094P043

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094P043

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
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)
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
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
rm 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

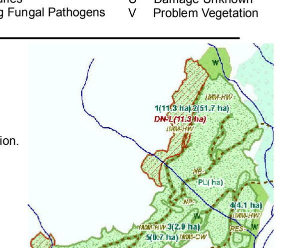
Line 6 - Disturbance History

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.

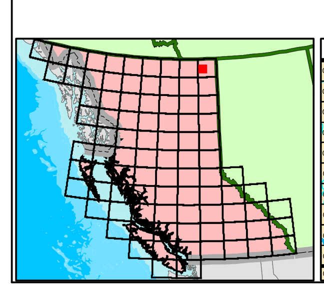
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

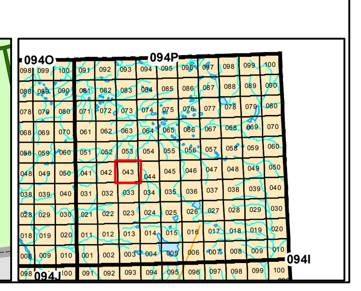
Example Opening History Details

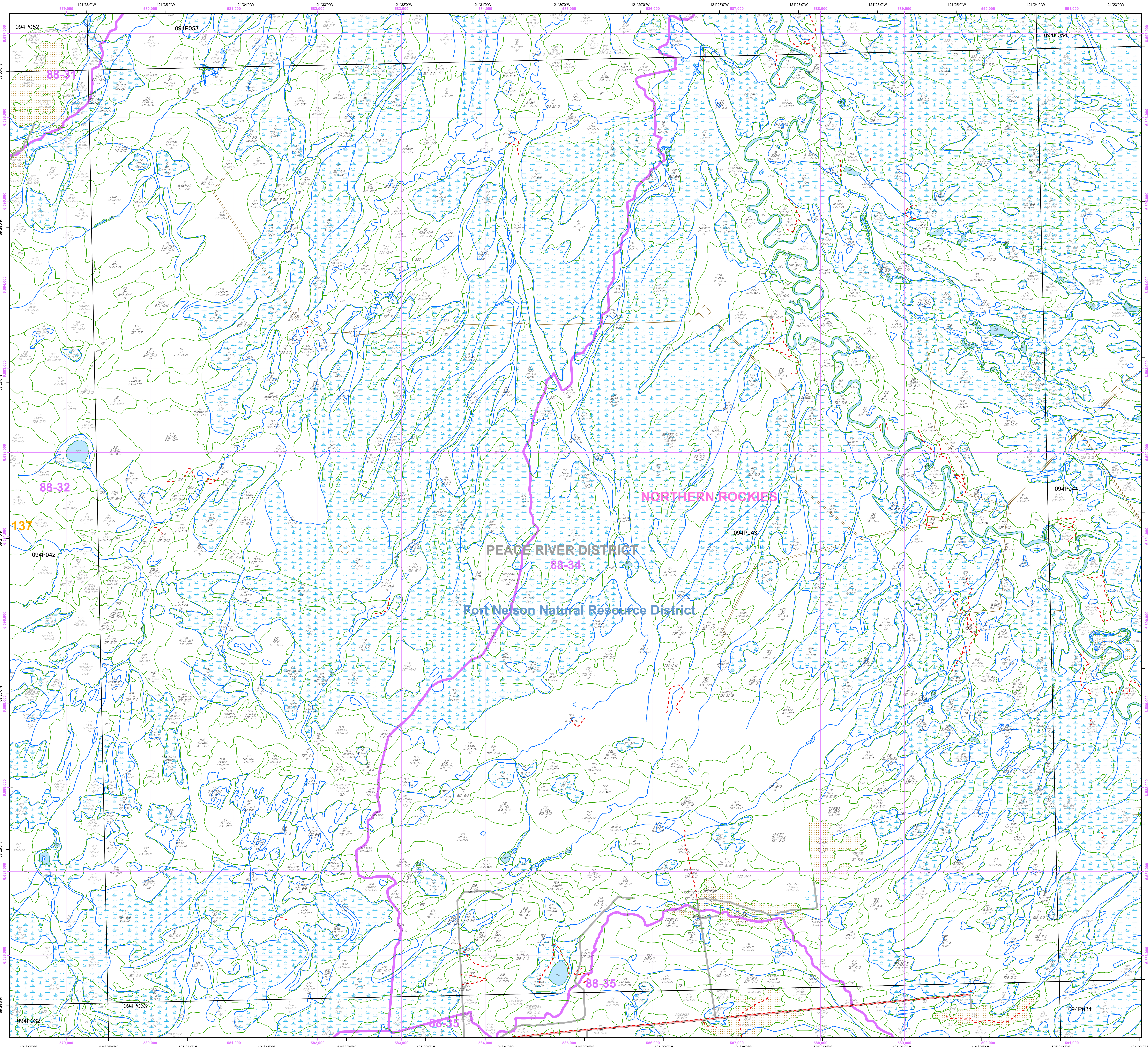
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.



