082K019

Vegetation Map
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Scale 1:20,000

0 0.25 0.5 0.75 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / 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 contained in the warehouse is derived from a wide data Catalogue. Only the administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revised June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM_Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fairies
- Other lines
- Powerlines
- Pipelines
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodrivefeatures - 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 District boundary
- Administrative boundary
- Survey Parcels - Terrains
- Municipal boundary (1:1,000,000 ha - 10 % fetch)
- Municipal boundary (1:1,000,000 ha+ - no fetch)
- 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 layers is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age Class, Height Class, Crown Closure Class, Site Index, Estimated Site Index
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-10%), SI 20m
5 Vegetated Density Class (or Non-Forest Productive Description)
ex. a fen& 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 — *box* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRMS 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
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
B	Subalpine Fir (Alpine)
Bl	Alpine Fir
Hm	Mountain Hemlock
He	Western Hemlock
H	HEMLOCK Western Hemlock hybrid
H	JUNIPER
J	Rocky Mtn. Juniper
Js	Scopulorum Juniper
L	LARCH
Ll	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pl	Lodge Pole
Pli	Shore Pine
Plc	Lodgepole Pine
Pla	Lodgepole Pine (Alpine)
Pxj	Lodgepole x Jack Pine hybrid
Pxl	Lodgepole x Whitebark Pine
Py	Ponderosa Pine
Pw	Western White Pine
Pf	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	White Spruce
Sw	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x White hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	DOGWOOD
Dr	Red Osier
E	ALDER
Ea	Red Alder
Ep	Paper Birch
Ew	Sitka Alder
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Ac	Poplar
Act	Black Cottonwood
Acb	Balsam Poplar
Ax	hybrid Poplars
Ae	Trembling Aspen
K	MAPLE
Ka	Amabilis Maple
Kb	Broad-leaf Maple
Kc	Douglas Maple
Kg	Bigleaf Maple
Km	Mountain Maple
Kr	Red Maple
Ks	Sitka Maple
Kx	Hybrid Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Balsam)
Wd	Pussy Willow (grey-leaved)
Wh	Hooker's Willow
Ww	Willow Willow (low-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (deciduous tree)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ue	ELM
Ul	Apple
Ut	ASPEN, COTTONWOOD or POPLAR (BALSAM)
Uc	Black Cottonwood
Ub	European Birch
Uk	Japanese Cherry
Uy	Yellow Birch
Uw	CHERRY
Ui	Black Cherry
Ue	CYPRESS
Ug	Pond (Gold) Cypress
Uh	HAWTHORN
Ub	Siberian Pea Tree
Ul	LARCH
Ulk	Siberian Larch
Ulj	Siberian Larch
Ut	MAPLE
Uba	Box Elder
Ubm	Norway Maple
Ubp	Sycamore Maple
Um	OAK
Umb	English Oak
Ump	Pin Oak
Uo	OTHER EXOTICS
Uoa	Incense Cedar
Uoc	Monterey Cedar
Uoc	Coast Redwood
Uof	European Mountain Ash
Uoh	Horse Chestnut/Buckeye
Uof	Corkscrew Filbert
Uog	Dragon Ash
Uoh	Hackberry
Uoh	Shagbark Hickory
Uoj	Tree of Heaven
Uol	Black Walnut
Uop	PINE
Uop	Monterey Pine
Uos	Scots Pine
Uot	Total Pine
Uo	SPRUCE
Uo	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	141-200
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 site indices are measured/estimated at 50 years
Age Source: "E" is based on the type and height of the leading species. Whereas accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

Site Species: Species code for the leading tree species present, e.g. Interior Douglas Fir (Fdi). If SI is estimated a 4-digit 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
- sa SHRUB — shrub with average shrub height > or = to 1m makes.
- st SHRUB LOW — shrub with average shrub height < 1m 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 BRYOID
- by BRYOIDS — bryoid with no distinction between mossie and lichens by cover.
- bm BRYOID - MOSS — bryoid with mossie, liverwarts, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS — bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

w	WATER	mu	MUDFLAT SEDIMENT
be	BEACH	mr	RUBBLY MINE SPOILS
bl	BLOCKFIELD	o	OCEAN
r	ROCK BLUFF	s	SNOW
bu	BURNED AREA	sc	SNOW COVER
cb	CUTBANK	re	RESERVOIR
rs	ROCK SLIDES	st	STREAM
gl	GLACIER		Note: Water polygons in rivers is not labelled as will stream coverage

mr	RESERVOIR MARGIN
rm	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ro	ROAD SURFACE
ta	TALUS
tl	TAILINGS
u	URBAN

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON-PRODUCTIVE BRUSH
AT	ALPINE TREES	NPF	NON-PRODUCTIVE FOREST
CL	CLAY BANK	NPFX	NON-PRODUCTIVE FOREST (Species
G	GRAVEL BAR	NPA	NOT APPLICABLE
GC	GRAVEL CRUSHER	NPC	NON-PRODUCTIVE
KE	KEWEENAW	PY	PARTIALLY
M	MEADOW	R	ROCK
MW	MEADOW (wet)	S	SWAMP

SAND	SAND
TIDE	TIDAL FLAT
U	URBAN
NC	NON COMMERCIAL
NPBR	NON-PRODUCTIVE BRUSH
NP	NON-PRODUCTIVE
NSR	NOT SUFFICIENTLY RESTOCKED
NPA	NOT APPLICABLE

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.

