Vegetation Map

094O046

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
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.

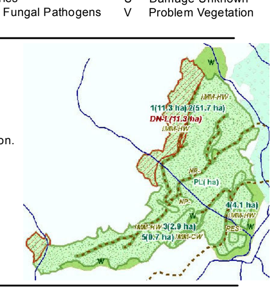
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

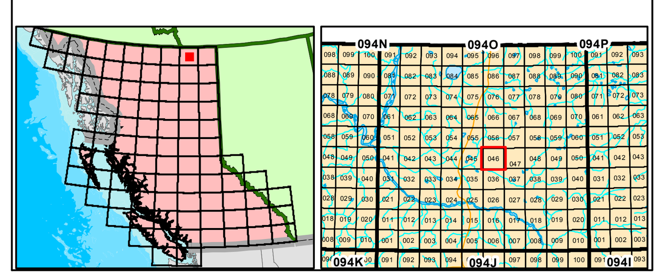
Example Opening History Details

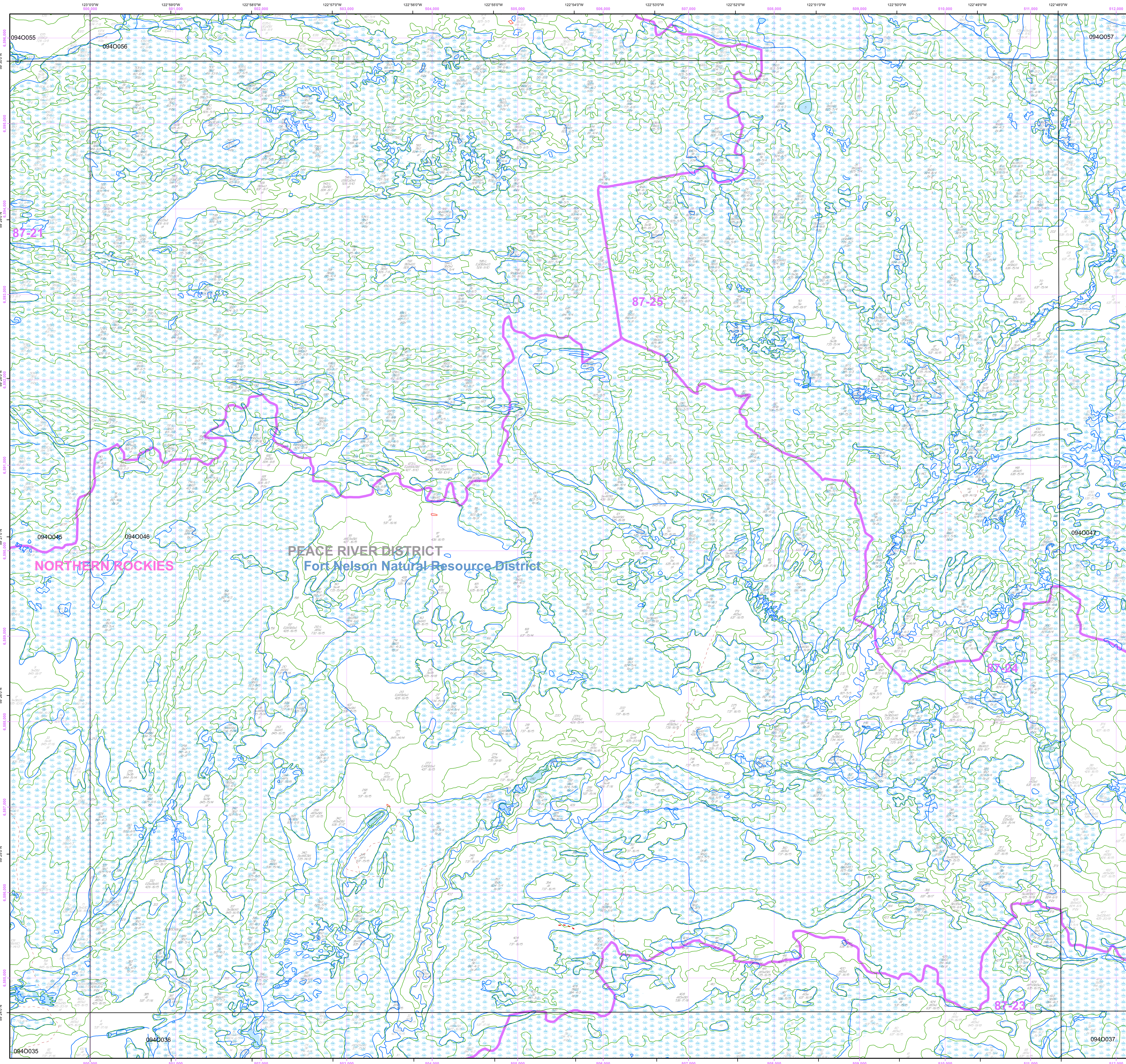
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

