Vegetation Map

094P026

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
- Siviculture Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- HydroNavBarriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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 (< 1,000,000 ha - 15 % hatch)
- Municipal boundary (> 1,000,000 ha) - 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
O12 — 1 Silviculture symbol and Opening Number
123/L — 2 Polygon Number and multi-layer stand indicator (L)
Fd(Hw) — 3 Species Composition
ex: the most important layer is described as Fd (Dougls Fir) and Hw (Western Hemlock).
211-20 — 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 (6-15%), SI 20m
he sl — 5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
GL78 — 6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opeing Number

O12 - opening number valid for BCGS mapsheet   blank - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
/L - Multi-layered stand (a separate description of each layer is availiable in the data base, i.e. 1,2)

Line 3 - BC Tree Code List

Species Compsition: 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 dataed 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 hydrid
J JUNIPER
Jr Rocky Mtn. Juniper
Js Seaside Juniper
L LARCH
La Alpine Larch
Lt Tamarack
Lw Western Larch
P PINE
Pj Jack Pine
Pf Limber Pine
Pl Lodgepole Pine
Pli Lodgepole Pine (interior)
Pxj Lodgepole x Jack Pine hybrid
Py Ponderosa Pine (yellow)
Plc Shore Pine (coast)
Pw Western White Pine
Pa Whitebark Pine
S SPRUCE
Sb Black Spruce
Se Engelmann Spruce
Ss Sitka Spruce
Sw White Spruce
Sx Spruce hybrid
Sxw Engelmann x White
Sxl Sitka x White
Sxs Sitka x unknown hybrid
T YEW
Tw Western Yew

NATIVE HARDWOODS
D ALDER
Dr Red Alder
U APPLE
Up Pacific Crab Apple
A ASPEN, COTTONWOOD or POPLAR
Ac Poplar
Acb Balsam Poplar
Act Black Cottonwood
Ax hybrid Poplars
At Trembling Aspen
R ARBUTUS
Ra Arbutus
E BIRCH
Ea Alaska Paper Birch
Exp Alaska x Paper Birch hybrid
Ep Paper Birch (white)
Ew Water Birch
K CASCARA
Kc Cascara
V CHERRY
Vb Bitter Cherry
Vv Choke Cherry
Vp Pin Cherry
G DOGWOOD
Gp Pacific Dogwood (western flowering)
M MAPLE
Mb Bigleaf Maple (broadleaf)
Mv Vine Maple
Q OAK
Qg Garry Oak
W WILLOW
Wb Bebb's Willow
Wp Pacific Willow
Wa Peachleaf Willow (Barclay's)
Wd Pussy Willow (gray-leaved)
Ws Scouler's Willow
Wt 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 Apple
ASPEN, COTTONWOOD or POPLAR
Ad *Southern Cottonwood
BIRCH
Ee European Birch
Es Silver Birch (swamp)
Ey *Yellow Birch
CHERRY
Vs Sweet Cherry
CYPRESS
Yp *Port Orford Cedar
FIR (Balsam)
Bb *Balsam Fir
Bp Noble Fir
Bm *Shasta Red Fir
Bc *White Fir
LARCH
Ld *Dahurian Larch
Ls *Siberian Larch
MAPLE
Me Box Elder
Mn *Norway Maple
Ms *Sycamore Maple
OAK
Qe *English Oak
Qw *White Oak
OTHER EXOTICS
Oa *Incense Cedar
Ob *Giant Sequoia
Oc *Coast Redwood
Od European Mountain Ash
Oe Siberian Elm (southern)
Of Common Pear
Og Oregon Ash
Oh *White Ash
Oi *Shagbarck Hickory
Oj Tree-of-heaven
Ok Japanese Walnut
PINE
Pm *Monterey Pine
Pr *Red Pine
Ps *Sugar Pine
SPRUCE
Sn *Norway Spruce

