082K039

Vegetation Map
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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 / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to display on a standard computer screen or printed on a standard colour printer. Quality of the information depicted on this paper map 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)

Lands Projected To: January 1, 2015

MAP SYMBOLOGY

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

TRIM - Base Features:
- No Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Parkes
- Other Area
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Built Area Boundaries - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MLNRO 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 (1:1,000,000 ha - 10 % hatch)
- Municipal boundary (1:1,000,000 ha - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Wasteheet G-tnc(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 (Douglis Fir) and Hw (Western Hemlock).
4 Age Class, Height Class, Crown Closure Class, Site Index, Site Index Estimate
ex. stand is age class 2 (21-40 yrs); height class 1 (0.1-10.4m); crown closure class 1 (0-10%); SI 29m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex. a Recently logged 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

OGN - opening number valid for BCGS mapsheet OGN# - 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

The following species codes are labeled in their order of predominance. Major first Minor in brackets.
The following codes are based on "Tree B.C.: Ministry of Forests Tree Code List" version 4.0 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
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jc	Creeping juniper
L	LARCH
Lt	Alpine Larch
Lw	Western Larch
P	PINE
Pa	Jack Pine
Pf	Limber Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (Interior)
Plg	Lodgepole x Jack Pine hybrid
Pm	Mountain Hemlock Pine
Pp	Black Pine (Japan)
Pw	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	Sitka Spruce
Sw	White Spruce
Sxe	Sitka x Engelm.
Sxw	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
E	APPLE
Up	Pacific Crab Apple
Act	BALSAM, COTTONWOOD or POPLAR
Ac	Poplar
Apb	Balsam Poplar
Apt	Trembling Aspen
Ax	Hybrid Poplar
B	BIRCH
Ep	Alaska Paper Birch
Epg	Alaska x Paper Birch hybrid
Ey	Paper Birch (white)
Eyv	Vine Birch
G	GARRY OAK
Go	Garry Oak
K	Cascara
Kc	Cascara
V	Elder, Cherry
Vc	Choke Cherry
Vp	Pin Cherry
W	WILLOW
Wa	Undifferentiated Willow
Wb	Bebb's Willow
Wc	Coast Willow
Wd	Peachleaf Willow (Booth's)
Wet	Pussy Willow (grey leaved)
Wg	Sitka Willow
Wl	Sitka Willow (low leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xo	OTHER (less known tree)
Xu	other conifer
Xv	other hardwood

EXOTICS

E	APPLE
Act	BALSAM, COTTONWOOD or POPLAR
Ae	Southern Cottonwood
Ag	Grey Alder
Ea	European Birch
Ep	Silver Birch (exempt)
Epu	Purple Birch
Eyc	CHERRY
Ys	Sweet Cherry
Yt	Bird Cherry
Yu	Pyrus Ussuri Cedar
F	FIR (Balsam)
Fa	Amabilis Fir
H	Noble Fir
Hg	Grands Red Fir
Hs	Silver Fir
J	LARCH
Lk	Tamarack Larch
Lp	European Larch
MAPLE	
M	Bigleaf Maple
Mb	Broadleaf Maple
Mn	Norwegian Maple
O	OAK
Oa	English Oak
Or	Red Oak
OTHER EXOTICS	
Ob	Hickories Cedar
Oc	Chestnut
Ol	Cork Redwood
Ow	European Mountain Ash
Ox	Undifferentiated Exotic
P	Common Plane
Pg	Oregon Ash
Pn	Norway Ash
Q	Strawberry Hickory
Qi	Tree of Heaven
Qw	Black Walnut
PINE	
Pm	Monterey Pine
Pn	Austrian 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	141-160
9	161 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 27.4
4	28.5 - 37.4
5	37.5 - 44.4
6	45.5 - 53.4
7	53.5 - 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 SI are shown to the nearest metre referenced at 50 years breast height age. Site index is estimated for all stands (including backlog stands). When an accurate SI cannot be determined because of age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren't present, e.g. non-forested polygons, or SI = 0. SI is also estimated for younger stands where previous SI records and trends in the data base are incomplete. Type Group and SI estimated source code.

Line 5 - Vegetation records

VEGETATED NON TREE CATEGORIES: (for V and I polygons)

NON-TREED SHRUB
- sb SHRUB - shrub with average shrub height > or = to two metres.
- w 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 - herbs with graminoids > 50% of the herb cover.

NON-TREED SHRUB/HERB
- bs SHRUB/HERB - tryoid with no distinction between moose and lichens by cover.
- bf SHRUB/HERB - FORBS - tryoid with forbs > 50% of the tryoid cover.
- bl SHRUB/HERB - LICHENS - tryoid with lichens > 50% of the tryoid cover.

NON-VEGETATED
- al Exposed Land
- ar Rock Only
- o Snow / Ice

NON-VEGETATED CATEGORIES: (for V and I polygons)

ae	AIRPORT	gr	GRAVEL PIT
au	URBAN	ic	ICE
bl	BLOCKFIELD	la	LAVA BED
bo	BOULDERS	lk	LAKE
cb	BURNED AREA	mc	MUSKEG LAKE SEDIMENTS
cb	CUTBANK	mi	OPEN PIT MINE
cn	CONSTRUCTION	mu	MORAINE
ds	DUNE SAND	mv	MUDFLAT SEDIMENT
dt	DOUBLE MINE SPOILS	oc	OCEAN
ds	DUNE SAND	or	OREBODY
ec	ENDS OF LAKE SEDIMENTS	os	SNOW COVER
es	ESTUARY	re	RESERVOIR
fl	FLOOD PLAIN	rv	RIVER / STREAM
		rm	RESERVOIR MARGIN
		rp	RIVERBANK SURFACE
		rs	RIVER SEDIMENTS
		rz	RIVERBED SURFACE
		sl	SLUG
		tl	TALINGS
		u	URBAN

Note: Water categories are considered non-vegetated when cover is 80 percent coverage.