11 Sb 825-7/6	188 Sb(Lt) 824-6/6 by,sl	349 AtSw 636-15/14	526 SbLt 815-5/4 sl	617 Sb(Lt) 827-5/5 sl	697 SbLt 827-6/6 sl
17 Sb 825-7/6 sl	191 SbAt 826-7/6	350 AtSw 636-15/14	528 LtEpSb 521-8/8 sl	620 Sb(Lt) 827-5/5 sl	699 Sb(Lt) 826-5/4 sl
52 SwSb(Lt) 735-15/14 by,sl	195 At 527-14/14	351 Sb 810-4/3 by,sl,he	529 SbLt 826-5/5 sl	623 Sb 826-6/6 sl	701 Sb(Lt) 826-5/4 sl
64 Sb(Lt) 825-6/6 sl,by	198 Sb 712-4/4 by,sl	355 AtSw 535-16/16	535 Sb 816-4/3 sl,by	627 Sb 826-6/6 sl	704/L Sb(SwLt) 822-6/5
69 Sb 820-5/5 by,sl,he,ri	202 At 538-15/15	361 AtSb 635-16/15	536 Sb(Lt) 816-4/4 sl,by	628 Sb(Lt) 713-5/4 sl,by	706 Sb(LtAt) 824-5/5 sl,by
75 At(SwSb) 635-15/14	204 Sw 734-15/14 sl	363 At 636-16/15	542 Sb(SwLt) 826-6/6 sl	629 SbLt 825-5/5 sl,by	708 SbEp(LtAt) 416-9/8 sl
81 AtSb 635-16/15	205 SbAt(E) 827-6/6	364 Sb 827-7/6	544 SbLt 512-7/6 sl	630 Sb(LtAt) 414-7/7 sl,by	710/L Sb(Lt) 824-5/4 sl
83 Sw(Sb) 735-15/14 sl	206 Sb 824-5/4 sl,by	376 SwPl(Sb) 734-13/13 sl	549 EpSbLt(Sw) 426-12/11 sl	632/L Sb(Lt) 413-6/5 sl,by	712/L SbEp(AcLtAt) 416-9/8 sl
88 Sb(Lt) 824-5/4 by,sl	219 Sw 534-17/16 sl	378 At 537-15/15	553 Pl(SbAt) 527-13/12 sl	633/L Sb(Lt) 412-6/5 sl,by	715 Sb 825-5/4 sl
91 AtSw 535-15/15	220 At 737-16/15	379 SwE(SbAt) 435-20/19	556 SbLt 826-5/5 sl	635 Sb(Lt) 826-7/7 sl	719/L SbLt 417-10/9
99 Sw 735-15/14	227 At(Sw) 736-16/15	388 SwSb(E) 735-14/13	560 SbLt 824-5/5 sl,by	642 SbLtSwAtEp) 414-7/7 sl,by	725 SbLt 826-6/6 sl
100 Sw 635-12/11	231 LtAt(SwSb) 725-9/11	393 Pl(SbAt) 536-16/15	561/L Sb(Lt) 412-6/5 sl,by	644 Sb(SwLt) 825-7/6 sl	726/L SbEp(Lt) 414-10/9 sl
101 Sb 810-3/3 sl,by	232 SwAt(Sb) 536-19/18	399 At(SwE) 537-16/15	562/L SbLt 412-6/5 sl,by	646 At(AcPl) 438-23/22	727 SbLtEp 414-10/9 sl
103 SwSb 633-13/12 sl,by,ri	233 Sb 812-4/3 by,sl	402 At(SwE) 537-16/15	564 LtSbEp) 526-10/10 sl	647 AtAc(Sb) 437-18/17	732 Sb 826-5/4 sl
106 At 537-15/15	234 At 737-16/15	410 SwSb 635-16/15	565 Sb(Lt) 810-4/4 sl,by	650/L Sb(AtAcEpLt) 416-9/8 sl	734 Sb 826-5/4 sl
