Vegetation Map
093K037

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
- Sivicluture 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/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 *Shagbark 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; 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.

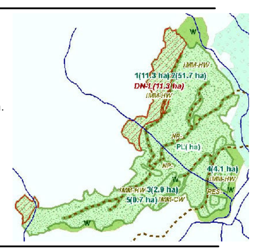
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects
L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens
R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

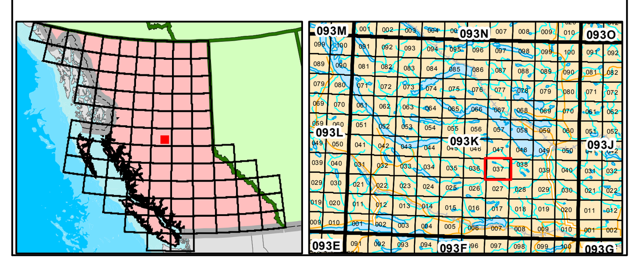
Example Opening History Details

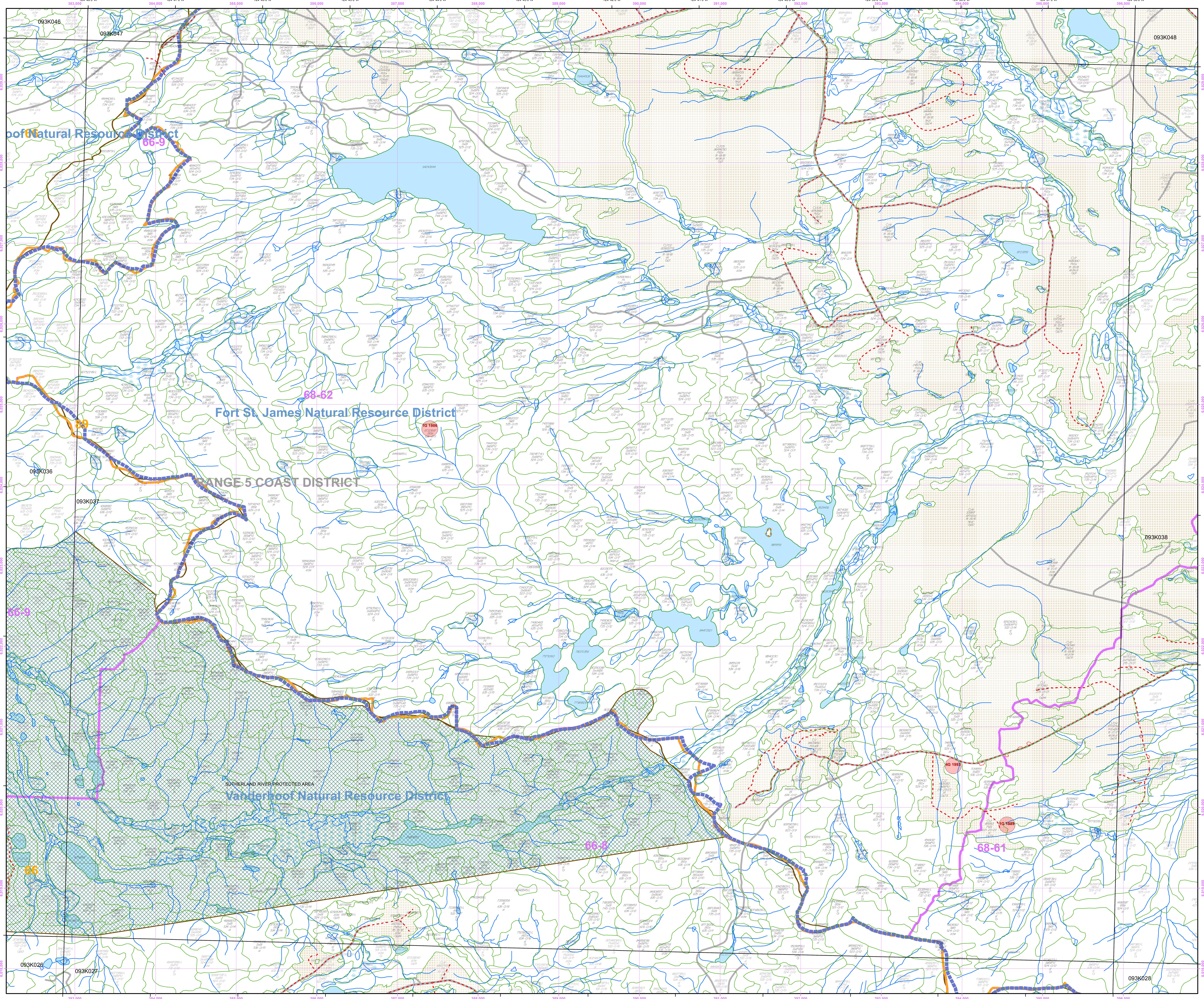
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

