093F038

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093F038

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 / Tantalis

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 contained on this map is not to be used for navigation. Boundaries and 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
- Structure Opening in Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM, Base Features:
- Ski Hill
- Forest Tenure Road Lines
- Paved Roads
- Gravel Roads
- Trails/Cutlines
- Railways
- Airstrips
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Dams/Weirs/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 fine = 15 % hatch)
- Municipal boundary (= 1:250,000 fine = 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 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator Site Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (5-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
6 Disturbance History & year - ex: Logged in 1979

Line 1 - History Record Opening Number

OGD - opening number valid for BCGS mapsheet
JOGR - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

Polygon numbers may have one to nine digits
'L' - Multi-layered stand is 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
Ss	Sitka Spruce
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Bg	Grand Fir
Bl	Subalpine Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hw	Mountain Hemlock
Hw	Western Hemlock
Hxm	Western Hemlock / Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Lw	Western Larch
L	LARCH
Lt	Tamarack
Lt	Tamarack Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole Pine (interior)
Plc	Lodgepole Pine (coastal)
Py	Ponderosa Pine (yellow)
Ps	Shore Pine (coast)
Pw	Western White Pine
Pa	Whitebark Pine
S	SPRUCE
Ss	Sitka Spruce
Se	Engelmann Spruce
Sxw	White Spruce
Sw	White Spruce
Se	Engelmann Spruce
Sxl	Sitka x White
Sxe	Sitka x Engelmann hybrid
Yc	Yellow Cedar
Te	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
U	APPLE
Ep	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Poplar
Act	Black Cottonwood
Ac	Black Cottonwood
Ar	hybrid Poplars
At	Trembling Aspen
E	BIRCH
Ba	Alnobetula
Ep	Paper Birch
Ew	Alaska Paper Birch
Bpr	Alaska x Paper Birch hybrid
Bg	Gray (Wire) Birch
Ew	Water Birch
K	CASCARA
Dg	DOGWOOD
G	GHOST
Gp	Pacific Ghost
Vc	Choke Cherry
Vi	Chokecherry
M	MAPLE
Dg	Pacific Dogwood (western flowering)
Mb	Broad-leaf Maple
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wa	Peachleaf Willow (Bantzia's)
Wr	Scouler's Willow (Mackenzie)
Wsi	Scouler's Willow
Wy	Sitka Willow (tea-leaved)

UNKNOWN / OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xl	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Ai	AILANTHUS
A	ASPEN, COTTONWOOD or POPLAR
Ae	Southern Cottonwood
E	BIRCH
Ey	European Birch
Ep	Paper Birch (exotic)
Yw	Willow Bird
Y	CHERRY
Yb	Black Cherry
Y	CYPRESS
Ye	Pond Orford Cedar
P	PINE
Pm	Mugho Pine
Pp	Noble Fir
Pn	Austrian Pine
Pn	Nikka Fir
L	LARCH
Le	European Larch
Lk	Siberian Larch
M	MAPLE
Mr	Box Elder
Mn	Norway Maple
Mp	Silver Maple
OA	OAK
Oa	English Oak
Or	Northern Red Oak
	OTHER EXOTICS
Ch	Horse Chestnut
Ox	Giant Sequoia
Cr	Coast Redwood
Ox	Dawn Redwood/ Ash
Ox	Siberian Elm (southern)
Dr	Common Pear
Ox	Tree of Heaven
Ox	White Ash
Ox	Shagbarck Hickory
Ox	Black Walnut
Jn	Japanese Walnut
P	PINE
Pm	Monterey Pine
Pn	Austrian Pine
S	SPRUCE
Se	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 - 27.4
4	27.5 - 37.4
5	37.5 - 46.4
6	46.5 - 55.4
7	55.5 - 64.4
8	64.5 +

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

All SI are shown to the nearest metre referenced at 50 years. Site Index is the average height of the dominant and co-dominant leading species. When an accurate SI cannot be obtained from age and height measurements, it is often, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present. e.g. Site Index estimated from BEC Site Series. Site Index estimates provides 4 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
- sb SHRUB TALL - shrub with average shrub height > or = to two metres.
- sl SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- he 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 graminoids > 50% of the herb cover.

