094P002

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
- 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:

○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	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	*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

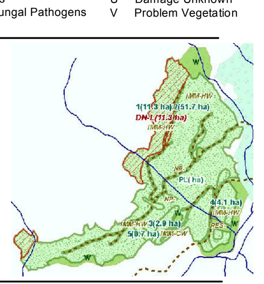
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

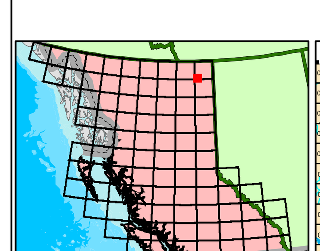
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

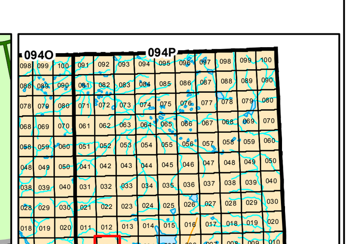
Example Opening History Details

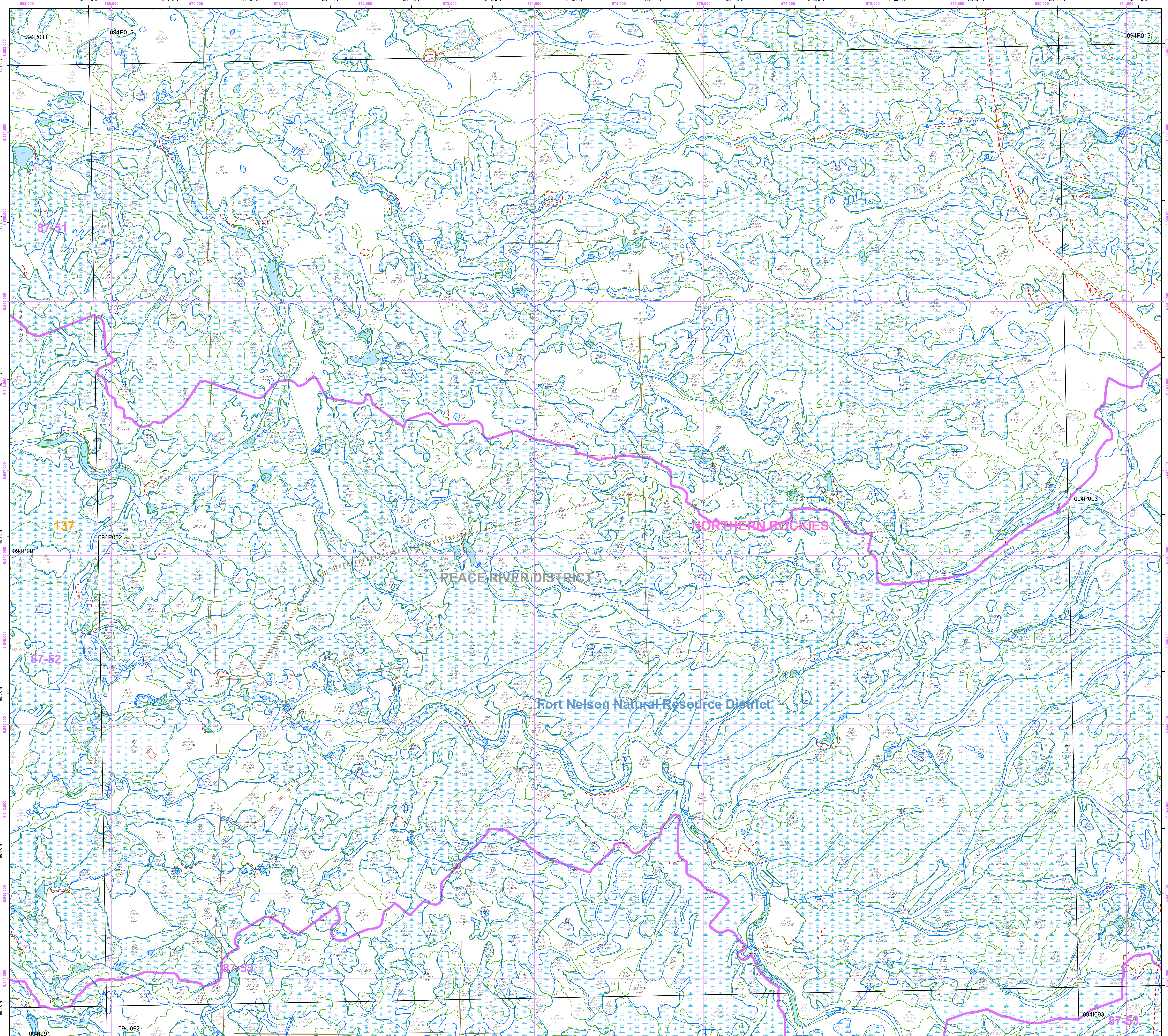
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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









