BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

093D025

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 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 hybrid
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 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; rn RAILWAY SURFACE; rs RIVER SEDIMENTS; rz ROAD SURFACE; ta TALUS; tc 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

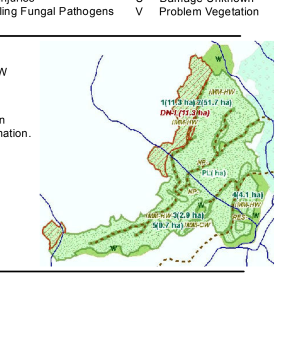
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

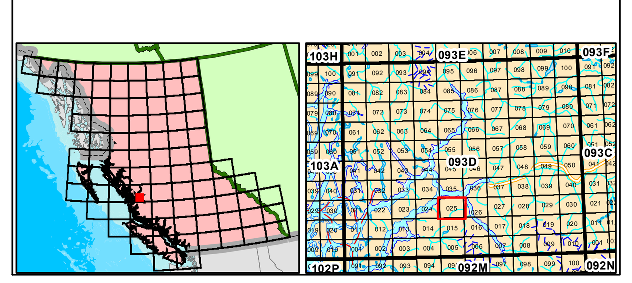
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects
L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens
R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

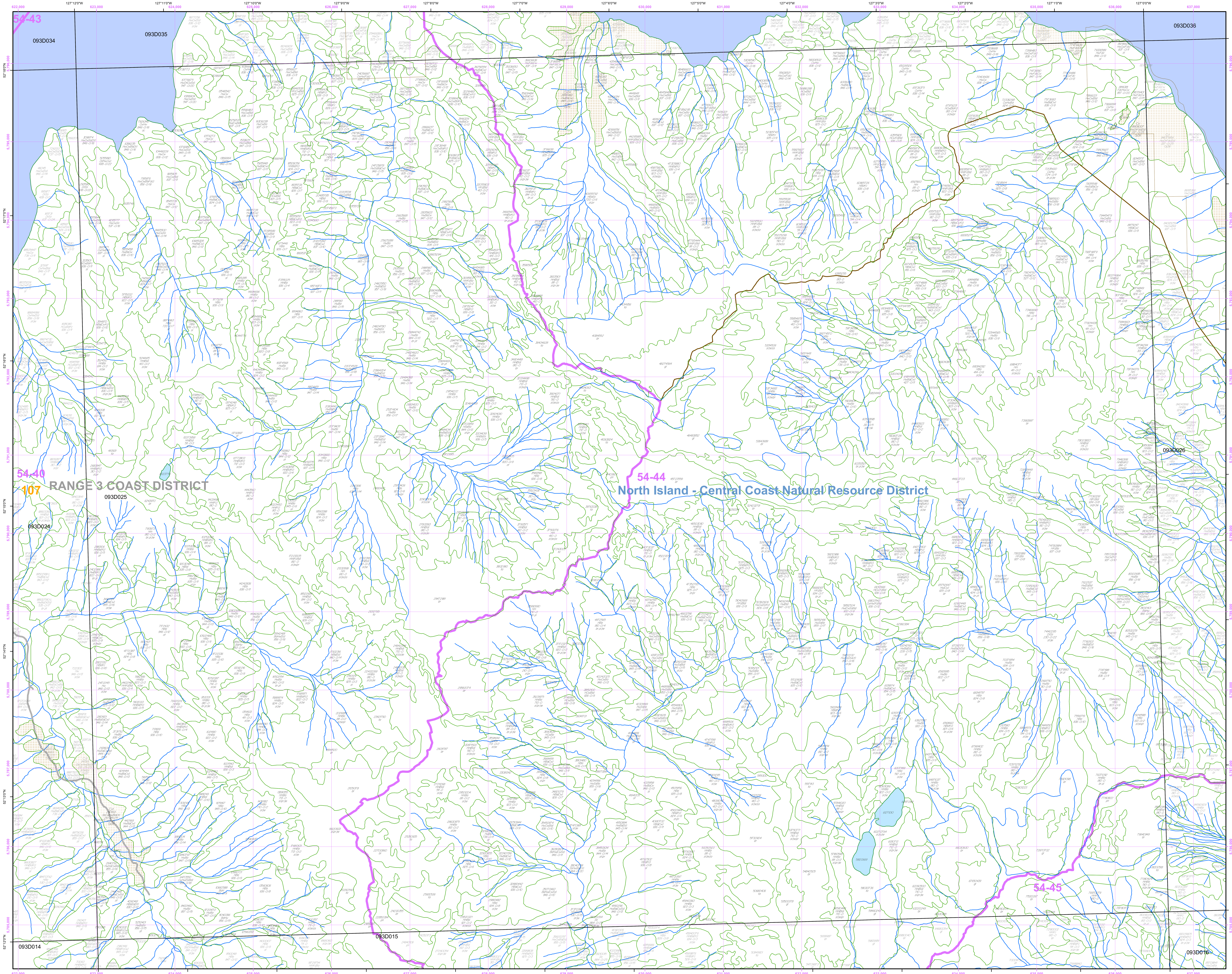
Example Opening History Details

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

1580398 HmBa(Yc) 946-0/6 sl	19876222 HBa 815-0/4 sl	44155860 HYc(BaSs) 935-0/9 sl	66215219 HmBa(Yc) 936-0/4 sl	82206201 HwCw(SsBa) 847-0/16
1661054 SsHwBa(Dr) 954-0/18 sl he	20126506 HwBa(Cw) 836-0/11	45142074 HwBa(Ss) 536-0/14	66604380 HwBa(SsCw) 946-0/14 sl	
1781202/L Dr(HwBaSs) 333-0/23 ri sl he	20145610 HBa(Cw) 936-0/9	45562441 HwCw(Ba) 825-0/6 sl	66855022 HCw(Ba) 936-0/9	
1790664 HBa(Ss) 320-0/16 sl he	20745673 HCwBa 935-0/10 sl	46210234 HBa 826-0/8	67964863 HwBa(Ss) 425-0/12 ta	
1800777 HwBa(Ss) 845-0/15 sl he	21453867 HwBa(Ss) 637-0/15	○5 46696744 Hw(FdcCw) 337-0/25 sl GL65	68194394 HwBa 826-0/8	
