094P051

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

094P051

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)	4b HEIGHT CLASS CODE	LIMITS (metres)	4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
				0	0 - 5
1	1-20	1	0.1 - 10.4	1	6 - 15
2	21-40	2	10.5 - 19.4	2	16 - 25
3	41-60	3	19.5 - 28.4	3	26 - 35
4	61-80	4	28.5 - 37.4	4	36 - 45
5	81-100	5	37.5 - 46.4	5	46 - 55
6	101-120	6	46.5 - 55.4	6	56 - 65
7	121-140	7	55.5 - 64.4	7	66 - 75
8	141-250	8	65.5 +	8	76 - 85
9	251 +			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, 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, 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

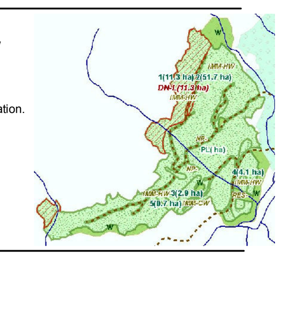
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

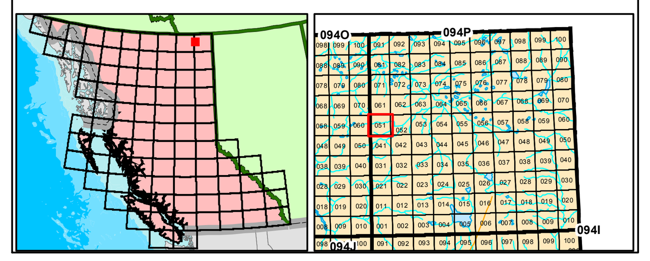
A Animal Damage, B Wildfire, C Cone and Seed Insects, D Diseases, I Insects
L Logging, M Mite Damage, N Non-Biological Injuries, P Cone and Seedling Fungal Pathogens
R Site Rehabilitation, T Treatment Injuries, U Damage Unknown, V Problem Vegetation

