Vegetation Map

092F075

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:

LINE DESCRIPTION

○12
123/L
Fd(Hw)
211-20
he,sl
GL78

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 available 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)	4b HEIGHT CLASS CODE	LIMITS (metres)	4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
1	1-20	1	0.1 - 10.4	0	0 - 5
2	21-40	2	10.5 - 19.4	1	6 - 15
3	41-60	3	19.5 - 28.4	2	16 - 25
4	61-80	4	28.5 - 37.4	3	26 - 35
5	81-100	5	37.5 - 46.4	4	36 - 45
6	101-120	6	46.5 - 55.4	5	46 - 55
7	121-140	7	55.5 - 64.4	6	56 - 65
8	141-250	8	65.5 +	7	66 - 75
9	251 +			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 are not 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.

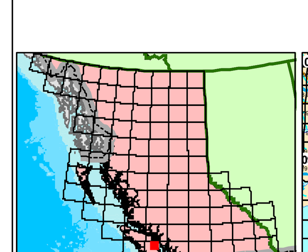
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

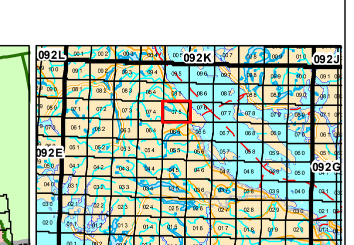
Example Opening History Details

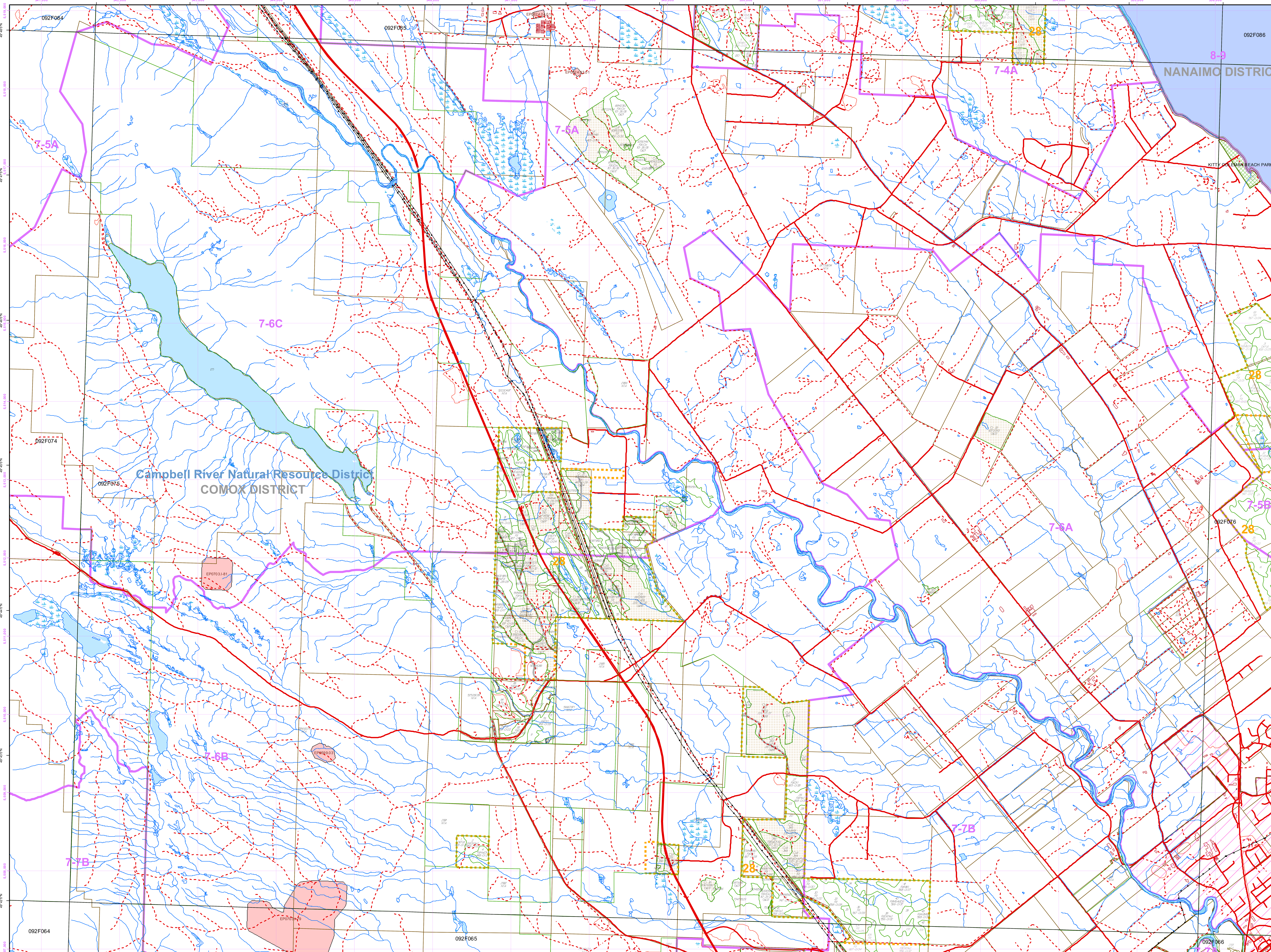
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

