Vegetation Map

092F038

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:

○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   DDDK - 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 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 graminoids > 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 COMMERCIAL 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.

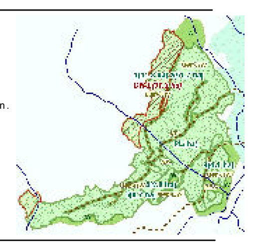
A Animal Damage, B Wildfire, C Cone and Seed Insects, D Diseases, I Insects
L Logging, M Mite Damage, N Non-Biological Injuries, P Cone and Seedling Fungal Pathogens
R Site Rehabilitation, T Treatment Injuries, U Damage Unknown, V Problem Vegetation

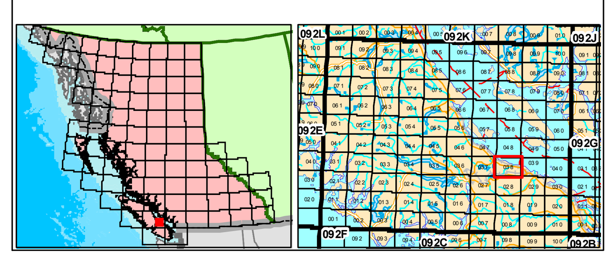
Example Opening History Details

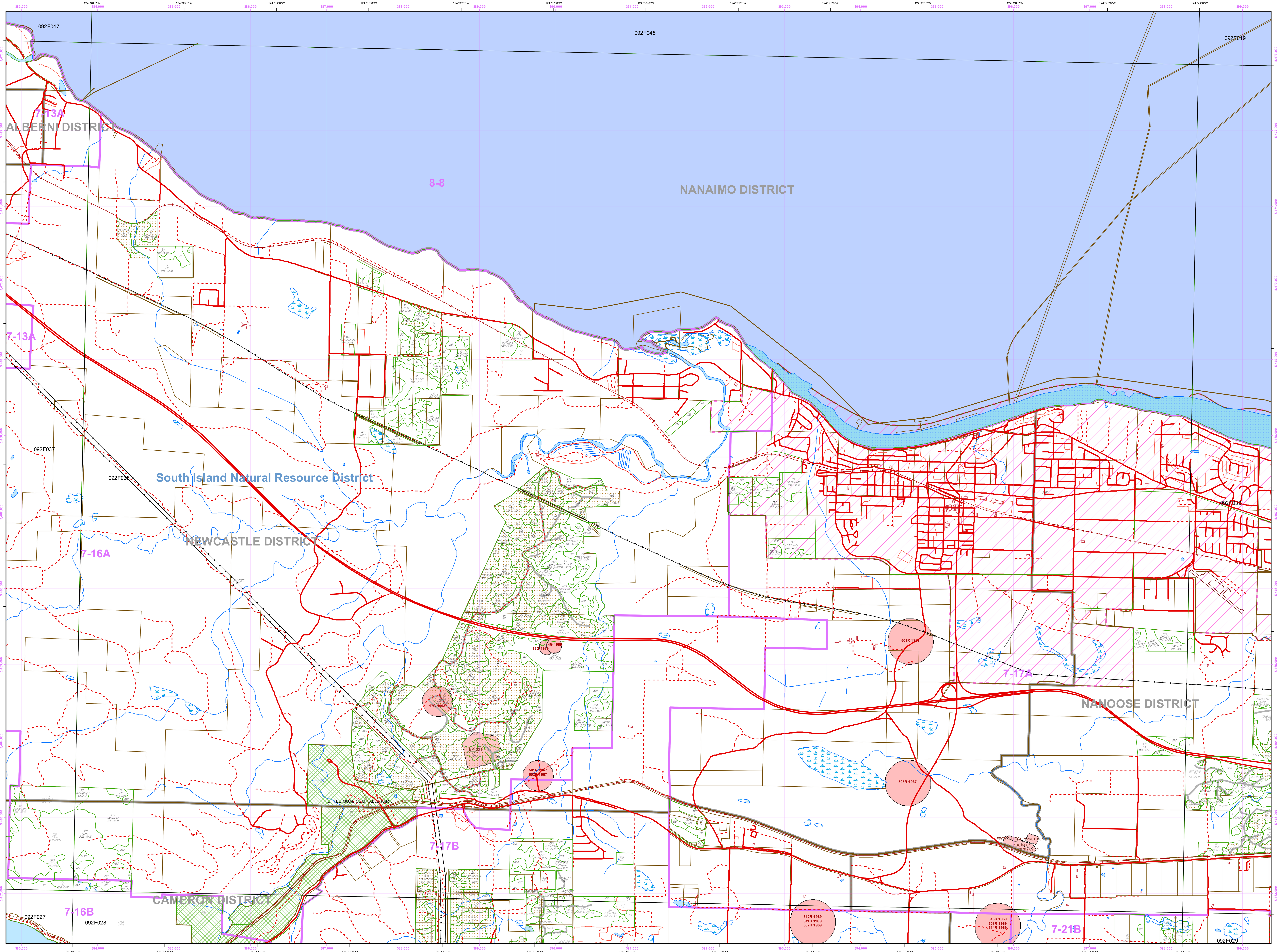
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

