MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS (BRITISH COLUMBIA)

Vegetation Map

093C001

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
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.

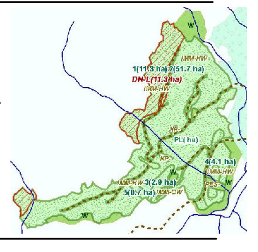
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

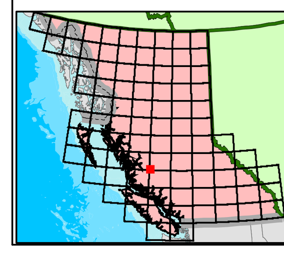
Example Opening History Details

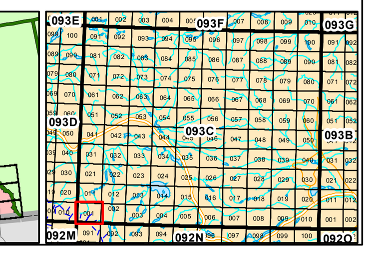
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

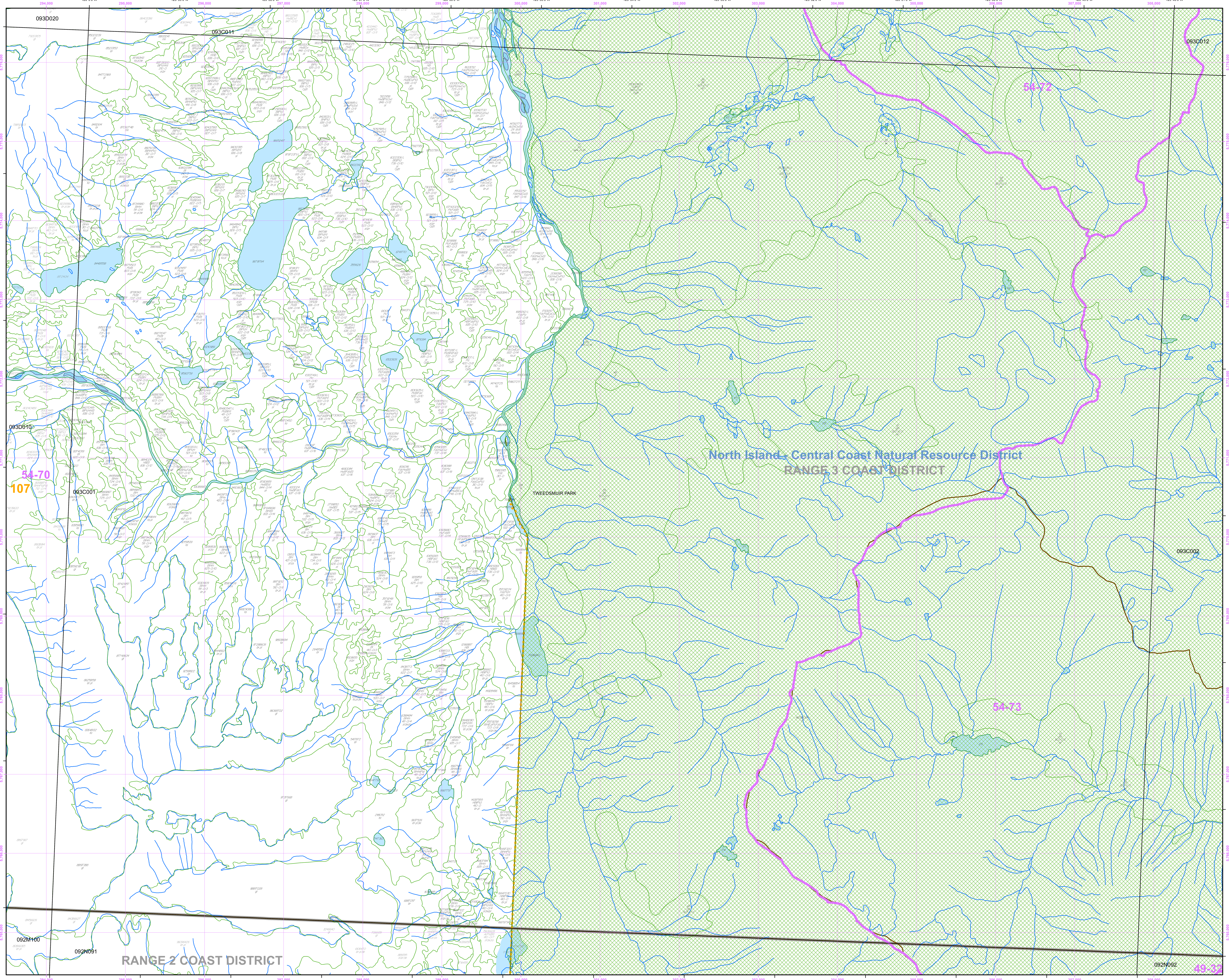
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