3 Dr(Fd) 438-0/25	101 Fd 447-0/29	○ 24 55398967 Fdc(Hw) 445-0/32	○ 524 63859335 Fdc 11-34/34 GU12
5 Dr(Fd) 449-0/29	111 Fd(Dr) 457-0/34	○ 24 55438894 Fdc 11-46/46 GU03	○ 525 64369251 Fdc 11-34/34 GU12
8 Dr(Fd) 438-0/22	116 Dr(Fd) 448-0/26	○ 24 55729071 Fdc(Hw) 445-0/32	68559564 Fdc 11-36/36 GU03
9 Dr 448-0/29	117 Fd(Dr)(Ac) 555-0/33	55738865 Fd 447-0/29	71396586 Fdc 11-34 GU08
10 NPBR	118	55969512 Dr(Mb)(Fd) 438-0/25	73476529 FdcCw 11-35/35 GU07
11 Dr 448-0/29	120 Fd(Dr) 555-0/31	55989876 FdcDr(Hw) 455-30/33 GU00	74346598 GU07
12 FdDrHw 445-0/31	121 Dr(Mb) 438-0/23	56509877 Dr(Fd) 448-0/26	75096642 GU07
14 Fd 548-0/26	123 Dr(Mb) 438-0/23	○ 523 57409915 Fdc 11-36/36 GU12	75346462 GU07
20 Fd(Sw)(Ac) 665-0/38	124 FdDr(Mb) 557-0/33	57668918 Fd 562-0/39	75466639 Fd 548-0/26
21 Fd(Dr) 667-0/38	○ 15 202 AcDr 221-26/26 GU91	57819938 Mb(Dr)(Hw) 112-29/29 GU00	○ 522 86548900 GU12
23 FdDr 666-0/37	○ 1 229 CwFd(Bg) 220-29/29 GU84	58029939 Fdc 455-29/34 GU00	
25 Fd 557-0/30	○ 16 305 Fd 455-0/37	58138861 NCBR	
28 Dr(Fd) 538-0/25	○ 18 349 AcDrCw(Bg)(Ss) 220-28/28 GU92	58168490 DrFd(Cw) 438-0/22	
31 Dr 548-0/27	○ 2 384 AcCw(Bg) 210-18/18 GU88	58278093 Fd(Dr)(Ac) 556-0/34	
32 Fd 667-0/34	○ 2 386 AcBg(Cw) 210-18/18 GU88	○ 528 58358370 Fdc 112-34/34 GU08	
34 Dr(Fd) 538-0/21	○ 8 388 CwPwBg 220-23/23 GU87	59092310 Fdc(Cw) 113-32/32 GU03	
35 Fd 548-0/25	○ 3 501 FdDr 110-27 GU88	59279534 Dr 448-0/26	
37 Fd 548-0/25	○ 3 502 BgCw 210-23/23 GU88	59308945 Fd 562-0/39	
39 Dr(Fd) 548-0/27	○ 3 505 AcDr 210-18/18 NSR GU88	59388699 FdDr 458-0/33	
42 FdDr(Hw) 556-0/32	○ 9 541 DrCw(Fd) 220-23/23 GU87	59698624 Fd 466-0/38	
44 FdDr(Mb)(Hw) 456-0/38	53679160 Fd 447-0/29	60458739 FdDr 458-0/33	
47 FdCwDr 444-0/31	53729886 Dr(Mb)Fd 449-0/28	60539158 FdcCw 454-33/34 GU01	
49 Fd 458-0/38	○ 527 53879164 FdcPw 111-34/34 GU03	60552087 NTA	
53 Dr 438-0/24	○ 24 53999227 Fdc 111-46/46 GU03	60702424 Fdc(Cw) 113-32/32 GU03	
55 Dr 338-0/22	54118472 FdHw 438-0/20	60871190 Dr 448-0/26	
56 Fd(Dr) 457-0/33	○ 527 54189257 FdcPw 111-34/34 GU03	61186788 NCBR	
58 Dr 338-0/22	54268714 FdDrHw 447-0/27	61389038 FdcCw 454-33/34 GU01	
59 Dr(Fd) 438-0/24	○ 24 54269172 Fdc(Hw) 445-0/32	61659192 Fd 567-0/34	
68 Fd(Dr) 457-0/33	54449644 Dr 449-0/28	62142142 Fdc(Cw) 113-32/32 GU03	
69 DrCw(Fd)(Hw) 434-0/19	54459870 Vb(Bg)Cw(Fdc) 113-24/24 GU97	62379122 Fd 458-0/38	
71 Fd 447-0/27	54488403 Fdc 112-37/37 GU00	62442132 Fdc(Cw) 113-32/32 GU03	
81 FdDr 566-0/38	○ 527 54618984 FdcPw 111-34/34 GU03	○ 526 62728881 Fdc 111-34/34 GU04	
90 Fd(Hw) 438-0/23	○ 24 54919041 Fdc(Hw) 445-0/32	○ 529 63279010 GU03	
97 Fd 447-0/29	55119738 CwDr(Fdc) 112-24/24 GU97	63312037 Fdc(Cw) 113-32/32 GU03	
98 DR	55119811 Dr 449-0/28	63409253 Fd 567-0/34	
100 FdDr(Mb) 457-0/38	○ 24 55279068 Fdc 111-50/50 GU03	63651981 Fdc(Cw) 113-36/36 GU02	