093B088

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093B088

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 derived 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 on this map is not to be used for legal purposes. Administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (2015)
- Research Installations

TRIM. Base Features:
- Ab Bulk Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- AirFarries
- Other lines
- Powerlines
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Islands/Barriers - 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 - Tantalis
- Municipal boundary (> 1:20,000 thd - 1k % hatch)
- Municipal boundary (< 1:500,000 hd - 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 Polygon Number and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
4 Age, Height, Crown Closure Class Code - separate/ Site Index / estimated SI
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 Vegetated Density Class (or Non-Forest/Productive Description)
ex. a hw/h polygon with no distinction between to/bs and gramminoids, 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

VRMS Polygon Number - ranging from one to nine digits
L - Two-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 dataed 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
B	FIR (Balsam)
Bg	Amabilis Fir
Bl	Subalpine Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hmm	Mountain Hemlock
Hwx	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jd	Standard Juniper
L	LARCH
La	Subalpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pf	Limber Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Pla	Lodgepole Pine (latifolia) Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	Western White Pine
Pa	Western White Pine
Pb	Whitebark Pine
Pxj	Jack Pine x
Sb	Bark Spruce
Se	Engelmann Spruce
Sw	Western Spruce
Sx	White Spruce
Sz	Spruce hybrid
Sxl	Sitka x White
Sxs	Sitka x White
Sxl	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Dl	ASPEN
Dt	Pacific Cott-Aspe
Act	Black COTTONWOOD or POPLAR
At	Poplar
Adt	Balsam Poplar
Ae	Trembling Aspen
Ad	Aspen Poplars
Ae	Trembling Aspen
Ax	Aspen hybrid
E	BIRCH
Ep	Alaska Paper Birch
Exp	Alaska x Paper Birch hybrid
Ew	Water Birch (Red Birch)
Ew	Water Birch
Ec	Cascara
V	CHERRY
Vm	Choke Cherry
Vc	Choke Cherry
Vp	Pin Cherry
Vpp	Pin Cherry
Vpo	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
Q	OAK
Qg	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wbb	Bebb Willow (Beaked)
Wbl	Bebb Willow (gray-leaved)
Ws	Sooner's Willow
Wsp	Sooner's Willow (gray-leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xl	Unknown broad
Xc	Unknown conifer
Z	OTHER (tree not on list)
Zh	other hardwood

EXOTICS

QA	APPLE
Ap	Apple
Act	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ae	*Aspen
Ep	European Birch
Ex	Silver Birch (exotic)
Fa	*Ash species
Cw	CHERRY
Vs	*Sweet Cherry
Vu	*Bird Cherry
Y	*Port Orford Cedar
Fir	FIR (Balsam)
Bc	*Noble Fir
Bn	*Noble Fir
Bnn	*Noble Fir x Fir
Bnc	*Alpha Fir
Lt	LARCH
Lxl	*Dahurian Larch
Lx	*Siberian Larch
Lt	Tamarack
Mr	Box Elder
Mr	*Norway Maple
Mp	*Japanese Maple
OAK	
Qe	*English Oak
Qp	*Pin Oak
OTHER EXOTICS	
Ce	*Incense Cedar
Cn	*Nootka Cedar
Cv	*Coast Redwood
Fe	*European Mountain Ash
Sn	Siberian Elm (southern)
Ge	*Ginkgo
Gp	Oregon Ash
Gn	*White Ash
Gn	*Green Ash Hickory
Qr	*Red Alder
Qs	Japanese Walnut
Pn	Pine
Pnn	*Monterey Pine
Pr	*Red Pine
Pnr	*Red 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 - 48.4
6	47.5 - 56.4
7	56.5 - 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
Site index is the tree height in metres referenced at 50 years breast height age. This is based on the age and height of the leading species. When an accurate SI cannot be obtained from age and height measurements, a projected site index is assigned.

4e. ESTIMATED SITE INDEX
If a estimated site index is used, it appears almost present, e.g. young stands (<30yrs). It is denoted by a slash 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
- SL SHRUBLAND - shrub with average shrub height > or = to two metres.
- d SHRUB LOW - shrub with average shrub shrub < 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 gaminoids > 50% of the herb cover.

NON-TREED BRYOID
- by BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses > 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	rs RESERVOIR MARSH
wi	GLACIER	mr RIVERS, MINE SEDIMENTS	rw RESERVOIR SURFACE
bl	BLOCKFIELD	o OCEAN	rs RIVER SEDIMENTS
bo	BOULDERS	s SNOW	rw RIVER WATER
ta	BURNED AREA	sc SNOW/ICE LAKE SEDIMENTS	t TALUS
cb	CUTBANK	vs OPEN PIT MINE	t TALUNOS
ds	DEBRIS SLIDE	ss SEDIMENT	t TALUS
gl	GLACIER	Note: Water categories lk, ls, rk, rs must be present over 5% percent coverage.	