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

A	ALPINE	NP	NON-PRODUCTIVE
AF	ALPINE FOREST (Species Composition)	NPBR	NON-PRODUCTIVE BRUSH
BE	BEACH	NPCL	NON-PRODUCTIVE CLOSED
CL	CLAY BANK	NPOP	NON-PRODUCTIVE OPEN
G	GRAVEL BAR	NFA	NO TYPING AVAILABLE
I	ICEFIELD	NFL	NON-FOREST LICHEN
ICE	ICEFIELD	P	HAYFIELD
M	MEADOW	R	ROCK
MUD	MUD FLAT	S	SWAMP
		SAND	SAND
		TIDE	TIDAL FLAT
		U	URBAN
		NC	NON COMMERCIAL
		NCBR	NON COMMERCIAL BRUSH
		NF	NON-FORESTED
		NSR	NOT SUFFICIENTLY RESTOCKED
		NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type codes preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

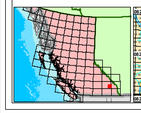
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
D	Insects & Seed Insects	N	Non Biological Injuries
D	Diseases	P	Core and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

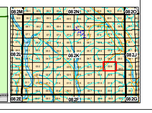
Example Opening History Details

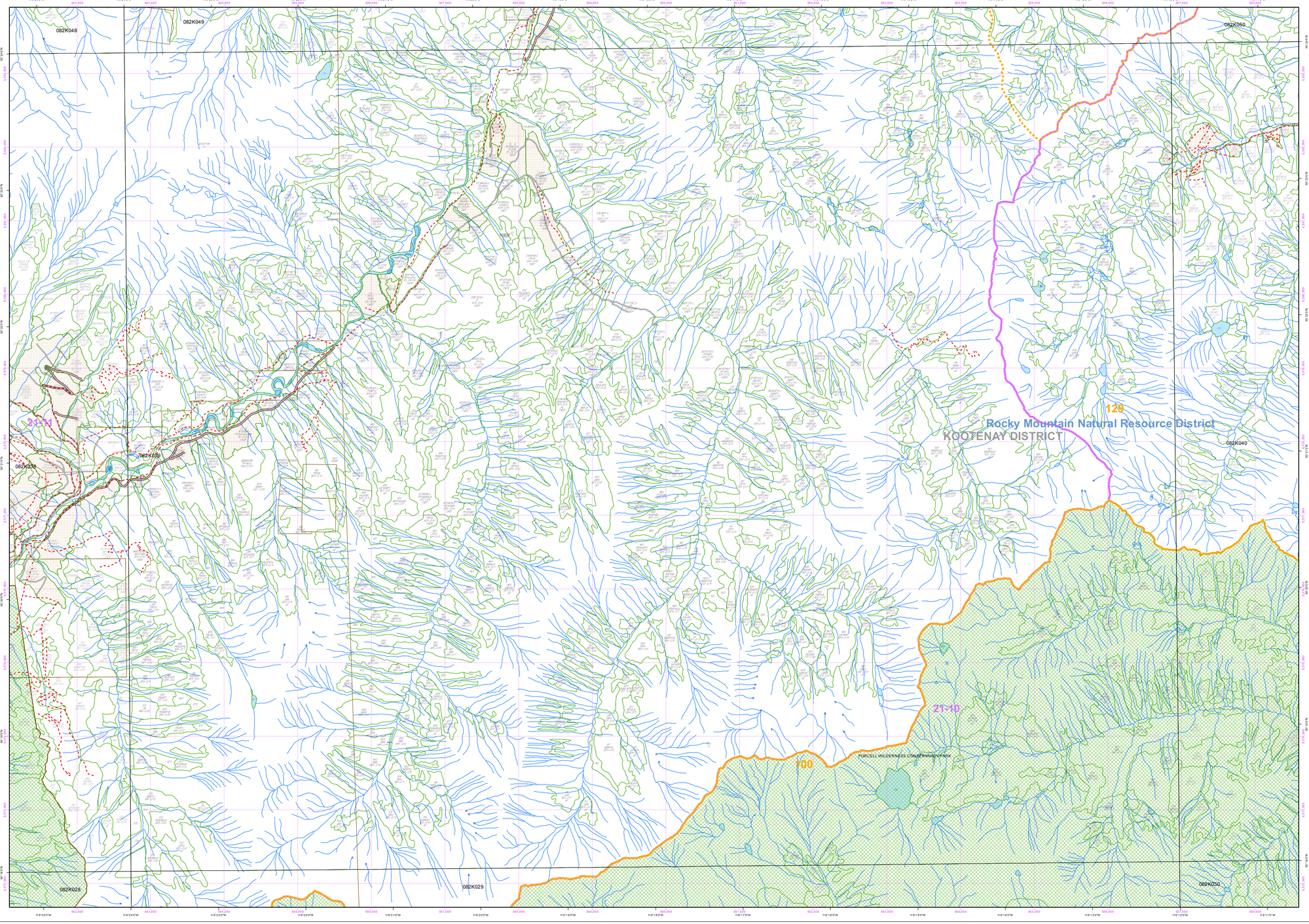
Detailed Silviculture information is available on the BCGW utilizing either ARF or ArcMap. The MapView example is of Inverted RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the ESILVICULTURE tab then click on "Display Silviculture Data". To turn on a display values for:

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







Overflow Labels

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