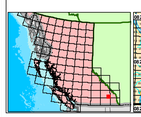
A	Animal Damage	L	Logging
B	Wildfire	M	Human Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation
U	Damage Unknown
V	Problem Vegetation

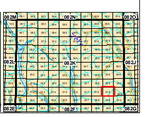
Example Opening History Details

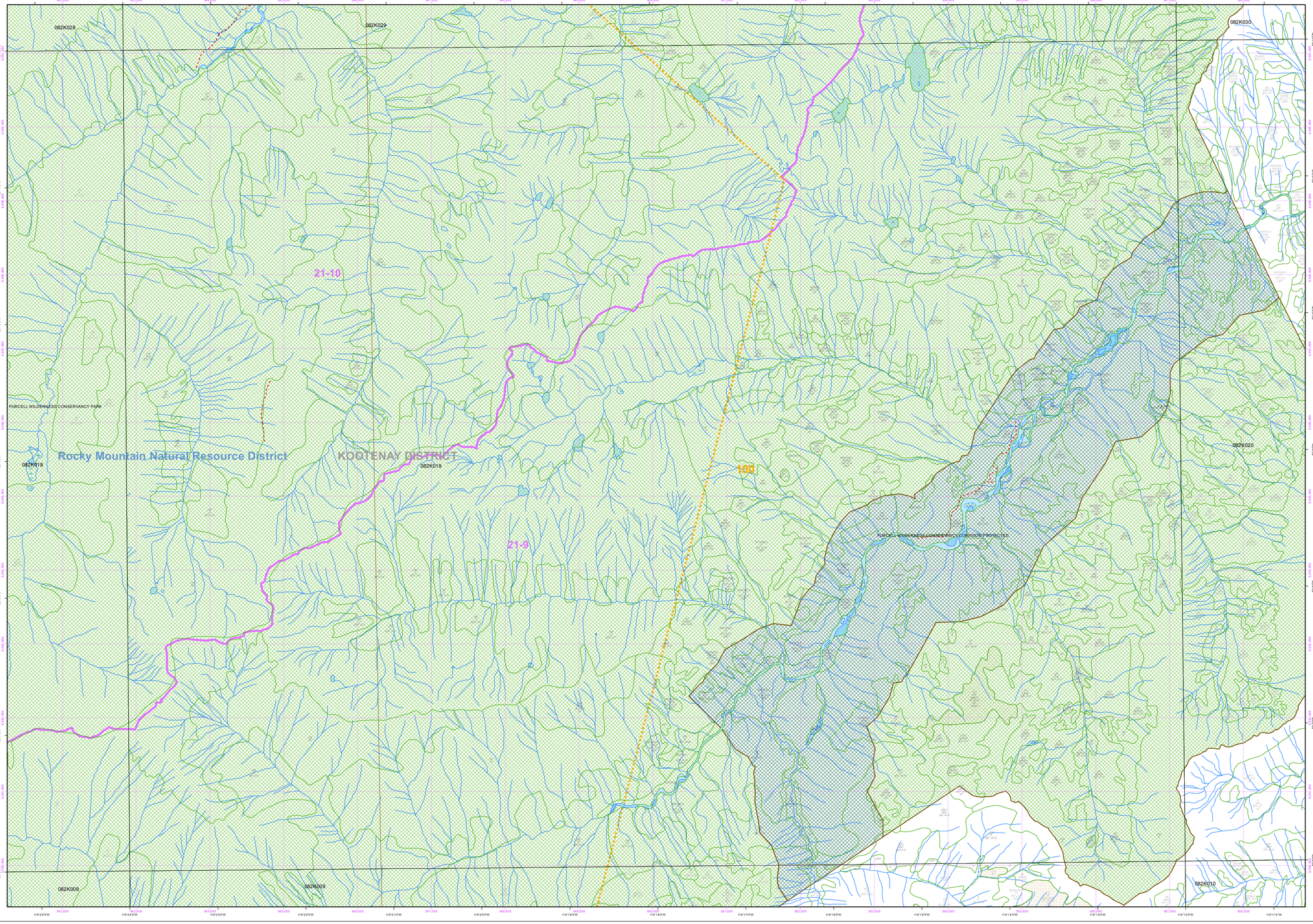
Detailed Silvicture information is available on the BCGW utilizing a WebFOIP or ArcMap. The MapView example is of Interior RESULTS data.

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

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







Overflow Labels

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