2144124 HmBa(Yc) 834-0/6 sl he	22626739 CwHw 836-0/12 sl	47400247 HmBa 813-0/2 sl	68365275 HBa(Cw) 836-0/8 br	
2270989 HBa 530-0/15 sl he	22666768 HwCw 836-0/13 sl	50393314 ta	69584565 HwBa(Ss) 510-0/5 br	
2294666 HBaCw(Yc) 836-0/10 sl	23155729 HwBa(Cw) 846-0/13	51151300 HmBa(Yc) 813-0 sl br he	71243352 ta	
2384025 HBaCw(Ss) 830-0/11 sl br he	23244774 Dr 233-0/22 ri	52086708 CwHwFdc 846-0/18 sl	72601223 ta	
2384542 HCwBa(Yc) 932-0/10 sl he	24104564 sl	56364037 br	72820168 HmYc 810-0 br	
2794712 HCwBa(Ss) 210-0/13 sl br he	24183467 HmBa) 920-0/2 br sl	57424738 HmBa 823-0/4 sl he	74955264 HwSsBa(Cw) 320-0/12 sl he br	
3254751 HBa 935-0/10 sl	24914878 HwDrBa(Ss) 847-0/15	58444224 HBa 720-0/6 br	76775764 HwCw(Ba) 820-0/6 br	
4913012 HwBa 830-0/10 sl	26056738 HwCw 945-0/12 sl	58796085 HYcBa 810-0/4 br	77870172 HmBa 813-0/2 br sl	
5650274 sl he	27596725/L CwHw 941-0/15 sl	59265492 HmBa(Yc) 924-0/2 sl he	79783295 HmBa 925-0/2 sl	
6135746 HwCw(SsBa) 847-0/14	28905294 HwBa(CwSs) 946-0/14 sl	59404266 HwBa(Ss) 845-0/15 sl	80072947 HwBa(Cw) 946-0/14	
6745589 DrHw(Ss) 531-0/22 sl	29723815 HwSsBa 836-0/12	60114379 HwBa(Cw) 510-0/6 br	○4 80116063 CwHw 111-20/20 GL10	
9060272 HwBaSs(Cw) 944-0/11 sl he	31376710 HwBa(Yc) 846-0/14 sl	60215903 HwBa(CwSs) 946-0/12	80290173 HmYc(Ba) 810-0 br	
10096794 HwCw(Ss) 836-0/12 sl he	32816551 CwHw(BaYc) 826-0/8 sl	60176644 HwCw 734-0/13 sl	○4 81016145 CwHw 111-20/20 GL10	
10306280 DrHwCw) 437-0/24	33081342 HmBa 923-0/2 sl he	60824409 HwBa(CwSs) 747-0/17	81174693 HBa 314-0/6 sl he	
