# Vegetation Map

## 094H009

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
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/Non-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

12
123/L
Fd(Hw)
211-20
he sl
GL78

**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) | 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, 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**

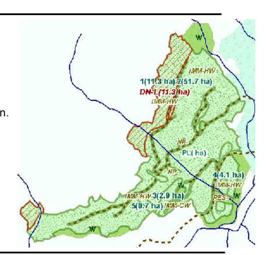
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

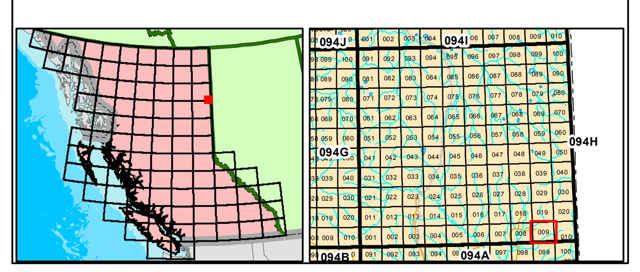
A Animal Damage, B Wildfire, C Cone and Seed Insects, D Diseases, I Insects, L Logging, M Mite Damage, N Non-Biological Injuries, P Cone and Seedling Fungal Pathogens, R Site Rehabilitation, T Treatment Injuries, U Damage Unknown, V Problem Vegetation

