082M094

Vegetation Map
082M094

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 meet the needs of the Ministry of Forests, Lands and Natural Resource Operations. Users are advised that portrayal 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)

Labels Projected To: January 1, 2015

MAP SYMBOLOGY

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

TRIM - Base Features:
- Air Built Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydat Wetlands - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- BC 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 (< 1,000,000 ha - 15 % halo's)
- Municipal boundary (> 1,000,000 ha) - no halo's)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Waterhed 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
4a Age Class (Dominant layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4b Height Class/Crown Closure Class - separated - 5/4a Index (estimated SI
4c stand is age class 2 (21-40 yrs); height class 1 (21-10 mtr); crown closure class 1 (6-15%) ; SI 20m
5 Vegetated Density Class (or Non-Forest/Non-Productive Description)
4x 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

opening number used for RESULTS inventory — 0XXX - =opening number has not been assigned

Line 2 - Polygon No. / Multilayer

VRMS Polygon Number: ranging from one to nine digits
5 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
Y	CYPRESS
Ep	Pacific Yew
F	DOUGLAS FIR
Fd	Douglas Fir
Fdi	Interior Douglas Fir
Fdc	Coastal Douglas Fir
B	FIR (Balsam)
Bl	Subalpine Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpina)
Bm	Amabilis Fir
Hw	Western Hemlock
Hm	Mountain Hemlock
Hxw	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Jc	Common Juniper
L	LARCH
Lw	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (Interior)
Plx	Lodgepole x Jack Pine hybrid
Pw	Western White Pine
Pla	Alpine Pine (used)
Pf	Whitebark Pine
Pa	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sx	Engelmann Spruce
Ss	Sitka Spruce
Sxs	Spruce Hybrid
Sxw	Spruce Hybrid
Sxe	Engelmann x White
Sxl	Spruce Hybrid
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	Broad-leaf
D	Red Alder
U	APPLE
Ac	Black Cottonwood
Ax	ASPEN, COTTONWOOD or POPLAR
Au	Poplar
At	Trembling Aspen
Ae	Balsam Poplar
Ax	Hybrid Poplars
Ac	Black Cottonwood
Ba	Arbutus
Bb	Birch
Bp	Alaska Paper Birch
Bpk	Alaska x Paper Birch hybrid
Bg	Water Birch (Red)
Bw	Alaska Birch
K	CASCARA
Dw	DOGWOOD
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vp	Pin Cherry
E	SECORCOD
Ep	Pacific Willow (wester-flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	Oak
W	WILLOW
Wp	Pacific Willow
Wb	Bebb's Willow
Wa	Peachleaf Willow (Booth's)
Wg	Scouler's Willow (Hooker's)
Wy	Sitka Willow (Sitka)
Wr	Sitka Willow (low-branch)

UNKNOWN - OTHER

X	UNKNOWN
Xh	unknown hardwood
Xc	unknown hardwood
Z	OTHER (less known tree)
Zh	other hardwood
Zs	other hardwood

EXOTICS

Ae	Aspen
Ax	ASPEN, COTTONWOOD or POPLAR
Ac	Black Cottonwood
Be	European Birch
Bpk	Alaska x Paper Birch
Cl	Yellow Birch (CHERRY)
Cv	Mahaleb Cherry
Cw	CYPRESS
Cp	Port Orford Cedar
Fb	Balsam Fir
Fg	Noble Fir
Fn	Nikko Fir
Fp	Veitchs Fir
Fv	White Fir
Lk	LARCH
Lk	Japanese Larch
Ld	Siberian Larch
Mb	MAPLE
Mg	Norway Maple
Mp	Sycamore Maple
Oa	Oak
Oc	Garry Oak
Ow	White Oak
Pa	Apple (CRABAPPLE)
Pc	Incense Cedar
Pd	Giant Redwood
Ov	Giant Redwood
Pm	Japanese Mountain Ash
Pr	Flowering Cherry (ornamental)
Pyr	Common Pear
Ss	Scots Pine
Ot	Other tree
Ol	Shingle-tree, Hickory
Ch	Chestnut
Lj	Japanese Walnut
Hw	Hawthorn
Pm	Monterey Pine
Pn	Red Pine
Ps	Sugar Pine
Pp	Pinyon
Sn	Norway Spruce

