Vegetation Map

093C033

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
- Silviculture 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 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)
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.

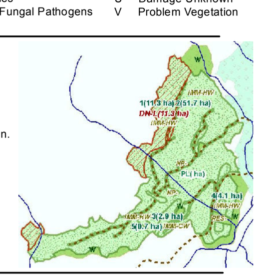
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

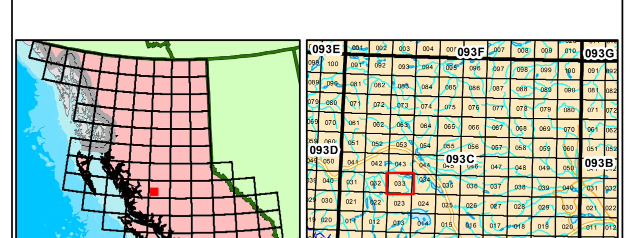
Example Opening History Details

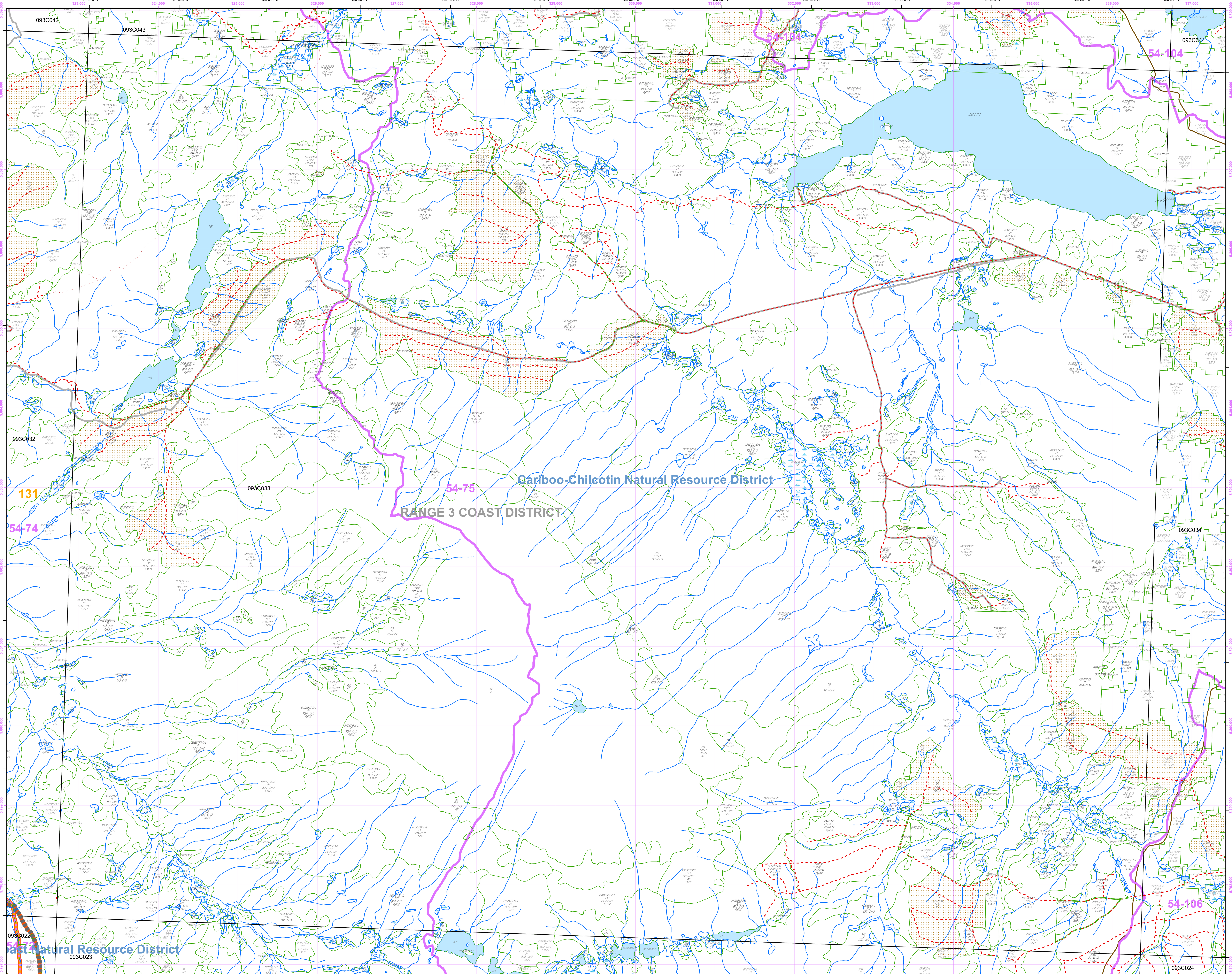
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

