082F075

Vegetation Map
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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 - MFMIS / 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 operational 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 revised June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x4 Trails
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolines/Lakes - 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 (1:1000,000 file - 1% hatch)
- Municipal boundary (1:1,000,000 file) - 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. Opening 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 (Douglis Fir) and Hw (Western Hemlock);
4. Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI
ex. age class 4 (61-80), height class 3 (10.5 - 13.4 m), crown closure class 1 (6-15%), SI 20m
5. Vegetated Density Class (or Non-Forest/Productive Description)
ex. a herb 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

0001 - opening number valid for BCGS mapsheet

0001W - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer)

VRIMS Polygon Number - ranges from one to nine digits
L - Multi-layered stand (a separate description of each layer is available in the database, 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

E	CEDAR
Cw	Western Red Cedar
Ce	Yellow Cedar
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
H	HEMLOCK
Hw	Hemlock/Fir
Hg	Grand Fir
Hm	Mountain Hemlock (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mt. Juniper
Js	Sweetly Juniper
L	LARCH
Lw	Western Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pl	Jack Pine
Pf	Limber Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Pyj	Lodgepole x Jack Pine hybrid
Pa	Whitebark Pine (alpine)
Pfj	Black Pine (scrub)
Pw	Western White Pine
Pxj	Limber x Jack Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Sitka Alder
Up	Paper/Oak Aspen
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Abb	Balsam Poplar
Act	Black Cottonwood
Ax	Trembling Aspen
Ac	Trembling Aspen
R	ARBUTUS
Ra	Arbutus
B	BIRCH
Ea	Alaska Paper Birch
Ep	Paper Birch (Alaska hybrid
Ep	Paper Birch (white)
Ew	Water Birch
Ey	Yellow Birch
C	Cascara
V	Dvd HBV
Vp	Pin Cherry
Vv	Choke Cherry
Vp	Pin Cherry
Vm	Bitter Cherry
Gp	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 (Bebb's)
Ww	Pacific Willow (grey leaved)
Wr	Red Willow
Wl	Sitka Willow (low leaved)

UNKNOWN - OTHER

X	UNKNOWN
Xs	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree species list)
Zx	other conifer
Zh	other hardwood

EXOTICS

AP	APPLE
Ax	Apple
Act	BALSAM, COTTONWOOD or POPLAR
Act	*Balsam Gallileoensis*
B	BIRCH
Be	*European Birch*
Ek	*Erman Birch (swamp)*
Ey	*Yellow Birch*
Y	YEW
Ys	*Sweet Cherry*
	CYPRESS
Yo	*Japanese Cedar*
	FIR (Eastern)
Bb	*Balsam Fir*
Bc	*Corkbark Fir*
Bf	*Rhoda Red Fir*
Bl	*White Fir*
L	LARCH
Lcd	*Golden Larch*
Lt	*Siberian Larch*
M	MAPLE
Ma	*Box Elder*
Mh	*Norway Maple*
Mr	*Sycamore Maple*
OAK	
Qe	*English Oak*
Qr	*Red Oak*
	OTHER EXOTICS
Ox	*Incense Cedar*
Ol	*Western Larch*
Or	*Coast Redwood*
Ov	*European Mountain Ash*
Oa	*Siberian Elm (seedling)*
Ou	*Siberian Elm (resistant)*
Ow	*Weeping Willow*
PINE	
Pm	*Monterey Pine*
Pn	*Austrian Pine*
Ps	*Scots Pine*
SPRUCE	
Sr	*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 - 25.4
4	25.5 - 37.4
5	37.5 - 48.4
6	48.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
	86 - 100

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years breast height age. SI may be estimated by a variety of different forestry species. Whenever accurate SI cannot be obtained from 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 (regen) or SI trees are not of a species for which curves are available. Associated fields in the database are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records)

VEGETATED NON - TREE CATEGORIES (for V and I symbols)

NON-TREED SHRUB
- s - SHRUBS - shrub with average shrub height > or = to two metres.
- st - SHRUBS LOW - shrub with average shrub height < than metres.

NON-TREED HERB
- h - HERB - herb with no distinction between forbs and graminoids.
- hg - HERB - GRAMINOIDS - herb with forbs < 50% of the herb cover.
- hf - HERB - GRAMINOIDS - herb with graminoids < 50% of the herb cover.

NON-TREED SHRUB
- bs - SHRUBS - broad with no distinction between evasive and lichens by cover.
- bf - SHRUBS - BROAD LEAVED - broad with lichens < 50% of the shrub cover.
- bl - SHRUBS - LICHENS - broad with lichens > 50% of the broad cover.

NON VEGETATED
- r - ROCK
- rr - Rock / Rubble
- w - Snow / Ice

NON VEGETATED CATEGORIES (for y and I symbols)

ag	AIRPORT	gp	GRAVEL PIT
bk	BEACH	lk	LAKE
bf	BORROW FIELD	ld	LANDFILL
bc	BOWRICK	la	LANDING
bu	BURNED AREA	lc	POND or LAKE SEDIMENTS
cp	CAMP SITE	mi	MINE
ea	EXPOSED SOILS	rr	ROCK / STREAM
gl	GLACIER		

mu	MUD/FLAT SEDIMENT	rm	RESERVOIR MARGIN
mr	RUBBLY MINE SPOILS	rw	RAILWAY SURFACE
sl	SLUMP	rd	ROAD SURFACE
st	STONES	rs	ROAD SURFACE
ps	SNOW COVER	tl	TALUS
pi	SNOW/ICE	ta	TAILINGS
rr	ROCK / STREAM	u	URBAN

Note: Water categories (ea, ec, rr, rc) not labelled over 50 percent coverage.