32601 he la	12679312 Sb 710-0/4 he sl	48510277 SxB(Pli) 634-0/12 sl be	69790209 SxBl 731-0/10 st	◯1 88929152 AtSxBl(Pli) 226-22/22 GL79
172166 BlSx(Pli) 524-0/11 sl	12789927 SxBl 521-0/11 sl	49350982 SxBl 735-0/10 sl	70704504/L SxPl(Bl) 733-0/10 sl G	89942989 SxPl(Bl) 734-0/11 sl
5629917/L SxPl 733-0/10 sl G	12804451 SxBl 733-0/12 st	49730080 At 525-0/10 sl	70842563 Sb 710-0/4 he sl	90768639/L SxBl 733-0/10 sl G
1162063 SxB(Pli) 836-0/13 sl	13752167 At(SxPli) 524-0/13 sl be	53048761 SxBl(Sb) 731-0/9 st be	71408489/L At 531-0/17 sl G	9883338/L Pl(Sx) 730-0/16 sl G
2084719/L Pli 521-0/12 sl G	13842569 SxPl(At) 732-0/11 he sl	55718496/L At 533-0/18 sl G	72982230 SxBl 525-0/14 sl G	◯1 92499372 AtSx 224-22/22 GL79
2154621 BlPl(AtSx) 523-0/12 sl	13893673 SxAt 534-0/14 la sl	◯99 55914648 PlSx 111-15/15 es sl GL12	73800896 AtSx(BPli) 635-0/12 sl be	92513994 Bl(Sx) 736-0/13 sl
3042291 SxPl 520-0/10 he	14134720 SxPl(Bl) 733-0/9 sl	56349467/L At(Pli) 533-0/14 he sl G	74753337 BlSx 536-0/15 sl be	93090217 Sb(Pli) 611-0/4 he sl
3214445/L SxBl(PlAt) 720-0/8 he sl G	14659711 SxSb(Bl) 731-0/9 sl be	◯99 57344642 PlSx 111-15/15 es sl GL12	74848545/L BlSx 521-0/12 sl G	93840157 SxBl 736-0/12 sl
3952594 AtSx 534-0/14 sl	14919722 BlSx 527-0/11 sl	58634639 SxPl(Bl) 731-0/13 st	75703238 SxBl 731-0/11 st	9385211 AtSx 534-0/17 st
4094182/L PlSx 731-0/15 sl G	15332652 SbSx(Pli) 613-0/6 he sl	6031852/L SxB(Pli) 523-0/13 sl G	77024554/L SxPl(Bl) 523-0/12 sl G	◯19 93872764 PlSx 111-18/18 es GL11
4651984 SxBl(AtPli) 845-0/12 sl be	15553396 SxBlAt 524-0/12 la sl	60404541 SxSb 624-0/10 sl be	77323331 sl be la	◯1 94269482 AtSx 226-22/22 GL79
4844070 SxAt(Bl) 534-0/14 sl	15779228/L BlSx 524-0/11 sl G	60668203/L Pl(SxBl) 733-0/16 sl G	78308183 Sb 510-0/6 sl be	94718381/L SxB(Pli) 534-0/15 sl G
4938175/L SxB(Pli) 524-0/11 sl G	16611040 SxB(Pli) 522-0/10 sl	61014637 SxSb 620-0/8 sl be	78314656 SxB(Pli) 732-0/12 dw sl	95222105 SxBl 734-0/14 st
5622438 At(Sx) 520-0/13 he sl	17110964/L SxBl 620-0/8 he sl G	61040068/L SxB(Pli) 731-0/10 sl be G	78679318 PlSx(At) 523-0/12 la	95413106 SxSb(B(Pli)) 525-0/12 sl be
5732789 SxBl 522-0/12 sl be	40752249/L Pl(SxBl) 732-0/15 sl G	61778358 SxBl 525-0/13 sl	78713520 BlSx 526-0/10 sl	95810547 Sb(Sx) 714-0/4 sl
5753474 SxSb(Pli) 534-0/14 sl	43003879/L SxPl(AtBl) 734-0/13 sl G	61978308/L Pl(SxBl) 733-0/16 sl G	78770649 SxSb 731-0/10 sl G	95829022/L SxBl 533-0/14 sl G
