Vegetation Map

093I076

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 Silvilculture 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)
1	1-20	1	0.1 - 10.4	0	0 - 5
2	21-40	2	10.5 - 19.4	1	6 - 15
3	41-60	3	19.5 - 28.4	2	16 - 25
4	61-80	4	28.5 - 37.4	3	26 - 35
5	81-100	5	37.5 - 46.4	4	36 - 45
6	101-120	6	46.5 - 55.4	5	46 - 55
7	121-140	7	55.5 - 64.4	6	56 - 65
8	141-250	8	65.5 +	7	66 - 75
9	251 +			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.

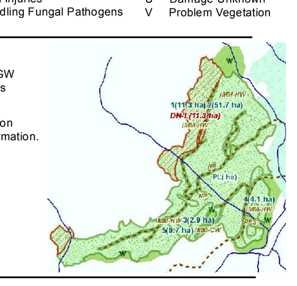
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

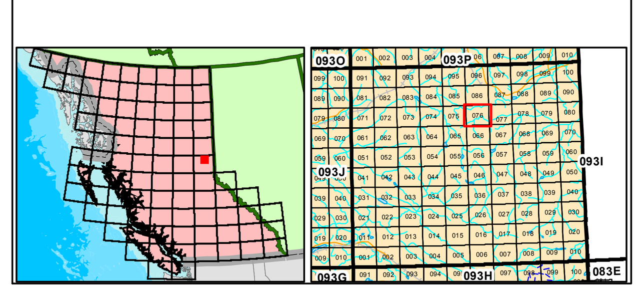
Example Opening History Details

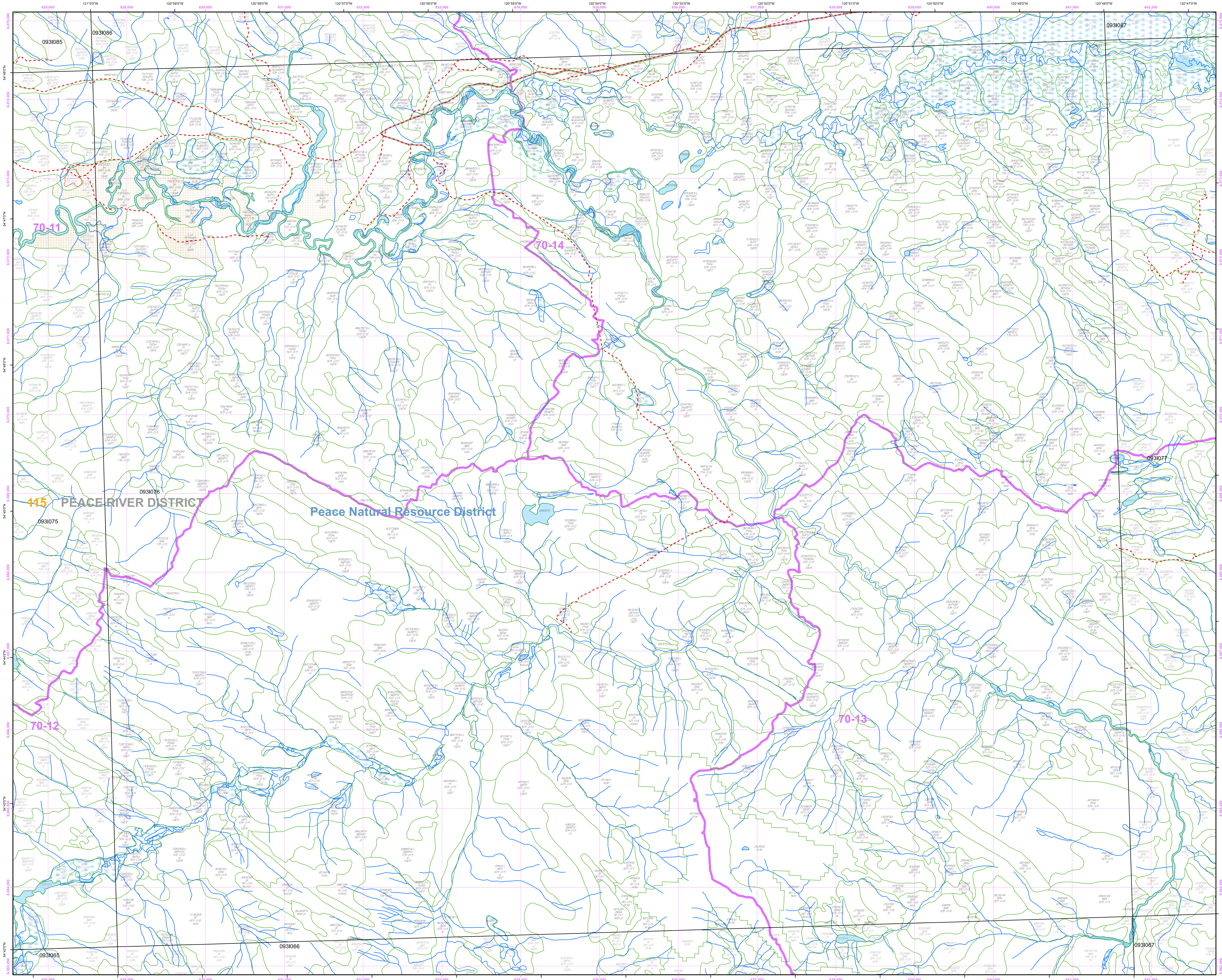
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