10736773 HwCw(Ss) 537-0/16 sl	33283385 HBa 825-0/7 sl	61214511 HwBa(CwSs) 747-0/17	81342058 HmBa(Yc) 314-0/7 sl he br	
11350258 HBa 947-0/12	34306674 BaHw(Cw) 945-0/13 sl	61365719 HwCw(Ba) 845-0/13 sl	81593764 HBa(Yc) 923-0/5 sl br he	
11982905 HBa 416-0/7 sl	35965133 HmBa(Yc) 414-0/3 sl he br	61494680 HwBa 945-0/14 sl	81623515 HYc(Ba) 814-0/5 br	
12590269 HBa 936-0/9 sl	36332056 HBa 836-0/10 sl	61643100 HmBa(Yc) 810-0 br	81640743 br	
13096699 HwCw 837-0/11	36440225 HwCwBa(Ss) 955-0/15 sl	61834149 br sl	81731389 br	
13376777 HwCw(Ss) 846-0/14 sl	36270213/L Ss(HwCw) 851-0/24 sl	62218683 HwCw 855-0/17 sl	81791647 HBa(Cw) 954-0/16 sl	
14044776 HmBa) 511-0 sl br he	36402328 HmBa) 924-0/2 sl br	62870911 HmBa 922-0/2 sl he	81843706 HmBa 415-0/3	
14984394 HmBa 936-0/4	○124 38886744 HwCwSs 836-0/10 sl GL46	62992384 HwCw(SsBa) 846-0/16 sl	81844923 HCw(YcBa) 824-0/7 sl he	
15600769 HmBa 924-0/2 sl he	39341701 HwSsBaCw) 944-0/12 sl	63004263 HwBa(SsCw) 846-0/13 sl	81872000 HBa(Cw) 934-0/9 sl	
16876701 HwCw(Ss) 856-0/17 sl	39611823 ta	63764785 HwBa(SsCw) 935-0/11 sl	81933742 ta sl	
17646720 HwCw(Ss) 856-0/17 sl	39671386 HwSsBa) 844-0/17 sl	64630188 gl	81972041 HmBa(Yc) 926-0/2	
17666148 HBa 936-0/8	40035414 HBa(Yc) 825-0/6 sl	65465159 ta	82053912 HmBa(Yc) 811-0/2 br	
18695373 HwBa 830-0/9 br sl	40056669 DrSs(Hw) 433-0/24 sl	65764171 HwBa(Ss) 846-0/13	82083156 HwCw(BaYc) 923-0/5 br sl	
19715924 HmBa(Yc) 713-0 sl he	43978728 HwSsCw) 846-0/15 sl	65766681 HwCw(Ba) 845-0/14 sl	82174158 HBa(Yc) 823-0/5 sl he	