# Vegetation Map

## 094I052

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
G/78

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) |
|---|---|
| 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
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.

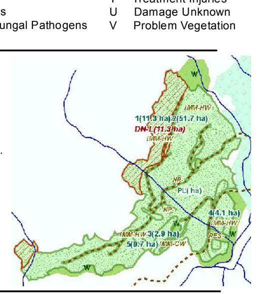
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

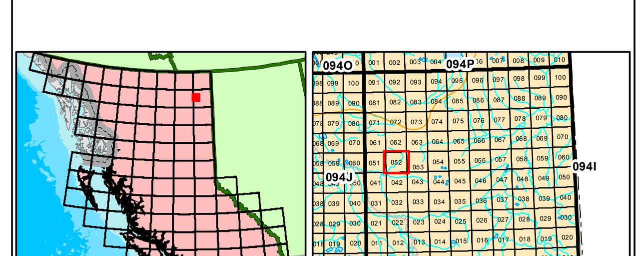
**Example Opening History Details**

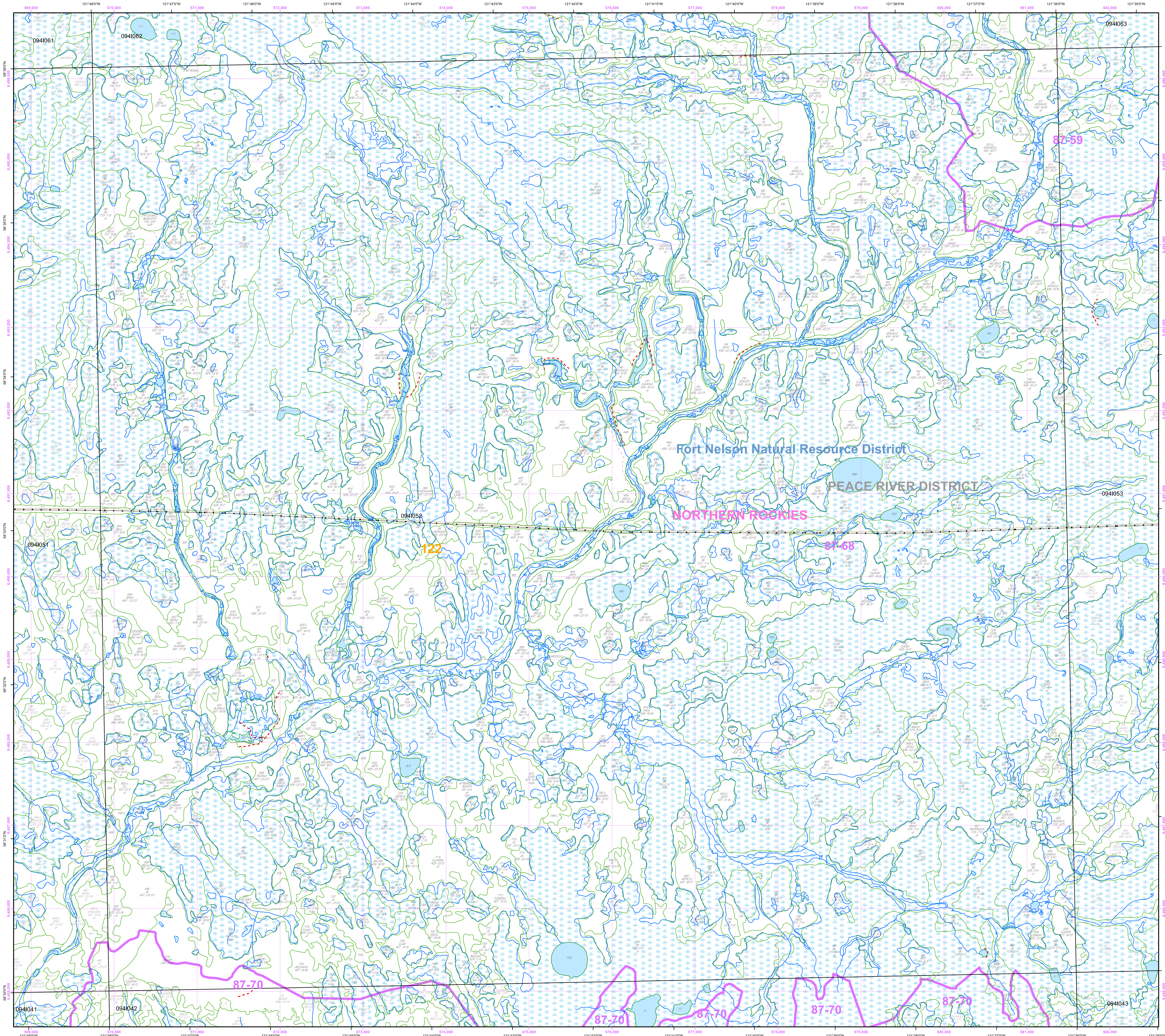
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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 At(SwEp) 438-0/20 | 121 Sb(Ep) 514-0/6 sl he | 240 At(Pl)(Sb) 437-20/19 | 372 Sb 513-6/6 sl he | 459 SwEp 324-19/18 st | 647 Sb 312-8/7 sl | 753 At 438-0/22 | 25674089/L PlSw(EpSb) 425-0/15 st G/11 |
| 2 Sb(Lt) 724-0/9 sl | 124 Sb 723-0/6 sl he | 241 AtEp 436-17/16 st | 376 SbAt 527-10/10 sl he | 460 At(Ep) 437-18/17 | 649 Sb 311-9/9 sl | 755 Sb(Ep) 514-0/7 sl | 53410001/L AtPlSbEp 436-17/16 st G/11 |
| 5 Sb 727-0/8 | 125 At(SbEp) 427-0/17 | 244 At(Pl) 438-21/20 | 378 Sb(AtEp) 527-8/7 sl | 461 SbEp 515-8/7 sl | 651 PlEp(AtSb) 437-20/19 | 757 SbEp 524-0/8 st | 65951670/L AtPl 434-23/22 G/11 |
| 13 Sb(Lt) 724-0/6 sl | 128 Sb 621-0/6 sl | 250 Sb 414-7/7 sl | 382 At(Sw) 437-21/20 | 462 At(Ep) 437-19/18 | 652/L Ep 426-13/12 st | 759 SbEp 516-0/6 st | |
| 17 PlSw(EpSb) 426-0/15 st | 129 Sb 422-12/12 sl he | 251 At(Pl) 438-22/21 | 384 At 438-21/20 | 463 Sb 514-6/6 sl | 658 Sb 412-6/5 sl he | 760 At 338-0/22 | |
