Vegetation Map
093P072

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 *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.

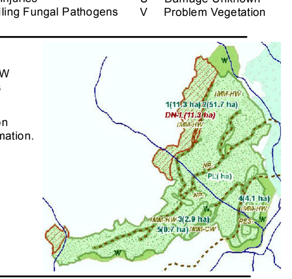
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

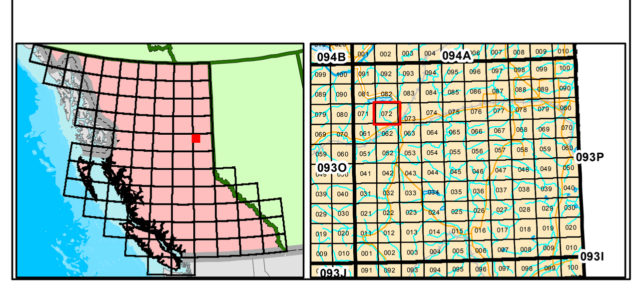
Example Opening History Details

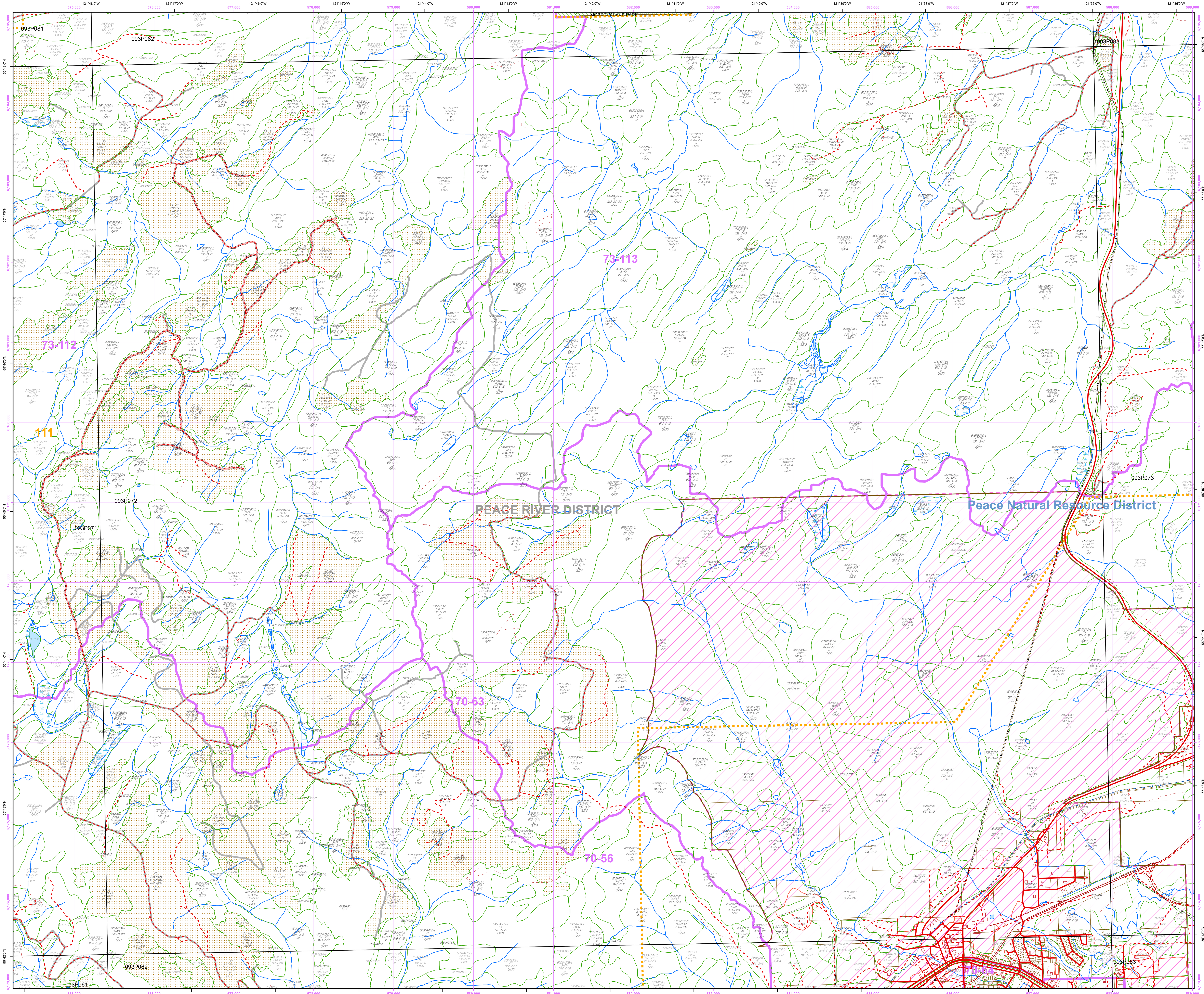
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

