Vegetation Map

094G069

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)
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.

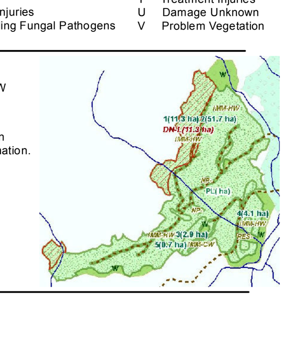
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

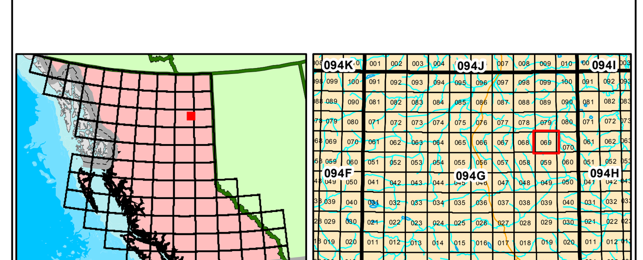
Example Opening History Details

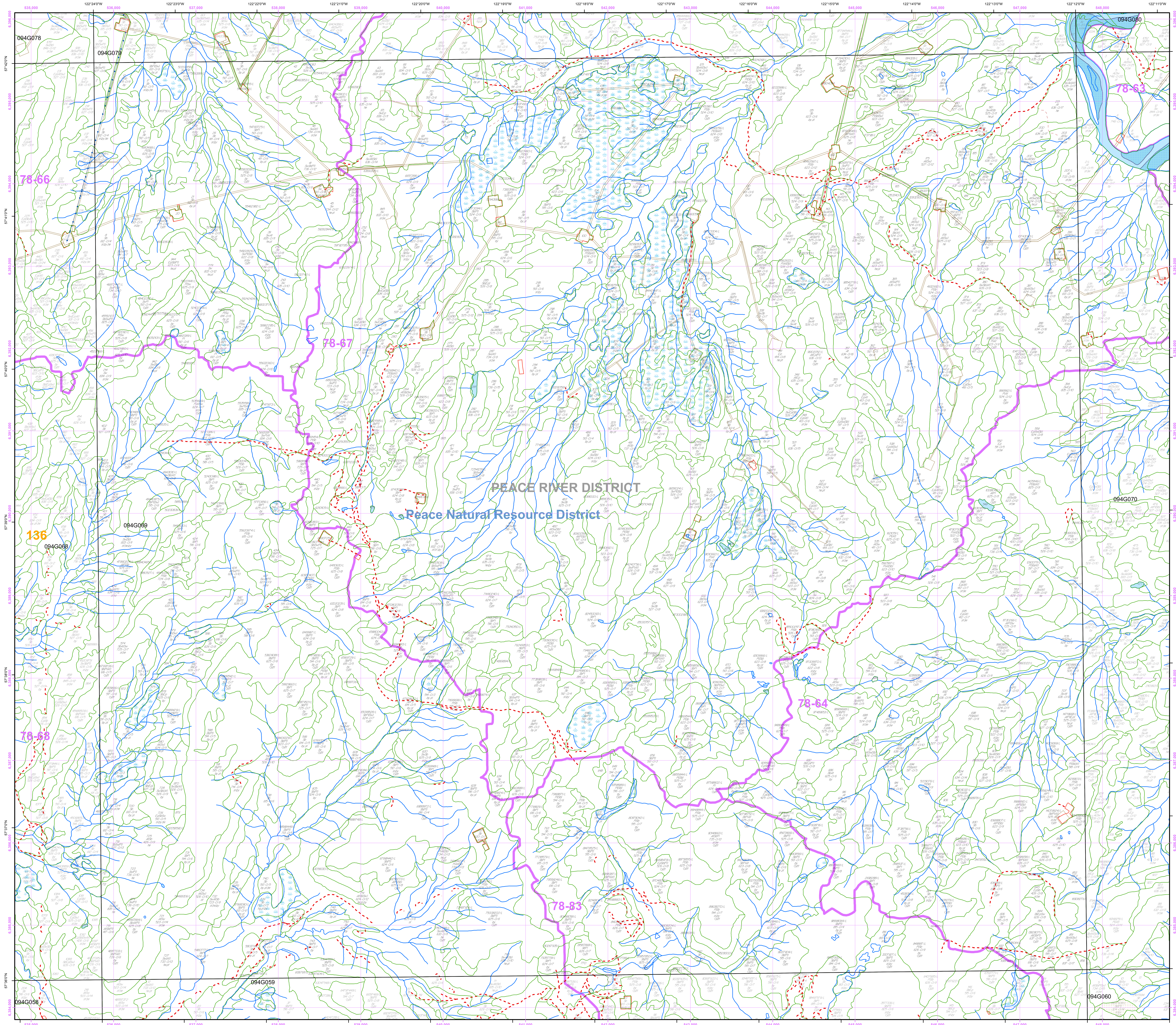
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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 Sb 612-0/4 sl by he	189 At(Sw) 627-0/11	584 Sb 413-0/5 by sl	12338064/L SbPl 513-0/7 GL11	59232742/L Pl(Sw) 516-0/6 GL11	73733344/L PlSb 515-0/6 GL11	87300298/L PlSb 523-0/7 sl by GL11
2 SwEp 836-0/10	192 AtSb 514-0/6 st he	586 Sb 626-0/7	12729992/L PlSbAt 523-0/7 he sl GL11	59282844/L Sw(Pl) 733-0/10 he sl GL11	74868894/L PlSb 522-0/8 GL11	87593275/L PlSb(At) 624-0/11 by GL11
3 Sb(Ep) 616-0/6	194 SbAt 514-0/7 by	648 Pl(Sb) 514-0/5 by	13528553/L SbPl 516-0/6 by GL11	5961194/L SbPl 612-0/6 by GL11	75321552/L SbPl 515-0/6 by GL11	88037735/L SbPl 515-0/6 by GL11
7 Sb(Sw) 615-0/5 by	204 AtSw 520-0/12 he sl	712 Sb 511-0/5 sl by	15641020 Ep 413-0/6 st he	59792785/L Pl 626-0/8 GL11	75340150/L SbPl 615-0/6 by GL11	88507752/L SbPl 518-0/6 GL11
9 Sb 510-0/3 sl hg	208 he sl	713 Ep(Sb) 527-0/13	16908276/L SbAt(Pl) 524-0/8 GL11	60544071/L SbPl 526-0/11 GL11	76764068/L SwSb(Pl) 521-0/11 he sl GL11	88918018/L SbPl 516-0/6 GL11
11 Sb 824-0/6 he by	210 SbSw 516-0/7 by	724 AtSw 523-0/14 st he	45031966/L SbPl 626-0/6 by GL11	61367611/L SbPlAt 624-0/9 by GL11	77363458/L PlSb 514-0/6 GL11	89528002/L SbPl 614-0/5 by GL11
20 Sb 510-0/6 es hg	244 SbPl 612-0/4 by sl	770 SbSw(Pl) 627-0/8	46828723/L SbPl 514-0/6 by sl GL11	61422291/L PlAt 622-0/10 GL11	78649848/L PlSb 620-0/7 es hg GL11	91324268/L SbPl(Sw) 523-0/11 by GL11
40 Sw 835-0/9 sl by	253 SbSw(Ep) 624-0/8 he	799 SwSb 620-0/11 sl he	48840465/L PlSb 515-0/6 GL11	61930725/L At(Pl) 631-0/14 he sl GL11	79074117/L SbPl 515-0/7 by GL11	91451612/L SbPl 522-0/9 sl he GL11
42 Sw(Ep) 843-0/13 he sl	260 Sb 511-0/5 sl by he	838 SbEp 511-0/7 sl by	49052101/L Pl(Sb) 624-0/7 by GL11	61963354/L Pl 620-0/12 es hg GL11	79522242/L PlSb 623-0/8 he sl by GL11	92033199/L PlSb 624-0/9 GL11
