082M019

Vegetation Map
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BRITISH COLUMBIA
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 - VRMS / Ownership
Base Map Source: TRIM / Tantalis

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, 2014

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrkedfeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- RW 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 (> 1,000,000 ha - 15 % hatch)
- Municipal boundary (< 1,000,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Mapsheet Grid (120,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1. Polygon 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 - Site Index / estimated SI
ex: stand is mature (5 = 81-140 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m by estimated site index (2) and 4 by height (site index Descriptor)
5. Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

'OGP' - opening number valid for BCGS mapsheet — 'NEW' - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIM3 Polygon Number - ranging from one to nine digits
A, - 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
Y	YELLOW Yellow Cedar
Cw	CYPRESS Western Redcedar
Yc	Yellow Cedar
Fd	DOUGLAS FIR
Fc	Coastal Douglas Fir
Fdi	Coastal Douglas Fir
Fd	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
Bi	Alpine Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
H	Unspecified Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodge Pole
Pli	Lodgepole Pine (Interior)
Plc	Lodgepole Pine (Coastal)
Pxj	Lodgepole x Jack Pine hybrid
Pf	Whitebark Pine (Limber)
Pfo	Rocky Mtn. Bristlecone Pine
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Ss	Black Spruce
Se	Engelmann Spruce
Sb	Sitka Spruce
Sw	White Spruce
Sx	Hybrid Spruce
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Act	Black Cottonwood
Ax	Hybrid Poplars
Ac	Balsam Poplar
Ep	Paper Birch
Ew	Water Birch
K	CASCARA
Ue	ELM
Ui	American Elm
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vv	Unspecified
Vu	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Broadleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bantry's)
Ww	Pussy Willow (grey-leaved)
Wr	Red Willow
Wi	Sitka Willow (rive-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown broadleaf
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

	APPLE
Ua	Apple
Act	ASPEN, COTTONWOOD or POPLAR
Ad	Southern Cottonwood
	BIRCH
Ek	European Birch
Ekp	Purple Leaved (weeping)
Ey	Yellow Birch
	CHERRY
Ys	Japanese Cherry
	CYPRESS
Yp	Port Orford Cedar
	LARCH
Ld	European Larch
Lk	Japanese Larch
	MAPLE
Mk	Box Elder
Mr	Norway Maple
Ms	Sycamore Maple
	Oak
Qe	English Oak
Qm	Pedunculate
	OTHER EXOTICS
Ox	Incense Cedar
Ou	Monterey Cedar
Oc	Coast Redwood
Ol	European Mountain Ash
Oa	Mountain Ash (Rowan)
Of	Common Fig
Og	Dragon Ash
Oh	Horse Chestnut
Ot	Strawberry Hickory
Oj	Tree of Heaven
Ok	Japanese Walnut
	PINE
Pm	Monterey Pine
Pn	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)
1	6 - 10
2	11 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
0	86 - 100

4d. SITE INDEX
All SI estimates are the mean site metre reference at 50 years Breast Height Age. SI is based on the age and height of the dominant trees. Site index is estimated when the breast height age and height, estimated 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 (<30yrs). It is denoted by a slash which always follows the SI and is followed by the SI Code (Site Index Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES: (for 'v' and 'r' records)

NON-TREED SHRUB
- w SHRUB TALL - shrub with average shrub height > or = to two metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- h HERB - herb with no distinction between forbs and graminoids.
- f HERB - FORBS - herb with forbs > 50% of the herb cover.
- g HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOID - bryoid with no distinction between mosses and lichens by cover.
- m BRYOID - MOSS - bryoid with mosses > 50% of the bryoid cover.
- l BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES: (for 'v' and 'r' records)
- ap AIRPORT
- be BEACH
- bl BOULDERFIELD
- br BEDROCK
- bu BURNED AREA
- cl CLIFF
- ew EXPOSED SOILS
- gl GLACIER
- gp GRAVEL PIT
- la LAKE
- lk LAKE BED
- li LANDING
- pe POND or LAKE SEDIMENTS
- rd ROAD / TRAIL
- rm RIVER / STREAM SEDIMENTS
- rs ROCK
- sn SNOWBANK
- mu MUD/FLAT SEDIMENT
- mr RUBBLY WIKE EPOLS
- ot OTHER
- sl SNOW COVER
- sw SNOW / WATER
- ta TALUS
- tz TIDAL ZONE
- ub URBAN
- rm RESERVOIR MARGIN
- rm RAILWAY SURFACE
- rp RIVER / POND
- ro ROAD SURFACE

Note: Water categories (la, pe, rs, rv) will be labeled over 50 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for 'n' records)

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
C	CLOSED FOREST (Species)	NPBR	NON-PRODUCTIVE BRUSH	TEL	TELUS FLAT
O	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	URBA	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST (Species		
G	GRASS / HERB	N/A	NOT APPLICABLE	NC	NON-COMMERCIAL
GR	GRAVEL BAR	NCBR	NON-COMMERCIAL BRUSH		
ICE	ICEFIELD	PP	NON-PRODUCTIVE	NP	NON-PRODUCTIVE
L	LOW BROOM	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
M	MEADOW	SNWP	SNWP	NTA	NO TYPING AVAILABLE
MUD	MUD/FLAT				

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.

