Vegetation Map

103H082

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   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)
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 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 LAVABED; 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; 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

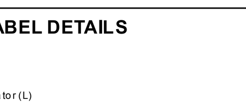
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

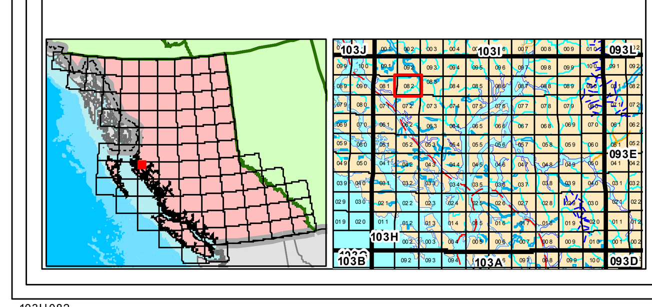
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects
L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens
R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

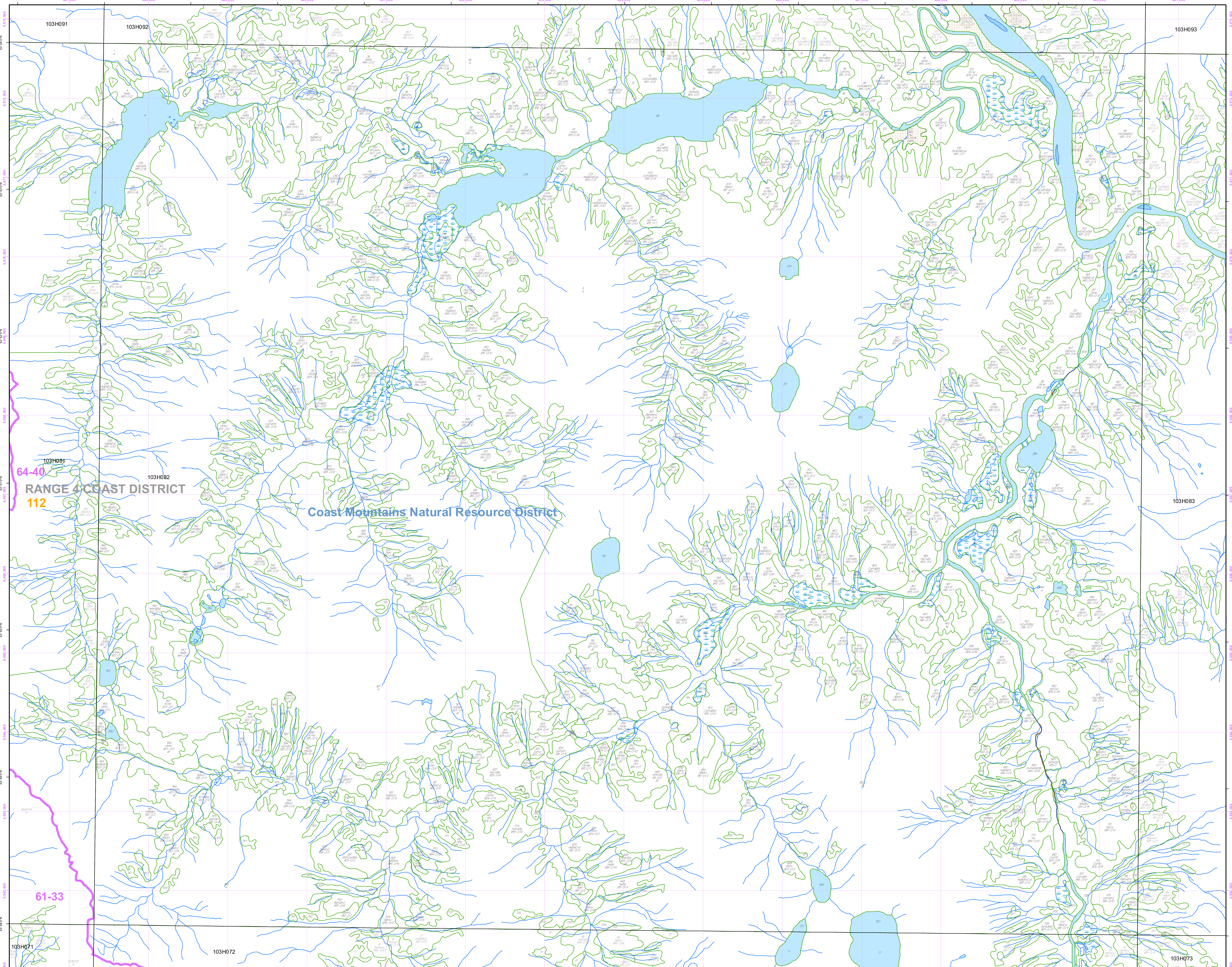
Example Opening History Details

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

3 HwBa 923-0/5 NP	157 HwSs(CwYc) 945-0/12	302 HBaYc 933-0/8	423 HBa(Yc) 933-0/9	585 HmYc 934-0/3 AF	683 YcHm 923-0/5 AF
9	181 HYc 924-0/5 AF	304 HmYcCw 934-0/4	427 HmBaYc 934-0/3 AF	586 HmYc 923-0/3 AF	686 BaHw 935-0/6
18 HwYcBa 924-0/7	182 HwYc 923-0/7 AF	305 CwHwYc 934-0/10	428 HmBa(Yc) 934-0/3 AF	587 HmYc 924-0/3 AF	688 HmYc(Ba) 923-0/3 AF
20 BaHw(SsCw) 945-0/11	184 HwBaYc 815-0/2 AF	306 YcHm 923-0/8 AF	449 BaHm(Yc) 814-0/3 AF	589 HmYc 923-0/3 AF	689 HBa(Yc) 935-0/10
35 HwBaYc 935-0/9	189 BaHw 935-0/7	308 HmYc 933-0/3 AF	450 CwYcH 925-0/6	598 YcHm 924-0/7 NP	691 HmYc 923-0/3 AF
48 HwBaYc 935-0/9	192 HwBa 934-0/8	310 HmYc 923-0/2 AF	451 BaHwCw(Ss) 945-0/9	599 HYc 925-0/6	693 HwBa(Yc) 933-0/10
57 HwYc 933-0/7 AF	194 HBa(Yc) 925-0/6	319 HwSsBa 846-0/17	464 BaSsHw(Cw) 955-0/12	603 BaH 935-0/5 AF	699 HBa(Yc) 933-0/10
