094P045

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
094P045

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)

VEGETATION LABEL DETAILS

Example of a Vegetation 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
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 *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
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

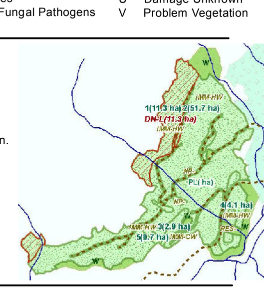
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

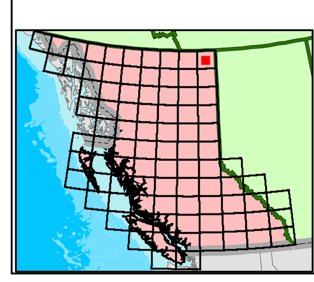
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

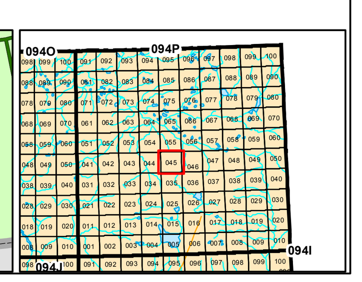
Example Opening History Details

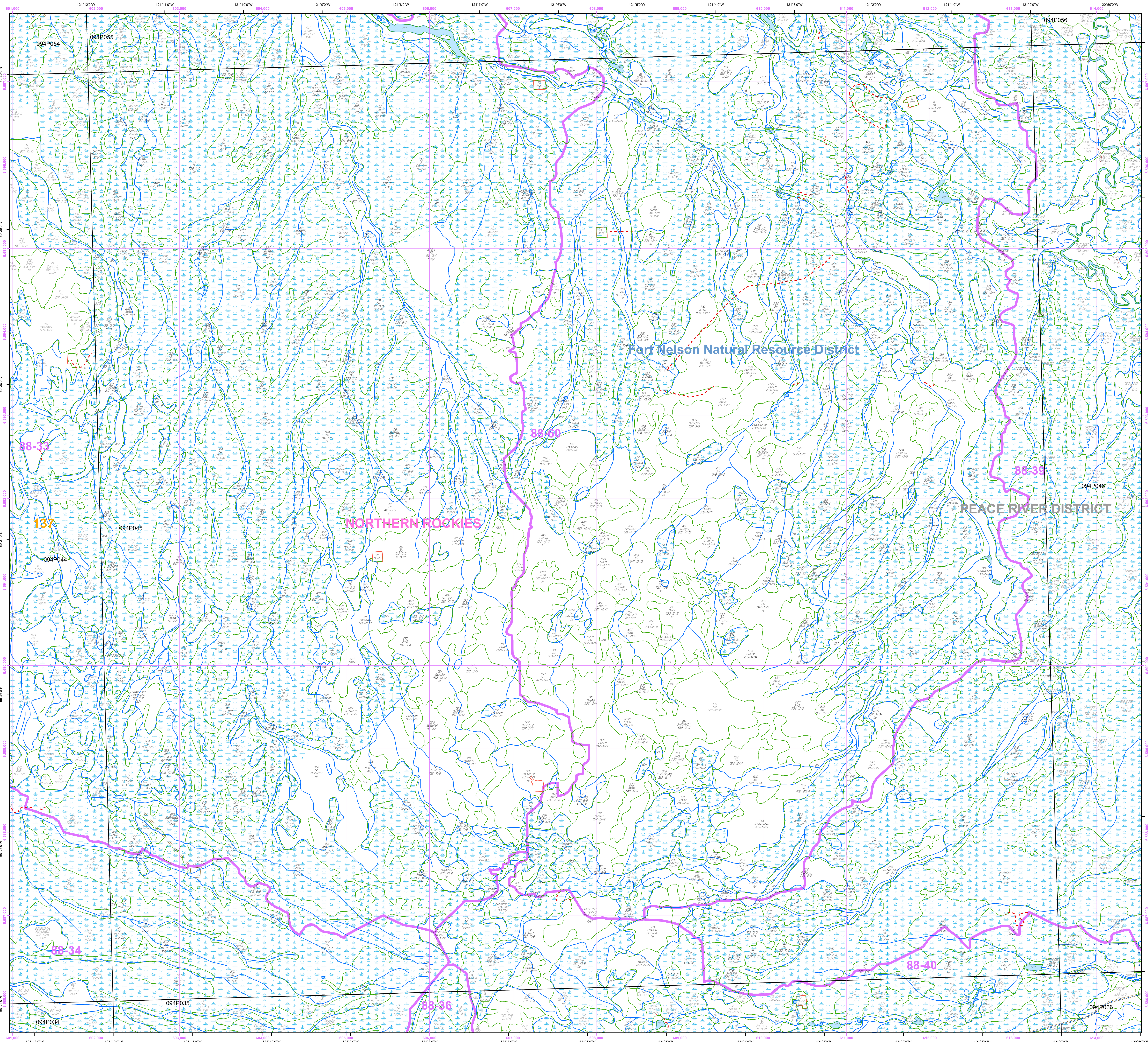
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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 Sw 835-10/10 he,sl	147 Sb 524-8/7 sl,by	337 SwSbAt 528-12/12	608 Sb 512-6/6 by,he,sl	86720000/L PlSb 526-8/7 GJ11
2 SbSw 725-7/6 by,sl,he	149 Sb 510-4/4 by,sl,he	347 Sw 636-12/11 he	611 Sw 830-11/10 sl	94939967/L SbPl 514-6/6 by,he GJ11
6 Sb 515-6/5 sl,by,he	155 Sw 636-12/11 sl	360 Pl(Sb) 517-6/6 by	612 Sw 830-11/10 sl	
10 AtSw(Sb) 738-15/14	161 Sw 845-13/12 he	361 SwAtSb 736-11/10 he,by	615 Sw(AtSb) 836-12/11 sl	
13 Sb 525-11/11 sl,by,he	162 Sw(Sb) 835-12/11 sl	363 Sb 513-5/5 by,sl,he	631 SwSb 837-12/11	
15/L SbSw 527-13/13	166 Sw(At) 736-14/14 sl	365 Pl(Sb) 517-6/6 by	634 SwSb(At) 737-10/9	
29 Sb 514-4/4 by,sl	173 Sw 526-13/12 sl	367 SwAt 738-12/11	636 SwSb(At) 737-10/9 he	
30 SwSb 837-8/8	176 Sb 820-5/5 sl,he,by,la	373 Sb 513-4/4 by,sl,he	638 SwSb(At) 737-10/9 he	
34 SbPl 728-7/6	177 Sb 511-5/4 sl,he,by	381 Sb 826-5/5 sl,he,by	640 SwAtSb 737-10/10	
37 SbSw 513-7/6 sl,he,by	183 SbLt 611-5/4 sl,hg	382 SwSb 837-9/9	653 Sb 826-6/5 by	
40 Sw(Sb) 635-14/14 sl,he	185 Sb 727-6/5 sl,by	390 SwSb(Ep) 837-10/9	659 Sb 824-6/5 sl,he	
52 Sb 512-6/5 sl,by,he	199 SwAtSb 838-12/11	409 SbSw 828-8/7	664 At(SwPl) 527-13/12 he	
