082J033

Vegetation Map
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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 - VRIMS© / 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 support the analytical 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 approximations and may not agree with boundaries over 250 m.

Current Projected To: January 1, 2016

MAP SYMBOLOGY

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

TRIM - Base Features:
- 4x Rural Roads
- Forest Service Road Level
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrodrainlines - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- NR LAND Region boundary
- Resource District boundary - FADM
- Bec Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrains
- Municipal boundary (1:1,000,000 for 1a - 1b % match)
- Municipal boundary (1:1,000,000 for 1c to NAT)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Map sheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTIONS
1 Stocktaker symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
4 Age, Height, Crown Closure (Layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
Age: Height, Crown Closure Class Code - separator. Site Index / estimated SI
ex. stand is age class 2 (21-40 yrs), height class 1 (3.1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Stocking Status, Site Preparation and Disturbance History
ex. a herb juniper with no pesticides between herbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex. Logged in 1978

Line 1 - History Record Opening Number

opening number valid for ESRI Arc/Info format — *blank* - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - range from one to nine digits
A Multi-layered stand (a separate description of each layer is available in the data base, i.e. 1.2)

Line 3 - SC Tree Code Line

The species codes for each layer 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

C	CEDAR
Cw	Western Red Cedar
Y	Yellow Cedar
H	HEMLOCK
Hw	Western Hemlock
Hm	Mountain Hemlock
B	BALSAM
Bl	Subalpine Fir (alpine)
Ba	Amabilis Fir
Bg	Grand Fir
F	FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Pl	PINE
Ba	Amabilis Fir
Bl	Subalpine Fir (alpine)
Bg	Grand Fir
Hw	Western Hemlock
Hm	Mountain Hemlock
Pf	Whitebark Pine (limber)
P	LIMBER
Pl	Rocky Mtn. Juniper
Pj	JUNIPER
L	LARCH
Lw	Western Larch
Lt	Tamarack
Ll	Subalpine Larch
P	PINE
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (Coastal)
Pa	Whitebark Pine (alpine)
Pp	Shore Pine (coast)
Pw	Western White Pine
Pm	Monterey Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sx	White Spruce
Sw	White Spruce
Sxe	Engelmann x White
Sxl	Sitka x White
Sxs	Sitka x Engelmann hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Da	Sitka Alder
E	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Act	Black Cottonwood
Ep	Trembling Aspen
Ep	Trembling Aspen
B	BIRCH
Ba	Alaska Paper Birch
Bp	Alaska x Paper Birch hybrid
Bpg	Paper Birch (gander)
Bpu	Paper Birch
K	DOGWOOD
Kc	Pacific Dogwood
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
W	Pin Cherry
Vu	Sweet Cherry
Vp	Pacific Dogwood (eastern flowering)
M	MAPLE
Mb	Bigleaf Maple (deciduous)
Mv	Vine Maple
O	OAK
Gc	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wa	Pacific Willow
Wp	Pacific Willow (coastal form)
Wpi	Pacific Willow (prince Georgia)
Wr	Pacific Willow (riparian)
Wsp	Sitka Willow (low bank)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xs	UNKNOWN SHRUB
Zx	other hardwood

EXOTICS

Ap	APPLE
Ax	Apple
Ep	ASPEN, COTTONWOOD or POPLAR
Ep	Trembling Aspen
Bp	BIRCH
Bpu	Paper Birch
Ep	Evan Birch (swamp)
Ey	Yellow Birch
Ch	CHERRY
Ys	Sweet Cherry
Yt	Tart Cherry
Yp	Pin/ Dwarf Cedar
L	LARCH
Ll	Subalpine Fir
Bs	Norway Fir
Bn	Noble Fir
Bc	Grand Red Fir
Ba	Alpine Fir
L	LARCH
Lk	Japanese Larch
Le	Siberian Larch
Lpn	Larch (L)
Ww	Weeping Willow
Wb	Net leaved Willow
Wh	Hybrid Willow
OM	OTHER MIX
Oa	Norway Maple
Ow	White Oak
OTHER EXOTICS	
Ob	Black Walnut
Ow	Black Walnut
Cu	Cedar Redwood
Cs	Giant Sequoia (redwood)
Ce	Eastern Fir (southern)
Ch	Chestnut
Og	Oregon Ash
Ob	Black Walnut
Cl	Douglas Hickory
Cl	Tree of Heaven
Wp	Western Walnut
Ppn	Pine
Pm	Monterey Pine
Pp	Pitch Pine
Ps	Scots Pine
Pp	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 - 46.4
6	46.5 - 55.4
7	55.5 - 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's expected metre reference at 50 years. Mature Site Index (SI) is based on the age and height of the leading species. When an actual SI cannot be obtained from sample trees, estimated SI values are derived from Appendix 5.