1 Fd 548-0/26	○15 62 Fd(Pl) 736-0/13	353 PlFdCw 437-0/18	○7 426 Fd 736-0/13	○24 493 CwSsDr(FdHw) 221-23/23
○20 3 Fd(Hw) 766-0/30	63 FdDr(Hw) 667-0/32	○25 356 FdPl 636-0/18	428/L FdPl 735-0/13	494 Fd 836-0/17
○20 4 Fd 548-0/26	101 FdCw(Hw) 866-0/29	○32 357/L PlFd 435-0/18	431/L FdHw(Pl) 737-0/15	495 FdHw(Pl) 836-0/15
6 Dr(Fd) 536-0/24	102 Fd(DrCw) 557-0/32	○32 359/L PlFd 435-0/20	433 FdPl 737-0/17	501 CwDrFd(Hw) 547-0/27
8 Fd(Hw) 756-0/25	103 FdHw 557-0/33	○32 363 PlFd 435-0/20	436 HwFd 436-0/19	505 Dr(Fd) 538-0/23
10 Fd(HwCw) 756-0/25	292 MbDrFd(CwHw) 447-0/26	○25 364/L FdPl 434-0/22	○9 438 FdPlHw 436-0/22	507 FdCw(DrHw) 666-0/32
11 FdHwCwSs) 747-0/21	○25 296/L FdPl 434-0/22	365 FdDr 447-0/26	439 FdCwHw 635-0/15	509 DrFd(Cw) 436-0/24
13 FdHw(Ss) 856-0/23	○12 298 FdCw(PlPw) 211-20/20 G1B6	○4 368 DrFdPl 437-0/25	○9 440 FdSsHw 666-0/31	512 DrFd(Hw) 448-0/26
14 Dr(Cw) 448-0/26	○12 299 FdPwPl 221-25/25 G1B7	○4 369 PlFd 434-0/20	○9 442 FdHw 657-0/30	516 HwFd(Cw) 656-0/27
15 FdHwCw 447-0/24	○13 300 DrFd 438-23/23	370 Fd 746-0/23	443 Fd 637-0/20	518 DrFd(Hw) 546-0/26
20 FdPlHw 526-0/14	303 DrFd 437-0/23	○4 371 PlFd 433-0/18	○29 444 Fd(PlHwCw) 536-0/16	523 DrFd 447-0/26
○36 21 FdPlHw 321-18/18	○2 304 Fd 447-32/32	○32 373/L Fd 742-0/23	445 FdHw(Pl) 536-0/16	530 Dr(Fd) 327-0/17
23 Fd(Pl) 426-0/14	○2 306 FdPl 446-32/32	○28 379 Fd(Bg) 210-15/15 G1B9	446 FdPl 426-0/14	532 Dr(Fd) 448-0/26
24 FdHwCw 436-0/22	310 U	○4 384 FdPl 445-0/24	448 PlFd 636-0/17	613 FdHw 222-18/18
25 PlFd 436-0/17	314 DrCwFd 437-0/22	387 Dr(FdHwCw) 438-0/21	449 Fd(Pl) 637-0/18	614 Fd 558-0/31
26 Fd(Pl) 436-0/17	316 FdHw(Dr) 447-0/30	○3 388 FdPl 435-18/18	454 CwHwFd 624-0/10	○2 3004 Fd 446-32/32
28 FdHw(Dr) 436-0/22	318 DrFdHw 438-0/22	391 PlFd(Hw) 435-0/17 G1B8	457 Fd(HwCw) 766-0/30	3007 HwDr 456-0/34
