BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
093D078

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.

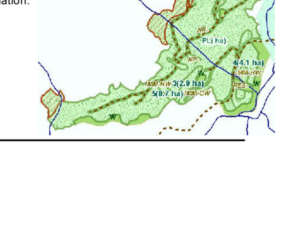
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

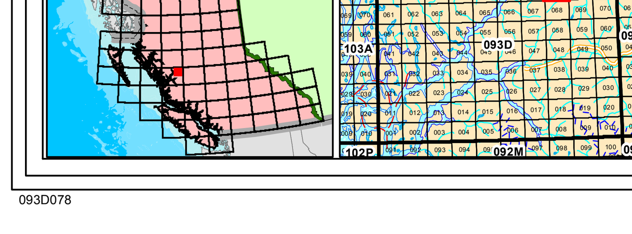
Example Opening History Details

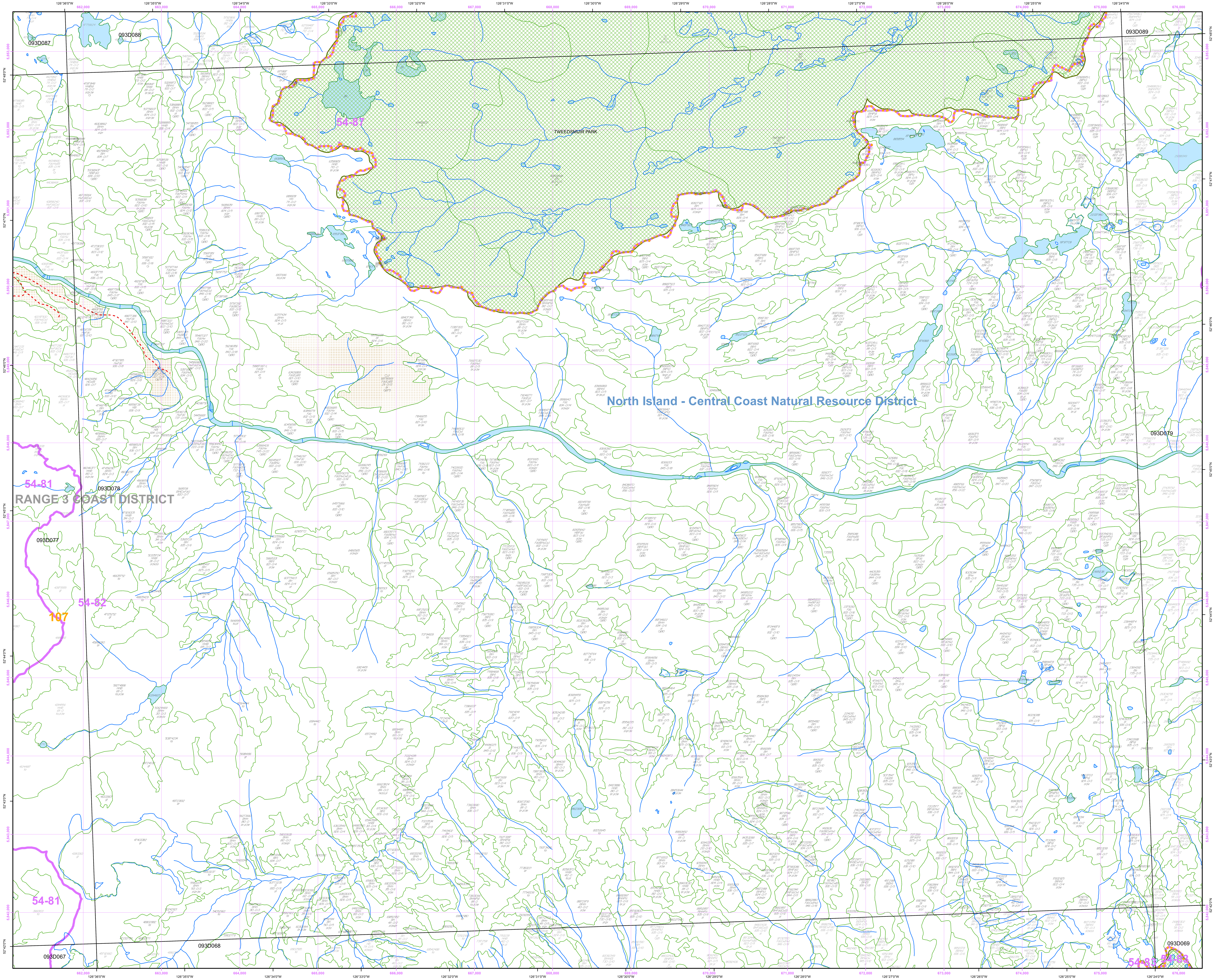
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