| 22 Sb 725-6/5 sl | 138 Sb 415-9/8 sl | 253 At(Pl) 437-21/20 | 385 At 438-21/20 | 467 At(AcbSbEp) 437-17/16 | 668 Sb 723-6/6 sl by | 761 EpAt(Sb) 436-0/17 st | |
| 26 Sb(SwAt) 427-17/16 | 140 PlSw(Ep) 437-0/19 | 256 Sb 414-9/8 sl | 387 At 437-20/19 | 473 Ep(SbAt) 426-13/12 sl | 678 SwSb 836-11/10 | 764 EpAt(Sb) 436-0/17 st | |
| 35 At(Sb)(Pl) 437-19/18 | 143 SwAt 737-14/14 | 257 At 437-21/20 | 388 At(Ep) 437-19/18 | 480 At(EpSb) 437-17/16 | 684 Sw(Sb) 835-13/12 st | 768 At 438-20/19 | |
| 39 EpSb(At) 426-13/12 | 148 EpSb 424-0/13 st | 259 At(Pl) 437-19/18 | 393 At 438-20/19 | 481 AtSb 437-18/17 | 685 EpSb 325-13/12 st | 777 Sb 413-7/7 sl | |
| 40 Sb 414-10/9 sl | 159 Sb 313-9/8 st | 262 Sb 414-9/8 sl | 398 EpSw 421-13/12 sl he la | 484 PlAt 436-23/22 | 687 Sb 521-0/8 sl he | 778 sl he la | |
| 41 At 437-19/18 | 160 At 437-20/19 | 288 Sb 414-9/8 sl | 401 SwEpAt 437-19/18 | 486 SwEp(Sb) 436-19/18 st | 688 Sb 513-0/7 sl | 784/L Sw(At) 741-16/15 | |
| 42 Sb 414-9/8 sl | 163 EpPl(At) 428-14/13 st | 297 EpSw(Sb) 427-13/12 | 403 SwEpAt 435-19/18 st | 487 At 437-21/20 | 689 At 439-20/19 | 795 Sb(EpSwPl) 726-9/8 st | |
| 51 AtSb 436-18/17 | 165 At(Pl) 438-18/17 | 306 Sw(Sb) 735-14/13 sl he | 405 AtAcbSwEp 436-20/19 | 490 At 438-21/20 | 690/L Sw 731-0/12 st | 802 PlSw 436-18/17 | |
| 54 SbAt 424-11/10 sl | 176 Sb(Lt) 611-6/5 sl he | 307 Ep(Sb) 428-13/12 | 408 SwEp 437-20/19 | 525 Sb(Lt) 723-0/7 sl he | 691 st ri he | 819 SwSbAt 737-14/13 | |
| 56 SwEp 430-21/20 st | 183 AtSw 436-19/18 | 309 At 438-19/18 | 410 Sb 516-7/6 | 532 Sb(Lt) 611-0/5 st | 692 Ep 327-0/16 st | 823 EpSb 426-12/11 st | |