169 G	10042817/L EpFdc(PlcHw) 213-0/12 st GJ11	15280360 AcDr(CwSs) 224-0/19 sl rs	8955024 AcHwSsEl 323-0/18 st rs
40851 st	10350442 Fdc 620-0/10 br	15647086 Bl 423-0/9 st he	8983166 BlHm 412-0/5 st bl
513147 Bl(Plc) 944-0/10 st	10491627/L FdcCwEp(Plc) 834-0/12 br sl GJ11	15829941 AcDr(CwSs) 224-0/19 sl rs	8998931 BlPlc 725-0/9 st
913238 HwB 936-0/11	10871155 EpHBl(Plc) 421-0/9 ta sl	15889641 FdcCw(Plc) 310-0/9 st ta	9049263 Bl(PlcHm) 312-0/7 st bl
1183231 BH 823-0/7 st he	11030454 Fdc(HwCwPlc) 733-0/15 br sl	15960725 FdcEp(AcCwHw) 635-0/17 st	9059315 Bl(HmPlc) 821-0/4 he sl
1211562 PlcB(H) 834-0/13 st	11241594 FdcBl(CwEp) 731-0/15 ta sl	16071907 EpFdcCw(Plc) 313-0/10 st	90710895 BlHm(Plc) 524-0/9 br sl
1391198 PlcB(H) 821-0/10 hg sl	11777944 BlHm 724-0/6 st	16201979/L FdcPlc 520-0/9 ta GJ11	90892473 Bl(Plc) 625-0/7 st
1823203 HwBCw 946-0/12 st	11829294 PlcHFdc(Bl) 622-0/10 st br	16430860 AcDr(Ep) 213-14/14 st be rs	9550366 BlPlc 624-0/9 br sl
2730600 FdcHwPlc(Bl) 736-0/16 br	12139363 ta	16676794 AcPl(cBl) 410-0/7 st be ta	92233042 ta
2770180 HwBSs(Fdc) 846-0/15 st	12228285 BlH 536-0/13 st	16571410 ta	92262747 Bl(PlcHm) 827-0/7
2832222/L BlHm(Plc) 620-0/6 he sl GJ11	12663073 AcFdcCw(SsHw) 844-0/20 st	16721229 ta	92411771 ta
3320310 rs	12706775 BlHm 836-0/9 st	16361405 FdcHwCw(Plc) 736-0/15	92920774/L BlHm(Plc) 625-0/11 st GJ11
3572048 BlS(Plc) 621-0/6 ta sl	12910276 FdcCw(Plc) 622-0/11 br sl	20131808 AcDr(CwSs) 225-0/19 st rs	93089967 HwB(CwS) 734-0/12 st
3986765 br sl he	13083241 AcDr(CwSs) 222-0/17 he sl rs	83161714 ta	93652886/L BlPlc 936-0/4
4279534 BlH 420-0/12 st	13127705/L FdcDr(HwPlc) 324-0/16 st GJ11	83229977 BlHmPl(Pa) 712-0/4 st br	9410993 HwBl 634-0/14 st
4423260 HwB(Plc) 837-0/11	13351046 Fdc(PlcCw) 624-0/12 br sl	83260022 BlPlc 620-0/6 ta sl	94401509 BlPlc 624-0/8 st br
4808868 BlHm 410-0/4 st be br	13370220 FdcCw(Hw) 733-0/16 st br	83280426 BlPlc 722-0/5 br sl	94510095 Ep(PlcFdcHw) 522-0/10 ta sl
