Vegetation Map

103I045

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
- Sivilculture 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)	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.

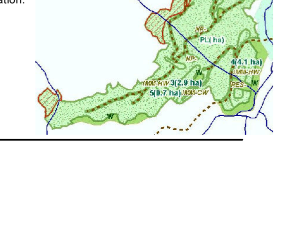
A Animal Damage, B Wildfire, C Cone and Seed Insects, D Diseases, I Insects, L Logging, M Mite Damage, N Non-Biological Injuries, P Cone and Seedling Fungal Pathogens, R Site Rehabilitation, T Treatment Injuries, U Damage Unknown, V Problem Vegetation

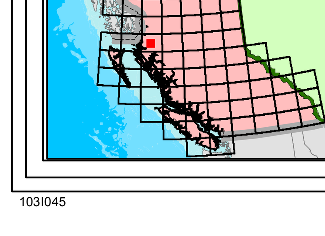
Example Opening History Details

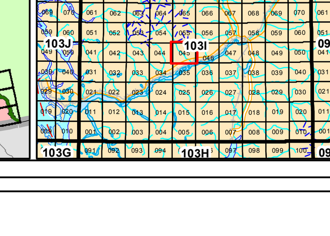
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

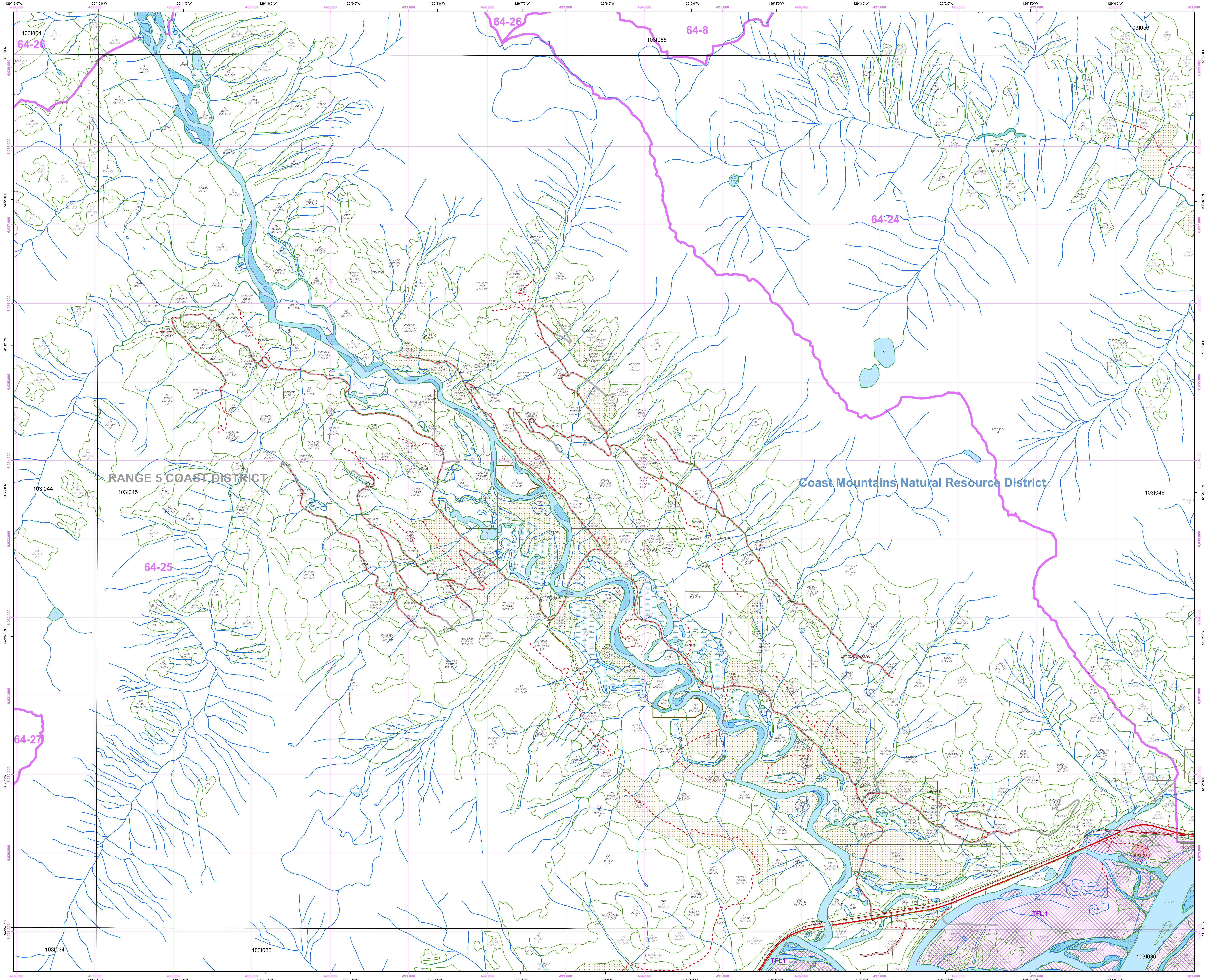
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH









