092O084

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 / 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 portrayed 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, 2016

MAP SYMBOLOGY

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

TRIM Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf'ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofix/Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

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 No. / 5 % hatch)
- Municipal boundary (1:1,000,000 No. / 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)
Cw 60 Fd 30 Hw 10 ex. Cw is the second layer and is estimated to make up 60% of the stand
4a AGE CLASS ex. stand is age class 2 (21-40 yrs), height class 1 (0.5-10.4m), 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
2026 - opening number has not been assigned

Line 2 - Polygon No. / Multilayer

VRIMS Polygon Number - ranging from one to nine digits
/L - 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 4.6 dated 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)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Seaside Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (interior)
Plci	Lodgepole Pine (Interior) hybrid
Py	Ponderosa Pine (yellow)
Pw	Shore Pine (coast)
Pwi	Shore Pine (interior)
Pa	Whitebark Pine
S	SPRUCE
Se	Engelmann Spruce
Sx	Engelmann Spruce hybrid
Ss	Sitka Spruce
Sxs	Spruce hybrid
Sxw	Engelmann x White
Sw	White Spruce
Sxs	Sitka x Unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
J	APPLE
Up	Pacific Crab Apple
A	ASPEN, COTTONWOOD or POPLAR
At	Aspen
Act	Balsam Poplar
Ac	Black Cottonwood
Apc	Aspen x Balsam
At	Trembling Aspen
E	BIRCH
Ep	Alaska x Paper Birch
Epp	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Ey	Yellow Birch
C	CASCARA
Kc	Cascara
K	CHERRY
Vs	Wild Cherry
Vv	Choke Cherry
Vu	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Gb	Garry Oak
W	WILLOW
Wp	Pacific Willow
Wp	Pacific Willow
Wrd	Peachleaf Willow (Barclay's)
Wr	Peachleaf Willow (Sooke)
Wy	Scouler's Willow
Wl	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

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

EXOTICS

	APPLE
Ua	Siberian
	ASPEN, COTTONWOOD or POPLAR
Ad	*Southern Cottonwood
Ae	*Aspen
Ep	European Birch
Ela	Silver Birch (swamp)
Elp	Silver Birch
	CHERRY
Vs	Sweet Cherry
Vm	*Mazzard
Vp	*Pin/ Chkn/ Cedar
	FIR (Balsam)
Bc	*Corkbark Fir
Bs	Noble Fir
Bm	*Shasta Red Fir
Bnn	Nikko Fir
	LARCH
Ld	*Daharian Larch
Le	*European Larch
	MAPLE
Mk	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
	OAK
Qe	*English Oak
Qr	*White Oak
	OTHER EXOTICS
Ob	*Black Locust
Oc	*Giant Sequoia
Ov	*Coast Redwood
Oa	*Common Flowering Ash
Oi	Siberian Elm (exuberin)
Of	Common Pear
Ot	*Tree of Heaven
Ow	*White Ash
Oj	*Straghan's Hickory
Oh	*Horse Chestnut
Oj	Japanese Walnut
	PINE
Pbk	*Bhutanberry Pine
Pi	*Red Pine
Py	*Sugar 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 - 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

All SI are shown in the nearest metre referenced at 50 years breast height age. SI is based on the age and height of the leading species. When an 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 Table SI Inventory is not present, e.g. Fdi(45) Hw(40). Estimated SI is used to back-stop 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-SHRUB SHRUB
- sa SHRUB TALL — shrub with average shrub height > or = to two metres.
- se 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 gaminoids > 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, hepatics, and lichens/ > 50% of the bryoid cover.
- bl BRYOID - LICHENS — bryoid with lichens > 50% of the bryoid.

NON-VEGETATED
- v Exposed Land
- rs Rock / Rubble
- sr Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT
ba	BARREN	ic	ICE
br	BOULDERFIELD	l	LAVA FLOW
br	BEDROCK	t	LANDING
ds	DEBRIS/TALUS	ls	LAKE SEDIMENTS
cl	CUTBANK	p	POND or LAKE
es	EXPOSED SOILS	mo	MORAINE
gl	GLACIER		

mu	MUDFLAT SEDIMENT
sn	PERENNIAL SNOW & ICE
oc	OCEAN
sf	OTHER
sv	SPARSE COVER
re	RESERVOIR
r	RIVER / STREAM

rm	RESERVOIR MARGIN
rd	ROAD SEDIMENTS
rs	RIVER SEDIMENTS
rd	ROAD SURFACE
ta	TALUS
tz	TALUS/ROCK
ur	URBAN

Note: Water categories (ic, oc, re, r) identified over 50 percent coverage.