58 HwYc 933-0/8 AF	195 HwYcBa 944-0/10	321 HBa 933-0/8 AF	465 HwSsBa 945-0/14	604 BaH 935-0/8	708 SsHwBa(Cw) 955-0/13
68 YcHw 921-0/5 AF	196 YcHw 935-0/10	322 HBa 933-0/8 AF	487 HYc 923-0/6 AF	605 BaHw 945-0/9	714 BaH 827-0/4
70 HwBaSsCw 945-0/11	197 HYcBa 934-0/8	335 HmBa 932-0/3 AF	O3 492 DrSs(Hw) 237-24/24 NSR G176	609 HBa(Yc) 923-0/6 AF	716 HmYc(Ba) 935-0/3
72 SsBa(YcHw) 955-0/13	209 BaHwYc 934-0/5	337 HBaYc 933-0/10	496 CwHwBaYc 935-0/12	611 HBa 934-0/8	717 A
76 A	225 HwBaSsYc 943-0/10	340 HmBaYc 926-0/3	505 Hw(CwYcBa) 933-0/9	614 HYc 926-0/7	721 HYc(Ba) 936-0/8
79 HwCwYc(Ss) 936-0/9	226 HwBaSsYc 944-0/10	341 HmBa(Yc) 934-0/3 AF	507 HmYc 922-0/3 AF	615 HmYc 923-0/3 AF	722 SsHw(CwBa) 945-0/10
81 HwYc 935-0/10	227 HwYc 923-0/6 AF	351 HBa(Yc) 934-0/8	514 HwCwBa 934-0/9	616 HmYc 923-0/3 AF	724 BaH 935-0/7
85 CwYcHw 912-0/5 NP	255 HwCwBa 935-0/9	353 HBa 934-0/8 AF	518 HYc 924-0/6	618 YcHm 923-0/6 AF	726 BaHwCw 936-0/7
89 CwHw(Yc) 933-0/9 NP	257 HYc 923-0/6 AF	354 BaHwSs 945-0/10	522 BaHmYc 933-0/5 AF	620 HmYc 923-0/3 AF	729 HwBa 934-0/10
90 SsHwBa(Cw) 955-0/13	262 HwBaYc 935-0/8	356 HBa 934-0/8	527 BaHw(Yc) 934-0/6	622 HBaYc 935-0/8	732 HYc 923-0/7 AF
91 CwHwBa(Yc) 936-0/12	264 YcHw 934-0/9	358 HBa 935-0/8	529 HBa 935-0/10	627 CwH 925-0/8	733 BaHw 945-0/8
96 CwYcHw 935-0/10	266 HwBa(Yc) 933-0/8	359 HmBa 814-0/2 AF	531 BaHm 813-0/2 AF	628 NPBR	734 HwSsBa 944-0/12
103 HwBaCw(Ss) 945-0/11	267 HwBa 934-0/10	360 HmBaYc 933-0/3 AF	532 BaHm 813-0/2 AF	633 YcH 813-0/4 NP	735 BaHw(Yc) 933-0/7
108 CwYcHw 935-0/10	268 HYc 924-0/6 AF	362 BaHm 933-0/5 AF	534 HwBa 933-0/10	642 BaHw 935-0/7	736 HmYc 923-0/2 AF