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

A	ALPINE	NPBR	NON PRODUCTIVE BRUSH
AF	ALPINE FOREST Species	NPBS	NON PRODUCTIVE SHRUB
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST Species
CL	CLAY MINE	NPT	NON PRODUCTIVE
GR	GRAVEL PIT	NRA	NON RECREATION AVAILABLE
GR	GRAVEL PIT	OB	OPEN BANK
M	MEADOW	OP	OPEN PIT
M	MEADOW	R	ROCK
MUD	MUDFLAT	S	SWAMP
SAND	SAND		
TIDE	TIDAL FLAT		
U	URBAN		
		NCBR	NON COMMERCIAL BRUSH
		NCBS	NON COMMERCIAL SHRUB
		NOR	NOT SURVEYED / RESTOCKED
		NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

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

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

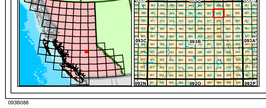
Example Opening History Details

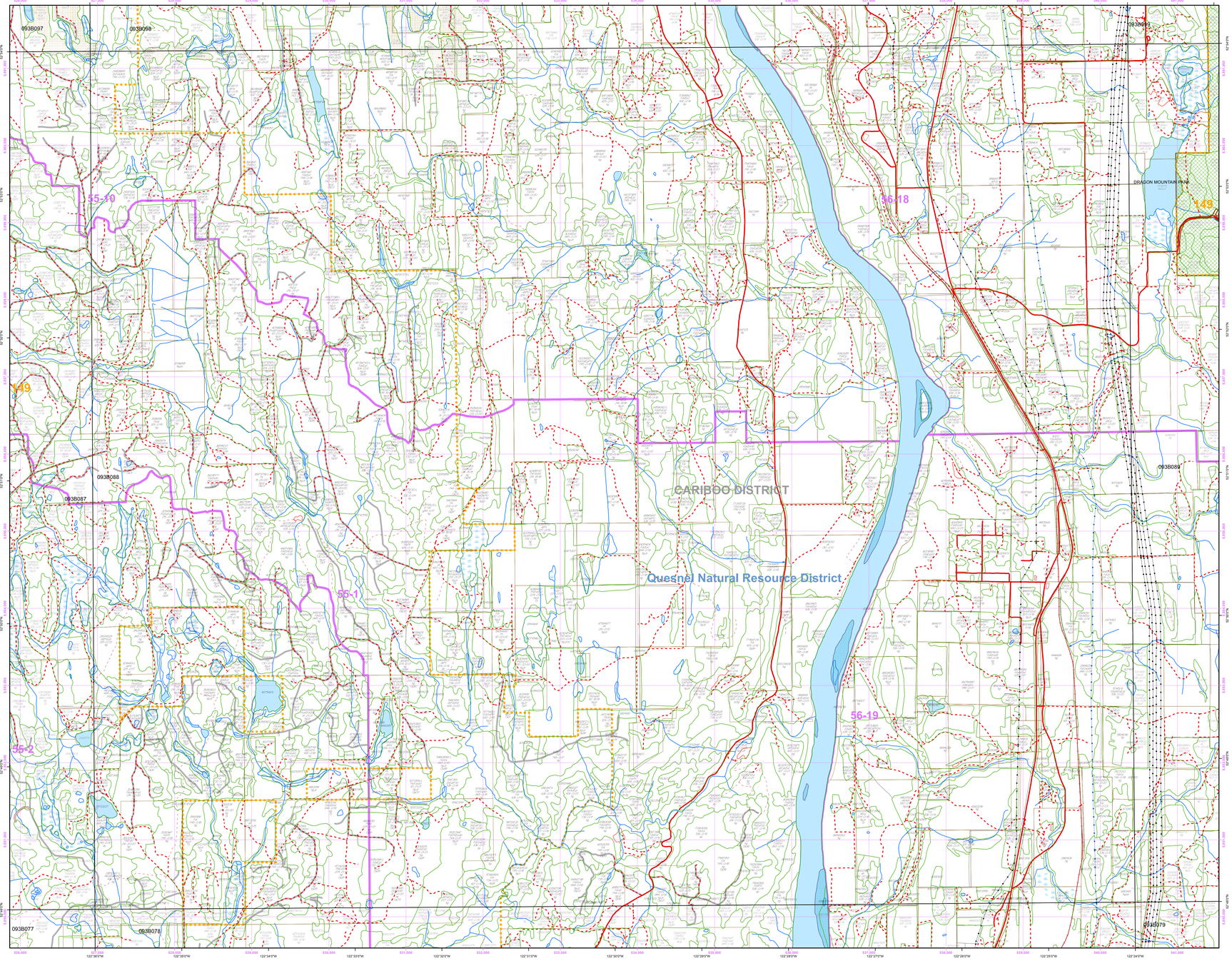
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

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







Overflow Labels

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