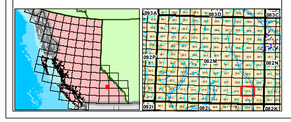
- A Animal Damage
- B Wildfire
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- M Mile Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

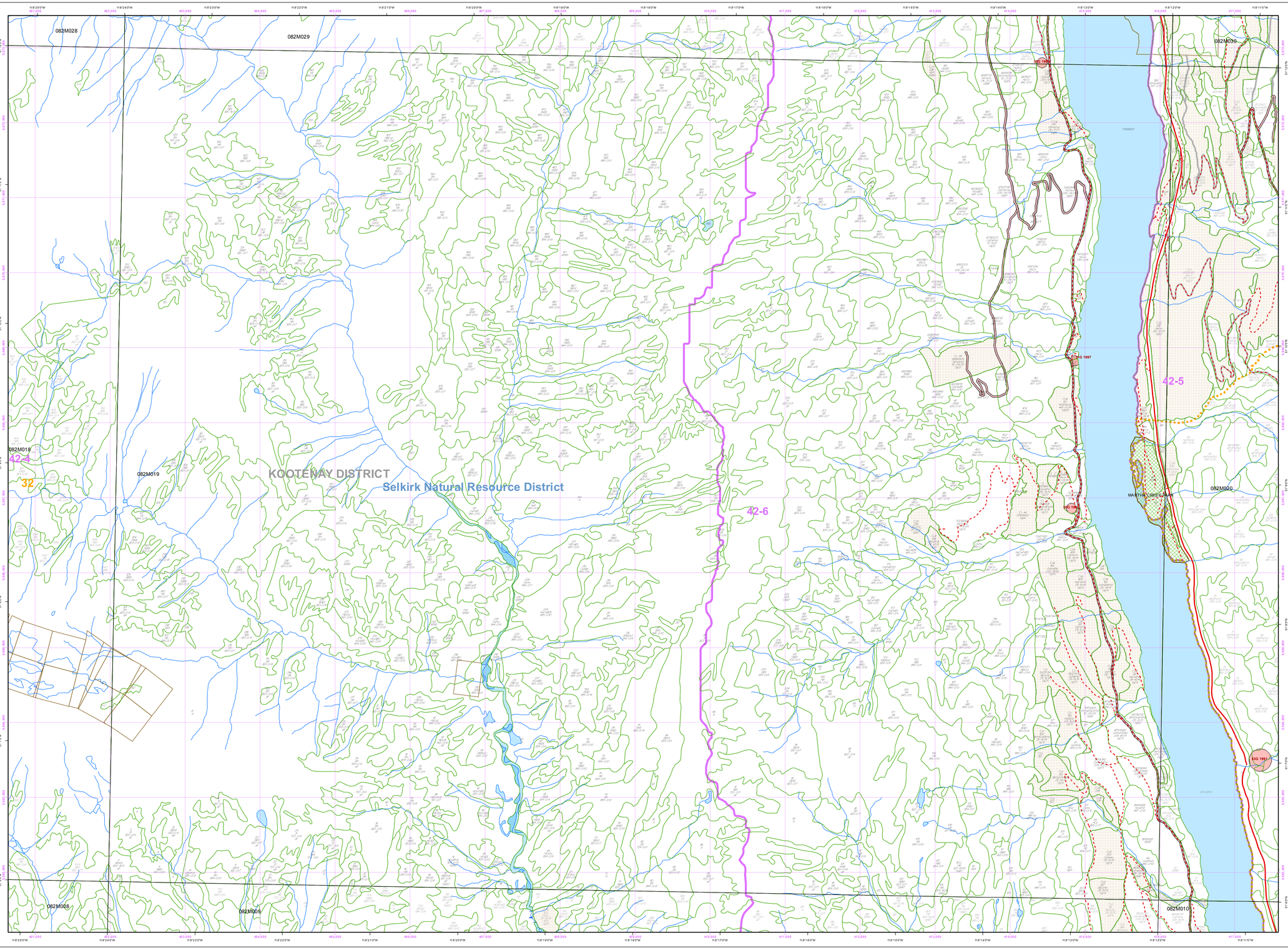
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed 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" to turn on display values for :

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





Overflow Labels

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