BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092F030

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
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 *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 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 COMERCIAL BRUSH
NP NON PRODUCTIVE
NSR NOT SUFFICIENTLY RESTOCKED
NTA NO TYPING AVAILABLE

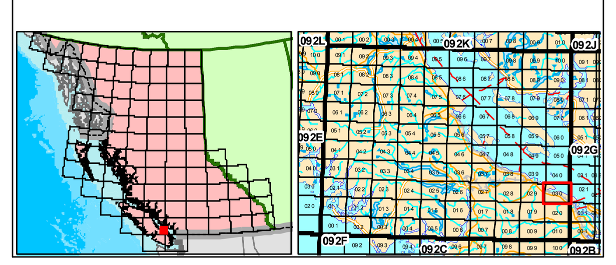
Line 6 - Disturbance History
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

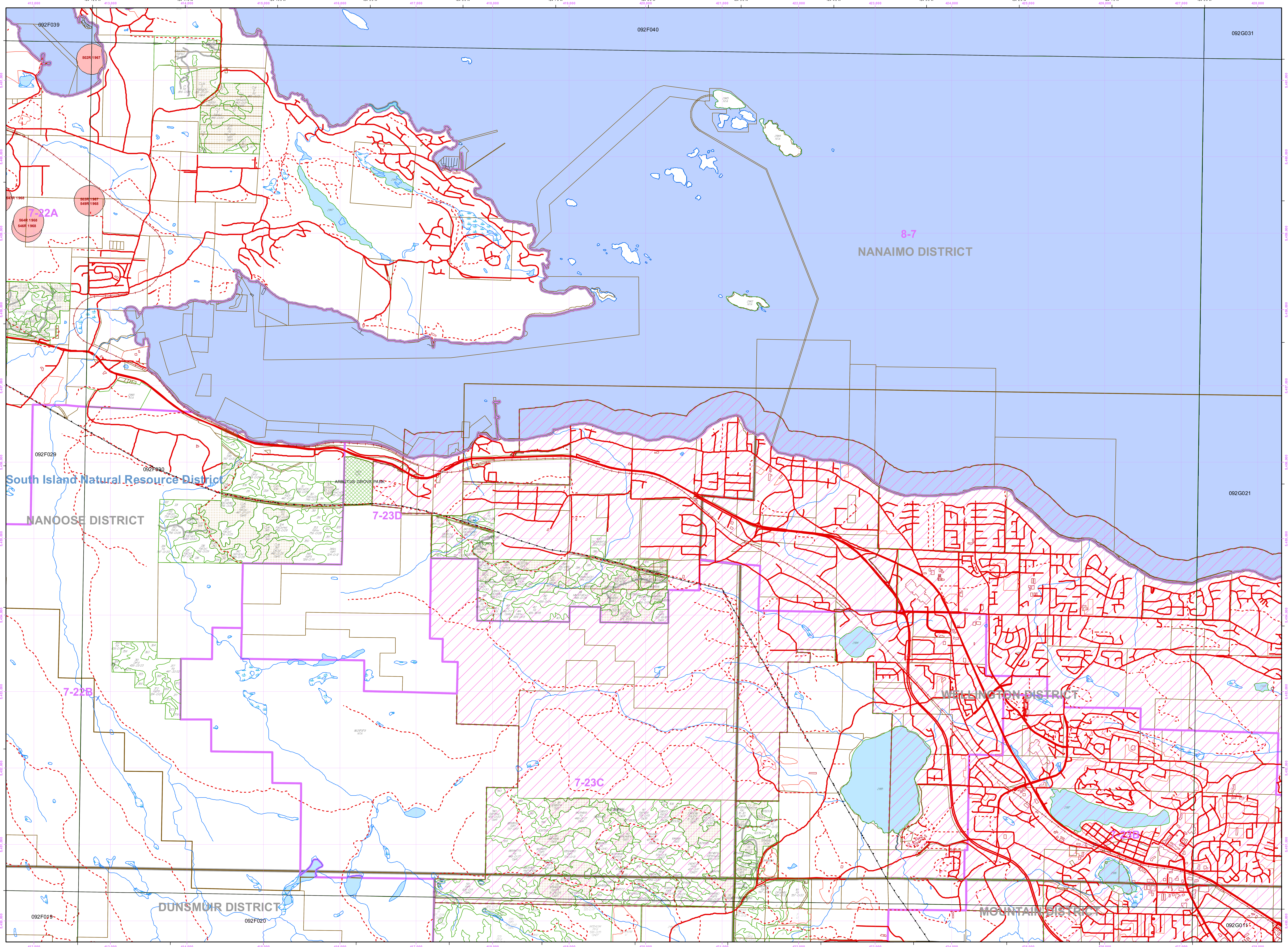
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