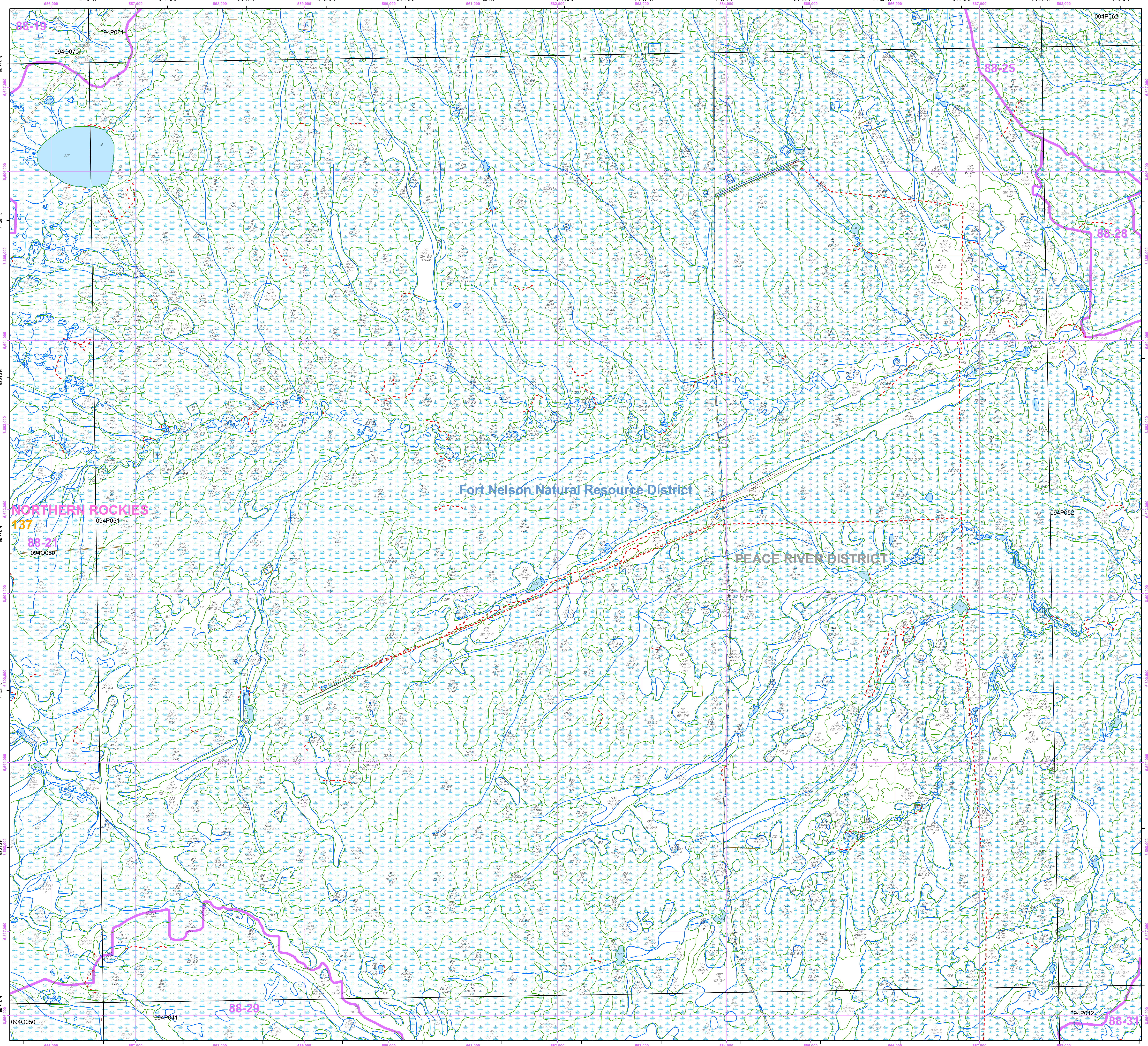
Example Opening History Details

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 Sb 412-5/4 sl hg	140 Sb 510-5/4 sl	260 Lt(Sb) 822-4/6 sl by	476 SbSwAt 526-10/10	616 At(SwPl) 525-14/14 sl	736 Sb 620-8/7 hg	900 At(PlSbSw) 525-12/11 sl	1039 Pl 525-13/12 sl	1134 SbLt(AtSw) 613-6/6 sl he
2 Sb 614-4/4 sl hg	144 Sb 613-4/3 sl by	263 Lt(Sb) 822-4/6 sl by	490 Sb(Sw) 822-8/7 sl by	620 SbSw 616-6/6	741 SwAt(SbPl) 624-11/10 sl la he	906 Sb 411-4/3 sl	1041 Sb 411-5/4 sl by	1135 AtSw 212-14/14 he sl
3 Sb 512-6/5 sl hg by	147 sl he	266 Lt(Sb) 821-4/6 sl by	506 SwSb(At) 524-13/13 sl he	623 Sb 625-7/6 sl	742 At(SbSwPl) 525-13/13 sl	907 SbSw(At) 515-7/7 sl by	1046 Sb 311-5/5 sl he	1137 Sw 735-15/14 sl he
6 Sb(Lt) 613-4/3 sl by	148 Sb(Lt) 825-8/7 sl by	273 Sb 811-3/3 sl by	507 SbSb 835-10/11 ri sl he	632 SbAt 426-12/12	746 Sb(LtSw) 624-7/6 sl	909 Sb 612-6/6 sl	1048 AtSb 527-12/11 by	6418727/L SbPl 525-11/10 sl Gl11
11 Sb 412-5/4 sl by	149 Sb 712-5/4 sl he	279 Sb 425-9/9 sl by	508 AtSb 526-13/13 sl by	636 AtSw 631-13/13 sl he	747 Sb(Sw) 623-10/9 sl he by	910 Sb 511-5/5 sl by	1049 Sb 511-6/5 sl	74084631/L PlAt 624-12/11 sl he Gl11
13 Sb(Lt) 412-4/3 sl hg by	154 Sb(Lt) 511-4/4 sl	284 SbSw(Ep) 725-7/6 by sl	509 Sb 612-6/5 sl	637 Sb 412-6/5 sl	754 Sb(Sw) 525-8/7 he sl	911 Sb 512-6/6 sl	1052 Sb(SwEp) 723-8/7 sl	79955943/L PlAt(Sb) 523-11/10 sl he Gl11
22 Sb 513-5/4 sl by	158 Sb(Lt) 511-5/4 sl he	285 Sb(Lt) 513-5/4 sl by	510 Sb 626-8/7 sl by	641 Sb 411-5/4 sl by	758 he	912 SbSw 524-8/8 sl	1054 Sb 513-5/5 sl by	
23 Sb 412-4/3 sl by	166 hg sl	294 Sb 424-9/9 sl by	513 Sb 812-4/3 sl by	651 Sb 825-7/6 sl by	765 At 426-11/11 sl he	913 Sb(Lt) 712-3/3 sl by	1056 AtSb 311-9/8 sl he	
26 Sb(Lt) 614-4/4 sl by	170 Sb(LtEp) 824-6/5 sl he	295 LtSb 723-7/9 sl by	514 Sb(LtSw) 711-5/5 hg sl ri	653 SbLt 513-6/5 sl by	766 Sb 510-6/6 sl	918 At 537-16/15 by	1063 At 537-16/15	
29 Sb 824-6/5 sl by	172 Sb(Lt) 510-4/4 sl la he	306 SbLt 615-6/5 sl by	526 SbAt 527-9/9	660 Pl 526-13/12 sl	767 AtSb 525-13/13 sl he	933 At(EpSb) 535-16/15 sl by	1065 SbSwAt 414-6/5 sl	
