BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093I017

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

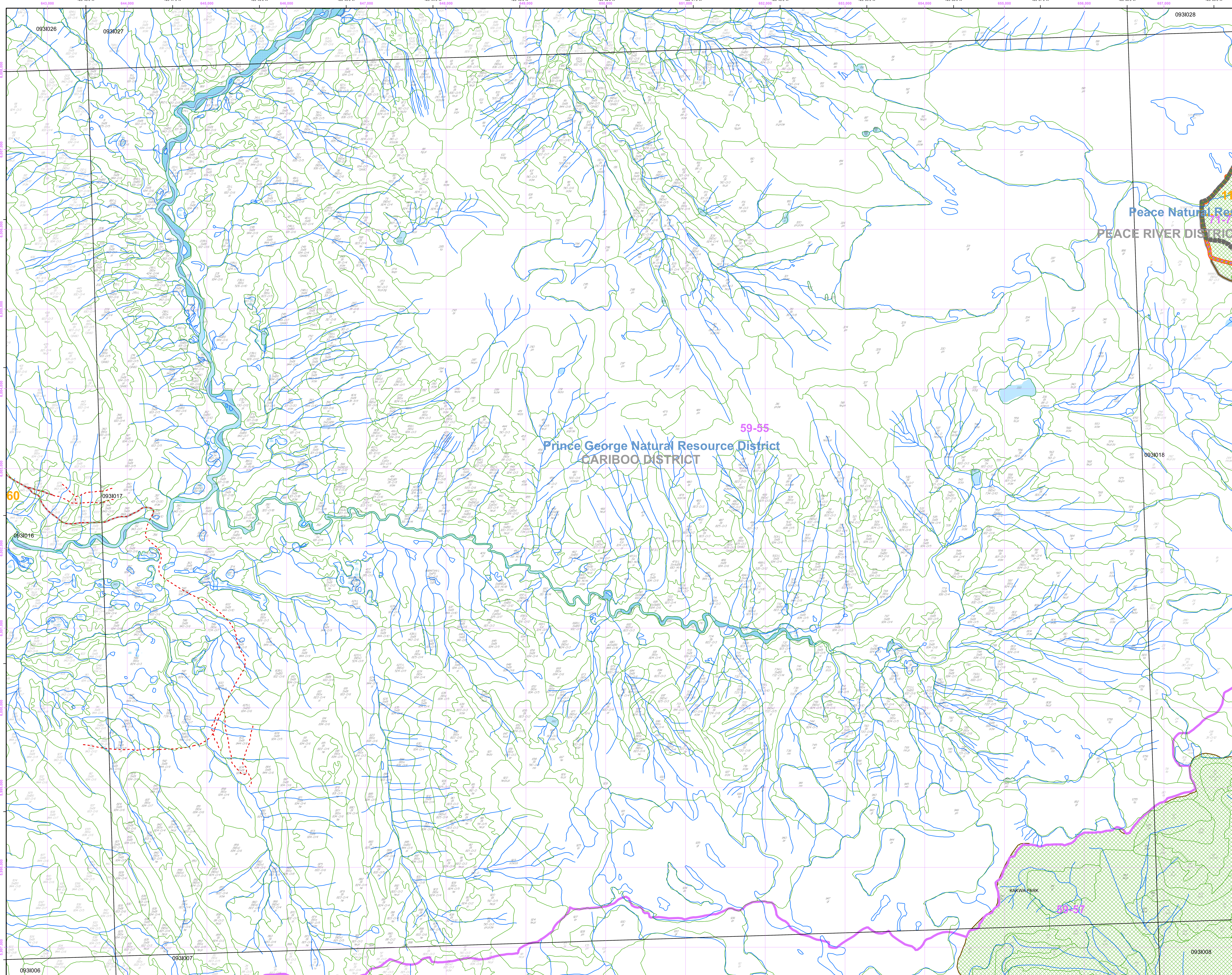
MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture 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)