| 60 At 438-20/19 | 186 PlAt 437-20/19 | 314 Sb(Lt) 724-8/8 sl | 412 SbAt(Ep) 626-9/8 | 534 Sb 412-7/7 sl | 695 AcbAt(Ep) 437-18/18 | 827 Sb 714-0/5 sl | |
| 64 EpSb(At) 425-10/9 st | 196 Sb 425-11/10 sl | 323 Sb(Pl) 726-8/8 | 416 At 437-21/20 | 544 EpAt(Sb) 427-13/12 | 698 EpSw(AtSb) 425-0/17 st | 828 Sw(Sb) 836-13/13 | |
| 66 Sb 410-10/9 st | 198 Sw(At) 336-27/27 sl | 325 Sb 737-0/10 | 418 PlAt(Sw) 436-21/20 st | 552 Sb 613-6/5 sl | 700 AtEp 337-0/21 st | 829 Sw(Sb) 836-13/13 | |
| 67 Sb 413-6/5 sl | 200 PlSw(Ep) 438-24/23 | 327 Sb(Pl) 727-8/8 | 421 Sw 437-21/20 | 568 EpSb(At) 426-13/12 sl | 701 EpAt(Sb) 436-0/17 st | 832 Sw(Sb) 836-13/13 | |
| 68 At 437-19/18 | 202 SwEp 337-27/27 | 329 PlSb 637-14/13 | 422 At(Ep) 437-19/18 | 579/L EpSw 426-13/12 sl | 702 EpSb(At) 435-0/17 st | 833 he sl | |
| 71 EpSw(At) 427-13/12 st | 204 At(Ep) 437-20/19 | 332 Sb 410-7/7 sl | 425 At(Ep) 436-19/18 | 592 AtPl(SbEp) 436-17/16 st | 709 PlAt 438-24/22 | 843 he sl | |
| 72 SwEp 337-26/25 st | 205 At(Ep) 437-20/19 | 337 SwSbAt 737-14/14 | 427 EpSb(At) 427-11/10 | 599 AtEp 435-17/16 st | 711 At(Acb) 437-20/19 | 844 Sb 725-0/8 sl he | |
| 73 At(Acb) 437-19/18 | 207 At(Pl) 438-22/21 | 339 SwSb 736-12/12 | 431 At 437-20/19 | 605 Pl(At) 437-23/22 | 714 AtPlSw(Ep) 436-19/18 | 845 Sb(Lt) 724-0/6 sl he | |
| 74 At(Ep) 436-18/17 st | 211 At(Pl) 438-21/20 | 340 At(SbEp) 437-19/18 st | 432 AtEp 436-18/17 | 609 PlEp(Sb) 426-16/15 sl | 717 PlAt(Sw) 436-18/17 | 846 Sb(Lt)Sw 523-0/8 sl he | |
| 76 Sw(Ep) 337-27/27 | 213 EpSbAt 423-14/13 | 342 At(Sw) 437-19/18 | 434 Ep 428-12/11 | 610 PlAt 437-23/22 | 718 PlAt(Sw) 436-18/17 | 847/L AtSw(Acb) 322-0/18 st | |