31 Sb(Lt) 511-5/4 sl	174 Sb 612-4/4 sl by	311 Sb 411-4/3 sl by	527 At(PlSb) 525-13/13 sl he	663 Pl(At) 525-11/11 sl	778 Sb(Sw) 523-8/7 sl	938 Sb 612-6/5 sl he	1067 Sb 614-5/5 sl by	
35 Sb 823-7/6 sl by	182 Sb 711-5/4 sl	318 Sb 511-6/6 sl by	529 Sb(SwEp) 422-10/10 sl ri	666 Sb(Ep) 724-7/7 sl he by	781 SbAt 515-8/8 sl	939 SwSb(PlAt) 635-14/13 sl he	1068 At(SbPl) 424-15/14 sl he	
45 Sb 612-6/5 sl he	185 PlSb 526-12/12	319 Sw(Ep) 513-7/6 sl	530 At(PlSb) 535-15/14 sl he	667 Sb 724-6/5 sl by	802 At 527-12/11	940 At(Pl) 536-15/14	1076 At(SbPl) 526-12/11 sl	
48 Sb 714-5/5 sl by	188 Sb 611-4/3 sl by	326 SbSw 625-7/6 sl by	531 Sb 621-8/8 sl by	668 At(SbPl) 525-13/13 sl he	803 Sb 623-9/8 sl by	941 At(SbPl) 525-14/14 sl by	1079 SbSw 410-7/6 sl	
50 Sb(Lt) 513-4/4 sl by	191 Sb(LtEp) 825-6/5 sl	364 Sb(Lt) 511-5/4 sl	534 SbAt(Sw) 625-8/7 sl	679 At(Sb) 526-13/13 by	815 SbAt(Sw) 524-8/8 sl by	943 SbSwEp(Lt) 622-6/6 sl	1082 Sb 714-5/5	
55 Sb(Lt) 513-4/4 sl by	197 SbLt 411-6/5 sl hg	371 Sb(Sw) 715-5/5 sl	537 SbSw(Ep) 722-9/8 sl he by	699 Sb(PlAt) 514-8/7 sl	827 Sb 510-5/4 hg sl la	945 SbAt 511-6/5 sl by	1091 SbAt 625-8/7 sl by	
70 Sb 814-4/3 sl by	221 Sb 826-7/6 sl by	373 Sb 613-5/4 sl he by	543 Sb(AtSw) 625-8/7 sl by	701 Sb 512-5/5 sl by	835 At(Sb) 426-11/11 sl	955 AtSb 425-13/13 by	1096 Sb 510-6/5 sl	
78 Sb 612-4/4 sl by	224 Sb 513-5/5 sl	385 Ep(SbSw) 425-9/8 sl by	549 At(Pl) 536-15/14 sl	702 Sb 824-8/7 sl	840 At(Sb) 526-13/13	959 At 537-16/15	1102 At(Pl) 528-12/11 sl	
85 Sb(Ep) 825-7/6 he sl	236 Sb(At) 625-9/8 sl by	389 Sb 513-6/6 sl by	551 SbEpSw(Lt) 624-9/8 sl he by	703 Sb 721-8/7 sl by	841 At(Sw) 426-11/11 sl	977 AtSb 425-11/11 sl	1104 Sb 724-6/6 sl	
97 Sb 513-5/4 sl by	240 Sb 617-6/5 sl	391 Sb 412-6/6 sl by	552 Sb(AtSw) 725-8/7 by sl	705 Sb 513-5/5 sl by	846 SbSwAt 513-7/7 sl	984 Sb(AtEpSw) 624-7/6 sl	1106 SbAtSw(Ep) 632-14/13 sl	
109 Sb 512-5/4 sl by	243 SbSw(Lt) 716-5/5 sl	394 Sb(Sw) 416-7/7 sl by	556 SbSw 624-8/8 la sl hg by	706/L At(Sb) 312-4/4 sl he	848 At 526-13/12 sl	991 At(Sb) 525-12/12 he sl	1108 SbSwAt(Ep) 413-8/8 sl	
