Vegetation Map
094N038

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 *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
tc 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.

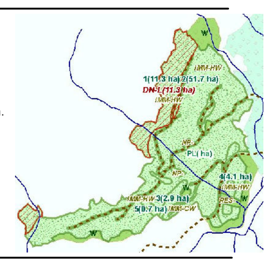
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

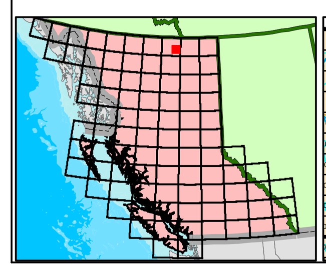
Example Opening History Details

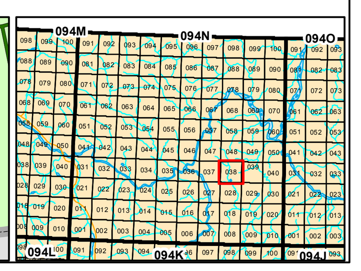
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

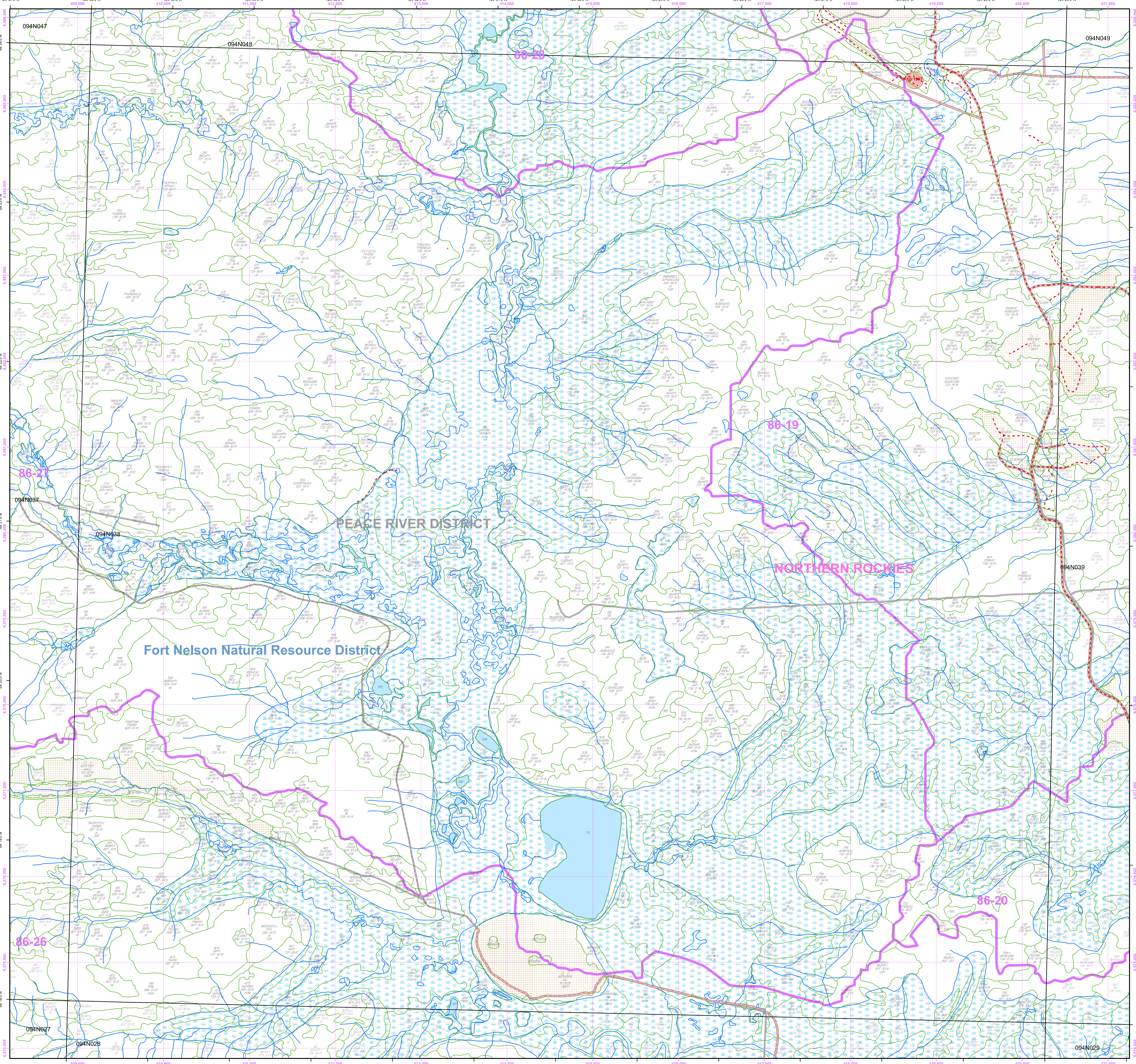
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