43 Sw 735-0/10 sl he	261 PlSb 527-0/11	848 SbPl 515-0/5 by	49113750/L PlSbSw 514-0/7 by GL11	62101105/L SbPl 725-0/7 by GL11	80181000/L SbPlAt 626-0/8 GL11	95282900/L PlSb 512-0/7 by GL11
73 Sb(At) 526-0/11	280 At(Sw) 425-0/8 sl he	856 SbAt 627-0/9	49252253/L Pl 515-0/6 GL11	62431333/L SbPl 525-0/8 by GL11	80237694/L SbPl 523-0/9 sl by GL11	96804094 Sb 510-0/6 sl by he
75 Sb 410-0/4 sl by he	283 Sb 516-0/7 by	865 Sw 835-0/10 he	49511344/L PlSb 513-0/6 by GL11	62493902 Sw(Sb) 624-0/10 he sl	80267935/L SbPl 625-0/6 by GL11	97489653/L SbPl 513-0/7 by GL11
79 Sb 520-0/8 sl by he	284 SwSbAt 523-0/12 he sl	869 AtSwSb 623-0/12 st he	49602808/L SwPl 624-0/9 by GL11	62622674/L PlSw 622-0/9 sl he GL11	81483880/L SbPl 523-0/11 by GL11	
82 Sb 510-0/4 sl es he	292 Sb 512-0/5 by sl	876 EpSbSw 513-0/5 sl by he	50192445/L PlSw 515-0/6 GL11	62893000/L PlSw 512-0/6 GL11	81674179/L SbPl 515-0/7 GL11	
88 PlSb 516-0/5	293 AtSb 627-0/12	906 At 636-0/13 he sl	50230839/L Pl(Sb) 517-0/7 GL11	63056330/L At(SbPl) 626-0/10 GL11	81781780/L SbPl 511-0/7 by sl GL11	
98 SbPl 517-0/6	303 Sb 510-0/4 sl by he	926 At(Pl) 414-0/7 he sl	51180527/L SbPl 515-0/6 by sl GL11	63081166/L Sw(Pl) 733-0/10 he GL11	83082261 Sb 511-0/5 by sl	
100 Sb 510-0/4 sl he by es	304 Sb 510-0/4 by sl	946 SbSw(Pl) 515-0/7 sl by	51481535/L Sw(Pl) 834-0/11 he GL11	63142688/L PlSw 623-0/11 sl he GL11	83474051/L SbPl 523-0/11 he sl by GL11	
108 Sb 510-0/3 sl by he	318 SbPl 511-0/3 sl by he	173798/L SbPl(At) 622-0/8 he sl GL11	51481897/L Pl 613-0/5 by GL11	63247604/L SbPl 525-0/8 by GL11	83668293/L SbPl 514-0/6 sl by GL11	
122 SbPl 612-0/4 by sl he	332 Sb 614-0/6 by	1083551/L PlSb 625-0/12 GL11	51563891/L Pl 624-0/9 by GL11	63251355/L SwSb(Pl) 734-0/11 GL11	83977789/L SbPl 625-0/6 by sl GL11	
123 PlSb 511-0/5 sl by	364 Sw 520-0/12 st he	1233467/L Pl 620-0/8 sl he GL11	5850998/L PlSb 514-0/6 GL11	63371232/L SbPl 514-0/6 GL11	84543834/L SbPl 524-0/8 by GL11	
128 Sw(Pl) 826-0/8 he	398 Sb 511-0/3 by sl	1353340/L SbPl 624-0/7 by GL11	52058590/L SbPl 515-0/6 GL11	63693335/L SwSb(Pl) 735-0/10 GL11	84571048/L Pl 525-0/8 GL11	
