082N081

Vegetation Map
082N081

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS II - Ownership
Base Map Source: TRIM / Terrabase

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 in is not be complete and up to date Cadastral, administrative boundaries and the Owner-ship 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 (SYSTEM)
- Research Installations

TRIM, Base Features:
- Au Auto Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- 4x4 Fences
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodrainants - 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 (> 1:600,000 ha) - (> 10 % hatch)
- Municipal boundary (< 1:600,000 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. 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 (Douglis Fir) and Hw (Western Hemlock)
4. Age, Height, Crown Closure Class Code - separated by a slash (/) (no blanks) - estimated=E
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. Site Index (SI) - site species and site index separated by a colon (:)
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 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

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)
Bg	Grand Fir (white)
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Western Hemlock x Mountain Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweetie Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Plc	Lodgepole (contorta)
Plh	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pw	Western White Pine
Px	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sk	Kenai Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DOGWOOD
Dr	Red Alder
E	ARBUTUS
Ep	Pacific Crab Apple
Ac	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Black Cottonwood
Ax	hybrid Poplars
Ae	Balsam Poplar
Ab	ARBUTUS
Ae	Arbutus
Ep	Pacific Crab Apple
K	DOGWOOD
Kp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gy	Garry Oak
R	WILLOW
Rb	Bebb's Willow
Rp	Pacific Willow
Rpy	Pussy Willow (grey-haired)
Rsl	Sitka Willow (sea-beach)
Rsp	Soapberry Willow
Rw	Willow (tree-like)

UNKNOWN - OTHER

Au	unknown alder
Ax	unknown hardwood
Ax	unknown poplar (sp)
Zz	other conifer
Zx	other hardwood

EXOTICS

AB	ALDER
Ae	ASPEN, COTTONWOOD or POPLAR
Ae	Aspen, Cottonwood (Balsam)
Ea	European Birch
Ep	**Paper Birch (Monarch)
Ey	**Yellow Birch
CH	CHERRY
Hx	**Hybrid Cherry
CY	CYPRESS
Yo	**Port Orford Cedar (Lawson)
F	FIR
Bp	**Balsam Fir
Bs	Noble Fir
Bv	**Veitch's Silver Fir
Bx	**Hybrid Fir
LA	LARCH
Lk	**Siberian Larch
Lyl	**Golden Larch
MAPLE	
Mr	**Red Maple
Mt	**Norway Maple
Ms	**Sycamore Maple
OAK	
Qa	**English Oak
Qw	**White Oak
PINE	PINE EXOTICS
Pc	**Corsican Pine
Pl	**Dent Brasiliei
Pn	**Austrian Pine
Pp	European Mountain Ash
Ps	Siberian Elm (southern)
Pu	**Scots Pine
Pyr	Oregon Ash
Pyr	**White Ash
Pyr	**Common Hickory
Q	True all trees
Qs	Japanese Walnut
SPRUCE	
Sn	**Norway Pine
Pr	**Red Pine
Ps	**Scots Pine
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
Height of dominant trees for a given species reference age of 50 years.
Most are derived from curves based on the age and height of the leading species. Where an accurate SI cannot be calculated from age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when access to it was considered prevent, e.g. young stands (<30yrs). It is denoted by a dash which always precedes 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 records):

NON-TREED SHRUB
- st SHRUB TALL - shrub with average shrub height > or = to 4m is mature.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h 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 SHRUB
- Sy SHRUB - shrub with no distinction between mosses and lichens by cover.
- m SHRUB - MOSSES - bryoid with the majority of the bryoid cover > 50% of the bryoid cover.
- li SHRUB - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED CATEGORIES (for V and I records):

ac	ASH DEP.	gp	GRAVEL PIT	mo	MUDFLAT SEDIMENT
bc	BEACH	la	LAKE	mr	ROCK TYPING SPOILS
bf	BOULDERFIELD	lg	LOGGED	or	ORGANIC
br	BEDROCK	ll	LANDING	ot	OTHER
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS	sf	SNOW COVER
cl	CLIFF	ls	LANDSLIDE TYPE	sn	SNOW PATCH
eb	EXPOSED SOILS	mn	MORAINE	r	RIVER / STREAM

ID: Note: these categories (ac, ac, r) normalized over 50 percent coverage.

mr	RESERVOIR MARGIN
ra	RAZED/ CLEARCUT
rs	RIVER SEDIMENTS
rd	ROAD SURFACE
tl	TALUS
un	UNKNOWN
v	VARIA

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

A	ALPINE	NP	NON PRODUCTIVE	SNAG	SNAG
AF	ALPINE FOREST Species	NPB	NON PRODUCTIVE BRUSH	SP	SHRUB FLAT
C	CULTIVATED	NPBC	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Species		
D	DEBRIS SLIDE	NPR	NON PRODUCTIVE RANGE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OA	OPEN AWASE	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
L	LANDING	R	ROAD	NPBR	NON PRODUCTIVE RESTOCKED
MO	MOUTFLAT	S	SWAMP	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.

