Vegetation Map
092L019

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
- 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)	4b HEIGHT CLASS CODE	LIMITS (metres)	4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
				0	0 - 5
1	1-20	1	0.1 - 10.4	1	6 - 15
2	21-40	2	10.5 - 19.4	2	16 - 25
3	41-60	3	19.5 - 28.4	3	26 - 35
4	61-80	4	28.5 - 37.4	4	36 - 45
5	81-100	5	37.5 - 46.4	5	46 - 55
6	101-120	6	46.5 - 55.4	6	56 - 65
7	121-140	7	55.5 - 64.4	7	66 - 75
8	141-250	8	65.5 +	8	76 - 85
9	251 +			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.

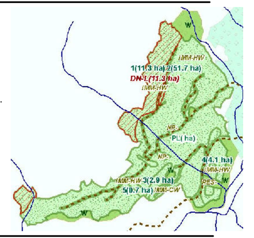
A Animal Damage, B Wildfire, C Cone and Seed Insects, D Diseases, I Insects
L Logging, M Mite Damage, N Non-Biological Injuries, P Cone and Seedling Fungal Pathogens
R Site Rehabilitation, T Treatment Injuries, U Damage Unknown, V Problem Vegetation

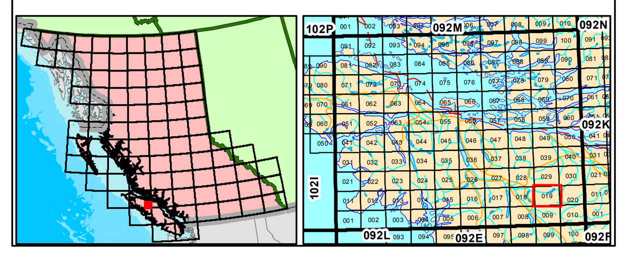
Example Opening History Details

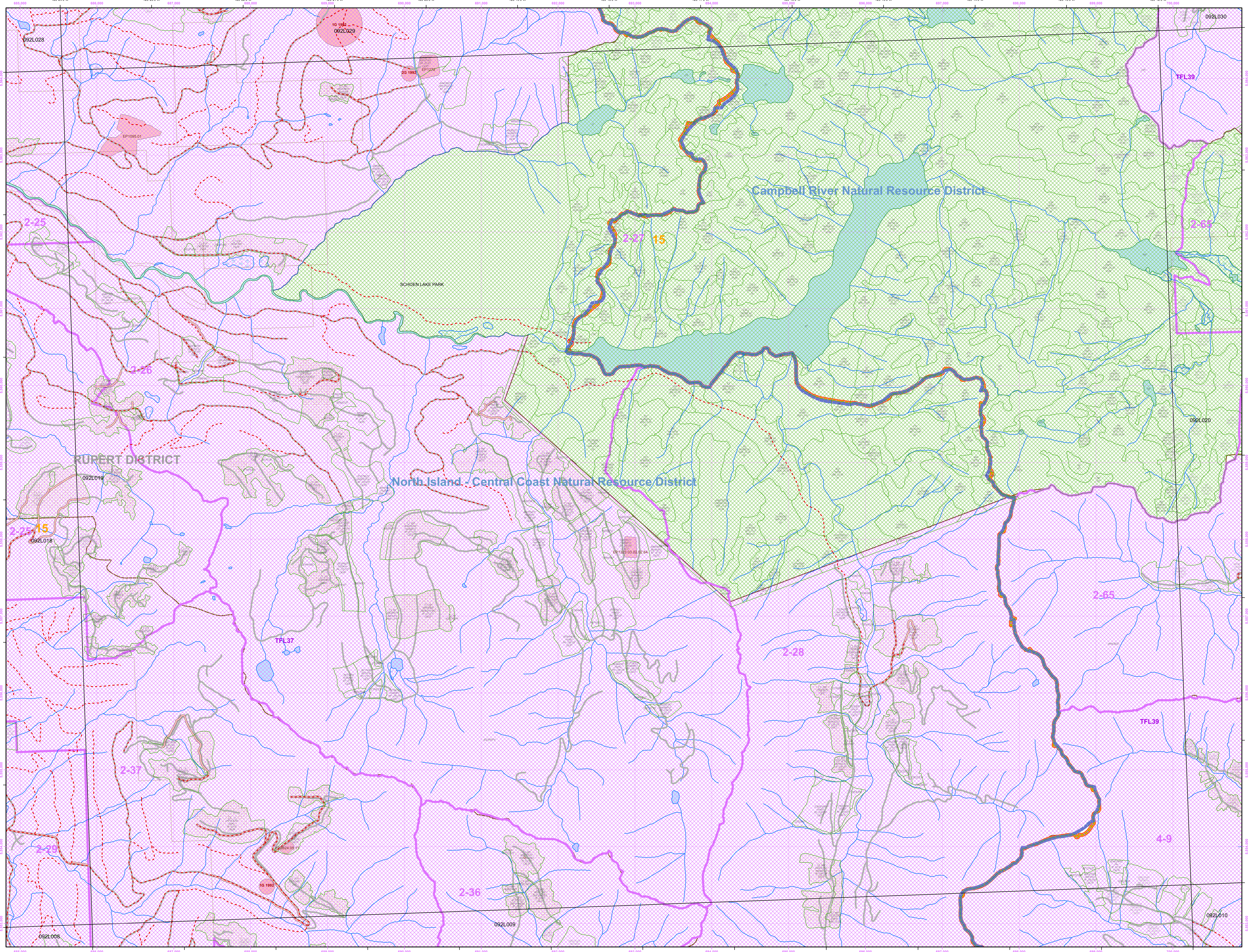
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