NON-TREED BRYOID
- bs BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED
- st Exposed Land
- w Water, Lake
- s Snow / Ice

NON VEGETATED CATEGORIES (for V and I records+)

ap	AIRPORT	gp	GRAVEL PIT
bl	BOULDERS	l	LAKE
br	BUCKERFIELD	s	SAND BED
br	BEDROCK	l	LANDING
cl	CLAY BANKS	ls	LAKE SHORE SEDIMENTS
cu	CUTBANKS	ts	TAILING POND
es	EXPOSED SOILS	rm	MORAINE
gr	GRAVEL		

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
os	ORGANIC SOIL SPOILS	rs	RESERVOIR SEDIMENTS
rc	OCEAN	rv	RIVER SEDIMENTS
r	OTHER	r	ROAD SURFACE
rb	RIVER BANK / SHORE	s	SAND
rb	RESERVOIR	ts	TAILINGS
rv	RIVER / STREAM	ur	URBAN

Note: Water categories: lk, rc, rv, rm if selected over 5% percent coverage.

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

AF	ALPINE FIRST Glaciers	MPB	NON PRODUCTIVE BRUSH
C	CULTIVATED	MPBG	NON PRODUCTIVE BURN
CL	CLEARING	MPG	NON PRODUCTIVE FIRST Species
G	GRAVEL BAR	NA	NOT APPLICABLE
GP	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	R	ROCK
MUD	MUDFLAT	S	SWAMP
NLK	NON LAKE		

SAND	SAND		
TFLT	TAILING FLAT		
U	URBAN		
NCM	NON COMMERCIAL		
NCU	NON CONDITIONED		
NF	NON FORESTED		
NFR	NOT SUFFICIENTLY RESTOCKED		
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
- C Cone and Seed Insects
- D Diseases
- I Insects
- L Logging
- N Grazing
- W Wild Biological Injuries
- P Cone and Seedling Fungal Pathogens
- R Site Rehabilitation
- T Treatment Injuries
- U Damage Unknown
- V Non-Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW Silviculture Data Map. 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 SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for :

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
SILVICULTURE
STANDS FOR FOREST COVER
WILDLIFE TREE PATCH

Vanderhoof Natural Resource District

RANGE 4 COAST DISTRICT

093F047 093F048 093F049 093F037 093F039 093F027 093F028 093F029

60-70 66 55-59 55-58 144 60-92 60-176

EP1220.03.01 EP1220.03.02 EP1220.03.03 EP1220.03.04 EP1220.03.05 EP1220.03.06 EP1220.03.07 EP1369

124°36'0"W 124°35'0"W 124°34'0"W 124°33'0"W 124°32'0"W 124°31'0"W 124°30'0"W 124°29'0"W 124°28'0"W 124°27'0"W 124°26'0"W 124°25'0"W 124°24'0"W

393,000 394,000 395,000 396,000 397,000 398,000 399,000 400,000 401,000 402,000 403,000 404,000 405,000 406,000 407,000

5,972,000 5,971,000 5,970,000 5,969,000 5,968,000 5,967,000 5,966,000 5,965,000 5,964,000 5,963,000 5,962,000 5,961,000 5,960,000 5,959,000 5,958,000 5,957,000 5,956,000 5,955,000 5,954,000 5,953,000 5,952,000 5,951,000 5,950,000 5,949,000 5,948,000 5,947,000 5,946,000 5,945,000 5,944,000 5,943,000 5,942,000 5,941,000 5,940,000 5,939,000 5,938,000 5,937,000 5,936,000 5,935,000 5,934,000 5,933,000 5,932,000 5,931,000 5,930,000 5,929,000 5,928,000 5,927,000 5,926,000 5,925,000 5,924,000 5,923,000 5,922,000 5,921,000 5,920,000 5,919,000 5,918,000 5,917,000 5,916,000 5,915,000 5,914,000

Overflow Labels

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