Line 4

4a. AGE CLASS

CODE	AGE (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	201 +

4b. HEIGHT CLASS

CODE	HEIGHT (metres)
1	1.0 - 10.4
2	10.5 - 13.4
3	13.5 - 22.4
4	22.5 - 31.4
5	31.5 - 40.4
6	40.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

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

4d SITE INDEX

Site Index is the mean tree height reference at 50 years (breast height age). It is based on the age and height of the leading species. When an accurate SI cannot be derived from age and height measurements in the sample, or relative to the SI estimated from ecological site series, or relative to the SI estimated from adjacent stands, a default SI is assigned.

4e ESTIMATED SITE INDEX

SI is estimated when accurate SI (trees present) e.g., young stands (<10 yrs). It is derived by a stand which exists elsewhere in the landscape on similar ecological units. Associated herbs in the data base are inventory type 'Estimated SI' and have no tree data.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5a= V and 1 (or) 2b=b):

NON-TREED SHRUB
- s — shrub with average shrub height < or = to two metres.
- d — shrub with average shrub height > two metres.

NON-TREED HERB
- te — NDTE
- tf — NDTE - FORBS
- tg — NDTE - GRAMINOIDS

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

NON-TREED SHRUB/HERB
- bg — bryoid with no distinction between mosses and lichens by cover.
- bm — bryoid with mosses > 50% of the bryoid cover.
- bl — bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED
- r — Rock/Rubble
- w — Water / Ice

NON-VEGETATED CATEGORIES (5a= V and 1 (or) 2b=n):

ai	AIRPORT	gr	GRAVEL PIT	mu	MUCK/PUT SEDIMENT
be	BEACH	la	LAKE	mr	RUBBLY MINE SPOILS
bl	BURNED/LOG	ld	LANDING	ot	OTHER
br	BEDROCK	l	LANDING	pc	OTHER
bs	BURNED AREA	s	POND or LAKE SEDIMENTS	pr	SNOW COVER
cl	CLEARCUT	ri	RIVER or STREAM	ra	RAILWAY
ei	EXPOSED SOILS	sn	SNOWPACK	ro	ROAD SURFACE
gl	GLACIER				

Note: Water categories (la, ri, re, rl) not detailed over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5a=7 / w or 8=):

AF	ALPINE FOREST Species	NPBS	NON-PRODUCTIVE BRUSH	SAND	SAND
CL	CLEARING	NPMS	NON-PRODUCTIVE MUSKEG	TIDE	TIDAL FLAT
CUT	CUTBANK	NPTS	NON-PRODUCTIVE FOREST Species	V	URBAN
G	GRAVELBAR	NTA	NOTYPING AVAILABLE		
ICE	ICEFIELD	OB	OPEN BROWSE	NC	NON COMMERCIAL
ICE	ICEFIELD	P	PARKING	NF	NON FORESTED LAND
M	MEADOW	R	ROCK	NFP	NON FORESTED PLANTABLE
MUD	MUD FLAT	S	SWAMP	NSR	NOT SUFFICIENTLY RESTOCKED
				NTA	NOTYPING AVAILABLE