1 HmYc 926-O/2 br sl by	206 HwBa(Yc) 414-O/7 st tf	35196266 BaHw 111-27/27 GL96	73252947 HwBa(Cw) 957-28/17
2 HmYc(Ba) 936-O/5 sl by	207 HwBaCw 322-O/17 st tf	35483998 HwBaYc 114-28/28 GL97	73353044 Hw 112-28/28 GL00
3 HmYc 410-O/3 ta tf	230 HmBaYc 946-O/7 sl he by	35566235 BaYc(Hw) 111-28/28 GL96	73423599 HwBaCw 112-28/28 GL03
4 HmYc 926-O/3 br sl by	236 ta he by	35684931 YcBaHw(Hm) 113-26/26 GL96	○ 160 73584019 FdcBaCw(Hw) 111-35 GL09
5 YcHmBa 810-O by ta sl he	239 Pl(Cw) 426-O/14 by pr	○ 156 35959552 HwYc(Hm) 946-O/11	73753803 HwBa 857-28/19
11 HmYc 410-O/3 ta tf	241 HmYc(Ba) 921-O/3 br he by	36974250 HwBaYc 111-30/30 GL97	74044500 HwBa 223-31/31 GL95
14 HwBa(Yc) 414-O/7 st tf	242 CwHw(Ba) 956-O/20 by	37134029 HwBaYc 114-28/28 GL97	74314712 HwBaCw 223-31/31 GL95
20 HwBa(Yc) 411-O/4 pn tf st	243 by br sl he	37294268 YcBaHm 114-8/8 GL97	74503927 Hw 114-28/28 GL00
25 HmYc(Ba) 933-O/4 sl he by br	244 HmYc 932-O/4 sl ta by	○ 139 38385160 BaHwYc 846-O/15	74944613 HwFdc(Cw) 223-30/30 GL95
29 HmYc(Ba) 921-O/3 br he by	245 HmYc(Ba) 923-O/2 br by	○ 141 43274684 BaHwYc 846-O/15	75064334 HwBaCw 223-31/31 GL95
31 ta he by	246/L Dr(HwCw) 235-30/30 tf st	○ 185 46882460 BaYcHw(Ba) 111-10/10 GL03	75303762 BaHw 857-30/18
43 HwBa(Yc) 951-O/17 st tf	252 HmYc 922-O/2 sl by he	○ 185 47072671 HwBaHm(Yc) 846-O/15	76883267 HwBaCw 857-28/19
49 HwCwBa 966-O/20 he st	255 HmYc 810-O/2 br sl by	47628143 HwBaCw(Yc) 212-24/24 GL97	77123253 HwBa 114-25/25 GL00
59 HwBa(Dr) 851-O/17 rs st tf	256 HmYc(Pl) 925-O/3 br sl he	○ 185 47922429 HwBaHm(Yc) 846-O/15	78103304 HwBa(I) 112-28/28 GL00
74 HwCwBa 222-32/32 tf sl es	257 HmBaYc 934-O/5 sl he br	49605406 HwBaYc 121-32/32 GL95	90252368 Hw 111-28/28 GL06
75 CwHw 634-O/18 st rs tf	258 HmYc 922-O/2 br sl he by	49808321 HwBa(Yc) 113-10/10 GL97	91272432 Hw 111-12/12 GL06
85 PlHwCw 422-O/9 br by	○ 159 17506331 HwYc(Ba) 945-O/11	50475222 HwBa(Cw) 114-28/28 GL99	93932369
88 PlHmYc 424-O/9 br sl he by	○ 173 19634535 GL10	○ 168 50885386 HwCw(Ba) 111-24/24 GL10	
92 HwBaCw 432-O/17 tf st	○ 159 19706192 HwYc(Ba) 945-O/11	52285724	
94 HmYc 913-O br by sl	○ 159 20066181 YcHw(Ba) 111-25/25 GL06	52994491 HwBa 114-30/30 GL97	
108 HwCwBa 326-O/12 st tf	20067067 HwFdc 855-30/21	○ 145 54155574 HwBaYc 847-O/15	
109 HwCwBa 324-O/16 ta st tf	20616924 HwFdc(Cw) 857-30/21	54174501 HwBa 114-30/30 GL97	
113/L Dr(HwCw) 235-30/30 tf st	23506530 HwFdc(BaCw) 112-28/28 GL04	55414952 HwBa(Yc) 847-27/18	
141 HmYcBa 313-O/5 st br tf	24297454	55685176 HwBa(Yc) 111-29/29 GL03	
151 HwBa(Cw) 942-O/14 hg sl	24886558 HwBaCw(Fdc) 946-29/14	55944002 BaHw(Cw) 856-27/22	
168 CwHw(Dr)(Ba) 745-O/22 rs	25815462 HwFdc(BaCw) 112-28/28 GL04	56805269 YcHw 111-6/6 GL03	
175 HwBaCw 840-30/12 tf	26667466	58203778 BaHw(Cw) 856-27/22	
180 HmYcBa 324-O/12 tf st ta	27945709	56615132 BaHw(Yc) 845-10/15	
186 HmYc 910-O by br sl	29715796	71133213 HwBa(Yc) 957-28/17	
189 br sl by	○ 155 34206101 HwCwBa 866-O/28	72263807 HwBa 856-30/19	
201 BaHwYc 946-O/12 sl he by	○ 137 34425326 YcHm 934-O/11	72793927 HwBa(I) 113-28/28 GL00	
202 HmBaYc 946-O/7 sl he	34974767 HwBa(Yc) 856-25/20	○ 164 73203437 BaHwCw(I) 111-29/29 GL10	