Overflow Labels

28 HmBa 912-O AF	6240494 NP	35177314 Hw(SsBaCw) 826-0/7	98361440 HmBa 833-0/4
30 BaHm 934-0/6	○29 6689628 NSR GL95	36887530 Hw(SsCw) 849-20/17 GL02	○8 98430074 NSR GL71
41 BaHm 944-0/10	7139633 HwBa 223-23/23 GL95	37607359 HwBaCw 111-23/23 GL02	○17 99358679 HwBa 223-22/22 GL91
59 Hm 831-0/4 AF	7570284 HwBa 935-9/8	37917506 Hw(SsCw) 849-20/17 GL02	○ 46 99369285 HwSx(Act) 947-0/13
65 BaHw(Cw) 945-0/11	8360318 HwBa 935-9/8	38457534 HwBaCw 111-23/23 GL02	
84 SsHw(Ba) 955-0/15	8829749 HwBa 223-23/23 GL95	38567356	
89 Hw 832-0/10 AF	8838563	40467668 Hw(SsCw) 849-20/17	
105 Ba 956-0/13	9210071 HwBa 935-9/8	40617779 HwEp(SsCwAt) 846-0/14	
116 SsAc 851-0/22	9479796 BaHmHw 936-0/8	42301044 Hm 932-0/3	
146 B 921-0/2 AF	○6 9968701 AcDr(S) 334-28/28 NSR GL70	○13 42562624 BaHw 222-23/23 NSR GL75	
154 HwSs(Ba) 946-0/13	10659837 HwBa 935-9/8	○25 75271384 BaHw 211-23/23 GL93	
161 HwBa 943-0/14	10856789 BaHw(SxCw) 211-16/16 GL86	76260240 HwBa 933-0/8 AF	
197 HwBa 943-0/11	10969508 HwHm 955-0/17	○25 77808147 BaHw 211-23/23 GL93	
227 HwBa 955-0/14	12439695 HwBa 935-9/8	78270235 HwBa 945-0/12	
237 SsBaHw 965-0/21	12689229 HwBa(Cw) 945-0/12	79061349 BaHw 835-0/9	
267 Hw(CwBa) 945-0/12	○28 14409061 NSR GL95	79990396 HwBa 945-0/12	
307	○3 17448255 SDrAc 322-21/21 GL68	81170776 HwBa 945-0/12	
310 Dr 437-0/20	17966787 NPBR	○15 83500781 BaHw(Cw) 213-23/23 GL92	
330 HwCwBa 624-0/11	18008263 SsBaHw 965-0/21	○27 85050312 HwBa 211-22/22 GL93	
528 Hm(Ba) 921-0/2 AF	○37 18883044 NSR GL98	86169821 HwBa 958-14/20	
529 HB 823-0/6 AF	21167524	○15 86820635 BaHw(Cw) 213-23/23 GL92	
530 HB 823-0/6 AF	21686774 Ac(Dr) 456-0/35	87499572 HwBa 958-14/20	
531 A	○2 23547783 HwBa 323-22/22 GL87	87721786 HwBa 223-23/23 GL95	
536 Hm(Ba) 923-0/2 AF	26506759 Ac(Dr) 456-0/35	88259604 HwBa 958-14/20	
537 Hm 932-0/3	○ 45 27277780 GL07	88439647 HwBa 111-25/25 GL93	
539 Hw 943-0/12	27497495 HwBa(CwSx) 221-30/30 GL90	88839327 HwBa 958-14/20	
280616 HwCw 954-0/15	27707630 HwBa(CwSx) 221-30/30 GL90	89059706 HwBa 958-14/20	
471436 HmHw 945-0/6	28317282/L HwPl 623-0/8 GL11	89229386 HwBa 111-25/25 GL93	
938818 HwBa 213-23/23 GL91	29327657 HwBa(CwEpSx) 211-20/20 GL90	○15 89500410 BaHw(Cw) 213-23/23 GL92	
1258870 Hw(Cw) 954-0/14	30357610 HwCwBa 211-23/23 GL90	○ 30 91281340 HwBa 213-23/23 GL95	
1337959 HmHw(Ba) 945-0/6	31867586 HwBa(CwEpSx) 211-20/20 GL90	91289552 HwBa 958-14/20	
1541352 HmHw 945-0/6	○13 32847333 HwBa(CwS) 212-22/22 GL92	○ 20 91861130 HwBa 222-29/29 GL93	
1911130 HmHwBa 936-0/5	32877612 Hw(SsBaCw) 826-0/7	91909357 HwBa 958-14/20	
○ 48 2371116 BaHw 947-0/11	33717298 Hw(SsBaCw) 826-0/7	92240294 NP	
4209978 HwBa 223-23/23 GL95	35157422 Hw(SsCw) 849-20/17 GL02	95241468 HmHwBa 935-0/5	