119 Sw 635-16/15	253 Sb(SwLt) 825-7/6 sl	412 AtSb 427-16/15	568/L SbLt 414-9/8 sl	652 Sb 826-5/4 sl,by	92985069/L At(Pl) 537-15/15 G/11
130 SwAt(Sb) 535-17/16	254 Lt(Sb) 627-8/8	414 SwSb 636-14/13	570 Sb(Lt) 826-5/4 sl	656 Sb(Lt) 826-5/4 sl,by	
134 At 436-17/16	278 Sw(AtSb) 535-17/16 sl	418 SwSb(At) 635-14/14	571 Sb(Lt) 826-5/5 sl	657 LtSb 714-4/5 sl	
140 At 638-14/13	279 SwAt 536-17/16	423 At 837-18/17	573 SbLt 710-4/4 sl,by	659 Sb 826-5/4 sl,by	
141 Sw(At) 734-13/13	285 Sb 810-4/3 by,sl,he	426 AtSw 635-16/15	574 SbLt 711-4/4 sl,by	661 At(PlSb) 437-20/19	
149 Sb(Lt) 813-4/3 by,sl	286 ESb 428-15/14	427 Sb 811-4/3 by,sl	576 Sb(Lt) 815-5/4 sl,by	663 PlAt 437-18/17	
150 Sb 824-5/5 by,sl	288 At 737-16/15	430 At(Sw) 637-16/15	578 SbLt 826-5/5 sl	664 At(Pl) 438-18/17	
153 Sb(LtSw) 825-7/6 by,sl	291 Sw 534-18/18 sl	432 AtPl(SbSw) 635-16/15	580 LtSb 727-6/8	674/L Sb 416-7/7 by	
155 LtSb 725-9/11 by,sl	300 Sw(At) 435-17/17	435 At 537-17/16	582 Sb(Lt) 714-4/4 sl	675 AtEp(AcPlSb) 438-18/17	
156 SwSb 435-19/18	315 Sb 820-5/4 by,sl,he	436 At(SwSb) 536-17/16	584 SbLt 710-4/4 sl,by	677 Sb 416-9/8 sl	
158 SwAt 735-15/14	316 Sb 820-5/4 by,sl,he	439 At 737-16/15	588 SbLt 826-5/5 sl	678 EpSb(AcSwAt) 427-12/11 sl	
166 AtSw(Lt) 526-13/12	324 SwSb(Lt) 435-16/16 sl	441 Sb 815-4/4 sl,by	589 LtSb 727-5/7 sl	684 Sb 416-9/8 sl	
170 At 637-16/15	325 Sw(LtE) 536-19/18	512 SbLt 825-5/5 sl	598 SbLt 416-7/7 sl	685 Sb 417-9/8	
175 At(Sw) 637-16/15	329 SwSbE 845-14/13	515 LtSb 725-7/8 sl	601 Sb(Lt) 826-5/4 sl	688 At(PlSb) 438-21/20	
176 Sb 820-6/5 by,sl	331 SbLt 827-5/4	517/L LtSb(AtEp) 526-11/10 sl	606 Sb(Lt) 826-5/4 sl	689 EpSb(AcSwAt) 427-12/11 sl	
178 At 637-17/16	333 SwSb(E) 735-13/13	518 SbLt 813-5/4 sl,he,by	611/L Sb(Lt) 412-6/5 sl,by	691 Sb(Lt) 827-6/6 sl	
180 by,ro,sl,he	334 PlAt 536-15/14	519/L SbLt 413-9/8 sl,by	612 SwSb 836-7/6 sl	692/L SbLt(Ep) 414-9/8 sl,by	
183 At 637-17/16	343 SbAt(Sw) 835-9/8 sl	524 SbLt 826-5/5 sl	615 SbLt 812-4/4 sl,by	693 Sb 828-7/6	
186 At 637-17/16	345 AtPl 426-16/15	525 LtSb 721-4/6 sl	616 Sb 515-5/5 sl,by	694 EpSbLt 427-11/10 sl	