092O048

Vegetation Map

092O048

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:

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
G,L78

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.

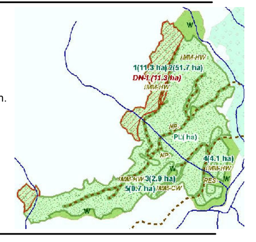
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

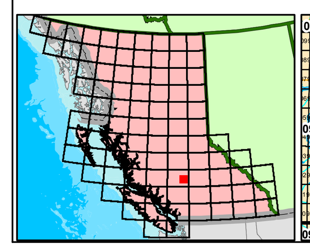
Example Opening History Details

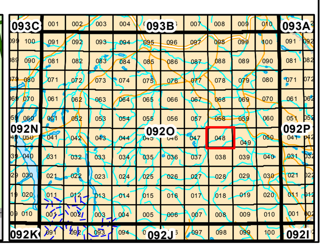
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

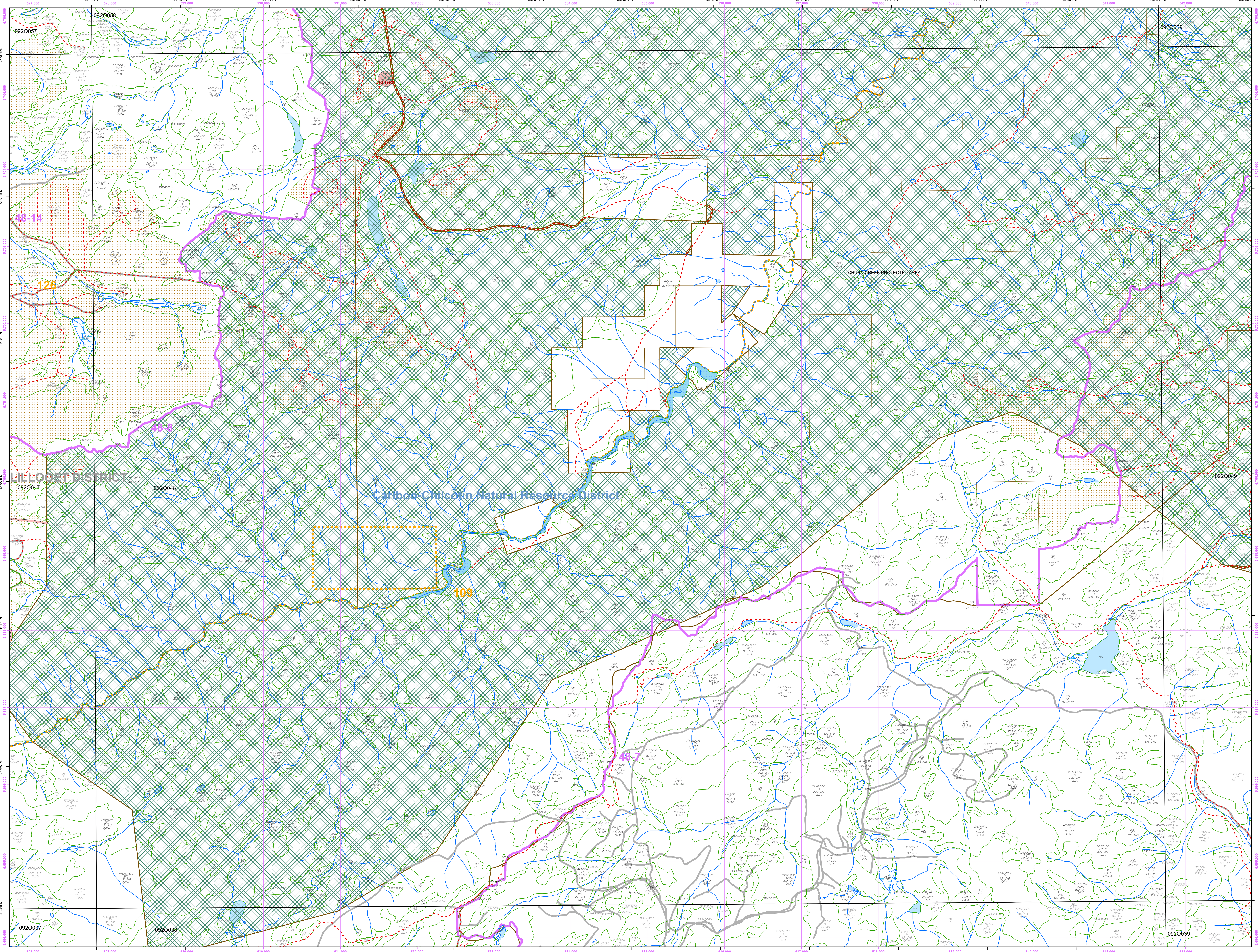
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH









