 50% of the herb cover.
- hg - HERB - GRAMINOIDS — herb with gaminoids > 50% of the herb cover.

NON FIRED SHR-GND
- bg - 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 FIRED SHRUB
- d - DECIDUOUS — shrub with > 50% deciduous species
- c - CONIFEROUS — shrub with > 50% coniferous species

NON VEGETATED
- r - ROCK — Rock / Rubble
- o - SNOW / ICE

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	mu	MUDFLAT SEDIMENT
br	BEACH	ll	LAKE
bl	BEDROCK/FIELD	lr	LAKE RAISED
bl	BEDROCK	ld	LANDSLIDE
bu	BURNED AREA	lp	POND or LAKE SEDIMENTS
cb	CLIFF/BANK	ms	MARSH/SWAMP
ex	EXPOSED SOILS	sm	SEDIMENT
gl	GLACIER		

Note: Water categories (ll, ls, w, r) not labelled over 80 percent coverage.

mv	RESERVOIR MARGIN
mr	RUBBLY MINE SPOILS
ro	ROCK
rd	ROAD SURFACE
s	TALUS
sn	SNOW/ICE
u	URBAN

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

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST /Spaces	NPBR	NON PRODUCTIVE BRUSH
CL	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Spaces
G	GRAVEL BAR	OC	OPEN CONIFER BRUSH
GR	GRAVEL PIT	OB	OPEN BRUSH
ICE	ICEFIELD	P	HAYFIELD
MS	MUD SLIDE	S	SWAMP
MUD	MUDFLAT	S	SWAMP
SAND	SAND		
SF	SILT FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPBR	NON PRODUCTIVE FORESTED		
WFA	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	Burn	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seeding Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

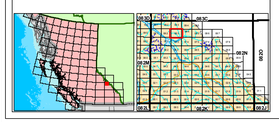
Example Opening History Details

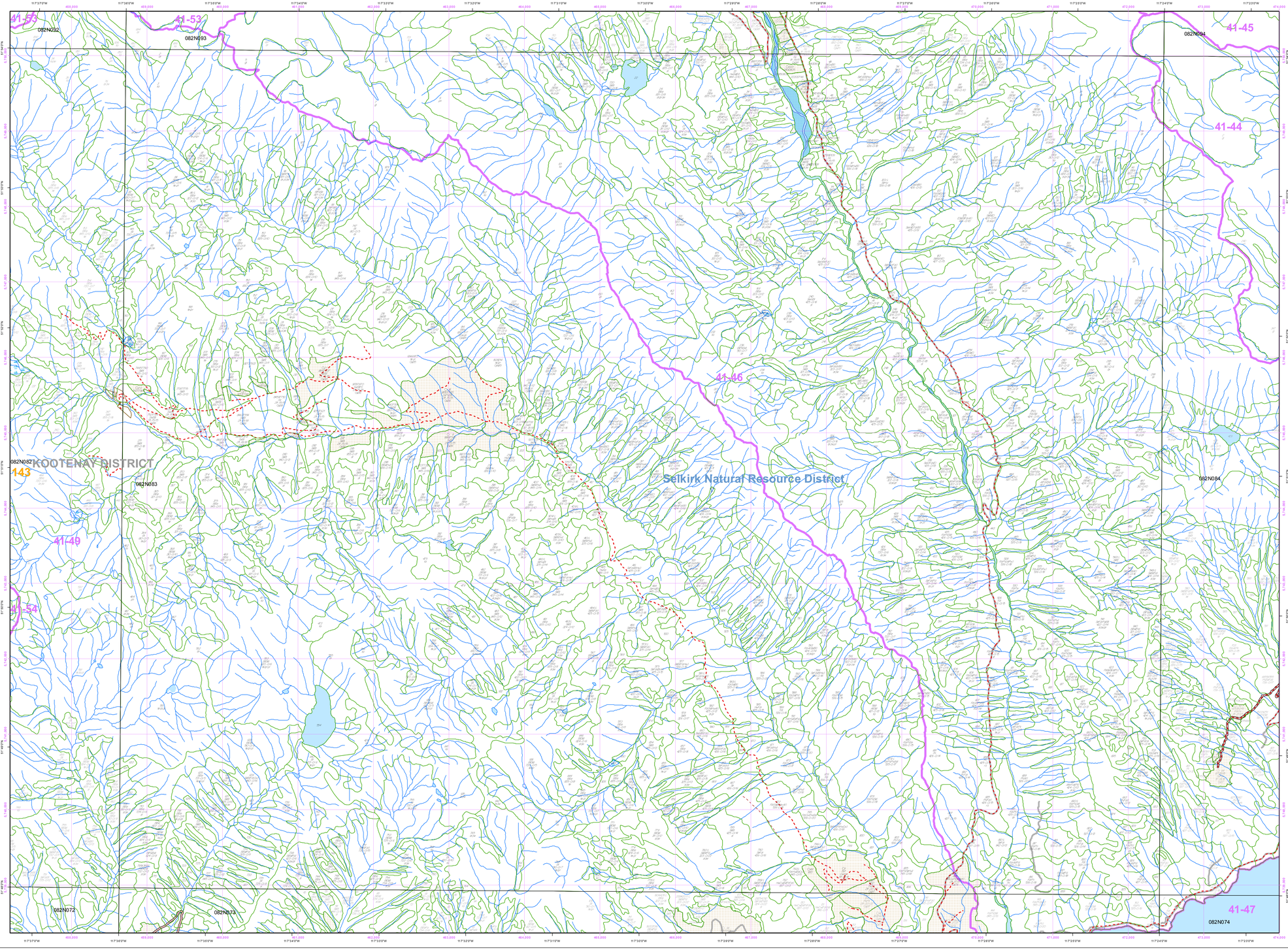
Detailed Silviculture information is available on the BCGW utilizing either MF or ArcMap. The MapView example is of interned RESULTS data.

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

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







Overflow Labels

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