| 91 At 438-20/19 | 220 At(Pl) 438-22/21 | 344 EpSw(At) 427-14/13 | 439 SbEp 413-7/7 st | 614 Pl 438-23/22 | 720 At(PlSw) 436-19/18 | 848 Sb(Lt) 724-0/6 sl | |
| 92 Sw(At) 338-28/28 | 222 AtPl(Sw) 436-22/21 | 345/L SwEp 437-21/20 | 441 Sb(Ep) 413-7/7 sl | 615 Pl(At) 437-21/20 | 721 At(Pl) 437-19/18 | 849 EpSb 424-0/14 st | |
| 101 SwSb 338-27/27 | 225 he sl la | 347/L SwAt 732-14/13 | 445 At(SwSb) 436-19/18 | 618 AtEp(Pl) 437-19/18 | 722 EpSb(Pl) 423-12/11 st | 850 SbEp(At) 525-0/9 sl he | |
| 111 SbEp(Sw) 514-6/6 sl he | 226 Pl(Sw) 437-24/23 | 350 Sb(SwAt) 726-8/8 | 447 At(EpSb) 437-17/16 | 621 AtSb 436-17/16 sl | 730 At 438-20/19 | 851 At(EpSb 427-0/17 st | |
| 113 At(Sw) 438-21/20 | 229 Sb 426-11/10 sl | 355 At 437-18/17 | 448 AtEp 437-17/16 | 624 At 437-20/19 | 733 At(Pl) 437-20/19 | 853 Sb(Lt) 622-0/6 sl he | |
| 115 At(Sw)(Sb) 430-18/17 st | 230 EpSw(AtSb) 427-13/12 | 356 Sb 727-8/8 | 452 At(Sw) 437-18/17 | 630 Sw 734-14/13 st | 736 Sb 512-7/6 sl | 854/L he la sl | |
| 116 At 438-21/20 | 234 AtSb 434-17/16 sl | 357 EpSw(Sb) 427-14/13 | 453 At(SwEp) 436-18/17 | 632 Sw(At) 438-20/19 st | 748 Sb 423-11/10 sl | 855 Ep(At) 427-13/12 | |
| 117/L Sw(Sb) 335-26/25 st | 235 At(SbEp) 436-18/17 sl | 359 EpSb 428-14/13 | 455 EpSb(At) 427-10/9 sl | 636 SwEpAt(Sb) 432-21/20 st | 749 EpAt 427-13/12 | 862 SbEp(Acb) 510-7/6 sl he | |
| 119 Sw 336-26/25 st | 239 Sb(Pl) 414-9/8 sl | 365 SwAt 746-16/15 | 457 AtEp 437-17/16 | 641 SbAt(Pl) 416-9/8 | 751 Sb 525-0/8 sl he | 24853932/L Sb(Pl) 724-8/7 sl G/11 | |