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

1 AtSw 837-17/16	175 PlAt(Sb) 428-13/12	343/L SwPlAt 733-12/12	495 Sw(Sb) 636-12/12 he	758 Sb 517-7/6
3 Sw(AtSb) 737-13/12 he	177 Sb(Lt) 724-7/6 by,te	344 AtPlSw 837-16/15	502 AtSw 437-17/16	762 PlSw 438-18/17
25 Sw 845-12/12 by	178 Sw(At) 737-14/13 st	345 SbPl(AtSw) 411-9/8 st,by	506 Sb 521-11/11 st,te	772 Sb 714-5/5 by
30 Sb 826-6/6 by	179 SwAt 837-12/11	348 Sw(At) 736-13/12	507 PlSw(At) 427-12/11 he	786 SbSw 827-4/3 he,sl
38 SwSb(At) 847-12/12	180 SwSb(At) 737-10/10 st	349 PlSw(At) 427-17/16	577 SwSb(At) 637-12/12	800 Sb 726-6/6 by
42 SwSb 737-12/12 he	204 PlSw(At) 727-11/10	351 SwPl(At) 437-21/20	584 At 438-17/16	801 Sb 515-6/6 by
45 SbSw 726-10/9 he	212 SwSb(AtPl) 638-12/11	355 PlSw(At) 427-17/16	596 by,sl,te	802 Sb 826-7/6 by,te
52 Sb 412-6/5 by,sl,te	215 SwEp 520-13/13 by,sl,te,la	359 PlSw 428-17/16	598 SwSb(At) 837-11/10	804 Sw(AtSbPl) 847-14/13
53 SwSb(PlAt) 527-13/13	221 SwSb(At) 737-10/10	360 Sw 538-18/17	602 Sb 728-7/6	947510 SwSb 638-12/12
62 SwSb 528-13/13	222 Sb 716-5/5 by	367 Sw 435-21/20 he	624 Sb 721-8/8 by,sl,te	7178277 SwAt(PlSb) 737-0/11
64 SwSb 837-8/8	223 Sw 836-12/11 he	373 Sw 846-14/13 he,rl	626 Sb 413-6/5 by,sl,te	12017577/L PlSw(SbAt) 627-12/11 G/11
66 Ac(Sw) 847-14/16	224 Pl(SwSb) 427-12/11	381 PlSwAt 427-13/12 he	632 Sw 632-12/12 st,te	○3 94327610 Sx 111-15/15 GL03
75 Sw 737-12/12	228 Pl(SwSb) 428-12/11	383 SwSb(At) 736-10/9	637 Sb 823-6/5 st,by	○3 9986758 SwEp 836-0/13
80 Ac 637-11/12	229 SbSw 827-6/6	390 Sb 827-6/6 he	638 Sb 726-7/6 by	
90 SwAtSb(Ac) 837-10/9	236 Sb 826-7/6 by	402 SwAt(PlSb) 637-12/11 he	645 At(Sw) 437-18/17	
100 SwSb 737-12/11 he	244 SbSwPl(Ep) 726-7/6 by	407 SwSb 836-9/9	648 Sw(At) 337-24/23	
105 Sw(At) 338-21/20	252 Sw 730-12/11 he,st,by	408 Sw(At) 637-13/12	654 AtSw 737-16/15 he	
108 PlSw(Sb) 428-14/13	253 SwPl(Sb) 737-11/10	411 Sb(Pl) 723-6/6 by,te	658 At(Sw) 631-17/16 st	
109 SwSb 837-10/9	255 SwSb(Sb) 637-14/13	422 At(Sw) 537-15/15	675 SwAt 835-12/11 st	
112 SwPl 737-13/12	259 Sw 847-14/13	424 At(SwAc) 530-14/14 he,st	677 SwSb 527-14/13 by	
115 Sw 847-13/12 he	261 Sb 438-22/21 he	441 rs	679 Sw 538-16/15	
124 Sw 847-16/15	263 Sw 847-16/15 he	442 Sw 737-14/13	681 SwSb 428-16/15	
127 Sw 847-16/15	270 Sw 737-14/14	452 Sw 736-13/12 he	689 Sb 511-7/6 by,sl,te	
128 Sw 847-16/15	280 Sw 847-15/14	454 SwSb 837-12/11	695 EpSwAt 538-15/15	
129 rs	284 Sw 847-15/14	460 Sw 637-13/12	698 Sw 730-10/10 sl,te,by,la	
130 PlSw(At) 627-13/12	286/L Sw 842-16/15	470 AcSw 733-11/13 st,la	700 SbSw(AtEp) 711-5/5 st,by,te	
134 Sw 438-22/21	289 he,st,by,la	471 AcSwAt 537-15/16	703 Sw 730-10/10 la,st,te,by	
142/L Sw(Sb) 327-19/18	307 SwAtSb 737-10/10	473 AcSwAt 320-14/14 st,te	709 SwEpAt 438-21/20 st	
144 SwPl(Sb) 837-11/10	311 by,sl,te	474 SwSb(At) 837-12/11	710 AtSb(SwPl) 538-14/14	
146 SbSw 827-7/6	328 AtPl(AcSw) 527-14/14	475 SwAc(At) 538-17/16	716 Sb(AtSwPl) 417-10/9 by	
149 SwSb 837-10/10	331 Sb 724-6/5 by,te,sl	476 Sb 713-4/4 by,sl,te	717 Pl(At) 428-17/16	
155 Sb 825-4/4 by,sl	332 SbPl 415-10/9 st,by	477 SbSw(AtPl) 513-8/7 st,by	722 PlSb 428-13/12	
160 SwSbAt 637-12/12	333 Sw 846-14/13 he	480 PlSw 538-16/15 he	731 PlSb 428-13/12	
172 Sb 727-6/5	334/L Pl(SbSwAt) 426-12/11	486 Sw 430-23/22 st,te	746 Sb 428-12/12	
173 SwSb 837-10/10	335 Pl 428-14/13	493 Sw(Sb) 836-10/10 he	755 PlSw(At) 428-17/16	

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