Vegetation Map

092I041

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 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, 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

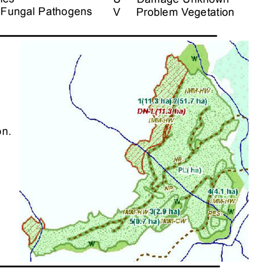
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

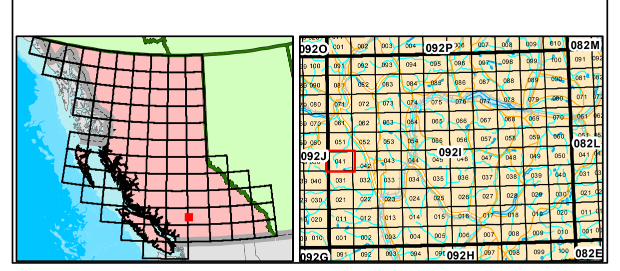
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

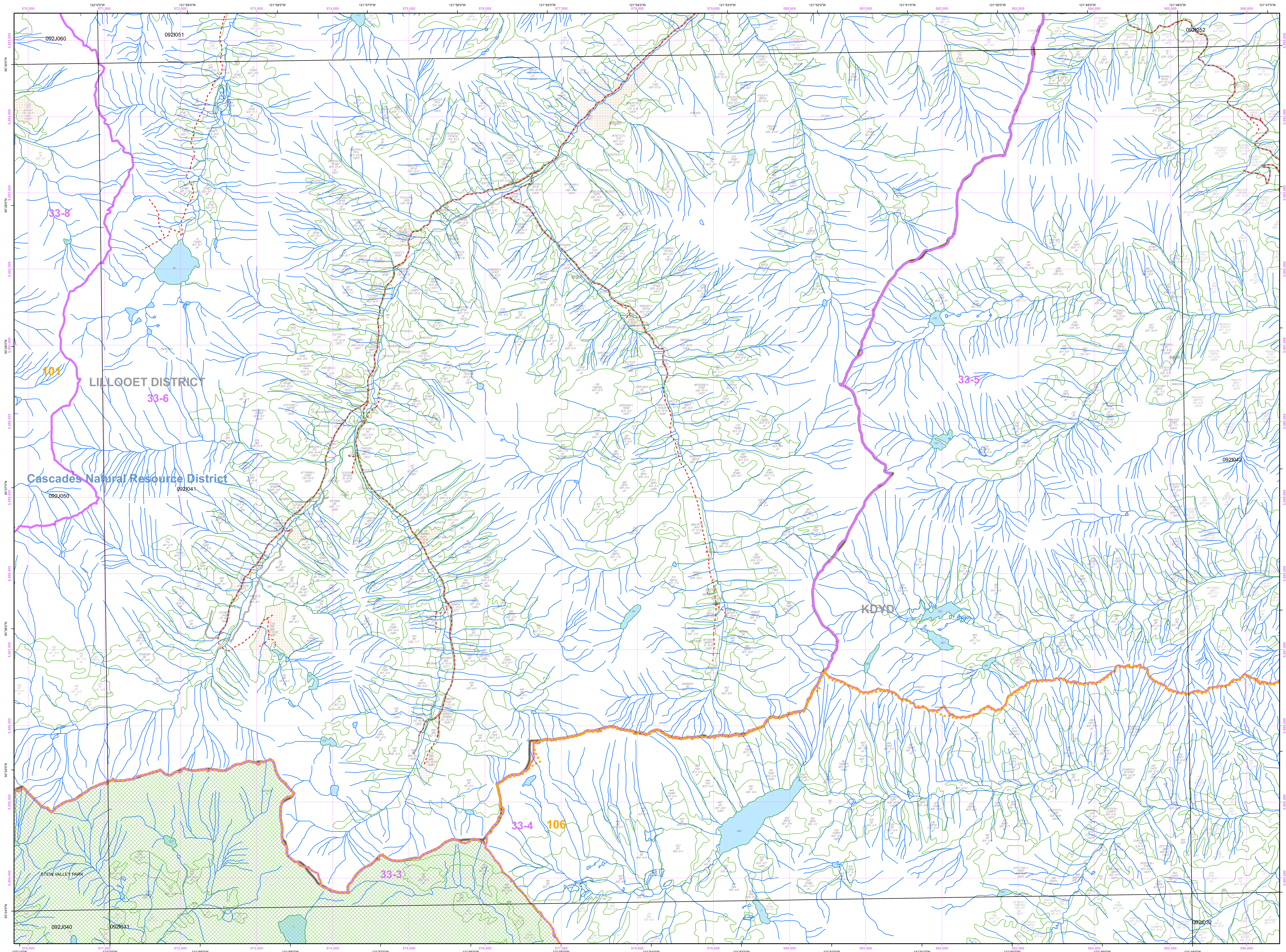
Example Opening History Details

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

8 Fd 833-11/10	423 BS 837-8/6	69820647 PlSx(Bl)Pa) 211-15/15 GJ72	7867965 SB 845-14/13
24 SB 822-6/6	424 SB 936-5/4	○25 70370102 Pl(Bl)Sx) 211-21/21 GJ95	79048319 SxBl 214-20/20 GJ80
49 SPl(B) 823-8/7 AF	473 SPl(B) 846-14/13	70391313/L SPa(Pl) 735-14/13 GJ07	79349289 SB 836-10/9
56 SB(Pa) 833-5/5 AF	479 BSPa 833-8/6 AF	○1 70540756 SBl) 211-10/10 GJ72	○31 83142453 Fd(Pl) 111-18/18 GJ11
61 PdS 825-8/8 AF GJ86	482 SPa(B) 834-6/5 AF	71030738 SxB(Pl) 211-17/17 GJ72	84312484/L FdPl 834-15/14 GJ04
70 Fd 831-12/12 NP	503 PdB 823-6/6 AF	○1 71030827 Pl 215-16/16 GN74	84562436 NSR
71 FdS 836-13/12	513 SbBPa 932-5/6	71130350 SB 946-10/9	8913609 R
138 SPa 931-4/4 NP GN70	516 BSe 932-9/6	○25 71149912 Pl(Bl)Sx) 211-21/21 GJ95	90142230/L PlFd 825-8/8 GJ04
143 SPa(B) 823-7/6 AF	518 BSe 935-9/6	○1 71300667 SBl) 211-10/10 GJ72	90252371/L Pl(Fd) 825-9/9 GJ04
151 SB 831-10/9 NP	522 SB 931-4/3 NP	71560602 SxBl 212-16/16 GJ72	9055547 SxBl 211-18/18 GJ88
○2 166 NSR GJ72	547 SbBPa(Pl) 835-6/7	○25 71630248 Pl(Bl)Sx) 211-21/21 GJ95	90892436/L Pl(Fd) 825-9/9 GJ03
198 SB(Pl) 835-10/9	571 BPdSe 934-8/5	71770421/L PlS 834-12/12 GJ03	90902632/L Fd(Pl) 823-10/9 GJ04
208 SB 823-4/4 AF	574 SPl 846-11/10	72150709 SxBl 212-15/15 GJ72	91321452/L SPl 845-11/10 GJ04