13 OR	21725601/L Pl 823-0/7 GI11	○ 3 16938341 Pl(Sx)(Bl) 211-18/18 GL88	○ 12 49900334 Pl(B)Sx 211-18/18 GL91	78871684/L S(Pl) 932-0/3 GI04
20 PlS 825-0/7	3407345 Pl(Bl)(SxPa) 111-18/18 GL89	17177722/L PlS 821-0/10 GI04	52170700 OR	79132061/L SPl 833-0/6 GI04
22 PlS 825-0/7	○ 21 4549601 NSR GL96	17777165/L S(Pl) 933-0/3 GI04	52596930/L Pl 623-0/12 GI07	○ 8 82150941 Pl(S)xB 211-18/18 GL90
89 Pl 815-0/2 NP	4779480 PlS 925-7/6	19678572/L Pl 423-0/14 GI11	53826707/L SPl 933-0/5 GI06	82912880/L Pl 822-0/10 GI04
90 S 815-0/2 NP	5547525/L Pl 820-0/7 GI11	19698627/L Pl 423-0/14 GI11	○ 11 55011029 NSR GL91	85383006/L Pl 422-0/14 GI03
92 S 815-0/2 NP	5767332 Pl(B)(Pa) 111-14/14 GL89	19968956 Pl(Sx) 724-6/8 GI03	58160943 NPBR	○ 8 85951094 Pl(S)xB 211-18/18 GL90
98 S 815-0/2 NP	6477373 Pl(B)(SxPa) 111-18/18 GL89	20091451/L Pl 422-0/14 GI04	58226949/L Pl 624-0/12 GI04	85962593/L Pl 724-0/11 GI05
118 Pl 825-0/7	6617467/L Pl 820-0/9 GI07	○ 29 20311034 GI07	58437070/L Pl 624-0/12 GI04	86902772/L Pl 823-0/7 GI04
119 Pl 925-0/6	6912343/L PlS 822-0/7 GI04	20348584/L Pl 423-0/14 GI11	58492997 Pl 424-0/14	○ 23 87192868 Pl 111-14/14 GL98
157 S 835-0/6	7859248/L SPl 934-0/5 GI07	20488753/L Pl 423-0/14 GI11	58747763/L Pl 624-0/12 GI04	87792720 S 525-0/8 NP
160 S 815-0/2 NP	8371939 S 815-0/2 NP	20899080 Pl(Sx) 724-6/8 GI03	59102274 PlS 825-0/7	87992584/L Pl 722-0/11 GI11
166 SPl 825-0/3	8727408/L Pl 822-0/9 GI07	21367356/L PlSx 823-5/8 GI03	59322998	○ 24 88292672 Pl(Sx) 521-0/13
167 SPl 825-0/3	8772234/L S(Pl) 833-0/6 GI03	21961085/L S(Pl) 833-0/6 GI03	○ 11 59551683 NSR GL91	88371932/L Pl 823-0/7 GI04
169 S 915-0 NP	8781697/L Pl 821-0/9 GI04	22189237/L PlSx 723-8/7 GI03	60026985/L Pl 624-0/12 GI04	88622444/L Pl 821-0/7 GI03
171 S 915-0 NP	○ 22 9309117 Pl(B)(Sx) 110-18/18 GL96	22471102 Pl 426-10/10 GI03	○ 15 60302046 NSR GL90	○ 25 89423005 Pl 110-15/15 GL98
179 Pl 715-0/4	9649060 Pl(B)(Sx) 111-16/16 GL96	22617329/L Sx(Pl) 822-6/6 GI03	60902335 PlS 825-0/7	89481223/L SPl 824-0/3 GI04
180 Pl 725-0/11	○ 22 9999190 Pl(B)(Sx) 110-18/18 GL96	22651165/L Pl 422-0/14 GI04	61240725/L Pl(S)(B) 824-0/9 GI04	93182535/L Pl 822-0/7 GI04