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 427-O/12	318 DrMb(Fd) 438-O/25	375 Fd(Pl) 645-O/20	374528 FdcDr 111-24/24 GL06	93866859 Fd(CwDr) 447-O/26
4 DrFd(Cw) 436-O/18	319 FdBCw 766-O/34	376/L FdPl 335-O/22	1244729 FdPl 638-O/15	95024681 FdPl 726-O/13
6 Fd 834-O/16	320 FdPl 526-O/13	386 MbDr(Fd) 448-O/27	1265092 FdDr(Cw) 457-O/38 GL38	95326896 Fd(CwDr) 447-O/26
○1 7 FdCw(Dr) 846-O/21 GL58	○22 327 GL82	390 DrMb(Fd) 438-O/24	2174614 Fd(Dr) 446-O/27 GL40	95495096 FdPl 438-O/19 GL38
○11 10 Fd 844-O/19	○22 328 Fd(CwDr) 447-27/27	393 DrMb(Fd) 437-O/19	3674965 Fd 536-O/22 GL38	95694558/L FdPl(Dr) 427-O/13 GL40
○11 14 FdHw 856-O/22	331 DrMbCwFd 448-O/26	394 FdCwMb(Dr) 747-O/22	4364743 Fd(Pl) 438-O/20 GL40	○23 95796729 FdCw(Dr) 746-O/24
15	332 Fd(Cw) 746-O/22	395 Fd 447-O/26	○86 5524608 Fdc 111-28/28 GL01	96264640 Fd 536-O/19
○11 17 Fd 747-O/22	338 Fd 747-O/19	397 Fd 435-O/24	6054938 Fd 557-O/32	96415200 Fd 444-O/32 GL38
18 Dr(Fd) 445-O/26	339 DrCwFd 448-O/26	399 Fd(Dr) 447-O/26	6064580 Fd(Mb) 556-O/32	96437072 U
20 FdHw 436-O/22	○21 340 NSR GL82	401 Fd 457-O/31	6205024 Fd 547-O/27	96615186
23 Fd 447-O/25	○21 341 Fd(Cw) 457-O/33	402 DrFd 426-O/16	○27 6335120 Fdc(Cw) 555-O/32 GL04	97184572 Fdc 111-24/24 GL06
24 Dr 438-O/24	344 FdCw(Dr) 747-O/24	405 FdCw(Dr) 546-O/25	6534701 GL12	97256843 Dr(Fd) 438-O/24
25 MbDrFd 448-O/26	○14 345 FdDr(Cw) 458-O/33 GL43	413 Fd 834-O/13	6684638 GL12	○24 97386971 FdCw 546-O/25
○4 27 CwFdDr 544-O/22 GL71	○15 346 Fd 457-O/35 GL43	418 FdDr 447-O/30	6734583 U	97624529 Fd 536-O/19
28 FdB(Cw) 746-O/22	350 FdDr(Mb) 447-O/25	500 FdDr(Cw) 634-O/19	6794623 Fd 551-O/34	97765057 Fd 448-O/27 GL41
31 DrMb(Cw) 437-O/23	351 Fd 535-O/18	506 HwFd(Cw) 657-O/26	6864887 FdPl 547-O/25	98634522 Fdc(Dr) 111-24/24 GL06
32 FdCw(Dr) 447-O/26	352 FdPl 524-O/14	514 Pl(Fd) 538-O/14 GN27	○27 7085235 Fdc(Cw) 555-O/32 GL04	98914583 Dr 449-O/28
○15 35 FdCw(B) 756-O/29	356 R	523 Pl(Fd) 538-O/14 GN27	7174793 Fd 557-O/32	98956916 FdCw(Dr) 556-O/31
36 DrMbBg(Cw) 435-O/26	357 Fd 646-O/21	530 Hw(Cw) 429-O/10 GL44	7244817 GL12	○24 99181980 FdCw 546-O/25
37 FdDr 356-O/38	358 PlFd 435-O/18	532	7324675 Fd 567-O/34 GL40	99668815/L Fd 833-O/15
46/L FdDr 842-O/20	359 FdDr 448-O/31	534 Fd 447-O/30	○10 7625206 FdDr 554-O/29 GL74	99944523 FdPl 738-O/14
47 FdPl 547-O/28	360 PlFd 436-O/22	538 PlFd 429-O/12 GL39	8652233/L Fd(CwBgDrPl) 220-27/27 GL74	
○2 48 NSR GL95	362/L PlFd 435-O/17	539 PlFd 438-O/20 GL38	8330752 DrMbBg(Fd) 436-O/25	
125 FdDr 647-O/21	363 Fd 646-O/20	543 Pl 439-O/19 GL38	84827339 U	
126 Fd(Hw) 956-O/22	364 DrFd(Pl) 426-O/17	544 FdPl(Hw) 539-O/16 GL38	85117213 Dr 222-23/23 NSR	
148 U	365 Fd(PlCw) 646-O/23	546 FdDr 455-O/35 GL38	85587202 Dr 222-23/23 NSR	
158 FdDr 538-O/22	366 FdPl 436-O/23	547 Pl 439-O/20 GL38	85677245 GL13	
162 Dr(FdMb) 448-O/26	367 Fd 645-O/23	559 Pl 429-O/12 GL40	86227197 Dr 222-23/23 NSR	
○15 303 FdBCw 877-O/36	368 Fd 436-O/20	568 Pl 429-O/12 GL40	86227246 FdDr(BgMb) 556-O/32	
306 Fd(Dr) 747-O/23	369 PlFd 436-O/19	571	86236885 MbFdDr(Cw) 536-O/25	
308 FdCw(B) 746-O/22	370 Fd 533-O/20	574 HwPlFd 736-O/12	90214559 PlFd 538-O/15	
○5 309 Fd 447-O/26 GL72	371 FdPl 557-O/31	576 Pl(Fd) 539-O/14	90975114 Fd(Pl) 426-O/10 GL38	
315 FdDrB 447-O/29	373 Fd 433-O/22	577 Fd 448-O/27 GL41	92504651 FdPl 726-O/11	
316 MbDrCw(Hw) 447-O/26	374 DrFd(Pl) 436-O/20	578 HwPl(FdCw) 637-O/13 GL44	93794537 PlFd 827-O/11	