○5 77037 Sw(Ac) 644-0/18 sl GL88	32117312 Sw3b(Lt) 733-0/11 sl he	73054845/L SeB(Pli) 524-0/13 sl GJ06
16085 BlSe 522-0/12 he sl	35382401 SeBl 524-0/12 sl	74056507 SwSb(Pli) 734-0/12 sl
21458893/L SwB(Pli) 635-0/12 sl GJ06	35506390/L Pl(At) 422-0/13 he br sl GJ07	74485146 SwB(Pli) 635-0/11
3046123 SbSw 522-0/11 sl he	36011095 BlSe 724-0/7 sl	76613254/L SeB(Pli) 633-0/12 GJ07
3274132 Sb 620-0/10 he la sl	37532716 Se 420-0/12 sl he es	78176700 At(Sw) 220-0/14 es he
3577315 AtSw(Ac) 422-0/15 he sl	37586773 Pl(AtBl) 521-0/11 he br	78486238 AcSb 223-0/17 sl he
4847193 SwSb(Ac) 734-0/12 sl	38644538 BlSe 622-0/9 he sl	78521860/L SePl 631-0/12 sl he br GJ05
5406886 he sl	39876554 Pl(AtBl) 521-0/11 he br sl	80511522/L AtSw(Pli) 324-0/14 sl GJ06
6106848 Sb 620-0/10 he sl	40666898 SbSw(At) 522-0/11 sl	81126932/L At(Pl) 325-0/16 GJ07
6446125 SwAc 732-0/13 he ri	42847660 LtSb 624-0/8 sl	86197234 SwAt(Pli) 735-0/10 sl
9657441 SwAt(PlAc) 636-0/14 sl	43227405 Lt(Sb) 515-0/7	87717256 At(Sw) 316-0/7 br
9866950 AcSw 633-0/16 sl	43235825 BlSe 525-0/12	87857284 SwAt(Pli) 735-0/10 sl
11045212 BlSw 525-0/12	43855555/L SeB(Pl) 634-0/12 GJ07	88747291 Sw(At) 735-0/10 sl
11963050/L PlB(At) 522-0/11 sl he GJ05	44534037 BlSe 620-0/10 he sl	8914708 Sw(At) 830-0/12 sl he
12166697 he	44633942 Bl 520-0/9 he sl	90080738 Bl 725-0/6
12186923 Sw(Sb) 734-0/11 sl	45134569 he sl	90807235/L PlSw(At) 522-0/11 br sl he GJ08
17370960 Bl 611-0/4 he br	45143810 BlSe 523-0/9 sl he	91787261 SwAt(PlBl) 525-0/12 sl
18365204/L SwPl 634-0/12 sl GJ08	45184468 he sl	91887151/L Pl(AtSw) 523-0/13 sl GJ08
18377190 Sb(At) 725-0/8 sl	45893669 SeBl 624-0/10 sl	92066183 Sw(At) 831-0/13 sl he
19726679/L SbPl 422-0/10 GJ06	46043504 BlSe 523-0/10 he sl	92536529/L AcAt 225-0/17 sl
21036709 Sb 523-0/8 sl	46672665/L SePl 634-0/12 sl he GJ08	93286978 Sw 831-0/13 st
22063283 SbSe 521-0/10 he sl	47651208 SeBl 835-0/9	93887085/L At(PlSw) 325-0/14 sl GJ08
22387499 SbSw(LtAc) 623-0/8 sl he	68847128/L At(PlSw) 436-0/16 GJ07	93946648 sl he ri
23195035/L Pl 636-0/13 GJ07	68866622/L At(Pl) 326-0/17 GJ07	94615996/L Sw(Pl) 844-0/13 sl GJ07
23803917/L Pl(Se) 622-0/12 sl GJ05	69475479/L Pl(Se) 525-0/12 GJ07	94673782 Bl 510-0/6 he sl ta
24747173 SwSb(At) 623-0/10 sl	○2 69916336/L Sw 842-0/16 GL66	96556212/L Sb(AtPl) 625-0/10 GJ08
24885624 SwBSb 633-0/12 sl he	70723255 BlSe 524-0/8 he	97340917/L SePl(Bl) 734-0/9 sl GJ08
25071004 Bl 620-0/6 sl he	70833430 Bl 410-0/7 br he	97898843/L SwAcPl) 634-0/12 sl GJ07
26597545 SbSw(LtAc) 623-0/8 sl he	71871848 SeBl 524-0/9 sl	98087139 SwSb 834-0/13 sl ri
28451020 Bl 625-0/7 sl	○2 72216224 Sw 635-0/15 st GL88	
29177509 SbLt(SwPl) 514-0/6 sl	○2 72606490 Sb(Lt)(Sw) 722-0/10 sl he GL88	
29886794 Sb(Lt) 622-0/6 sl he	72735545 Sw(Pli) 734-0/14 sl	