Vegetation Map
082J013

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 / 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 printer. Because of this, some of the information portrayed may not be complete and up to date (labels & 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (2010)
- Research Installations

TRIM - Base Features:
- 4x4 Trail
- Forest Service Road/Lane
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Ski Fields
- Other Vias
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrostructures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region Boundary
- Resource District boundary - FADM
- M.O. Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land Grants boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (1:1,000,000 to ~1:5 Mil)
- Municipal boundary (1:1,000,000 to ~1:5 Mil)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- MOSS Mapsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
for the most important layer is described as Fd (Douglas-Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separation: Site Index / estimated SI
An 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
6 Disturbance History (natural disturbance type and year) and gains/outs, shrubs less that 2m.

Line 1 - History Record Coping Number

opening number used for BCGS mapsheet — 2429 - 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 lsted 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
Ce	Alaska Yellow Cedar
Cw	CYPRESS
Yc	Yellow Cedar
F	FIR (Balsam)
Fd	Douglas-Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Fa	FIR (Balsam)
Fb	Subalpine Fir
Bg	Grand Fir
Fl	Fraser Fir (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwk	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sitka/Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Whitebark Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plh	Lodgepole x Jack Pine hybrid
Pj	Jack Pine (banksiana)
Pw	Shore Pine (Lowland)
Pwa	Western White Pine
Py	Ponderosa Pine
S	SPRUCE
Sa	Alaska Spruce
Se	Engelmann Spruce
Ss	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Sitka x Engelmann hybrid
Sxl	Sitka x White
Sxw	White x Engelmann hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	Sitka Alder
Ue	Pacific Crab Apple
Ep	Black COTTONWOOD or POPLAR
Ac	Paper
Ass	Balsam Poplar
At	Trembling Aspen
Ad	Hybrid Poplar
Ag	Black Cottonwood
E	ELM
Ew	Rock Elm
Ep	Alaska Paper Birch
Ex	Alaska Paper Birch hybrid
Ew	Paper Birch (white)
Ew	Water Birch
K	Kinnikinnick
Ka	Cascara
V	VINE MAPLE
Vc	Bitter Cherry
Vf	Pin Cherry
Vp	Choke Cherry
W	WOODWARD
Wb	Bebb Willow (Diamond-leaved willow)
Wa	WAPITI
Wp	Bigleaf Maple (broadleaf)
Wi	Willow
Wil	Willow
Wp	Bigleaf Maple
W	WILLOW
Wa	Pacific Willow
Wb	Peach-leaf Willow
Wg	Peachleaf Willow (Bebb's)
Wh	Hooker's Willow (Myrtle)
Wr	Scouler's Willow
Wr	Sitka Willow (lowbrush)

UNKNOWN

Xc	unknown conifer
Xh	unknown hardwood
Xl	OTHER (less known tol)
Zz	other conifer
Zy	other hardwood

EXOTICS

A	APPLE
Ae	Apple
Ap	POPLAR, COTTONWOOD or POPLAR
Ar	Northern Cottonwood
Ax	Poplar
Ba	European Birch
Bs	Silver Birch (exotic)
Bp	Paper Birch
Cr	CHERRY
Cp	Pin Cherry
E	ELM (Exotic)
Ep	Siberian Elm
Ew	Scotch Elm
Bb	Balsam Fir
Bf	Fraser Fir
Bs	Douglas-fir
Bc	White Fir
F	FIR
Lt	Tamarack Larch
Lw	Western Larch
M	MAPLE
Mr	Red Maple
Ms	Silver Maple
Mb	Manitoba Maple
Mo	Norway Maple
Ge	English Oak
Gw	White Oak
O	OTHER EXOTICS
Oa	Tatarian Cedar
Oc	Chinese Cedar
Or	Cedar Redwood
Ob	Black Locust/Scotch
Ol	Siberian Elm (Scotch)
Of	Common Pear
Oh	Horse Chestnut
Ot	White Ash
O	Shagbark Hickory
Oj	Japanese Elm
Oj	Japanese Walnut
P	PINE
Pn	Nanway Pine
Pr	Red Pine
Pw	Regal Pine
Pr	PRUNUS
Pc	Mayday Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	0-20
2	21-40
3	41-80
4	81-100
5	101-120
6	121-140
7	141-250
8	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 13.4
3	13.5 - 19.4
4	19.5 - 22.4
5	22.5 - 27.4
6	27.5 - 31.4
7	31.5 - 34.4
8	34.5 - 37.4
9	37.5 - 40.4
0	40.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	6 - 10
2	11 - 15
3	16 - 20
4	21 - 25
5	26 - 30
6	31 - 40
7	41 - 50
8	51 - 60
9	61 - 70
0	71 - 80
1	81 - 90
2	91 - 100