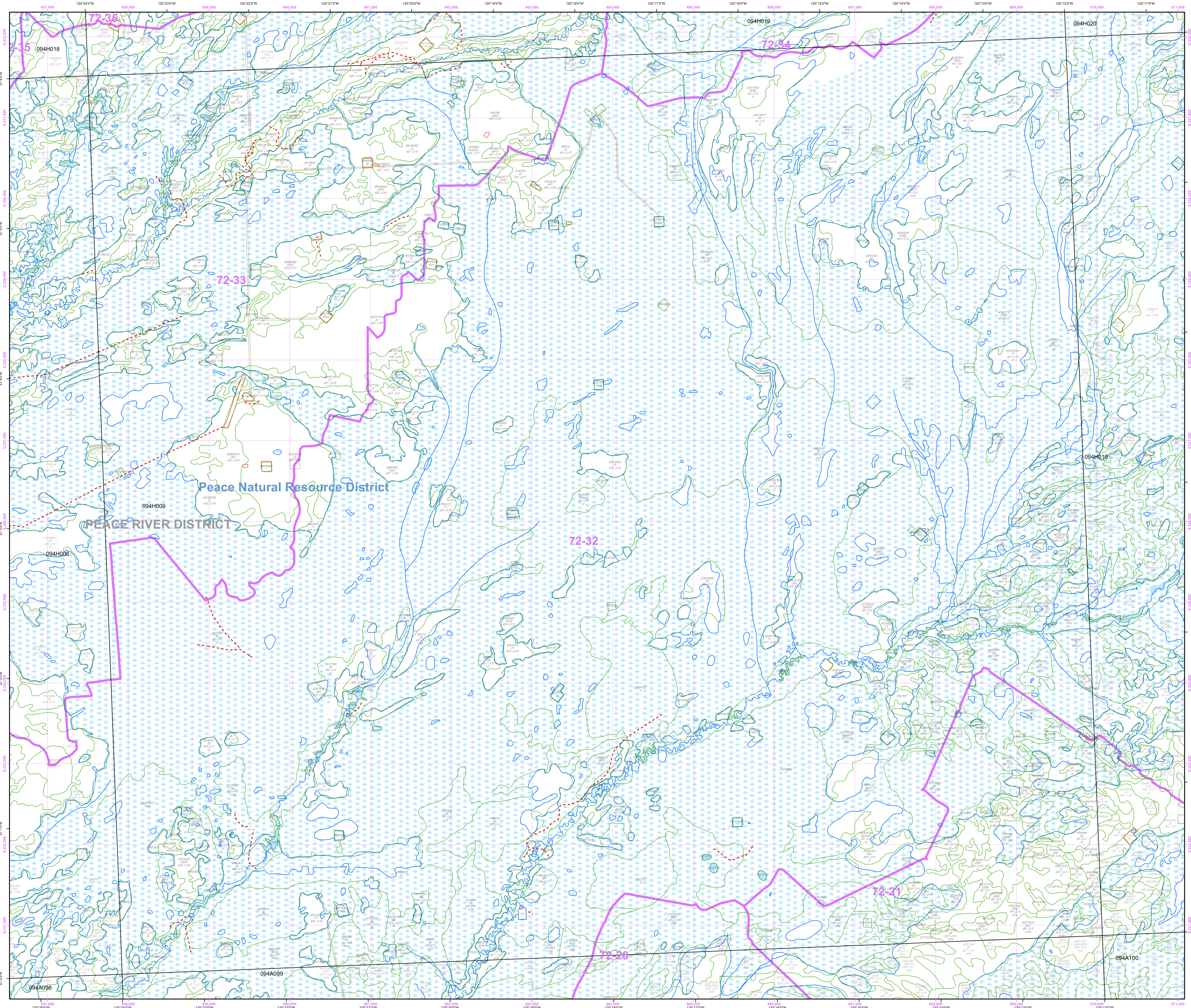
**Example Opening History Details**

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

| | | | | | |
|---|---|---|---|---|---|
| 3880?0 Sb 410-O/5 sl | 24324845 Pl 423-O/16 sl | 42094262 Lt 414-O/6 sl | 47773448 Sb 816-O/4 | 79039127 Pl(At) 424-O/13 sl | 86827698 Sb(Pl) 415-O/7 he |
| 608385 At 321-O/18 st ur | 24794752 Pl 426-O/15 | 42343483 he es | 47836058 Pl(Sx) 424-O/13 sl | 79583363 Pl(At) 425-O/17 sl | 86969406 sl |
| 689547 Pl 427-O/11 | 26739748 Sb(Pl) 411-O/5 sl | 43154300 SbLt 412-O/5 sl | 48293736 SbLt 816-O/4 | 80237532 Sb(Pl) 412-O/7 sl | 87523814 At 426-O/16 |
| 833356 At 425-O/15 | 28288889 Pl(Lt) 422-O/13 sl | 43246434 Lt(Sb) 426-O/11 | 48604848 Sb 816-O/4 | 80452958 At 436-O/17 sl | 87849077 Pl 426-O/14 |
| 1257692 Pl 426-O/16 | 31078397 Pl 410-O/9 sl | 43504265 Lt(Sb) 415-O/9 sl | 48774312 Sb(At) 414-O/6 sl | 81597410 At(Pl) 426-O/13 | 87988004 Sb 415-O/7 sl |
| 1543025 Sb 415-O/6 sl he | 31786081 Pl(Sb) 210-14/14 he ur | 43994764 Lt(Sb) 410-O/8 sl | 48804972 Sb 812-O/3 sl | 81853807 At 421-O/15 sl | 88167986 Pl 426-O/14 |
| 1758357 At 210-15/15 sl he ur | 33493423 he es | 44025802 Sb 411-O/5 sl | 48933554 sl | 82248995 Pl 425-O/15 | 88456569 he sl ur |
| 2516359 Pl 422-O/12 sl | 33984717 Sb 410-O/5 sl | 44276581 Pl 426-O/15 | 49023673 Sb 813-O/3 sl | 82317404 Pl 426-O/14 | 88593317 Pl(At) 426-O/16 |
| 4018674 SbAt(EpPl) 410-O/7 sl | 34553547 Lt(Sb) 414-O/9 sl | 44814608 LtSb 421-O/10 sl | 49044916 Sb 410-O/7 sl | 82418516 he sl | 88848950 At 426-O/12 |
| 4368806 Pl(At) 424-O/17 | 34555179 Sb 411-O/7 sl | 44816875 Lt 422-O/10 sl | 49055176 Sb 410-O/6 sl | 82423944 Sb 413-O/5 sl | 88869368 es |
| 5553232 PlSb(At) 425-O/17 sl he | 34763379 Lt(Sb) 412-O/9 sl | 44946235 Pl(At) 426-O/15 | 49164829 Sx(Sb) 823-O/5 sl | 82543750 At(Pl) 425-O/15 | 89028921 Pl(At) 426-O/12 |
| 6638952 At(Pl) 421-O/14 sl | 35405117 SbSx(AtPl) 413-O/8 sl | 44973910 SbLt 814-O/4 | 49233413 SxSbAt(Ea) 834-O/8 sl he | 82557807 Sb(Pl) 413-O/7 sl | 89339129 At(Pl) 426-O/14 |
| 6838994 At 421-O/11 sl | 35714831 At(Sx) 423-O/14 sl | 45324005 Sb(Lt) 812-O/3 sl | 49254375 At 836-O/14 | 82569164 Pl(At) 425-O/15 sl | 89627956 At(Pl) 426-O/14 |
| 7138694 he la | 35895479 Pl 424-O/16 | 45416568 Pl 426-O/15 | 49464290/L Sb 411-O/5 sl | 82878942 Pl(At) 426-O/16 | 89739134 Pl 424-O/17 |
| 8353761 Pl 425-O/16 | 36075533 la he | 45464401 Lt 414-O/7 sl | 50063972 Sb 814-O/2 sl | 82883084 Pl 430-O/18 la sl | 90758122 Pl(At) 426-O/16 |
| 9013688 Pl 424-O/15 sl | 36564864 Sb 413-O/7 sl | 45734681 At(Pl(Sb)) 425-O/14 | 50363506 Sb(Lt) 825-O/5 sl he | 82953939 Pl(At) 425-O/17 | 92089390 Pl 426-O/12 |