29 Fd(Dr) 447-0/25	321 CwHw 646-0/22	○3 393/L FdBg(Pl) 212-22/22 G1B8	462 Fd(CwHw) 656-0/25	○4 3012 FdPl 446-0/24
33 FdHwCw(Dr) 646-0/23	322 DrCwFdHw 438-0/22	○3 395/L FdCw(Pl) 222-22/22 G1B8	464 DrFd(CwHw) 437-0/24	○13 3017 Fd(Dr) 467-0/39
35/L FdHw 864-0/23	325 Hw(CwSsFd) 456-0/33	○3 396 PlFd 433-0/23	465 FdPl(CwDr) 436-0/20	○8 3018 Fd(Dr) 467-0/39
36 PlFd 526-0/12	326 Dr(MbCwHwFd) 447-0/26	○1 397 FdPl 447-0/29	466 FdCwHwDr) 645-0/21	17960666 FdCw 646-0/21
37 FdHw(SsCw) 846-0/19	327 HwDr(CwFd) 457-0/31	○25 398 FdPl 537-0/18	○18 468 PwHw(FdDr) 212-12/12 G1B8	1980653 FdPl 436-0/19
38 FdPlCw 536-0/19	328 DrMb(FdHw) 448-0/26	○37 400 Pl(Fd) 426-0/15	469 FdDr(Cw) 557-0/30	19710806 Fd(Cw) 656-0/27
39 CwFdHw 746-0/18	330 MbDrFd(CwHw) 447-0/26	403 DrFd(Pl) 437-0/18	○8 470 PwCw 210-22/22 G1B9	
40 U	331 HwCwSs(Dr) 456-0/32	407 FdPl 426-0/13	○4 472 Fd 211-15/15 G1B5	
42 PlFd(HwCw) 535-0/16	332 HwFdDr(Cw) 456-0/31	410 Dr 448-0/30	○4 473 CwFd(PwHw) 211-15/15 G1B5	
43 FdCwPl(DrHw) 536-0/17	333 DrFd(Hw) 438-0/22	○33 411 FdHw 755-0/25	○21 475 DrFdHw 437-0/18	
44 Pl(Fd) 535-0/16	335 Fd(HwDr) 457-0/33	413 PlFd 427-0/10	476 FdPl 537-0/19	
46 U	336 DrFd 438-0/22	414 Dr(Fd) 448-0/28	480/L FdHw 222-18/18	
○8 50 Fd 110-27 G1B9	338 FdCwHwDr) 456-0/33	○22 415 FdSsHw 766-0/31	481 Fd 736-0/13	
51 Dr(Cw) 438-0/18	342 FdHw(PlDr) 457-0/33	○15 416 Fd(Pl) 736-0/13	483 Fd 722-0/11	
52 DrFd(CwHw) 438-0/21	○8 345 PlFd 436-0/20	○37 417 Fd 636-0/17	484 Fd(Pl) 835-0/13	
54 DrFdCw 434-0/18	○8 346 Fd(PlDr) 447-0/30	421 FdCw(Pl) 736-0/15	485 FdHw 325-18/18	
○12 58 FdPw(PlCwHw) 221-25/25 G1B7	○8 347 Fd(Dr) 467-0/39	○8 422 FdCw(Dr) 747-0/22	487 FdCw 836-0/13	
○12 59 FdPw(PlHw) 221-25/25 G1B7	○8 348 DrFd 438-23/23	○8 423 FdPl 736-0/13	○18 491 DrCwHw(Ss) 222-23/23 G1B8	