1211150 sl	32846721/L Sx(Pl) 742-O/16 sl GJ04	○ 43 41764446/L Sx(AcAtPl) 83-O/12 GJ10	54090833/L Sw(AtPl) 534-O/18 sl GJ04
1640078 SwAt(Pl) 735-O/14 sl	33078820/L Pl 633-O/17 sl GJ05	42246552 Pl(Bl(Sx) 114-20/20 GL93	54484602 SwAcAt 746-O/15
1977806 AtSw 631-O/16 sl	33227967/L Sw(Pl) 733-O/14 sl GJ05	43236632/L SwPl 835-O/13 sl GJ07	55565006/L Pl 731-O/16 GJ06
2248030 r2,sl be	33235431 Pl(Sx) 111-20/20 GL93	43674330/L Sw(Pl) 531-O/13 sl GJ10	55609235 Sw 530-O/12 sl
2338820 SwAc(Pl) 633-O/15 sl	33256963/L Pl(At(Sw) 632-O/15 sl GJ05	○ 25 43767104 Pl(Sx) 834-O/13	56246097/L Pl 631-O/15 GJ06
2448544/L Pl 733-O/16 sl GJ06	33760482 PlSxAcb(At) 114-18/18 GL00	44306305/L PlSw 733-O/17 sl GJ05	56644376/L AtPl(Sw) 635-O/16 GJ05
○X33 2888111 Pl(Sw) 114-16/16 sl,he GL92	33946100 BlSxPl(Ac) 213-18/18 GL95	44546075 Sw 531-O/12 he sl	○ 34 58799370/L SxPl 634-O/17 GJ04
5204669 At 536-O/19 sl	○ 51 34558136/L Pl 723-O/9 GJ07	44596698/L Pl(Sw) 736-O/17 sl GJ04	60550896/L Pl(Sw) 734-O/16 sl
2804052 At(Pl) 735-O/14 sl	35047377 Pl(Bl)Sx 113-14/14 GL95	○ 25 44867026 Pl(Sx) 834-O/13	62895663 SwPl 734-O/13 sl
2826032 At(Pl) 735-O/14 sl	35086836 PlSe 736-O/15	45995404/L BlSwPl 521-O/8 sl GJ08	64175743/L Sw(Pl) 845-O/13 GJ05
28799375/L At(Pl) 732-O/18 sl GJ05	○ 54 35356625 Pl 827-O/6	46025499/L Sw(Pl) 733-O/14 sl GJ07	65580936/L Pl(At) 734-O/16 sl
29488300/L Sw(Pl) 732-O/13 sl GJ04	36125717/L PlSw 733-O/15 sl GJ05	46116746/L Se(Pl) 636-O/13 GJ07	68794435/L Sw(AtPl) 735-O/14 sl GJ05
29808421/L Pl 632-O/17 sl GJ05	36878011/L Sw(Pl) 733-O/13 sl GJ04	46125685/L Sw(Pl) 733-O/14 sl GJ08	72890954/L At(SxPl) 632-O/15 sl GJ05
○ 48 29860087 GJ11	○ 49 37270670 PlSx 834-O/15	46254611/L SwAt(Pl) 531-O/16 sl GJ04	○ 72 73058779 At 836-O/12
○ 51 30048241 Pl 724-O/9	○ 51 37188183 Pl 724-O/9	46375901 Sw(Pl) 736-O/14 sl	○ 71 76679617 GJ14
○ 48 30330079 SxAt(AcbPl) 111-18/18 GJ11	37899082/L Pl 634-O/17 sl GJ05	○ 32 46459290 PlSx 635-O/18	78924765 At 227-O/18