211 PdS 821-9/9 AF	○6 590 SbBl 211-15/15 GJ79	○25 72230063 Pl(Bl)Sx) 211-21/21 GJ95	92342902 A
258 SB 823-4/4 AF	○6 591 SB(l) 210-15/15 GJ79	72610890 SxB(l) 211-15/15 GJ72	93943029/L Fd(Pl) 822-9/9 GN04
300 SB 845-11/10 GJ86	641 A	○30 72891120 Pl(Bl) 111-18/18 GJ09	95581095/L PlS(Pa) 636-15/14 GJ03
311 SB 832-6/5 AF	647 PlSB 736-12/12	○32 73021536 FdPl(SxB) 111-15/15 GJ11	98678879 SB 835-7/7
314 BS 831-13/11 NP	648 Fd(S) 831-10/9 NP	73070028 BaSx(PaB) 212-17/17 GJ72	○23 99509816 BS 211-15/15 GJ93
321 Pd(S) 822-8/8 NP GJ86	○17 99195 Bl 210-15/15 NSR GJ93	○32 73091700 FdPl(SxB) 111-15/15 GJ11	99669216 SbBl 212-12/12 GJ93
323 BS 423-13/12	3553413 FdPl 834-12/11	74051037/L SB(Pl) 844-12/12 GJ03	99669327 BlSe 213-12/12 GJ93
331 PdS 822-6/6 AF	24837048 PlBPdSe) 723-6/6 AF	74431064/L SB(Pl) 841-15/14 GJ03	○16 99893273 Bl 210-15/15 NSR GJ93
332 BS 826-9/8	26251660/L SB(Pl) 932-6/6 GJ07	74811229/L SPl(B) 832-8/8 NP GJ04	
335 SB 833-7/7	34671711/L SFd(Pl) 822-6/5 GJ08	75431030/L SPl(B) 835-10/10 GJ04	
338 SB 832-9/8	34861039/L SB(Pl)Pa) 831-8/8 GB09	75761340/L SPl) 835-11/11 GJ06	
341 PdS 826-7/6	34961295 A	7647193 FdSB 844-20/19	
345 SB 636-15/14	62388742 BlSx 211-16/16 GJ80	7650597 SB 845-14/13	
349 Pa 821-6/6 NP	66638852/L SB(Pl) 844-12/11 GJ05	7717494 SB 845-14/13	
350 Pa 825-6/6 AF GJ86	68292361/L SPl(B) 721-8/7 AF GJ06	○32 78122129 SxBl 111-15/15 GJ11	
352 SB 935-6/6	68429793/L SPl(B) 844-12/11 GJ07	78148289 BlSx 211-15/15 GJ80	
396 Pa 823-6/6 AF GJ86	69010527/L SPa(Pl) 832-14/13 GJ04	78359718 PdS(B) 825-11/11 GJ86	
397 Pa 822-6/6 AF GJ86	69100430/L SB(Pl) 834-10/10 GJ06	78408647 BlSxBa) 322-21/21 GJ72	
408 SB 837-8/8	69352050/L SB(Pl) 822-8/7 AF GJ08	78442082/L FdS) 634-14/14	
410 SB 943-7/6	69810532 PlSx(B)Pa) 211-15/15 GJ72	○32 78621934 SxPl 111-15/15 GJ11	