NON FOREST / NON PRODUCTIVE DESCRIPTIONS (for I symbols)

A	ALPINE	NP	NON PRODUCTIVE
BR	BRUSH or FOREST (Species	NPB	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPD	NON PRODUCTIVE DESC
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
G	GRASS / HERB	OMS	OMINECA MOUNTAINS
GL	GRASS / FIT	OR	OPEN RANGE
KW	ICEFIELD	P	PASTURE
MU	MUD/FLAT	R	RANGE
MUD	MUD/FLAT	S	SWAMP

SAND	SAND		
SF	SILT / FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPBR	NON PRODUCTIVE RESTOCKED		
NTA	NOT FIRM AVAILABLE		

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	Burning	S	Site Preparation
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		

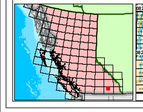
R	Site Rehabilitation
U	Undetermined
G	Damage Unknown
V	Problem Vegetation

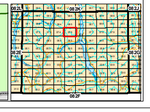
Example Opening History Details

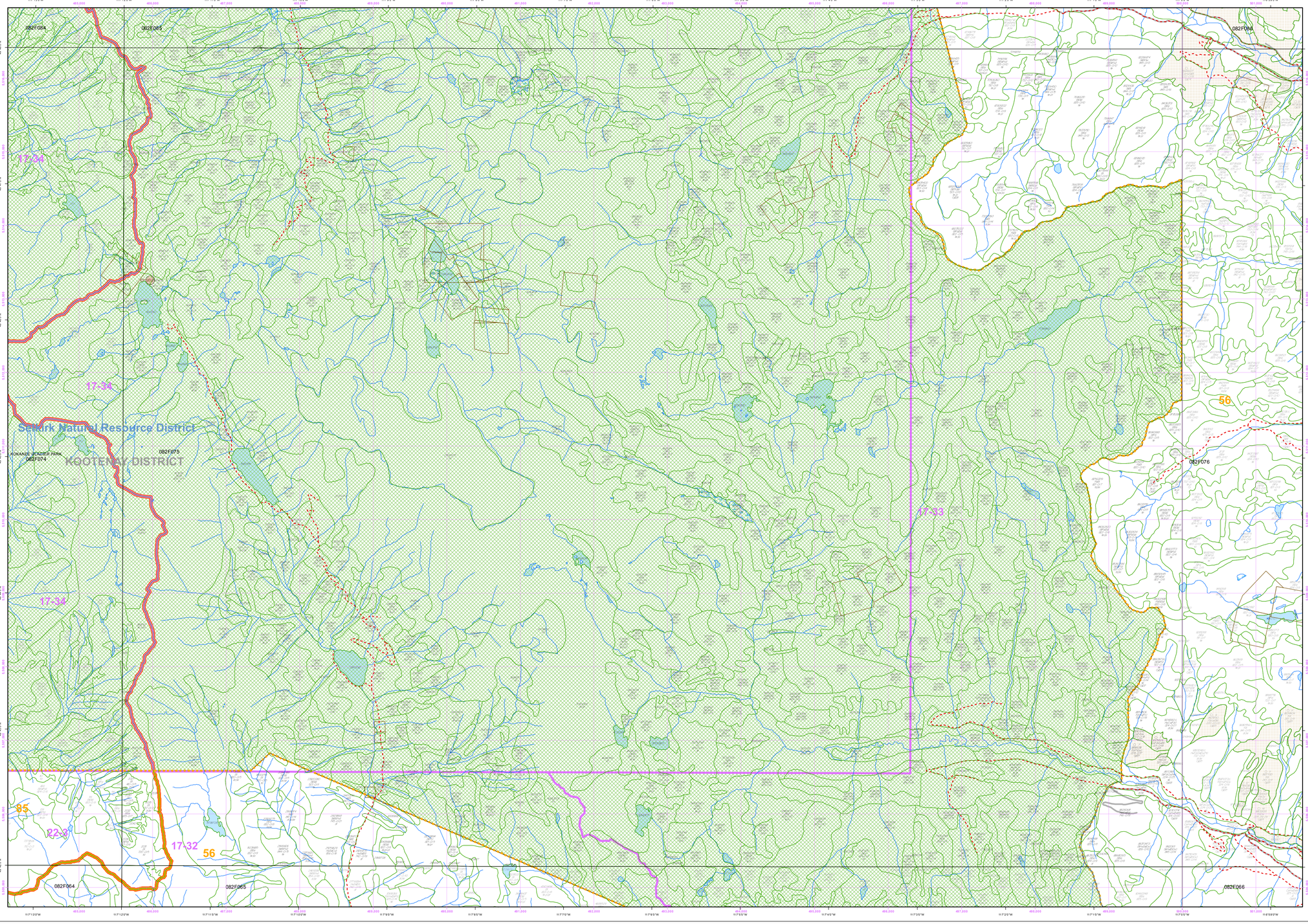
Detailed Silviculture information is available on the BCGW
MAPVIEW application. The Mayview example is
of Interest RESULTS data.

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 Map" 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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