30519413/L AtSw(Pl) 631-O/16 sl GJ05	○ 33 38289253/L SxPl 635-O/17 GJ07	46826608/L Se(Pl) 636-O/13 GJ04	○ 71 80810121 GJ14
3076041 PlSxAcb(At) 114-18/18 GL00	○ 55 38655456 AcbAtSw 637-O/16	46904826/L SwAt(Pl) 531-O/16 sl GJ06	80920320 PlSxE,pAcb(Bl) 214-18/18 GL87
30885797/L SwPlSb 636-O/12 GJ05	○ 55 38715107 AcbAtSw 637-O/16	46944738/L Sw(Pl) 531-O/16 sl GJ06	83360480 Pl(SxBl) 533-18/16 GL87
31196609/L Se(Pl) 633-O/16 GJ06	39037892 SwPl 735-O/13 sl	47724964/L Pl(SwAt) 532-O/16 sl GJ05	84964551 At 327-O/18
31274942 PlSx 111-20/20 GL93	○ 44 39170517 AtAc 536-O/16	○ 36 48258312/L Pl 633-O/18 GJ08	85550460 PlSxE,pAcb(Bl) 214-18/18 GL87
○ 51 31408209 Pl 724-O/9	○ 55 39195614 AcbAtSw 637-O/16	49494866/L Pl(Sw) 735-O/18 sl GJ05	86440451 PlSx(BlAtE,p) 114-18/18 GL87
31489825 AtAc 735-O/16 sl	39598325/L Pl 631-O/15 sl GJ04	49775422/L Sw(Pl) 735-O/14 sl GJ07	87045477 At 221-17/17 he sl es
○ 31 31529993/L SxAtPl 636-O/15 GJ04	39619360/L Pl 634-O/17 sl GJ05	○ 68 50085426 SbPlSx 723-O/10	88297756 Sb 214-15/15 he sl
○ 51 31758442 Pl 724-O/9	○ 55 39685735 AcbAtSw 637-O/16	○ 26 50599952/L Sx(PlAcb) 732-O/14 GJ06	90150638/L AcPl(Sw) 112-20/20 sl he GL95
32195023 PlSx 111-20/20 GL93	○ 44 39790563 At(Acb) 112-18/18 GJ10	51574426/L SwPl 743-O/17 sl GJ06	90650462/L AcPl(Sw) 112-20/20 sl he GL95
32585392 PlSx 111-20/20 GL93	40979392/L Pl 631-O/16 sl GJ08	52650809/L Sw(AcPl) 735-O/14 GJ05	90814556 At 435-O/16 sl he
32587181/L Se(Pl) 742-O/16 GJ04	○ 55 41145548 AcbAtSw 637-O/16	52856631/L Sw(Pl) 631-O/16 GJ08	92846124 SwAt 736-O/13
32625580/L SwPl(Bl) 632-O/16 sl GJ05	○ 55 41405802 AcbAtSw 637-O/16	○ 27 53034786/L SxPl 832-O/12 GJ05	94438763 At 732-O/14 sl
○ 47 32745234 Pl(Sb) 535-O/14	41456336 Pl(Bl(Sx) 113-16/16 GL93	53220794/L Sw(AtPl) 534-O/18 GJ04	95221129 Sw 735-O/13 sl
○ 28 32808498/L Pl 734-O/16 GJ05	41696091/L Pl(Sw) 735-O/15 sl GJ06	53674526/L Pl(Sw) 736-O/18 sl GJ06	97910779/L At(Pl) 730-O/15 sl GJ06