- OPENING
- OPENING LABELS
- OPENING - PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH









Overflow Labels

3 Sb 727-8/8 sl	98 Sw(AtSb) 836-11/10 st	262 Sb(Sw) 827-9/8 hf	530 Sw 831-11/10 st	751/L Ep 326-16/15 sl	18690601 EpSb(At) 520-13/12 st
6 Sb 726-6/6 st	100 SwSb(Ac) 836-11/10 st	263 SbLt 723-7/6 st	531 SbSw 827-10/9 st	760 Sb 826-8/7 st	18700308 Sb(Pl) 727-10/9 st
8 Sb 726-8/8 st hf	101 SbSw(At) 725-10/9 st	264 LtSb 620-6/6 he la by	533 Sw(AtSb) 737-12/11	763 Sw(Ep) 835-10/10 st	18810165 SbPl(At) 725-10/9 st
9 At 734-18/17 st he	108 AtSwSb 731-15/14 st	267/L AtSb 732-16/15 st he	539 SbAt(Pl) 738-12/11	764 SwSb 833-10/10 st	52678127/L Sb(Pl) 827-9/8 GL11
10 Sb 727-8/8 sl	115 Sw(At) 846-15/14 st	268 Sb(Lt) 836-10/9 st	548 At(EpSb) 737-17/16 st	767 Sb 715-5/5 by sl	52787545 BlSw(Sb) 836-10/8 st
11 st rl bg	116 SwAt 835-13/12 st	279 Ep(Sw) 637-15/14 st	550 SbEp 727-10/10 st	774 Sb(AtLt) 827-8/7 st	54287515 BlSb(Sw) 827-9/7 st
14 At(EpSb) 736-18/17 st he	136 SbEpPl(At) 822-8/8 st	288 SbSw 826-10/9 st	568 Sb 728-10/9	775 Sb 716-5/4 by sl	54997648 BlSb(Sw) 827-9/7 st
15 Sw(SbAt) 736-14/13 st he	146 Sb 821-8/7 st	294 Sb(Pl) 827-9/8	576 Sb 721-6/6 st bg	777 Sb(At) 827-9/8	55317801 Sw(AtBl) 832-10/10 st
18 SwSb 834-13/12 st he	149 Sw 632-11/10 st	296 PlSb 831-14/14 st	578 Sb 727-8/7	781 Sb 726-6/5 sl be	56382606 Sb(AtSw) 726-10/9 st
19 Sb 725-8/8 st he	153 Sb(Lt) 826-7/6 sl	318 SwEp(At) 631-15/14 st	579 Sb 727-9/8	783 Sb 824-8/8 st	56567614 SwSb(Bl) 836-11/10 st
30 At(Ac) 636-18/17 st	162 SbLt 826-6/6 st	329 Sb 727-7/6	582 Sb 820-7/6 st bg	786 SwEp(Sb) 732-12/12 st	56787517 Sb 827-8/7
31 AtSwEp(Sb) 634-17/17 st	165 SbLt 826-7/6 sl by	351 Sb 716-5/4 sl by	592 Sb(Pl) 628-11/10	788 Sb(Ep) 820-8/8 st bg	57097566 Sb 827-8/7
32 Sw(At) 635-14/14 st	166 Sb(Lt) 711-5/4 sl be by	372 SbEp 722-10/9 st	594 SbEp 627-10/10 st	793/L Ep 326-16/15 st	58677581 SwSb(Bl) 836-11/10 st
33 AtEp 630-15/14 st	171/L AtSb 316-10/10 sl be	380 AcSb(Ep) 737-12/14 st	595 EpPl(AtSb) 527-13/13 st	795/L AtPl 731-16/15 st	59337612 Sw 831-10/9 st
37 At 637-18/17 st	176 Sw(Sb) 633-12/12 st	381 Sb 737-11/10 st	596 PlSb(Ep) 727-12/12	799 AtSb(AcPl) 736-18/17 st	59947498 Sb(Bl) 823-8/7 st