| 9605337 Pl(Sb) 423-O/13 sl | 36963438 Lt(Sb) 410-O/8 sl | 45874282 Lt(Sb) 411-O/9 sl | 74399340 At(Pl) 323-12/12 GN49 | 83096763 At(Sb) 320-O/19 sl ur | 93173010 Pl(At) 427-O/17 sl he |
| 10088899 Pl(Sb) 415-O/9 | 37345250 Sb 410-O/5 sl he | 46026595 Sb 410-O/5 sl | 7453939 Pl 425-O/15 | 83173490 Pl 426-O/17 | 93336700 Pl 424-O/14 sl |
| 11329227 he es | 37524679 Sx(At) 423-O/17 he | 46184010 Sb 816-O/4 | 7479161 Sb 411-O/5 sl he | 83549067 Pl 425-O/12 sl | 93338030 Pl(Sb) 420-O/15 sl |
| 12876564 he ur | 37723320 SbSx 835-O/7 sl he | 46184080 Lt(Sb) 821-O/6 sl | 75039006 he sl la | 83597755 Sb(Pl) 412-O/7 sl | 93379371 Pl 426-O/15 |
| 12944306 Pl 425-O/14 | 37905463 Sb 410-O/7 sl | 46214847 es | 75469103/L Pl(At) 421-O/14 sl | 83708525 Pl 422-O/17 sl | 93439278 Pl 423-O/12 sl |
| 13106002 Pl 413-O/9 sl | 38115048 Sb(Sx) 411-O/7 sl | 46284416 Lt 412-O/7 sl | 75819203 he | 83777313 Sb(Pl) 415-O/6 | 94149192 Pl(At) 426-O/15 |
| 13474106 Pl 423-O/15 sl | 38214760 Sb(SxAt(Lt)) 410-O/6 sl | 46306682 Sb 410-O/5 sl | 76237307 At 426-O/15 | 84158517 Pl(At) 425-O/14 sl | 94779183 Pl 412-O/9 sl |
| 13965653 he | 38395547 SxSb 420-O/16 sl | 46376157 Sb 411-O/7 sl | 76459158 Pl(Sb) 211-5/5 sl | 84503622 Pl 426-O/13 | 94869440 Pl(At) 430-O/18 sl |
| 15274549 Pl 426-O/14 | 38883395 Sb 822-O/4 sl | 46388280 Sb(Pl) 411-O/6 sl | 76926187/L Sb 814-O/4 sl | 84588683 Pl 432-O/19 sl | 94893859 he sl ur |
| 16847868 he | 39237499 es he | 46554122 Sb 812-O/3 sl | 77298202 Pl 426-O/17 | 85123789 Pl 425-O/12 | 95469378 Pl(At) 427-O/14 |
| 17754262 SxSb 422-O/13 sl | 39393703 Sx(Lt)Sb 423-O/13 sl | 46644915 Sb 411-O/6 sl | 77439053 Pl 421-O/16 sl | 85297510 Pl 426-O/14 | 95699423 Pl(At) 425-O/15 |
| 18259713 Sb 412-O/5 sl | 39703962 Lt 412-O/9 sl | 46877863 Sb(Pl) 411-O/6 sl | 77856484 he | 85303427 Pl 423-O/16 he | 96689391 Pl 417-O/9 |
| 19434996 Pl 426-O/16 | 39854976 Sb 410-O/9 sl | 47077424 Lt(Sb) 412-O/9 sl | 78157394 At 421-O/10 sl | 85617137 Pl 426-O/15 | 96838562 Pl 412-O/9 sl |
| 19803183 Lt 814-O/4 sl he | 39865314 At 426-O/15 | 47144421 Lt(Sb) 410-O/7 sl | 78178579 At(Pl) 426-O/14 | 85687479 Sw(Pl(Sb)) 431-O/19 sl | 98476939 Pl(Sb) 424-O/12 sl |
| 20829028 he ur | 40275427 At 436-O/17 | 47193742/L Lt(Sb) 822-O/6 sl | 78248926 Pl(At) 435-O/18 | 85766976 sl he | 98863052 SbAt(Pl) 415-O/9 sl he |
| 21043185 Lt(Sb) 825-O/8 sl he | 40854916 Pl 426-O/13 | 47293616/L Lt(Sb) 411-O/6 sl | 78467235 Pl 426-O/16 | 86077121 Sb(Pl) 414-O/7 sl | 98917165 Pl 426-O/16 |
| 22444903 Pl 426-O/15 | 41085645 Sb 412-O/6 sl | 47475925 Pl(Sx) 425-O/15 | 78588550 Pl 426-O/15 | 86217730 Pl 426-O/15 | 99214896 Sb(Pl) 416-O/7 sl |
| 23784117 he ur | 41704317 Lt(Sb) 411-O/6 sl | 47654777 Sb 813-O/3 sl | 78658173 sl | 86769440 Pl(At) 425-O/14 sl | 99226186 Pl(Sb) 420-O/10 sl |