59 sl,hg,by	200 At 537-15/15	415 Sb 512-5/5 by,sl,he	665 SbSw(AtEp) 521-12/12 sl	
62 Sw(At) 434-20/19 sl,by	201 SwAt(Ac) 537-18/17 sl	423 Sb(Sw) 516-5/5 by	675 SbSwPl(At) 527-9/8 sl,he	
63 Sb 411-6/5 sl,by,he	202 EpAtSw 317-9/9 sl	432 SwSb(At) 428-13/13	677 SbSw(At) 826-7/7 sl	
68 Sb 515-5/5 by,sl,he	203 Sb 516-5/5 by,sl	439 SbSw 828-6/5	678 Sb 511-4/4 by,sl,he	
71 Sb 826-5/4 sl,hg	204 Sw(At) 738-12/11	469 SbEp 510-8/7 sl,by,he	689 Sb 727-7/6 he	
75 Sb 724-10/9 he	205 AcSwAt 734-12/14 sl	471 SwSb(At) 428-14/14	690 Sb 714-4/4 by,sl,he	
83 Sw 835-9/8 sl	207 Sw 637-14/14	479 Sw 630-12/12 sl	697 Sb 727-6/5	
88 by,sl,he	213 AtSw 635-14/13 sl,he	484 Sb 527-10/10	713 Sb 514-5/5 by,sl,he	
110 Sb(Lt) 511-7/6 sl,he,by	222 Sb 822-6/5 sl,he,by	495 Sb 528-9/8	721 Sb 514-7/6 by,sl,he	
111 PlSb 428-11/10	238 SwEpSb 737-10/10 sl	497 Sw 637-12/12	734 SbSw 727-10/9 he	
113 Sb 726-6/5 by	239 SbSw 726-7/6 sl,he	506 SwPl(At) 737-13/12 he	741 SbSw 727-9/8	
118 sl,he,by	250 SwSb 836-7/6 he	522 Sb 516-5/5 by	764 Sb 727-8/8 sl	
119 Sw(At) 736-15/14 sl	252 Sb 827-6/5	524 PlSb 528-8/7	772 Sb 723-7/6 sl	
121 he	258 SbSw 823-7/6 sl,he,by	525 SwSb 837-10/9	776 Sb 816-4/4 sl,he	
123 SwAt 637-12/12	262 At(PlSb) 732-12/11 sl,by,he	539 SbSw(AtEp) 521-12/12 sl	49974582 Sb 511-5/4 sl,he,by	
126 SwEp(At) 535-13/12 sl	266 At 737-15/14 he	542 PlSw(SbAt) 527-12/12	50023332 Sb 511-6/6 by,he,sl	
129 Sb 611-6/5 sl,he,by	267 SbSw(At) 828-8/7	562 At 638-14/13	50913350 Sw(At) 737-13/12	
130 Sb 710-4/4 sl,he	272 Sb 513-4/4 by,sl,he	567 Sb 513-6/6 by,he	51283035 Sb 627-10/10 he	
132 Sw(Sb) 521-12/12 sl	303 Sw 833-12/11 sl	572 AtSw(Sb) 738-15/14	51612778 Sb 824-7/6 sl,by	
135 PlSb 428-11/10	326 Sw 836-11/10	576 Sb 514-5/5 by,sl,he	53120211 Sb 517-5/5 by	
144 sl,he,by	329 Sw 733-10/9 sl,he	598 Sw 830-11/10 sl	53160425 SbSw 515-6/6 by,sl,he	
145 Sb 821-5/5 sl	330 Sb 520-9/8 sl,by	604 Sb 715-4/4 by,sl,he	53270092 Sb 727-6/6	

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