Line 4

4a AGE CLASS CODE	LIMITS (years)	4b HEIGHT CLASS CODE	LIMITS (metres)	4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
				0	0 - 5
1	1-20	1	0.1 - 10.4	1	6 - 15
2	21-40	2	10.5 - 19.4	2	16 - 25
3	41-60	3	19.5 - 28.4	3	26 - 35
4	61-80	4	28.5 - 37.4	4	36 - 45
5	81-100	5	37.5 - 46.4	5	46 - 55
6	101-120	6	46.5 - 55.4	6	56 - 65
7	121-140	7	55.5 - 64.4	7	66 - 75
8	141-250	8	65.5 +	8	76 - 85
9	251 +			9	86 - 100

4d SITE INDEX
All SI are shown to 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 suitable SI trees arenot present, e.g. young stands (<30yrs). It is denoted by a slash 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-TREED SHRUB
st 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 gaminoids > 50% of the herb cover.

NON-TREED BRYOID
by BRYOIDS - 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
el Exposed Land
ro Rock / Rubble
si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap AIRPORT; be BEACH; bl BLOCKFIELD; br BEDROCK; bu BURNED AREA; cb CUTBANK; es EXPOSED SOILS; gl GLACIER
gp GRAVEL PIT; la LAKE; lb LAVA BED; ll LANDING; ls POND or LAKE SEDIMENTS; mi OPEN PIT MINE; mn MORAINE
mu MUDFLAT SEDIMENT; mz RUBBLY MINE SPOILS; oc OCEAN; ot OTHER; pn SNOW COVER; re RESERVOIR; ri RIVER / STREAM
rm RESERVOIR MARGIN; rn RAILWAY SURFACE; rs RIVER SEDIMENTS; rz ROAD SURFACE; ta TALUS; tz TAILINGS; ur URBAN

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

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

A ALPINE; AF ALPINE FOREST /Species; C CULTIVATED; CL CLAY BANK; G GRAVEL BAR; GR GRAVEL PIT; ICE ICEFIELD; M MEADOW; MUD MUD FLAT
NP NON PRODUCTIVE; NPBR NON PRODUCTIVE BRUSH; NPBU NON PRODUCTIVE BURN; NPF NON PRODUCTIVE FOREST /Species; NTA NO TYPING AVAILABLE; OR OPEN RANGE; P HAYFIELD; R ROCK; S SWAMP
SAND SAND; TIDE TIDAL FLAT; U URBAN; NC NON COMMERCIAL; NCBR NON COMERCIAL BRUSH; NP NON PRODUCTIVE; NSR NOT SUFFICIENTLY RESTOCKED; NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

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

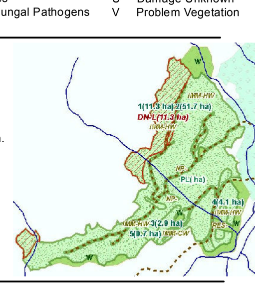
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects
L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens
R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

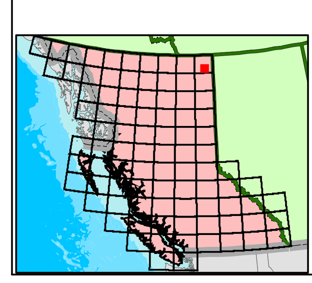
Example Opening History Details

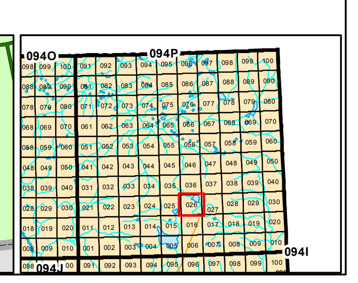
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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 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