4d SITE INDEX
Site index is a measurement referenced at 50 years breast height age. It is based on the height of dominant and co-dominant trees measured in a stand which meets basic stocking standards. When an accurate SI cannot be obtained from sample trees, an estimated SI may be assigned.

4e. ESTIMATED SITE INDEX
Estimated site index is based on the biogeoclimatic ecosystem classification (BEC) system. It is based on a stand which meets provincial E. Associated Tools in the data base are inventory type descriptions and SI estimated source code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5a'a' and i,w-code)

NON-TREED SHRUB

SA	SHRUB-ALDER
SB	SHRUB-OTH

- shrub with average shrub height > or = to two metres.
- shrub with average shrub height < two metres.

NON-TREED HERB

H	HERB
HG	HERB - GRAMINOID
HN	HERB - GRAMINOID/ NON

- herb with no distinction between forbs and graminoids.
- herb with forbs 50% of herb/shrub cover.
- herb with graminoids > 50% of the herb cover.

NON-TREED MOSS

M	MOSS
MF	MOSS - FORBS
MG	MOSS - GRASS

- moss with no distinction between mosses and lichens by cover.
- moss with forbs > 50% of the moss/lichen cover.
- moss with lichens > 50% of the moss/lichen cover.

NON-VEGETATED CATEGORIES (5a'a' and i,w-code)

BE	BEACH	mu	MUSKEG / SEDIMENT
BL	BLUFF	mp	PEAT / MUSKEG SOILS
BO	BOULDERFIELD	rc	CLIFFS
BR	BURNED AREA	rk	KARST
BU	BURNED AREA	rl	LAVA BED
CL	CLEARCUT	rs	SCREE
ES	EXPOSED SOILS	rv	VOLCANIC ASH / SEDIMENTS
GL	GLACIER	rz	UNCONSOLIDATED
		me	MORAINE

- mw MUSKEG / WATER
- rb BOULDERS / ROCK
- rc CLIFFS
- rk KARST
- rr ROCK OUTCROP
- rs SCREE
- rv RIVER / STREAM

rm RESERVOIR MARGIN
rq QUARRY
rs RIVER SEDIMENTS
sa SALT FLAT
sc SALINE
sw SALINE WATER
u URBAN

None: Water categories (i.e. ss, w, l) not selected are for person coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5a'a' / w-code)

AF	ALPINE FOREST / Gamma	NPBR	NON-PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN
CP	CROPLAND	NPCL	NON-PRODUCTIVE CLEARCUT / Spruce
DA	GRASS / Delta	NPL	NOT FORESTED LANDS
DB	BARREN / Delta	NPLK	NON-PRODUCTIVE LAKE
KR	KRUMHOLZ	PI	WATERS
MA	MARSH	PO	WATERS
MEA	MEADOW	S	SWAMP
NGD	NON-FOREST / Gamma		

- SAND
- TIDAL FLAT
- URBAN

- NON-COMMERCIAL
- NON-FOREST / Alpine
- NON-PRODUCTIVE
- NOT FORESTED / RECENTLY HARVESTED
- NOT FORESTED / UNAVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date.
For a description of disturbance type designators category, refer to official code list for sub-category descriptions.