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

A	ALPINE	NF	NON FOREST
C	CULTIVATED	NPBU	NON PRODUCTIVE BRUSH
CL	CLEARCUT	NPBN	NON PRODUCTIVE BURN
G	GRASS	NPC	NON PRODUCTIVE FOREST /Species
GR	GRAVEL PIT	NT	NOT TYPED
H	HERBS	OR	OPEN RANGE
I	INDUSTRIAL	P	PASTURE
MUD	MUD FLAT	S	SWAMP

SAND	SAND		
TIDAL	TIDAL FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NFOR	NON FORESTED		
NPL	NON FORESTED / RESTOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

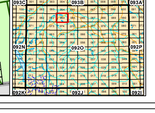
Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

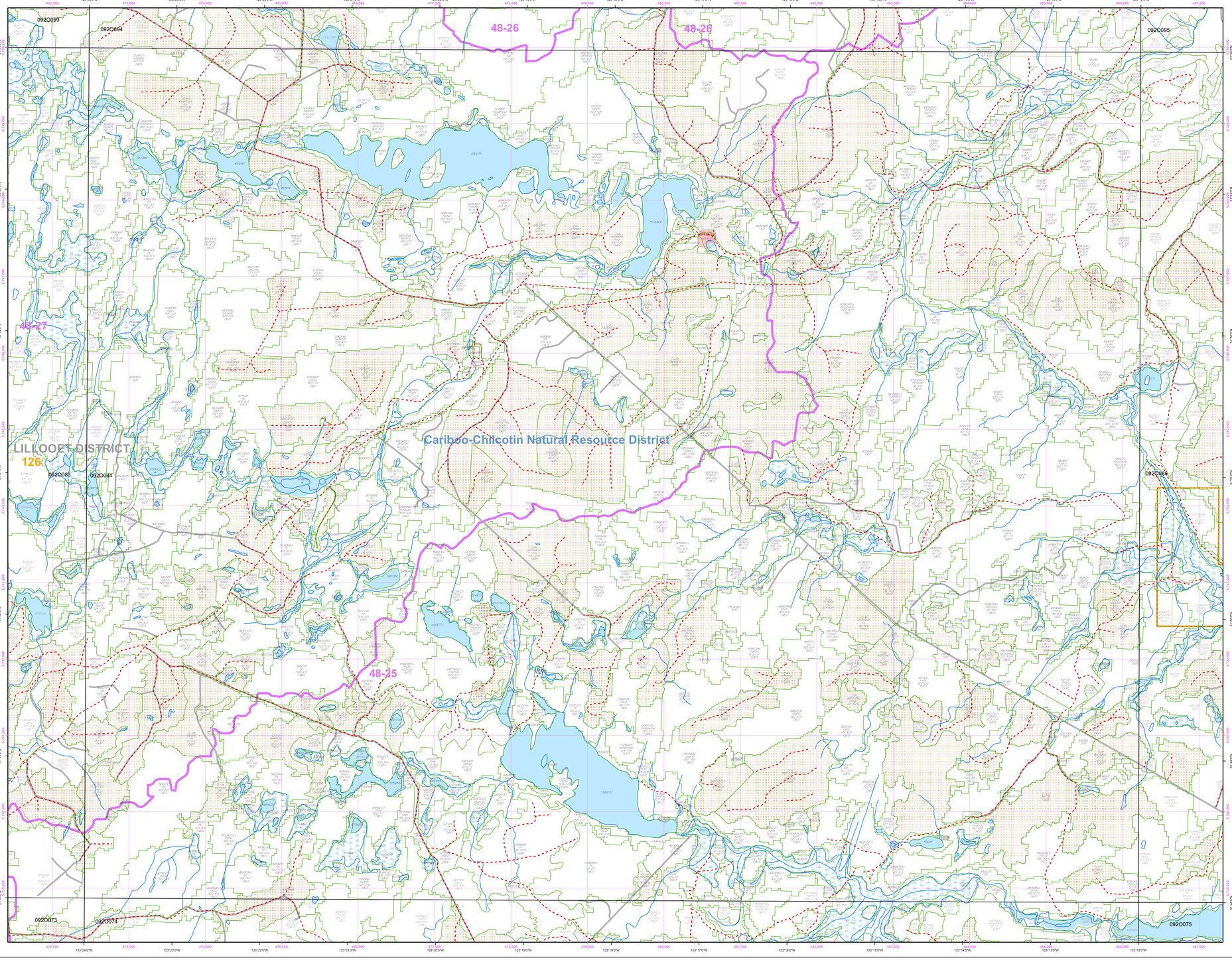
A	Animal Damage	L	Logging
B	Wildfire	M	Mild Damage
C	Insects and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Core and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either MF 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 the SILVICULTURE tab then click on "Display Silviculture" to turn on display values for -
- OPENING
- OPENING LABELS
- OPENING - PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- BLOCK BOUNDARY
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH





Overflow Labels

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