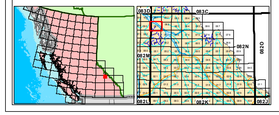
A	Animal Damage	L	Logging
B	Birds	N	Non-Biological Injuries
C	Cone and Seed Insects	P	Cone and Seeding Fungal Pathogens
D	Diseases	R	Site Rehabilitation
I	Insects	T	Treatment Injuries
		U	Domestic Use/Action
		V	Problem Vegetation

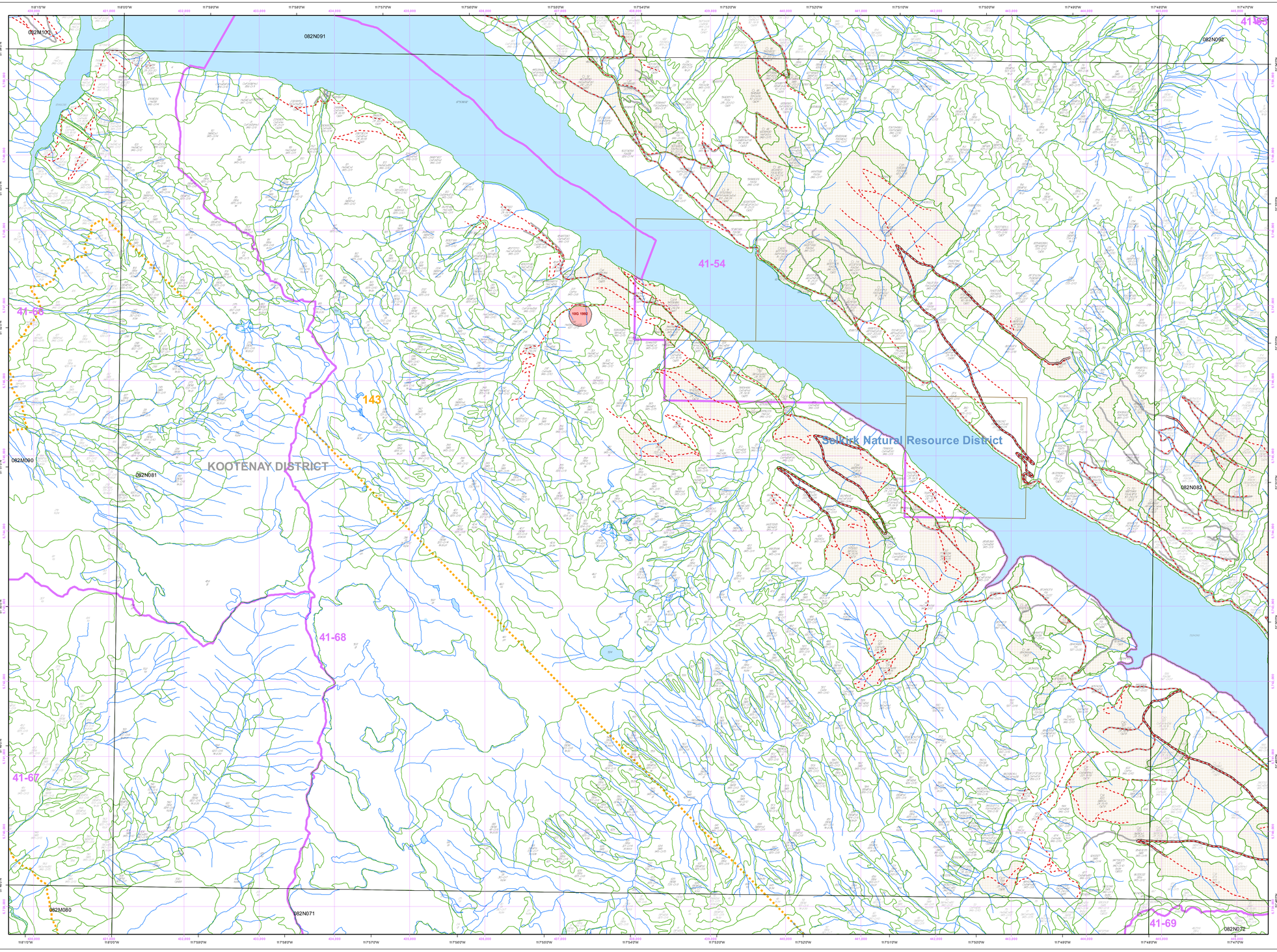
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either ArcMap. The MapView example is attempting to REVEAL:

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

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





Overflow Labels

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