4e. ESTIMATED SITE INDEX

Estimated site index is the site index value for a stand present, e.g. young plantation or burn. It is expressed to a decimal point and always precedes E. Associated fields in the data base are inventory type group and SI (estimated species use).

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (5a=1 and 1 yr=n/a)

NON-TREED SHRUB

S	SHRUB - shrub with average shrub height>1 or =1.3m to 4m+/-.
s	SHRUB LOW - shrub with average shrub height 1.3m or below.

NON-TREED HERB

H	HERB - herbs with no distinction between forbs and graminoids.
Hf	HERB - FORBS - herbs with forbs > 50% of the herb cover.
Hg	HERB - GRAMINOIDS - herbs with graminoids > 50% of the herb cover.

NON-TREED MOSS

M	MOSS/LICHEN - mixed with no distinction between mosses and lichens by cover.
Mm	MOSS - MOSSES - mosses with mosses > 50% of the moss/lichen cover.
Ml	MOSS - LICHENS - mosses with lichens > 50% of the moss/ lichen cover.

NON-VEGETATED CATEGORIES (5a=2 and 1yr=n/a)

B	BARREN	mu	MUD/FLAT SEDIMENT	m	RESERVOIR MARSH
R	ROCK	W	WATER - LAKES, RIVERS & MINE SPOILS	r	RAILWAY SURFACE
Bl	BLOCKFIELD	o	OCEAN	s	RIVER SEDIMENTS
Rs	ROCK/SOIL	L	LAKE(S)	a	ROAD SURFACE
Bu	BUSINESS AREA	ri	RIVER or CREEK	v	VALVE
G	CUTBANK	sn	SNOW/ICE	t	TRAIL
Rs	ROCK/SOIL SOILS	r	RIVER / STREAM	u	URBAN
Sc	SCARCE				

Note: these categories do so, re. it is considered over 50 years coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (5a=7, =wonder)

A	ALPINE	NP	NON-PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST / Species	NPBR	NON-PRODUCTIVE BRUSH	TEC	TOOL FLAT
C	CULTIVATED	NPBU	NON-PRODUCTIVE BURN	U	URBAN
CL	CLEARING	NPF	NON-PRODUCTIVE FOREST / Species		
G	GRAVEL BAR	NPL	NON-SD TYPING AVAILABLE	NC	NON-CD MARGIN CUL
GR	GRAVEL PIT	OR	OPEN RANGE	NCMX	NON-CD MECHCL BRUSH
I	ICEFIELD	R	ROCK	NP	NON-PRODUCTIVE
M	MEADOW	S	SLIDE	NPR	NOT NOTIFIED/ PESTICIDED
MU	MUSKEG	SW	SWAMP	NTA	NO TYPING 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	N	Natural Damage
C	Cone and Seed Insects	No	Non-Biological Injuries
D	Diseases	P	Cone and Seedling Fungal Pathogens
I	Insects		
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 thinned RESULTS data.

The Ministry of Forests, Mines and Lands web application MapView is available to view this type of detailed information. Select the RESULTS SURV tab then click on "Display Forest Cover" to turn on display values for:

OPENING
OPENING LABELS
SILVICULTURE ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH

Overflow Labels

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