Overflow Labels

8 At(Sw) 425-15/14 he,sl	166 At 427-15/14	274 Sx(At) 421-13/13 st,he	503 AtSb 422-16/15 st,he	621 Sb 411-4/3 hg,st,by	825 Sb(Pl) 414-5/4 sl,by,hg	1004 At 526-14/14
10 At 437-17/16	167 AtPl 436-20/20 sl	303 SbAtEp(Sw) 422-11/10 st,he	505 AtSw(Sb) 425-15/14 st	623 Sb 412-3/3 sl,by	829 st,hl,by	1006 Sb 510-6/6 st,hg
12 AtSw(SbAc) 426-14/13 st,he	168 At 436-20/19	305 SbAt 411-10/9 st,he,by	510 At 537-15/14	625 AtSb 422-13/12 st	837 hg,la,sl	1007 SbAt 521-9/8 st
14 At 427-16/15 he	170 Pl(At) 431-21/20 he,rz	307 At 427-16/15	515 Sb 510-4/3 hg,sl	638 SbAtPl 426-11/11 st,he	853 SbAt 427-10/10	1008 Sb 421-13/12 st,he,by
20 Sx(AtSb) 313-10/9 sl,hg	175 At 437-21/20	310 AtSw 431-17/16 he,sl	521 EpAt(Sw) 511-7/6 st	641 SbSw(Lt) 411-5/4 st,hg	854 Pl(At) 426-15/14 sl,by	1009 Sb 413-4/3 sl,by
21 At(Pl) 426-15/14 st,he	178 he,la	320 EpAtSb 411-8/7 st	532 SwSb(At) 422-12/11 st,he	642 Sb(Sw) 625-12/12 st,he	855 PlSb 323-15/14 he,by,st	1010 SwAt(Sb) 422-13/13 st,hg
26 Sb(Lt) 411-5/5 st,he	180 Pl(AtSw) 435-23/22 st,he	327 AtSb(Pl) 422-13/13 st	535 SbAt 526-9/8 st,he	643 Sb(Ep) 625-8/7 st,he	862 Sb 520-11/10 st,he	1011 Sb(Pl) 521-11/10 st,he
39 Sb 414-7/6 sl,by	181 At(PlSw) 425-16/15 st,he	349 SwSb(Ep) 413-8/8 st	536 hg	661 Sb 411-7/7 st,hg	869 Pl(Sb) 415-5/5 sl,by,he	1012 At 537-16/15
41 LtAtSw(Ep) 315-9/6 st,he	182 AtSw(Sb) 536-16/15 st,he	370 SbAt(Ep) 414-8/8 st	537 Sb(AtEp) 513-4/4 st,by	665 SbAt(Sw) 426-13/12 sl	878 Sb 411-5/5 st,he,by	1013 AtSw 421-15/14 st,he
42 LtAtEp 520-12/12 hg,sl	183 AtPl 436-21/20 sl	373 SbEp 524-13/12 st	546 Sb 510-4/3 hg,sl	675 SbAt 425-12/12 st,he	880 Sb 621-10/9 st,he	1016 Sb 514-4/3 sl,by
45 At 437-20/19 sl	185 EpLt 413-6/5 st	374 SbAt 525-12/11 sl,by	547 At 537-17/16	676 At 427-11/11	881 SbEp(SwPl) 425-9/9 he,st	1017 At(Sb) 426-15/14 st
63 Sb(At) 414-7/6 st	187 At 436-18/17 sl,he	375 EpSb(At) 415-7/6 st	548 SbSw(At) 523-8/8 st,he	678 SbSw(Lt) 425-12/12 st,he	886 PlSb 415-8/8 sl,by	1020 AtSw 431-19/18 st,he
68 Sb 411-4/3 he,st	192 SbAt 414-6/5 st,he	391 SbAt(Lt) 415-4/4 sl,by	553 SwAt(EpSb) 523-13/12 st	681 SbSwAt 425-9/9 st,he	893 Pl(Sb) 325-15/14 st,he	
69 SwSb 621-10/10 st,he	195 At 426-14/13 st,he	392 Sb 412-5/4 sl,by	554 Sb(AtSw) 524-11/10 sl,by	687 SwAt 426-13/12 st,he	899 Sb 411-5/5 sl,by	
74 he,es	196 At 436-18/17 sl	393 At 437-18/17	557 Sb(At) 524-8/8 sl	690 Sb(LtSw) 426-10/10 sl,by	906 AtPl 537-16/15 by	
75 Sb(At) 414-5/4 sl,by	197 At(Sb) 415-8/7 st,he	394 At 420-11/10 st,he	558 At 536-17/17 st	700 SbLt 422-9/9 st,hg	911 Pl(At) 537-17/16 by	