75874 FdcHw(CwSs) 854-0/24 rr,sl	23457910 Bl(Plc) 824-0/5 br sl he	51647237 Fdc(Cw) 520-0/12 es GB10	7416452 es
167016 BlH 811-0/2 br sl he GB10	23627034 mu sl	58136539 HwFdcCw 317-0/11	76092897 HmB 410-0 br sl
168044 BlH 824-0/4 sl he	23843628 B 820-0/3 sl he	54096750 HwDr(EpFdcAct) 327-0/19	77852773 BlHm 310-0 sl br
327543 Bl 921-0/4 sl he	23893068 B 921-0/3 sl he	54569249 BlH 825-0/5 sl	79502762 BlH 824-0/6 sl
735515 Fdc 833-0/16 sl he ta	23992810 BlHm 823-0/5 ta sl	55102779 br	79724711 B 831-0/9 st
2002823 Bl(SHPlc) 824-0/5 br sl	23997781 Bl(S) 944-0/13 st	55933343 BlHm 824-0/4 sl he	84957073 BlHm(Pa) 824-0/6 sl he
4328702/L PlB 831-0/15 GI11	24065271 Bl(PlcH) 725-0/8 sl he	56517753 HwDr(EpCwB) 821-0/8 st GB10	85144042 ta
4618386/L PlB 820-0/8 AF GI11	24199030/L Bl(HmPlc) 824-0/7 st GI11	57381768 BEp(FdcHw) 822-0/6 st GB10	85327682 BlHm 810-0/2 br sl he G
4918309/L Bl(HYc) 822-0/3 br sl he GI11	24334727 B 834-0/7 sl he	57495327 BlH 835-0/6 st	87607614 Bl 821-0/4 sl he
7672717 Bl 825-0/5 sl bl	24355220 B 834-0/7 sl he	58792807 ta	88602754/L BlHm(Plc) 835-0/9 st GI11
8337775/L Bl(HPlc) 823-0/5 br sl he GI11	24362880 BPa(Hm) 924-0/2 sl he	59192794 br	89377650 Bl(H) 821-0/3 sl he
8748573 BlH 822-0/3 sl he	24392775 BlHm 512-0/5 sl he br	60263077 Bl(Hm) 836-0/8 sl	90294609 BlHm 830-0/5 sl he
9318582 BlH 823-0/3 sl he	24405763 Fdc(HwCwB) 845-0/19 sl GB10	60679279 BlHm 712-0/4 sl	92678209 Pl(B) 833-0/15
10252737 Bl(HS) 936-0/9 sl	24413850 BPa 925-0/2 sl	62113363 Bl(H) 837-0/7	92804242 BlHm 425-0/11 sl he
11512861 BlHCw 610-0/5 ta sl	24414642 B 843-0/11 st	62165772 Bl 830-0/8 st GB10	93043150 BlH 210-0/12 sl he
12392750 BlH 624-0/8 sl br	24467874 BlS 935-0/8 sl	62589167 A	93307624 BlH 923-0/3 br sl he
12412724 BlH 411-0/4 ta sl bl	24679042/L Bl(PlcH) 721-0/6 br he GI11	63742772 ta	93347943 BlH 822-0/3 sl he
12868525 Bl(H) 825-0/5 sl	45617660 FdcCwHw 946-0/19	64142779 BlH 510-0/6 sl ta he	93416693 ta
14495437 FdcHw(CwBaSs) 833-0/15 br sl he GB10	45648621 FdcHw(B) 835-0/14 br G	64573506 st he	93944886 BlH 830-0/11 st GB10
14927945 Bl(EpH) 822-0/4 br he	45778088 FdcHw 834-0/16 br	64623713 BlHm 415-0/5 sl	94388108/L PlB 831-0/15 GI11
18666808 Bl(Ss) 734-0/11 st GB10	45847890 Fdc 833-0/14 ta	66093455 st he	95453372 BlH 210-0/12 sl he
21808058 Bl 930-0/8 st ta he	45888809 BlHm 821-0/5 ta	66122749 sl he ta	97514250 Bl 831-0/9 st
22053990 BlH 821-0/3 br sl he	46027479 HwFdc(Cw) 937-0/10	67256449 Fdc(CwEpHw) 845-0/19 GB10	99788057/L Bl(Pl) 830-0/8 AF GI11
22082713 br	47232790 ta	68567775 A	
22122753 ta	48662771 ta	68656269 HwFdc(CwSs) 845-0/18 st	
22329736 Bl(Hm) 712-0/3 sl he ta	48816844 H(FdcCw) 821-0/7 ta sl he	68657964 A	
22477039/L Bl(Plc) 722-0/7 br he sl GI11	49939542 HwB(Fdc) 822-0/6 br sl he GB10	68742764 ta	
22647794/L Bl(HPlc) 834-0/10 br sl he GI11	50786847 FdcHw 946-0/16	69692821 br	
22927285 Bl(PaPlc) 724-0/9 br sl he G	51097414 FdcHw(Cw) 855-0/22 GB10	71683289 BPaHm 824-0/3 ta sl he	
23277837 BlH 310-0/10 sl he	51105448 ta	72563099 HmBl 518-0 sl ta	
23335178 BaH 720-0/5 sl he	51446441 HwFdc 310-0/3 br sl he	73063364 BH 714-0/4 sl he	