Overflow Labels

11 AtFd 312-4/4	432 Fd 725-O/11	○13 1628 Pl(AtS) 210-16/16 G,N87	39820083/L Pl 820-O/7 NP G,I03	○ 30 76369593 Pl 111-16/16 G,I06
15 FdAt 624-O/8	433 Fd 726-O/11	357416 OR	49202880/L Pl 726-O/11 G,I03	76576884/L Pl 520-O/9 G,I04
19 Fd 823-O/8	443 Fd 832-O/10	21009218/L S(Pl) 831-O/8 G,I05	49417276 Fd 825-O/8	○ 29 78201538 G,I08
20 OR	466 Fd 825-O/8	24623332/L S(FdPl) 835-O/6 G,I11	49895013/L Fd(Pl) 723-O/11 G,I03	79588822/L Pl 520-O/9 G,I04
24 Fd 823-O/7	467 Fd 836-O/10	6291636/L Pl 621-O/12 G,I05	50677547 Fd 725-O/11	78756123/L Pl(Fd) 821-O/9 G,I03
29 FdAt 824-O/8	468 Fd 725-O/11	10391218/L Pl 511-O/6 G,I05	50607660 Fd 825-O/8	79175210/L Pl 330-20/20 G,I08
37 Fd(Pl) 624-O/9	469 Fd 836-O/10	10797457 Fd 823-O/9	50747242 Fd 825-O/8	84494564/L Pl 520-O/10 G,I05
54 Fd 723-O/11	473 Pl 311-4/4	10852035/L SFd(Pl) 832-O/6 G,I04	5186730 Fd 825-O/8	○ 29 8169551 G,I08
60/L Pl 332-20/20	513 Fd 823-O/9	11231342/L Pl 511-O/6 G,I04	51275167/L Pl(Fd) 723-O/11 G,I07	86747295 NP
○3 77 Pl 210-16/16 NSR G,I85	518 Fd 516-O/6	11811004/L Pl 511-O/6 G,I07	○13 51435100 Fd(Pl) 724-O/11 G,I50	86764935/L Pl 521-O/10 G,I05
106 At 623-O/10	519 Fd 826-O/7	12611053/L S(Pl) 831-O/8 G,I04	55685039/L Pl(Fd) 722-O/11 G,I07	84891506/L Pl 510-O/6 G,I04
121 At 414-O/5	522 Fd 826-O/8	13381047/L Pl 511-O/6 G,I04	5568569 OR	85109304/L Pl 821-O/9 G,I04
136 Fd 833-O/12	543 Fd 836-O/10	16231001/L S(Pl) 833-O/8 G,I04	51705609 Pl(Fd) 726-O/11	86857337 Fd 933-O/9
179 Fd 933-O/9	545 Fd 836-O/10	18577486/L Fd 623-O/9	51901149/L Pl(Fd) 823-O/9 G,I03	86794616/L Fd(Pl) 822-O/8 G,I03
182 Fd(Pl) 624-O/9	553 Fd 516-O/6	17727498/L Fd 833-O/12	52004516 OR	88540912 OR
189/L At 623-O/8	555 Fd 415-O/7	18857509/L Fd 624-O/9	53021531 Fd 836-O/10	88071155/L Pl 821-O/9 G,I04
234 Fd 823-O/9	556 Fd 825-O/7 NP	21201256/L Pl 511-O/6 G,I04	53521730 Fd 726-O/11	89490888/L Pl 510-O/6 G,I04
235 Fd 823-O/8	568 Fd 826-O/10	21821524/L Pl 821-O/10 G,I04	69516933 NPBR	92114774/L Pl(FdS) 822-O/8 G,I03
236 Fd 823-O/8	570 Fd 726-O/11	22571363/L Pl 511-O/6 G,I04	69587245/L Pl 822-O/9 G,I04	94121426/L Pl 510-O/6 NP G,I05
239 Fd 933-O/9	582 At 527-O/13	22721137/L Pl 821-O/9 G,I04	○13 70405526 Pl(At) 210-16/16 G,L86	96015348/L PlFd(S) 622-O/10 G,I03
257/L Fd 623-O/12	585 Fd 824-O/9 NP	23032244 OR	○ 28 70445827 Pl(At) 111-16/16 G,L08	95270988/L Pl 510-O/6 NP G,I05
258/L Fd 623-O/12	615 Fd 822-O/7 NP	23767526/L Fd 624-O/9	○ 29 70556054 G,L08	99037431 OR
259/L Fd 623-O/12	691 At 726-O/11	23871041/L Pl 511-O/6 G,I04	70684801 NPBR	99730967/L Pl 511-O/6 NP G,I07
261/L Fd 621-O/11	695 PlFd 415-O/6	25732213/L Pl 510-O/6 G,I04	○ 29 71174635 G,L08	
262/L Fd 621-O/11	698 PlFd 415-O/6	26322334/L Pl 510-O/6 G,I04	71976327/L PlS 831-O/10 G,I04	
265/L Fd 621-O/11	709 Fd 725-O/11	28722011/L Pl 510-O/6 G,I04	72827272/L FdAt(Pl) 831-O/13 G,I04	
267/L Fd 621-O/11	711 Fd 721-O/11	28902972/L Fd(Pl) 824-O/8 G,I04	73516623/L Pl 320-16/16 G,I08	
276 NPBR	716 Fd 713-O/4 NP	30641850/L Pl 721-O/11 G,I04	○ 30 73615697 Pl 111-16/16 G,L06	
342 Fd 836-O/12	731 SAt(Pl) 846-O/13	31471632/L Pl 510-O/6 G,I04	○13 74415983 SPl 210-16/16 G,L86	
353 PlS(Fd) 837-O/15	910/L Pl 516-O/7	32011759/L Pl 721-O/11 G,I04	○ 30 75365868 Pl 111-16/16 G,L06	
354 PlS(Fd) 836-O/15	○13 1601 Pl 210-16/16 G,L86	33121092/L Pl 721-O/11 G,I04	75437176/L PlFd 321-16/16 G,I07	
387 Fd 723-O/11	○4 1604/L Fd 621-12/12 G,L78	34402334/L Pl 721-O/11 G,I04	75677151 OR	
410 Fd 726-O/11	○4 1605/L Fd 621-12/12 G,L78	37872972/L Pl 822-O/9 G,I05	75804594/L S(Pl) 621-O/9 G,I04	
418 Fd 825-O/8	○13 1623 SPl 210-16/16 G,L86	38653117/L Fd(Pl) 731-O/16 G,I07	○ 29 75915083 G,L08	
431 Fd 835-O/10	○13 1624 SPl 210-15/15 G,L86	39581937/L Pl 520-O/14 G,I04	76286021/L S(Pl) 830-O/9 G,I04	

092O048