110 Sb 512-5/5 sl he	245 Sb 512-6/5 sl by	395 Sb 414-8/7 sl by	557 he la	707 Sb(At) 612-4/3 sl he	852 SbSw 611-5/4 sl	993 At 527-14/14	1109 Sb 516-6/5 by	
115 Sb 513-5/5 sl	249 Sb 514-5/4 sl by	397 Sb(EpSw) 414-8/7 sl by	564 Sb 622-11/10 sl by	709 At 526-13/13	857 At(SwSb) 534-15/14 sl he	1001 SbAt(EpSw) 624-8/7 sl by	1110 At 634-14/13 sl	
119 Sb 514-7/6 sl by	250 Sb 614-4/4 sl by	399 Sb 614-4/4 sl by	565 Sb(SwPl) 524-11/11 sl	714 At(Sb) 524-13/13 sl	862 Sb 511-5/5 sl	1003 At 526-14/14	1111 Sw(Sb) 624-11/10 sl	
120 Sb 512-5/4 sl he	252 SbSw(Lt) 715-5/5 sl by	401 Sb(At) 423-9/9 sl by	569 SbSw 624-8/7 sl he by	716 At 537-16/16	866 AtSw(Sb) 534-15/14 sl he	1004 Pl 524-12/11 sl he	1113 SwAt(EpSb) 733-9/8 sl	
121 Sb 725-9/8 sl	253 Sb 513-5/4 sl by	407 SwSb(Ep) 525-11/10 sl ri he	574 Sb 415-6/6 by	718 At 537-16/16	870 Sb 510-6/6 hg sl	1009 At(Pl) 525-13/12 sl he	1114 hg	
126 Sb 410-5/4 sl he	254 Sb 615-6/5 sl by	409/L Sb(SwEp) 425-9/9 by	576 Sb 510-8/8 sl he	725 At(Pl) 526-14/14	872 At 426-11/11	1013 Sb 510-7/6 sl	1115 Sb 612-4/3 sl by	
128 Sb 514-7/6 sl he	255 Sb 512-6/5 sl by	411 Sb 611-4/3 sl	580 SbSw 425-12/12 by	726 Sb(AtSw) 624-11/10 sl by	880 At(PlSb) 525-12/11 sl he	1017 At(Sb) 525-13/12 sl	1118 Sb 512-4/4 sl by	
131 Sb 824-5/4 sl	256 Sb(Sw) 615-6/5 sl	412/L sl ri he	581 Sb 515-8/8 sl	730 AtSb 524-13/13 sl	882 SbAt(Pl) 524-9/9 sl by	1025 SwSb(AtEp) 523-8/7 sl	1119 SbEp 515-7/6 sl	
135 Sb 614-4/4 by sl	257 Lt 812-2/5 sl by	425 Pl(AtSb) 624-12/12 sl he	583 Sb 412-6/5 sl by	731 At(Sb) 425-14/13 sl	893 At 527-13/12	1027 Pl(At) 526-11/11 sl he	1121 SbAt(EpSw) 624-8/7 sl by	
137 Sb 515-6/5 sl by	258 Lt 411-6/3 sl by hg	441 Sb 516-8/7 by	587 Pl(At) 536-17/16 sl	734 SbAt(Sw) 525-9/8 sl	896 At(SbSw) 524-12/11 sl he by	1030 Sb 613-5/5 sl by	1123 Sb 724-6/6 sl	
138 Sb 826-7/6 sl by	259 LtSb 414-7/6 sl by	469/L SbSw 822-7/6 sl by	600 SbSw 625-6/6 sl by	735 At(Pl) 536-15/14	899 Sb 610-5/4 hg ri sl	1035 At 536-15/14 sl he	1127 Sb 612-6/6 sl	

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