140 At(Sb) 620-0/11 sl he	399 Sb(Sw) 615-0/4	1743826/L Sw(Pl) 624-0/8 he sl GL11	52563287/L SbPl 624-0/6 by GL11	64199706/L Pl 623-0/9 GL11	84588183/L PlSbAt 626-0/8 GL11	
141 Sb 510-0/7 he sl	400 Sb 516-0/6	1914328/L SbPl 625-0/8 by GL11	54468306/L AtSb(SwPl) 525-0/10 GL11	64988748/L SbPl 515-0/6 GL11	84823647/L SbPl 513-0/6 by sl GL11	
142 At 537-0/16	410 Sb 413-0/5 sl by he	3263368/L Pl 620-0/10 sl he GL11	54813980/L SbPl 510-0/6 sl he es GL11	65878808/L SbPl 516-0/6 GL11	85030157/L SbPl 512-0/7 sl he GL11	
144 Sb 520-0/8 es he	423 Sb 515-0/4 sl by	3283293/L At(SwPl) 526-0/13 GL11	54873955/L SbPl 513-0/6 sl by GL11	67771555/L Sb(PlSw) 516-0/7 GL11	85233640/L Pl 526-0/12 GL11	
148 Sb 626-0/8 by	492 Sb 513-0/4 by	3513379/L At(SwPl) 526-0/13 GL11	55242434/L PlSb 624-0/7 he sl GL11	67849407/L PlSb 512-0/6 by GL11	85334155/L SbPl 523-0/8 sl by GL11	
153 Sb(Pl) 624-0/6 by	506 Sb 513-0/5 by sl	6648115/L PlSb 626-0/8 GL11	55462982/L PlSb 524-0/10 by GL11	68561038/L Pl 620-0/7 he es GL11	85389520/L Pl 622-0/7 by sl GL11	
162 Sb 512-0/6 by sl	509 Pl(Sb) 518-0/4	8468978/L SbPl 625-0/6 GL11	55492359/L PlSw 623-0/7 he sl GL11	69403007/L SbPl 511-0/8 by GL11	85559994/L At(SbPl) 525-0/10 sl by GL11	
165 At(SwPl) 527-0/12	513 Sb(Sw) 513-0/6 by sl	8478552/L PlSb 525-0/7 GL11	56832371/L SwPl 623-0/9 by GL11	70210197/L PlSb 516-0/6 GL11	85973246/L SbPl 511-0/7 by sl GL11	
183 SbSw(Pl) 525-0/8 by	565 Ep(Sb) 514-0/6 sl	8939266/L SbAt(Pl) 513-0/7 by GL11	57471673/L Pl 625-0/9 GL11	70382837/L SbPl 523-0/8 by GL11	86243396/L SbPl 525-0/11 by GL11	
184 Sb 511-0/4 by sl	573 Sb 516-0/4 by	11387891/L SbPl 516-0/6 GL11	57507569/L SbPl 623-0/8 by sl GL11	72487926/L At(Pl) 626-0/11 GL11	86882755/L SbPl 513-0/7 sl he GL11	
185 At 637-0/14	575 Sb 512-0/3 by sl	11919489/L SbPl(At) 522-0/10 sl by GL11	58463953/L AtSw(Pl) 526-0/8 GL11	72943186/L Pl 520-0/12 es GL11	86993059/L Pl 520-0/8 es GL11	
186 Sb 511-0/3 by sl	583 Sb 413-0/4 by sl	11960022/L PlSb 626-0/9 GL11	58547597/L Sb(Pl) 626-0/7 by GL11	73439574/L SbPl 514-0/6 GL11	87169882/L SbPl(At) 513-0/7 sl GL11	