109 CwHwYc(Ba) 925-0/8	269 HBaYc 934-0/8	368 BaH 933-0/5 AF	536 YcHm 922-0/7 AF	647 HBa(Yc) 934-0/9	737 HmYc 922-0/2 AF
118 CwHw 935-0/11	270 HBa 933-0/8 AF	369 BaH 934-0/6	544 HmYc(Ba) 934-0/3 AF	652 HBa(Yc) 934-0/9	742 HBa 933-0/7
120 SsHwBa) 954-0/16	271 HwBa 945-0/11	376 HmYc 923-0/2 AF	546 HBa(Yc) 934-0/9	662 HmYc 923-0/3 AF	743 HBaYc 933-0/7 AF
124 YcCw 923-0/7 NP	272 HYc 922-0/7 AF	378 YcHm 924-0/8 AF	547 HwBa 934-0/10	664 HYc 934-0/8	744 BaHm 813-0/3 AF
127 YcCw 924-0/8 NP	273 HwBa(Yc) 934-0/10	381 YcHm 913-0/4 AF	551 YcHm 923-0/5 AF	665 HBa(Yc) 933-0/10	751 HwBa 934-0/10
134 SsHwCw 945-0/9	277 HBa(Yc) 934-0/8	382 CwYcH 923-0/8	562 A	667 YcHm 912-0/4 AF	752 HwBa 935-0/9
135 A	279 HYcCw 924-0/7	384 CwYcHw 935-0/11	563 A	670 YcHm 924-0/7 AF	755 HwBaSs 944-0/13
137 HwBa(Yc) 935-0/9	280 HwBaSs 944-0/12	398 HmYc 922-0/3 AF	570 HmBa(Yc) 813-0 AF	671 HmYc 933-0/3 AF	759 BaH(Yc) 933-0/5
140 HwYc 935-0/9	283 SsHw 964-0/16	402 YcHm 922-0/6 AF	571 HmYc 923-0/2 AF	672 HBaYc 923-0/7 AF	771 HwBa 944-0/10
142 HwYc 935-0/9	287 YcH 923-0/6 AF	403 YcHm 923-0/6 AF	572 HBa(Yc) 934-0/9	675 YcHm 923-0/7 AF	773 BaHw(YcCw) 935-0/8
143 YcH 924-0/7 AF	288 HwBa 944-0/12	406 HwCw(YcBa) 933-0/10	573 HmYcBa 924-0/3	676 YcHm 923-0/7 AF	778 HmYc 923-0/3 AF
146 HwCwBa 945-0/10	290 HwBa 934-0/10	408 HwBaSs 944-0/14	576 HmYc 923-0/3 AF	677 BaH 934-0/7	780 HYc 924-0/6
151 SsHw(BaCw) 945-0/10	293 HBa 934-0/8	410 HwBa 944-0/10	577 HmYc 923-0/3 AF	678 BaHw(Ss) 945-0/12	781 HmYc(Ba) 924-0/3
156 SsHw 945-0/10	299 HwBa 934-0/8	411 BaHmYc 815-0/3 AF	578 HBa(YcCw) 934-0/10	679 HCw 934-0/9	○ 2 90(24231) Dr(Ss) 331-24/24 G(L55)