Vegetation Map

094O080

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:

	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 hybrid
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	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS	rm	RAILWAY SURFACE
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN	rs	RIVER SEDIMENTS
br	BEDROCK	ll	LANDING	ot	OTHER	rz	ROAD SURFACE
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	pn	SNOW COVER	ta	TALUS
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR	tz	TAILINGS
es	EXPOSED SOILS	mn	MORAINE	ri	RIVER / STREAM	ur	URBAN
gl	GLACIER						

Note: Water categories (la, oc, re, ri) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	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.

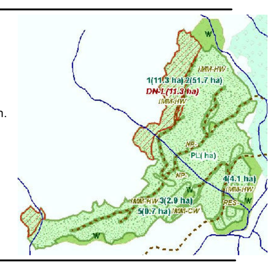
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

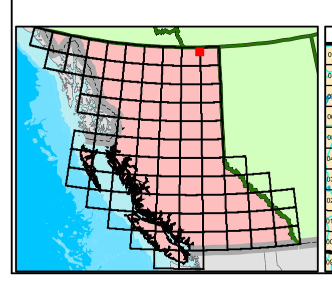
Example Opening History Details

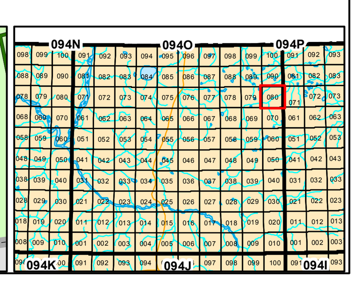
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

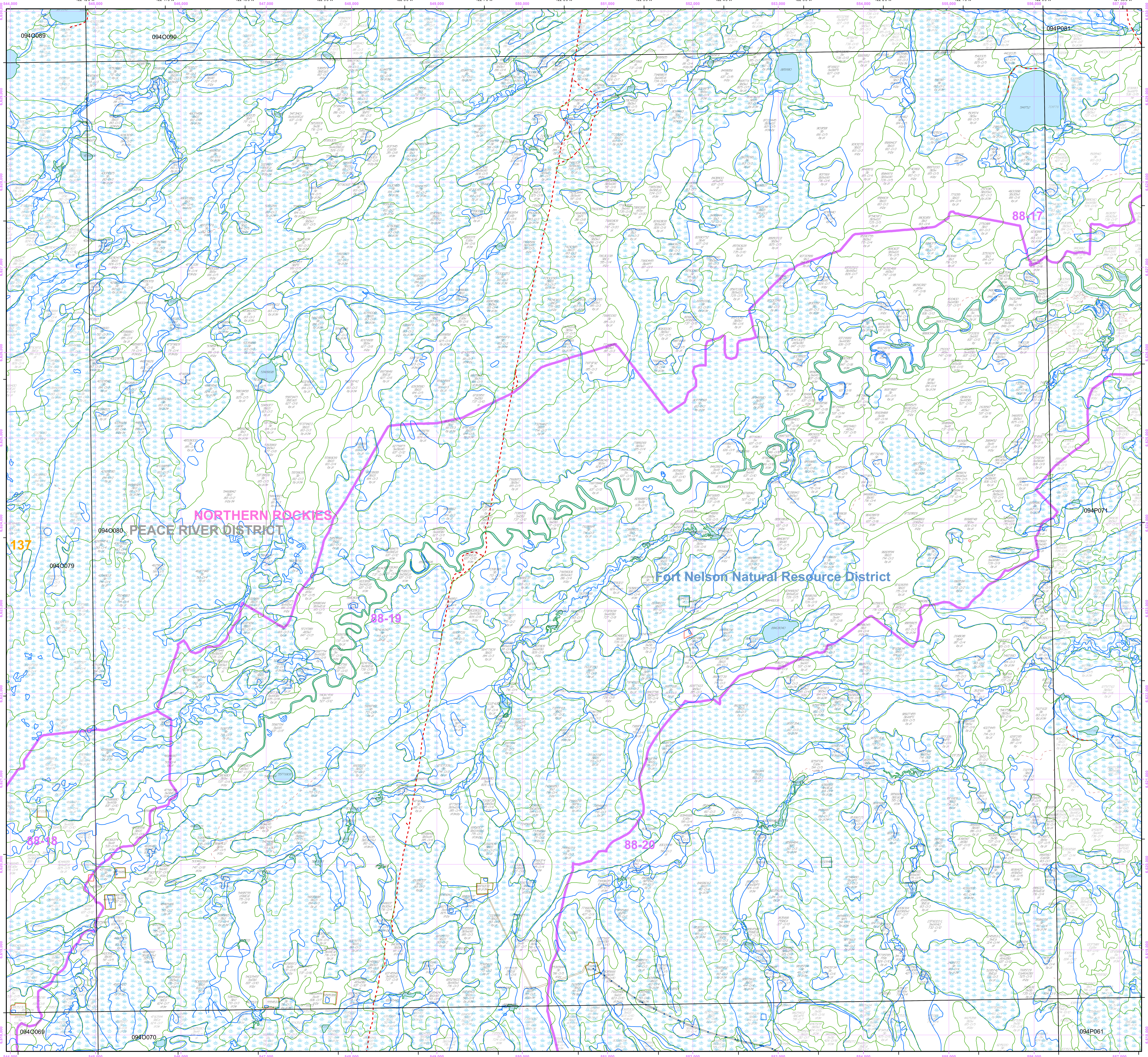
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