Overflow Labels

1 SxBl 933-O/5 st	136 Bl 532-O/14 st GN60	325 pn	579 SxB(l) 943-O/11 sl	790 BlSx 821-O/4
3/L SxBl 943-O/6 st	137 BlSx 832-O/5 sl GN60	342 SxBl 943-O/6 st	585 SxB(l) 940-O/8 st	798 SxBl 830-O/6 sl
4 SxBl 330-O/25 st	138 Bl 820-O/4 sl ta GN60	356 SxB(l) 944-O/11	591 SxBl 934-O/5	823 Bl 822-O/5 sl
5 SxBl 832-O/7 sl be	139/L BlSx 524-O/10 GN60	370 Sx 941-O/8 st rs	598 SxSb 931-O/3 sl bg	830 SxBl 934-O/5
9 Bl 734-O/14	140 SxBl 934-O/4 sl GN60	372 Sx 320-O/18 st	643 Bl 510-O/5 he	850 SxBl 934-O/4 sl
14 SxBl 836-O/8 sl	141 BlSx 825-O/2 GN60	378 Sx 320-O/16 st be	666 Sx 320-O/18 st be	868 Bl 821-O/3 sl
19 Sx 210-15/15 st be rl	142 Sx 835-O/6 sl GN60	381 Sx 320-O/22 st be	674 SxBl 934-O/4	884 Bl 821-O/3 he ta
20 SxBl 836-O/8 sl	143 Bl(Sx) 823-O/2 GN60	386 Sx(Ac) 320-O/18 st	675 st	893 Bl 821-O/3 he sl
24/L Sx 431-O/18 st	150 sl rs	389 Sx 520-O/11 st	676/L SxBl 322-O/18 sl be	896 Bl 820-O/3 sl be
27 SxBl 943-O/7 sl	151 Sx 835-O/6 sl	392 Sx 320-O/20 st be	677 sl es	958/L Bl(Sx) 526-O/10
30 SxBl 935-O/5 sl bl	157 SxBl 933-O/5	394 Sx(Bl) 320-O/18 st	681 SxSb 921-O/3 sl	961/L Bl(Sx) 434-O/18
32 Sx 923-O/3 sl bg	164/L Bl 320-O/14 sl be	401 SxBl 313-14/14 sl	685 Sb 823-O/3 sl	962/L Bl(Sx) 425-O/18
38/L SxBl 931-O/5	165 SxB(l) 835-O/6 sl	402 EpSx 321-O/12 he sl	692 Bl 823-O/4 ta	966 Sx 922-O/2 sl
46 SxBl 526-O/14	168 SxBl(Ac) 933-O/6 sl bl	405 st	693 Bl 524-O/8 sl	967 Sx 943-O/9 sl
47 SxBl 526-O/14	200 SxBl 943-O/6 he	411/L SxBl 932-O/4	699 Sb 811-O/3 sl be	969 SxBl 923-O/3 sl bg
61 Bl(Sx) 522-O/10 he	202 SxBl 930-O/4 st	413/L SxBl 310-15/15 sl be	702 Bl 822-O/3 sl	972/L Sx 931-O/5
63 Bl(Sx) 523-O/10 he sl br	204 BlSx 933-O/4 sl	418/L SxB(l) 930-O/4 he	707 SxBl 931-O/4 st	974/L Sx 941-O/6
68 Bl 825-O/4	205 BlSx 734-O/11 st	430 SxBl 312-14/14 sl be	710 Sb 912-O/2 he sl	976/L Bl 310-13/13 sl
74 Bl 824-O/4	207 Bl 923-O/2 sl GN60	431 Ep(Sx) 326-O/14 sl	712 SbSx 921-O/4 sl be	977/L SxBl 520-O/11 sl be
78 BlSx 834-O/6 sl	212/L SxB(l) 941-O/7	434 Sx 320-O/22 sl	713 sl ta	978 SxBl 933-O/5
84 Bl 823-O/2 sl	213/L BlSx 423-O/14 GN60	441 SxB(l) 321-16/16 sl be	715/L Bl 521-O/9 sl be	979 Bl 524-O/10
104 SxBl 935-O/5 sl bl	215/L BlSx 423-O/14	443 BlSx 521-O/11 sl	724 Sb 920-O/2 sl	980 Sx 520-O/12 sl be
111 SxBl 533-O/12 es sl	223 Sx 330-O/23 st GN60	455 Ep 320-O/12 ta sl	725 Bl 723-O/8 sl	981 Sx 320-O/16 st
112 SxBl 536-O/12 sl	227 Sx 930-O/4 st	469/L Sx 421-14/13 sl be	727 SxSb 932-O/4 sl be	983 Bl 823-O/3 sl
116 SxB(l) 932-O/6 he st	229 st	473/L SxBl 311-15/15 sl	728 Bl 722-O/8 sl	985 BlSx 524-O/8 sl
123 BlSx 711-O/4 ta sl GN60	243 SbSx 921-O/2 sl be GN60	474/L BlSx 823-14/4 sl	735 SbSx 923-O/3 sl	992/L SxBl 523-O/7 sl
124/L SxBl 923-O/3 sl GN60	253 Sx 930-O/5 st	495 Bl 823-O/3 sl	739 Sx 521-O/11 sl	1200 SxBl 933-O/4 sl
126 Bl(Sx) 824-O/3	254/L SxBl 934-O/6	517 Bl 511-O/6 sl ta be	740 Sb 910-O/2 sl	1202 BlSx 834-O/6 sl
128/L Bl 520-O/8 ta sl	257/L SxB(l) 931-O/5	520 BlSx 834-O/8	749 SxBl 931-O/4 st	1203 SxBl 920-O/2 he
129 sl es	270 Bl 822-O/4 he	529 Bl 320-O/14 sl be	762 SxBl 944-O/6	1687572 BlSx 824-O/4 sl
130 SxBl 933-O/5 sl be es	279 Bl 810-O sl br	539 BlSx 524-O/11	766 he sl	7807484/L Sx(Sb)B(l) 931-O/10 he GI05
133 BlSx 824-O/3 GN60	282 BlSx 821-O/3 sl be ta	552 Bl 732-O/10 rs	778 SxBl 834-O/6	
135 SxB(l) 936-O/5	313 Bl 812-O/2 he	555 Bl 820-O/4 sl ri	786 Sx 830-O/5 st	

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

○12
123/L
Fd(Hw)
211-20
he sl
GL78

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 (Dougls 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 (6-15%), SI 20m
5. Vegetated Density Class (or Non-Forest/Productive Descriptor)
   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 Opeing Number

○12 - 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

Code	Name
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

Code	Name
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

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

EXOTICS

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

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

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

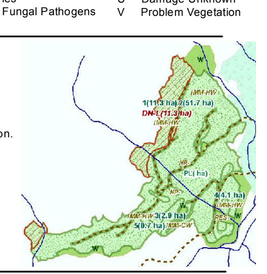
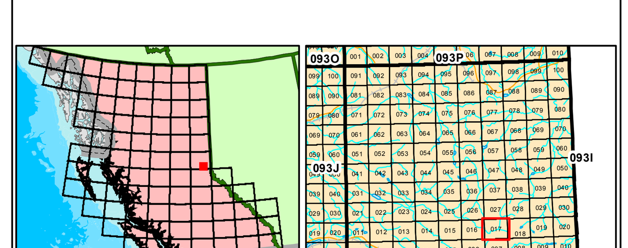
A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	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	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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