094N080

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

094N080

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:

Label	LINE DESCRIPTION
○12	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

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

EXOTICS

Code	Species
	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	*Shagbark 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
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
br	BEDROCK	ll	LANDING	ot	OTHER
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	pn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

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	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.

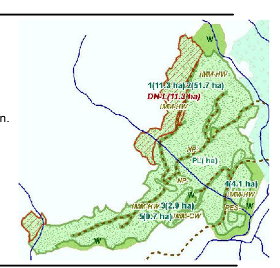
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

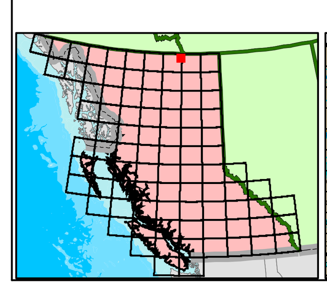
Example Opening History Details

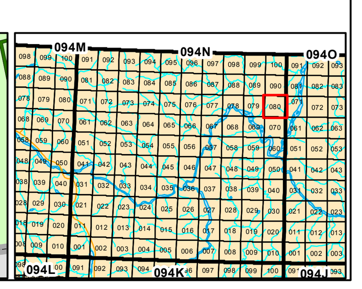
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

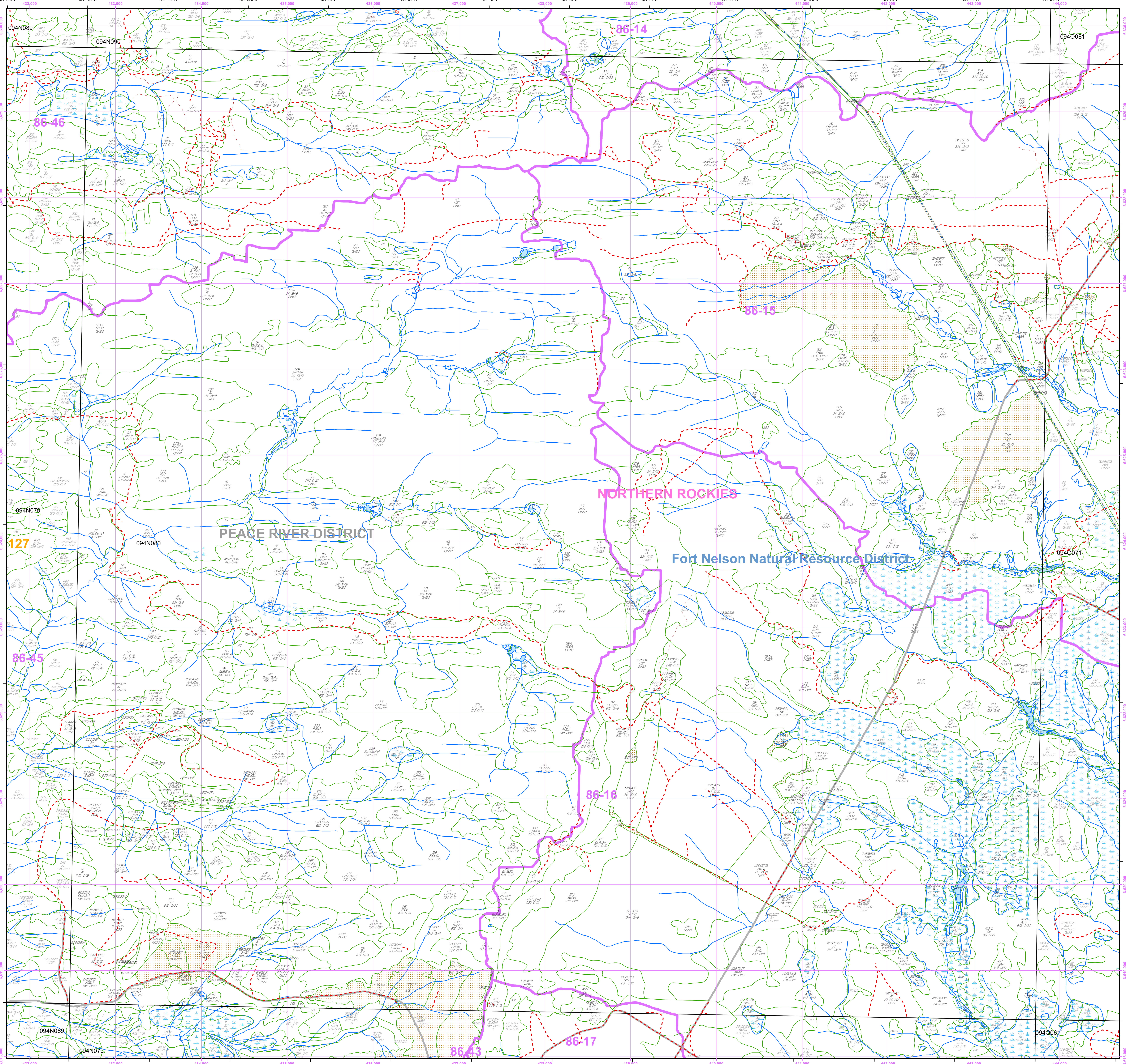
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