1449756 SwSbAt 637-0/15 by sl	43575846 Sw 634-0/15 sl by	71985383 Sb(Lt) 313-0/7 sl by he	93035505 SbEa(Pl) 516-0/7 sl
1930197 SbLt 614-0/4 by sl	43581754 Sb 713-0/3 by sl	72097697 Sb(Lt) 713-0/3 by sl	93526464 es he sl
2178717 Sb 612-0/3 by sl he	44660094 Sb 514-0/4 by sl	72456651 Sb 713-0/3 by sl	93907389 Sb 615-0/5 by sl
2217353 SbSw 827-0/6 by sl	44756189 ur	73001915 Sb 612-0/3 by sl he	95132028 Sb(Lt) 815-0/3 by sl
2316507 SbAt 716-0/2 by sl	45197128 SbLt 810-0/4 sl he by la	73068028 Sw(AtSb) 826-0/6 sl by	97528826 SwAt 637-0/12 sl he
2447323 Sb 610-0/3 sl he ri	46596590 Sb 810-0/5 sl he	73477510 Sb(PlSw) 615-0/5 by sl	97915565 Sb(Lt) 411-0/7 by sl he
3321644 SbLt 610-0/2 sl la he by	47827410 AtSw 637-0/17 sl	74381365 Sb(Sw) 716-0/4 by sl	98389831 Sw(Sb) 637-0/14 sl he
5248664 Sb 612-0/3 by sl he	48826156 Sb 513-0/3 by sl	75141187 Sb(At) 317-0/7 by sl	98880144 Sw 836-0/13 by
5788560 Sb(LtSw) 714-0/4 by sl	50097673 Sb 713-0/3 by sl	75630916 Sb(At) 317-0/10 by sl	99002051 Sb 612-0/3 sl by he
5886824 Sw 827-0/7 sl by	52051801 Sb 612-0/3 by sl he	76035915 Pl(At) 527-0/9 sl by	99606253 Sb 717-0/5 by
5942049/L Sb(Sw) 921-0/4 by sl he	54255331 Sb 510-0/3 sl ri he	76258876 SwSb 637-0/13 by sl	99622068 Sb(Lt) 815-0/3 by sl
6007737 Sw 533-0/15 sl ri he	54986914 Sb 710-0/3 sl he by	79247886 SbLt 611-0/4 sl by he la	99800113 Sw 737-0/10 by
6500717 Sb(Sw) 814-0/4 by sl	55545336 es sl he	79991935 SbAt 826-0/7 by	99976540 Sb 710-0/3 la sl
6710317 At(SwSb) 637-0/13 sl	55555300 SwSb(AtPl) 825-0/6 sl by	80876668 PlSb 526-0/9 by	
6726617 Sb 611-0/3 sl he by	57755323 Ep(Sb) 427-0/9 sl	82271795 Sb(Sw) 826-0/5 by	
6760262 Sb 612-0/2 by sl he	57780937 Sb(Sw) 815-0/5 by sl	82751926 Sb 412-0/4 by sl he la	
7026176 SbLt 512-0/4 sl by he	57851305 Sb 613-0/3 sl he by	83168832 At 732-0/15 sl he	
7030238 Sb(LtAt) 714-0/5 by sl	62381705 Pl(Sb) 526-0/9 by sl	83295521 Sb 513-0/5 sl he	
7429804 Sb 710-0/4 sl he la by	63211483 SbLt 824-0/5 by sl he	83561979 Sb(Sw) 826-0/5 by	
7579456 Sb(Lt) 813-0/4 by sl he	63631845 SbLt 714-0/3 by sl he	83881947 Sb 810-0/4 sl la	
8017854 Sw 520-0/12 sl ri he by	63881268 Sb 824-0/5 by sl	84028709 sl he la by	
8068075 At(Sw) 537-0/15 sl	65028408 Sb 510-0/4 sl he by	85019017 Sw 637-0/11 by sl	
8248313 Sb 613-0/3 by sl he	65845443 Sb(Lt) 512-0/4 by sl la he	85148127 Sb(Lt) 612-0/3 by sl	
8956956 Sb(Lt) 817-0/4 by	66656874 Sb(Sw) 826-0/5 by sl	86941127 SbLt 810-0/4 he sl by	
8986861 SbSw(At) 627-0/6 by sl	67655142 Sb(Lt) 713-0/3 sl ur by he	87248845 sl he ri by	
9336233 Sb 517-0/3 by sl	68440967 Sb 612-0/3 by sl he	87660062 At(SwSb) 737-0/12 sl by	
40890517 SbEa(Lt) 813-0/4 sl by he	68515768 Sb 811-0/2 by sl	88448208 Sb 614-0/3 by sl	
41161175 Sb 711-0/2 by sl he	69051257 Sb 512-0/3 by sl he	89106430 Sb 710-0/4 sl he la by	
41179921 Sb 616-0/5 by sl	69121898 Sb 711-0/2 by sl he	89309153 Sw 636-0/11 by sl	
42230781 Sb(SwEa) 816-0/4 sl by	71261327 SbEa 511-0/4 la sl he by	89479375 Sw 646-0/18 sl he	
43229755 Sb(Lt) 816-0/4 by sl	71505496 SbSw 615-0/3 sl by	89879237 Sb(Sw) 512-0/5 sl he by	
43266103 SbSw(Ea) 825-0/5 by sl	71510693 EaSw 314-0/6 sl he	90606856 SbLt 610-0/3 sl he by la	