5051654 BlH(SPlc) 836-0/10 st	13417131 Bl(PlcHm) 623-0/8 st br	83301615 BlHm 613-0/5 st ta	9571950 PlcBl 825-0/6 st br
5059823 BlHw 631-0/13 st be	13669686 FdcCw(Hw) 835-0/14 st ta	83530263 BlPlc 611-0/5 br sl	96052853/L Bl(Plc) 936-0/5 st GJ11
5758694 ta	13750687 FdcEpCw(Plc) 733-0/15 st ta	83720294 Bl(Sx) 835-0/11 st	9641082 Ep(PlcBlFdc) 422-0/8 ta sl
6151684 BlH(SPlc) 834-0/10 st	13758509 ta	83741699 Bl(PlcHm) 821-0/8 he sl	96580052 HwBEpS(Fdc) 735-0/13 st
6259102 BlS(Plc) 834-0/8 st bl	13789295 HwFdcBl 737-0/13	84400357 BlH(S) 630-0/14 st pl	96849878 BlHw 420-0/14 st
6871666 ta	13791882 FdcPl(cBl) 410-0/4 ta	84621771 BlHm(Plc) 835-0/8 st	97109424 BlH 423-0/12 st
7423160 HwB(Plc) 837-0/11	13947040 BlHm(Plc) 512-0/6 br sl	84950752 SxB 846-0/12 st	97143210 HwB(Cw) 947-0/12
7453236 HwB(PlcCw) 846-0/13 st	13989723 FdcBlPlcCw 322-0/13 st ta	85420519 SAcPl(cBl) 732-0/11 rs sl	97872371/L BlPlc 721-0/5 ta sl GJ11
7592795/L BlS(HwPlc) 734-0/12 GJ11	14120289 FdcCwEp(Plc) 422-0/15 br sl	85760590 AcPl(cSxBl) 436-0/20 st rs	97932954 Bl(Plc) 936-0/9 st
7841371/L Fdc(Plc) 520-0/8 br GJ11	1417917 PlcFdcH 723-0/7 br sl	86341319 mu	97981446 BlHS 845-0/14 st
7903261 HwB(Plc) 837-0/11	14239178 ta	86590854 PlcB(H) 624-0/8 br sl	98002203/L Bl(PlcH) 936-0/7 st GJ11
8543254 br	14276758 BlHm 623-0/9 st br	86849718 BlHm 835-0/7 st	98271163/L PlcBl 523-0/10 st br GJ11
8731350/L Plc(Bl) 521-0/10 br sl	14376904 BlHm 825-0/8 st	87540010 Bl 620-0/8 ta	98460271 HwFdcPlcEp 523-0/9 ta sl
9251421/L BlHPlc 834-0/10 st GJ11	14928496 BlHEpPl(cFdc) 723-0/8 br sl he	88270429 BlHwSAc 836-0/14 st	98650586 Bl 520-0/8 st
9252258/L FdcBlSPlc 724-0/10 st br GJ11	14931084/L PlcFdc(Bl) 721-0/8 br sl he	88501296 mu	99162582/L Bl(Plc) 834-0/8 st GJ11
9310292 Fdc 632-0/17 ta sl	14980490 AcSs(DrCwEp) 334-0/26 st	88611682 BlPlc 725-0/7 st	