181 Pl 725-0/11	10297292/L Pl 823-0/7 GI07	22709277 R	61451874/L SPl 834-0/6 GI08	93371938/L Pl 422-0/14 GI03
197 PlS 825-0/9	10719209 Pl(B)(Sx) 111-16/16 GL96	22792573/L Pl 821-0/10 GI04	61760676/L Pl(S)(B) 824-0/9 GI11	○ 26 93682962 Pl 521-0/11
239 M	10767092/L Pl 821-0/9 GI04	22888769 Pl 424-0/14	62648387/L Pl 723-0/11 GI11	93192298 Pl(Sx) 526-6/7 GI03
305 S 525-0/8 NP	11841434/L Pl 823-0/9 GI04	22999269 Pl 424-0/14	63201810/L SPl 834-0/6 GI04	94431867/L Pl 822-0/10 GI04
307 Pl 725-0/11	12187046/L Pl 821-0/9 GI04	43251465/L SPl 832-0/6 GI04	63962763 PlSx 623-4/8 GI03	94921910/L Pl 822-0/10 GI04
327 S 815-0/2 NP	○ 27 12421690 GI07	43369891 Pl 620-0/12	65092703 PlSx 623-4/8 GI03	95762021/L Pl 421-0/14 GI04
338 S 835-0/6	13172983/L SAt(Pl) 421-0/13 GI03	43402915/L Pl 822-0/7 GI03	65241780/L SPl 834-0/6 GI04	96656678/L S(Pl) 933-0/3 GI11
351 SPl 835-0/6	13180482/L Pl 822-0/10 GI07	43409586/L Pl 620-0/12 GI04	66212934 PlSx 623-4/8 GI03	97022519/L Pl 724-0/11 GI04
376 Pl(S) 825-0/7	13257614/L SPl 833-0/6 GI04	43518325 OR	66301587/L Pl 422-0/14 GI05	97302122/L Pl 421-0/14 GI04
378 S 831-0/6	13537227/L S(Pl) 833-0/6 GI04	43706748/L SPl 934-0/3 GI07	○ 0 67213002	97522633/L Pl 722-0/11 GI04
390 Pl(S) 825-0/7	13951470/L Pl 822-0/9 GI04	43997278/L Pl 620-0/12 GI04	67330726/L Pl(S)(B) 823-0/9 GI07	98850747/L Pl 822-0/7 GI04
391 Pl(S) 825-0/7	15137482/L Pl 822-0/9 GI04	44159845	69761590/L Pl 721-0/11 GI04	99790441/L SPl 823-0/3 GI04
392 Pl(S) 825-0/7	15339995 B(S)(Pl) 114-16/16 GL96	44332700 PlSx 415-7/8 GI03	69871476/L SPl 833-0/6 GI04	
396 Pl(S) 825-0/7	15867601/L Pl 822-0/7 GI07	45466704/L SPl 934-0/3 GI04	71582999/L Pl 822-0/9 GI03	
397 PlS 825-0/7	16107507/L SPl 834-0/6 GI04	45722648/L SPl 834-0/6 GI08	73151304/L Pl 720-0/11 GI04	
403 OR	16161734/L Pl 820-0/9 GI04	47306807/L Pl 824-0/10 GI07	73482337/L SPl 934-0/5 GI04	
869107 M	16473001/L Pl 822-0/10 GI03	47369513/L Pl 625-0/12 GI04	○ 6 7511941 NSR GL90	
1559399/L PlS 921-0/6 GI04	16537694/L PlS 821-0/10 GI06	○ 12 49750317 NSR GL91	77062677 Pl 410-8/8 GI03	