929585 bu by sl he	18496668 SbP(At) 316-O/10 sl	27051035 Sb 614-O/4 sl by	30925600 he sl es	73651229 PlSbE(p) 410-O/7 sl bg ri	86397078 es sl he	97689563 Sb 312-O/5 sl by
1228911 Sb 627-O/6	19307916 Sb 313-O/8 sl by	27129603 SbE p 415-O/6 sl	30965559 LtSb 312-O/9 sl he by	73940749 sl he by es	87578131 sl he r z by	96281857 Sb 625-O/6 sl by
1241838 sl es he by	19366636 Sb 514-O/5 sl by	27138437 sl he	60340812 SbE p(Lt) 310-O/9 sl he	74841620 es sl	87691665 es sl he by	96379384 sl es he by
1529026/L Sb 522-O/7 sl	19488101 Sb(At) 514-O/6 sl	27177170 Sb 514-O/6 sl by	60530941 Sb(Lt) 512-O/6 sl by he	74881064 LtSbE p) 424-O/10 sl	87759645 la sl he by	96547042 by sl he
2141842 SwSbAcE p) 635-O/12 sl	20327416 Sb(Pl) 515-O/6 sl	27220141 Sb 313-O/7 sl by	60700207 Sb(Lt) 414-O/7 by sl he	75141394 sl he	87770852 he sl	96689113 Sb 513-O/4 sl by
2168431 sl he by es	20776421 SbAt(Pl) 316-O/9	27228314 PlSb 326-O/17	61160401 Sb(Lt) 410-O/4 sl by he	75870452 sl he es by	87771117 sl by es he	96869610 Sb(Lt) 626-O/6 sl
2558029 sl by he es	21018116 PlSb(At) 327-O/14	27339248 sl he	61559177 Sb(Lt) 513-O/6 by sl he	76360932 la sl he	88249254 es he	96949418 Sb 626-O/6
2711826/L Ep 423-O/10 sl	21206541 SbE p(At) 315-O/8 sl	27370454 Sb 726-O/5	61590572 Sb(Lt) 413-O/7 sl by he	76379967 es he	88407586 sl es he by	99591140 es
2851554 LtE pSb 315-O/9 sl	22485585 PlSb(At) 326-O/14 sl	27396783 Sw(Sb) 635-O/12 sl	61880602 SbE p 414-O/6 sl	77508161 es sl he by	88660867 he sl	99621750 sl he es by
3829318 sl es he by	22701246 sl es he by	27429930 SbE p 514-O/5 sl by	61910442 SbSwAt) 426-O/9 sl	77535687/L Sb(LtE p) 312-O/6 sl by	88730907 he sl	99741278 es he sl
4671808/L Ep 423-O/10 sl	23377109 Sw(Sb) 526-O/13	27550298 Sb 413-O/4 sl by	62198001 Sb(Lt) 514-O/7 by he sl	77770229 he es sl by	88931962 es sl by he	
4911825 E pSb(Lt) 421-O/8 sl he	23656505 PlSbAt 327-O/15	27568808 Sb(Lt) 524-O/7 sl by bu	62687633 Sb(Lt) 514-O/7 by sl he	79071617 es sl he	89091780 Sb(LtE p) 414-O/7 sl	
4969407/L Sb 522-O/7 sl	23780085 Sb(LtE p) 313-O/6 sl by	27580471 he sl es	62857280 Sb(Lt) 514-O/7 by sl he	79129309 LtSb 411-O/8 sl he	89487327 es	
5121870 LtSbE p) 324-O/10 sl by	24092031 At(Sb) 327-O/15	27680113 Sb 526-O/7 sl	62947599 Sb 413-O/7 he sl by	80028302 es by he	90248285 es sl he by	
7675417 he sl	24105665 PlSb(At) 326-O/14 sl	27737872 Sb(PlAtSw) 316-O/9 sl	63266610 Sb(Lt) 722-O/5 sl by he	80359284 es sl by he	90307903 Sb 210-O/6 sl es he by	
7829008 E pSbSw) 314-O/10 sl	24197289/L PlSbAtSwE p) 326-O/13 sl	27786715 SbLt 314-O/9 sl	63367804 Sb 413-O/7 he sl by	80581652 LtSb 420-O/9 sl he	90370694 he sl	
8737895 he sl	24236518/L Sb(AtPlE p) 316-O/9 sl	27828564 sl he ri	64405089 LtSb 510-O/5 sl	80751124 SbLt 314-O/8 sl he	9631648 sl es he by	