39 AtPl(Sb) 634-17/16 st	188 At(Sw) 737-18/17 st	382 Sb 737-11/10	612 AtPl 736-15/14 st	802 SbAc 724-8/8 st	60047708 SwAt(Bl) 834-11/10 st
41 SbPl 727-10/9 sl	192 At 737-18/17 st	390 SbAc 737-11/10 sl	617 Sb(At) 827-8/8	803 Sb(Sw) 726-10/9 st	60537426 Sb 827-8/7
42 Pl(AtSb) 726-12/11 st be	206/L PlAt 722-11/10 st	409 SbEp 735-11/10 st	633 Sb 827-8/7 st	804 AcSb 630-13/14 st la	62447490 Sb 827-8/7
45 At 735-16/15 st	209 SbEp(AtPl) 726-8/8 st	415 Ep(AtSw) 420-13/13 st	647 Ep(Sb) 527-13/12 st	805 AcSb 735-13/15 st	66567314 SbSw(AtBl) 835-9/8 st hf
47 AtSbEp(Sw) 636-16/15 st	213 EpAt(Sw) 426-12/12 st	422 Pl(AtEp) 734-16/15 st	659 Sb 721-9/8 st	808 EpSb 522-10/9 st	67077322 Sw(Sb) 831-10/9 st
57 At(Sb) 631-17/16 st	214 SwAc 837-12/12	428 Sb 716-5/4 sl hf by	672 Sb(AcSw) 827-10/9 st	812 Sb 727-6/5 by	◯ 2 88186665 SwBl 841-0/12
61 Sb 727-8/7	218 Ep(PlSb) 521-13/12 st	453 Sb 816-4/4 by sl	675 Sb 726-6/5 by sl	814 Sb 727-8/8	◯ 2 88076706 SwBl 841-0/12
78 AtPl(SbEp) 632-16/15 st	233 At(Pl) 736-18/17 st	455 SbAt 827-8/8 sl	676 Sb 826-10/9 st	816 Sb(At) 837-10/9	◯ 2 88136556 SwBl 841-0/12
79 SwSb 836-13/12 st	237 SbEp(At) 724-10/9 st	456 Sb 827-7/6	681 la be py	818 Sb 715-5/5 by sl	88186279 Sb(At) 827-9/8
80 hg	241 SbEp 527-11/10 st	458 At 737-16/15 sl	703 EpAt 522-13/13 st	821 Ep 420-13/13 st hg	
81 EpAcAtSw 327-17/16 st	242 Sb 526-9/8 sl hf	480 Sb(Ep) 721-9/8 st	704 SwAt 737-14/13 st	15070208 SbPl(Ac) 735-0/13 st	
82 SwAc(Sb) 735-12/12 st he	250/L At 322-12/11 st	485 AtEp 734-15/14 st	723 sl bg la	◯ 1 16390072 Sx 110-15/15 GL03	
83 AcSw(At) 735-13/15 st	252/L Pl(Sb) 723-12/11 st	489 Pl(SbEp) 724-12/11 st	729 Sb 826-7/6 by	17060166 Sb 737-11/10 st	
84 Sb 726-8/8 st	254 Ep(PlSb) 520-13/12 st	490 AtSw(Ep) 731-16/15 st	736 sl bg ri	17631185 SwSbAc(Ep) 831-11/11 st	
85 EpAc(AtSw) 325-15/14 st he	256 AtSb(Pl) 632-17/16 st	492 At 630-16/15 st hg	739 SbLt 823-7/6 st	17770789 Sb(Pl) 827-9/8 st	
88 AcSw 631-14/15 st	257/L AtEp(Sb) 327-13/12 st	494 At(Sb) 737-17/16 st	741 Sb(EpSw) 827-9/8 st	◯ 1 17830069 Sx 110-15/15 GL03	
96 AtSw(Ac) 736-17/16 st	258 PlAtEp(Sb) 735-16/15 st he	495 Sb 626-7/6 sl by	745 SbLt 722-8/7 st he	◯ 1 18250238 Sx 110-15/15 GL03	