A	Animal Damage	L	Logging
B	Blasting	N	Non-Forest Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases Insects	P	Cone and Seedling Fungal Pathogens
R	Site Rehabilitation		
S	Silviculture		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

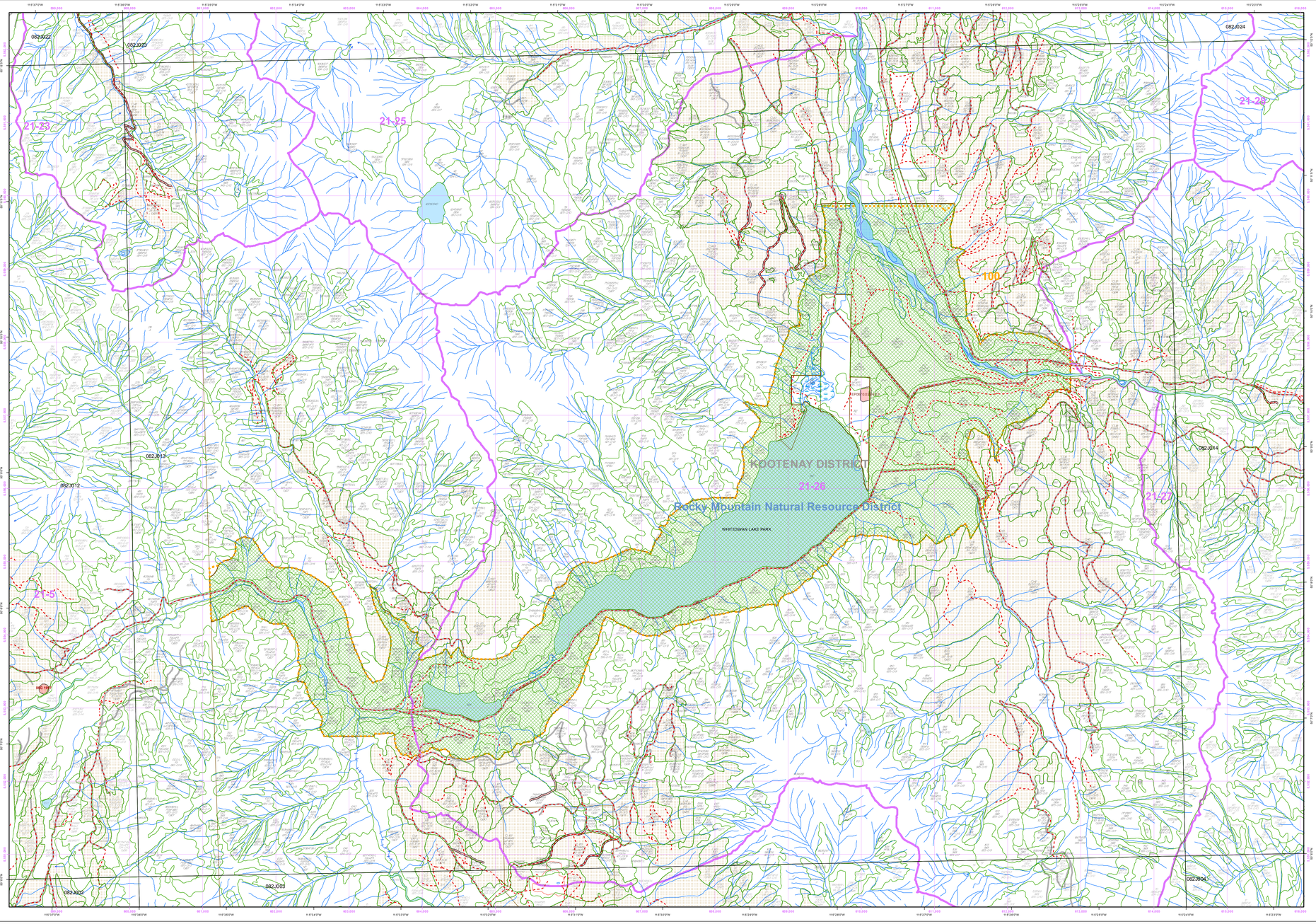
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of Harvest Info (SILOUTS) data.

The Ministry of Forests, Mines and Lands web application VIEWER can be used to display this type of information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING ID
OPENING LABEL
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
WILDLIFE TREE PATCH







Overflow Labels