Line 6 - Disturbance History

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

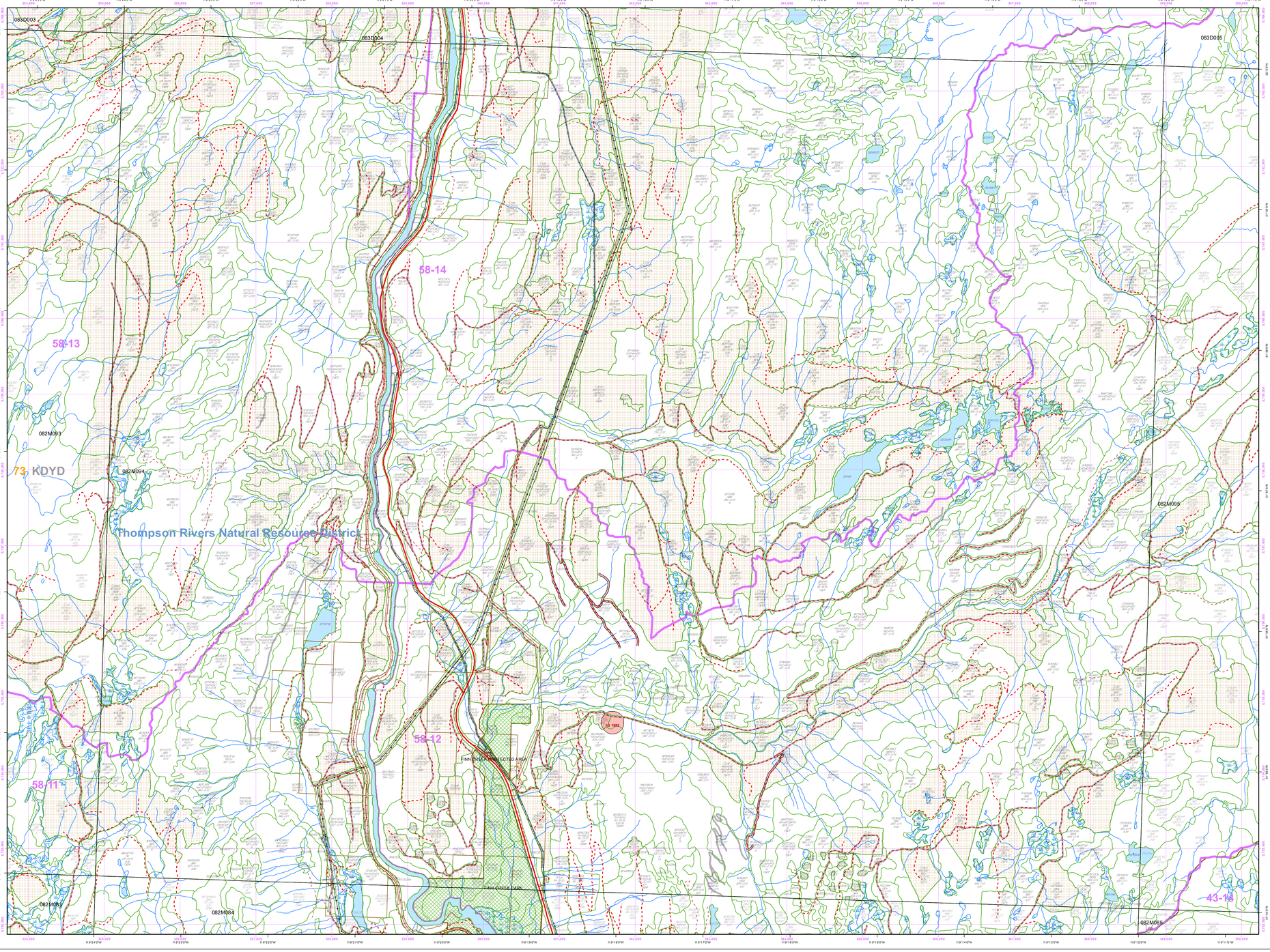
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Nonn Biological Injuries
D	Diseases trees	P	Cone and Seeding Fungal Pathogens
		S	Site Perturbation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silvicultural Information is available on the BCGW utilizing either (MF or ArcMap). The MapView example is of Harvest 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 Data" to turn on display values for:

OPENING#
OPENING LABELS
OPENING / TREATMENT ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH



Overflow Labels

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