9668614 sl r z he	24245561 PlSb(At) 326-O/14 sl	27999421 Sb(Lt) 214-O/8 sl by	64467610 Sb(Lt) 412-O/7 he sl by	80871258 Sb(Lt) 515-O/6 sl	92011145 Sb 310-O/5 sl he by es	
10019061 he sl by es	24418142/L SbPl 314-O/9 sl	28018877 LtSb 311-O/8 sl he by	64605329 Sb(Lt) 525-O/8 by sl he	81256596 Sb 513-O/5 sl by he	92488647 LtSb 511-O/6 sl he	
10631922 Sb(Lt) 513-O/4 sl by he	24467108 SwSb 526-O/13	28058467 Sb 313-O/8 sl by	66341634 Sb 526-O/8	81771186 Sb(LtSw) 524-O/7 sl	92600812 LtSb 410-O/5 sl bg	
11617035 Sb 311-O/6 sl he by	24595861 by sl he es	28158548 SbPl 317-O/8 sl	66780465 sl he by es	81887752 es sl he by	92929535 Sb 211-6/6 sl by es he	
12871962 SbLt 412-O/6 sl bg	24747199 sl he ri	O1 28438982 SbLt 310-O/8 bu sl he	67501560 Sb(Sw) 527-O/7 sl	81940998 la sl he	92999010 Sb(LtE p) 511-O/6 bu sl he	
13336993 Sb(Lt) 311-O/6 sl he by	24960498 Sb(LtE p) 716-O/4 sl	28585960 SbE pSwAt) 516-O/7 sl	67619873 sl he by es	82358553 Sb(Lt) 513-O/5 sl he by	93461753 SbLt 615-O/6 sl	
13571949 Sb 613-O/2 sl by	25081222 by sl he es	O1 28681905 SbLt 310-O/8 bu sl he	67631622 SbPl 516-O/7 sl by	82440225 sl he r z	93510676 LtSb 516-O/6 sl	
14006641 sl he ri	25350222 E pSbLt 317-O/10 sl	28828378 PlSb 326-O/14 by	67670432 es sl he	82900958 SbSwE p) 526-O/8 sl	93868412 Sb 210-O/6 sl es he by	
15706642 bu by	25649640 PlSb 326-O/15 sl	28865721 SbE p 313-O/8 sl	6968186 sl es he by	83215565 SbE p(Sw) 311-O/8 sl he es by	94059660 SbLt 514-O/6 sl	
16098211 AtSb(PlSwE p) 327-O/16	26256576 SbLt 412-O/5 sl by	29028257 PlSb 326-O/10	69801616 Sb(Lt) 614-O/5 sl he by	83319537 sl by es he	94686171 es he	
16261166 Sb(PlE p) 313-O/8 sl by	26492023 SbLt 313-O/8 by sl	29078502 SbLt 315-O/5 sl by	71051306 Sb(Sw) 517-O/6 sl	83991604 Sb(Lt) 526-O/7 sl	95440668 Sb(Lt) 826-O/5 sl	
16417758 Sb(Ep) 313-O/6 sl by	26538511/L SwSb 532-O/16 sl	29257711 AtSb 326-O/14 sl	71171045 sl es he by	84211711 Sb 312-O/6 sl by	95501761 es sl he by	
16516767 Sb 310-O/6 bu sl by he	26618180 sl he	29577367 Sb(Lt) 514-O/5 sl by	71691618 Sb(Lt) 515-O/7 sl by	85561753 Sb 413-O/4 sl by	95890699 LtSbE p) 511-O/5 sl he mu	
17096637 Sb(SwAt) 415-O/8 sl	26806582 sl he	29766121 SbP(At) 714-O/4 sl by he	71770459 sl es he by	85879834 es by he	96631851 Sb 625-O/6 sl by	
17177887 SbE p(At) 316-O/8 sl	26856705 PlSb 326-O/12 sl	29887257 Sb(Pl) 625-O/6 sl by	72590358 es	86081734 SbE p(Lt) 414-O/6 sl	96649820 Sb 414-O/6 sl by	
17876758 Sb(Sw) 416-O/8 sl	26969806 sl he by es	30086606 PlSb(At) 326-O/17 sl	72889944 es he	86280829 sl he ri	96879647 SbE p(PlAt) 316-O/10 sl	
18488060 E pAtSb 325-O/10 sl	27008351 sl he	30186492 LtSb 310-O/8 sl he by	73437678 sl es he by	86377278 sl he es by	97251775 Sb 614-O/5 sl by	

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