3 At(AcSb) 635-O/15	123 SwSbEp(At) 732-O/12 GN82	454 At 744-O/19	42267655 NSR GN82	90532808 Sw(Bl) 833-O/10
6 At(Ac) 745-O/18	126 Pl(AtEp) 314-11/11 GN61	455 Ac(At) 436-O/21	○2 42617937 Sw 211-15/15 GLB9	90634032 sl
7 Ac(At) 742-O/19	143 Sw 833-O/12	481 SwEp 535-O/16	43067812 Sw 845-O/12	95692906 Sw 835-O/13
8 Sb 827-O/7	151 Ep(Sw) 733-O/12	484 Ac 633-O/18	44807670 Ep(AtAcSb) 636-O/14	96912757 Sw 843-O/14
9 Sb(Pl) 827-O/8	156 Sb 823-O/8	489 Ac(Sw) 533-O/18	45595121 At 747-O/22	
15 SbAt 835-O/12	158 NCBR GN82	514 Pl 215-16/16 GN82	45895173 Sb 813-O/4 NP	
22 SwEp(Sb) 832-O/11	161 AtSwEpAc 735-O/17	522 Sb 211-15/15 GN82	45895609 At 747-O/22	
24 AtAc 734-O/17	176 Sb(Ep) 726-O/9	540 EpSw 221-20/20 GN82	79904756 AtAcEp(Sw) 745-O/22	
29 Sb 723-O/5	189 SbEp 733-O/10	628 At 745-O/19	80754536 sl	
38 AcAt(Sb) 633-O/13	192 SwEp(AtAc) 535-O/13	629 NSR GN82	80862994 Ep(SwAt) 536-O/14	
39 Sb(Pl) 825-O/8	197 Pl(Ep) 325-16/16 GN61	633 Sb 813-O/4 NP	81333797 Sw 843-O/12	
40 SwSb 842-O/11	198 Pl(Sb) 324-16/16 GN61	634 At(Ac) 646-O/23	82344188 SwEp(Sb) 536-O/13	
45 SbEp(AcPl) 733-O/14	201 Pl 315-11/11 GN61	635 Ac(At) 536-O/18	83223840 Sw 741-15/18	
46 Sb(Ep) 625-O/9	203/L NCBR	636 Sw 434-O/18	83313773 SbSw 833-O/8	
47 SwEpAtSb(Ac) 835-O/11	211 Ac 533-O/19	8952798 Sw(Sb) 536-O/13	83603340 Sw 844-O/12	
50 AcSb 631-O/15	215 Sw(Ac) 633-O/15	○1 18274475 Sw 211-15/15 GLB8	83614551 EpBlSw 113-20/20 GL02	
53 Sw(Sb) 833-O/12	228 SbEp 723-O/7	○1 20193871 Sw 211-15/15 GLB8	84024703 SwEp(Sb) 536-O/13	
55 SbEp 723-O/7	238 EpAt(Sw) 313-4/4 GN61	28828007 SwEp(Bl) 212-15/15 GLB9	84284507 EpBlSw(Ac) 112-18/18 GL02	
56 AcSb(PlEp) 633-O/16	249 AtAc 744-O/22	○1 28854358 Sw 211-15/15 GLB8	84552969 Sx(Bl) 112-15/15 GL00	
58 Sb 625-O/11	256 Sb 822-O/5 NP	30378048 Sw(At) 844-O/13	84892965 Sx(Bl) 112-15/15 GL00	
61 AtEpSb 633-O/17	279 EpPlSb 625-O/12	30533671 sl	85393013 Sx(Bl) 112-15/15 GL00	
63 Sb 624-O/11	282 Sw 833-O/11	34117938 Sw(At) 844-O/13	85474278 Sw 741-15/18	
64 Sb 625-O/11	292 Ac 535-O/19	35831500 Sb 824-9/8 GLB7	85883222 Sw(Bl) 834-O/10	
65 EpSw 526-O/13	293 Sb(Sw) 824-O/7	35838406 NCBR GN61	86134115 SwEp(Sb) 536-O/13	
66 AtAc(Sw) 634-O/18	310 Sw(Ep) 832-O/11 GN82	○1 32253327 Sw 211-15/15 GLB8	86134447 EpBlSw 113-20/20 GL02	
72 Sw(Sb) 832-O/11 GN82	313 Sw 845-O/12	32593448 Sb 824-9/8 GLB7	86972770 Sw 843-O/14	
74 SbSw 832-O/9 GN82	319 Sw 843-O/13	32793649 Sb 823-9/8 GLB7	87144493 BlSwEp 112-18/18 GL02	
75 SbSw 832-O/9 GN82	321 Sw(EpSb) 422-O/14	33268802 U	87314435 Sw 741-15/18	
79 SbAc 623-O/9	324 Ep(SwAt) 636-O/14	○2 33608065 Sw 211-15/15 GLB9	87454325 EpBlSw 113-20/20 GL02	
83 AtAc 535-O/20	339 Sw(SbEp) 836-O/11	33688143 Sw 217-15/15 GLB9	87564040 sl	
85 SbAt 623-O/10	385 Sw(Ep) 534-O/13	34272939 AcAt 645-O/19	87644015 AcSwEp 113-15/15 GL02	
94 Sb 725-O/8	391 Sb 726-O/8	35313216/L At 747-O/21	88764027 sl	
101 Sb 626-O/10	397 Sw 843-O/13	35838354 AtAc 746-O/19	89374074 EpSw 113-15/15 GL02	
106 SwEp(Sb) 535-O/13	411 EpAt(Sw) 532-O/14	40897934 Sw(At) 842-O/13 GN82	89423988 AcSwEp 113-12/12 GL02	
116 SwSb 832-O/8 GN82	440 Sb 812-O/4 NP	42037498 U	89664030 sl	

094N080