7800436/L Pli 524-0/13 sl G	43620717 Pl(AtSxBl) 524-0/13 sl be	62304625 Pl(SxBl) 731-0/13 st be	79784121/L Pl(Sx) 731-0/15 sl G	96060771 he sl
8431745 SxBl 732-0/12 dw sl	43660264/L SxB(Pli) 524-0/12 sl G	63178401/L AtSxBl 534-0/17 sl G	79789395 AtPl(Sx) 524-0/13 sl la be	96418445/L SxBl 532-0/14 sl G
8442839 SbPl 711-0/4 he sl	43689037 he sl	63604626 SxB(Pli) 732-0/12 st	79810763 SbSxPl 725-0/8 sl	96422944 SxB(Pli) 734-0/10 sl be
9053596/L SxB(AtPli) 522-0/11 sl G	4394059 SxBl 630-0/14 he sl	63761151 Bl(Sx) 626-0/10 sl	80033113 st be la	◯1 96599637 AtSx 224-22/22 GL79
9572812 At(PlSx) 534-0/14 sl	44030684 SxB(Pli) 635-0/13 he sl	63818432/L AtSxBl 534-0/17 sl G	82052973 Sx 730-0/12 st be	96832620 SxPl(Bl(At)) 525-0/12 sl
9749945/L SxB(Pli) 534-0/14 sl G	44300393 SxBl 526-0/12 sl	64078299/L AtSxBl 534-0/17 sl G	8259331 SxBl 734-0/12 sl G	97221540 SxBl 735-0/13 sl
10028204/L SxB(Pli) 734-0/12 sl G	44920507 Pl(Sx) 525-0/13 sl	64461685/L SxB(Pli) 523-0/13 sl G	82964621 SxAtBl 733-0/12 sl G	97361661/L PlSx 723-0/10 sl G
10384629 AtSxBl(Pli) 534-0/18 sl be	45120779 BlSx(Pli) 523-0/10 sl	64894079/L SxBl 422-0/13 sl G	83021296 SxBl 731-0/12 st	97490582 SxBl(At) 520-0/10 st be
10413096 he	45233787 SxBl 620-0/8 sl be	65388447/L AtSxBl 534-0/17 sl G	84119419 SxBl(At) 534-0/15 sl br	97558987/L SxBl 623-0/9 sl G
10511839 Sb(Pli) 611-0/4 he sl	45834606 Pl(SxBl) 734-0/15 sl	65568312/L At(Sx) 531-0/17 he sl G	85524417 SxAt(Sb) 730-0/9 sl be	98481017/L Sx 735-0/12 sl G
11070550 SxAt(BlPli) 521-0/12 sl	46434585 Sb(SxPli) 723-0/6 sl be	66598330/L At(Sx) 531-0/17 he sl G	85524613 SxAt 520-0/10 sl	98722531/L Pl(Sx) 730-0/15 sl be G
◯97 11184636 PlSx 111-18/18 es be sl GL11	46721102 Bl(Sx) 526-0/12	67406311/L PlAt 731-0/16 sl G	86284440/L SxB(Pli) 521-0/12 sl G	99003718 BlSx 525-0/11 sl
12073753 he sl	47251238 SxB(Pli) 526-0/12 sl	68228180/L PlAt 731-0/16 sl G	86302767 AtSx(Pl) 531-0/18 sl G	99812661 SxBl 524-0/12 sl
12194742/L Pl(Sx) 733-0/13 sl G	47580254 SxB(Pli) 524-0/12 sl be	68814629 Sb(PlSx) 711-0/4 he sl	◯705 87504689 PlSx 111-18/18 he sl GL11	99883046/L SxPl(At) 723-0/9 sl be G
12214705 SxPl(Bl) 730-0/11 st be	47714237 SxPl(At) 524-0/12 sl be	69478129 At(Sx) 634-0/15 sl	88904451 Bl(SxSb) 520-0/8 sl be	99992260 Sb(SxAt) 724-0/5 sl be