77 At 425-15/14 st	198 SbLtAt 414-4/4 sl,by	396 SwAt 423-13/13 he,sl	561 Sb(At) 513-7/6 st	703 SbLt 425-10/10 sl	916 Pl(Sb) 427-16/15 he,by	
80 Sb(At) 414-5/4 sl,by	199 SbLt 410-4/3 hg,st	397 SbAt(Sw) 411-6/5 st,he	565 At 537-14/14	704 SbPl(At) 426-10/10 sl,by	921 Pl(Sb) 527-12/12	
90 At(Ac) 425-16/15 st	200 At(Sb) 437-17/17	412 At(Sw) 431-17/16 st,he	566 SbAt(Sw) 524-13/12 st	715 AtSb(Pl) 425-12/12 sl,by	931 SbPl(Lt) 415-7/6 sl,by	
100 SwAt(SbEp) 421-11/10 st,la,hg	201 At 437-16/15	417 Sb(At) 412-7/7 st	576 AtSb 525-14/13 sl	716 AtSb(Lt) 415-9/8 sl,by	933 Sb 512-7/6 hg,sl	
111 he,sl	204 At 427-14/13	429 At 427-15/14	577 SwSbEp 624-11/10 st	732 SwSb(At) 536-15/14 st	935 PlSbAt 426-15/14 he	
117 AtSb 425-14/13 st	205 At 427-14/13	430 AtSw 413-9/8 he,sl	578 SbAt(Sw) 525-14/14 sl,by	734 At(Sb) 535-15/14 st	939 Pl(SbAt) 426-11/10 by	
123 Sb 513-4/4 st	207 At(Sw) 426-15/14 sl	433 At 427-15/14	580 Sb 513-4/3 sl,by	736 hg,sl,la	940 st,hg,by,la	
126 AtSb 435-18/17 st,he	211 At 437-16/15	441 Sb 514-6/6 sl,he,by	582 SwSbEp 535-14/13 st	737 SbAt 414-6/5 sl,by	943 Pl(Sb) 537-17/16 by	
128 Sb 615-5/4 sl,by	221 AtSb 423-15/14 st,he	444 AtSb 425-14/13 st,he	592 EpAtSw 525-11/10 st	751 Sb 515-6/5 sl,by	949 Sb 411-9/8 sl,he,by	
130 Sb 513-2/2 sl,by,he	235 At(Pl) 426-16/15 he	451 Sb 413-6/5 sl	593 SbSw 626-7/6 sl,by	753 Sb(At) 514-5/4 sl,by	951 PlSb 415-5/4 sl,by	
131 At(Sw) 426-13/13 sl	238 At 427-15/14	465 AtSb 423-15/14 st,by,he	594 Sb 514-4/4 sl,by	780 At 537-15/14 st,he	957 SbSwPl 425-9/9 st,he	
138 AtSw(Sb) 425-14/13 st,he	240 At(Sw) 435-17/16 st,he	472 SwAt 323-15/15 st,he	596 SbAt(Lt) 523-9/9 hg,sl	783 Sb 516-6/6 by	973 SbSw(Lt) 515-6/6 sl	
148 EpAcAt(SbSw) 424-15/14 st,he	246 AtSw 421-15/14 st,he	481 At 426-13/13	597 Sb 410-6/5 sl,by	788 At(Sw) 536-16/15 st,he	975 SbPl 413-4/3 sl,by	
153 At 426-14/13 he	249 st,he	482 AtSb(SwEp) 422-10/9 st	603 At 427-12/12	790 At 427-15/14	979 PlSb 424-16/15 by	
157 At 537-15/15	251 At 435-19/18 st,he	489 AtSb 424-13/13 sl	606 SbAtSw 414-9/8 st,he	791 Sb(Lt) 513-5/4 he,sl,by	992 AtEp 320-13/12 st,la,hg,by	
164 Ep 423-17/16 st	255 Sb(SwAt) 411-5/4 st,he	490 Sw(Ep) 534-15/14 st,he	611 AtSb 435-17/16 he,sl	792 Sb 414-3/3 sl,by	995 At 426-11/10 he,sl,by	
165 st,he,la	263 SbAt 410-5/4 st,he	497 At 426-15/14 sl	614 AtPl(SbSw) 426-13/13 st,he	815 hg,sl	1003 AtEp 320-13/12 st,la,hg,by	

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