Vegetation Map
092N003

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:

	LINE DESCRIPTION
○12	1 Silviculture symbol and Opening Number
123/L	2 Polygon Number and multi-layer stand indicator (L)
Fd(Hw)	3 Species Composition ex: the most important layer is described as Fd (Dougls Fir) and Hw (Western Hemlock).
211-20	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
he,sl	5 Vegetated Density Class (or Non-Forest/Productive Descriptor) ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
GL78	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 *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)
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	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS	rm	RAILWAY SURFACE
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN	rs	RIVER SEDIMENTS
br	BEDROCK	ll	LANDING	ot	OTHER	rz	ROAD SURFACE
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	pn	SNOW COVER	ta	TALUS
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR	tz	TAILINGS
es	EXPOSED SOILS	mn	MORAINE	ri	RIVER / STREAM	ur	URBAN
gl	GLACIER						

Note: Water categories (la, oc, re, ri) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

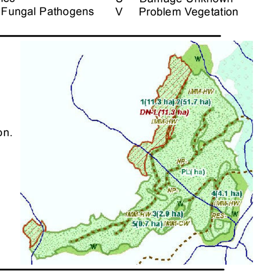
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

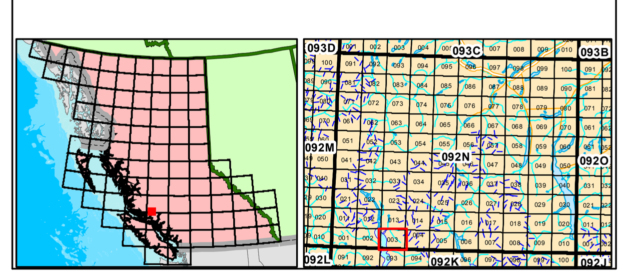
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

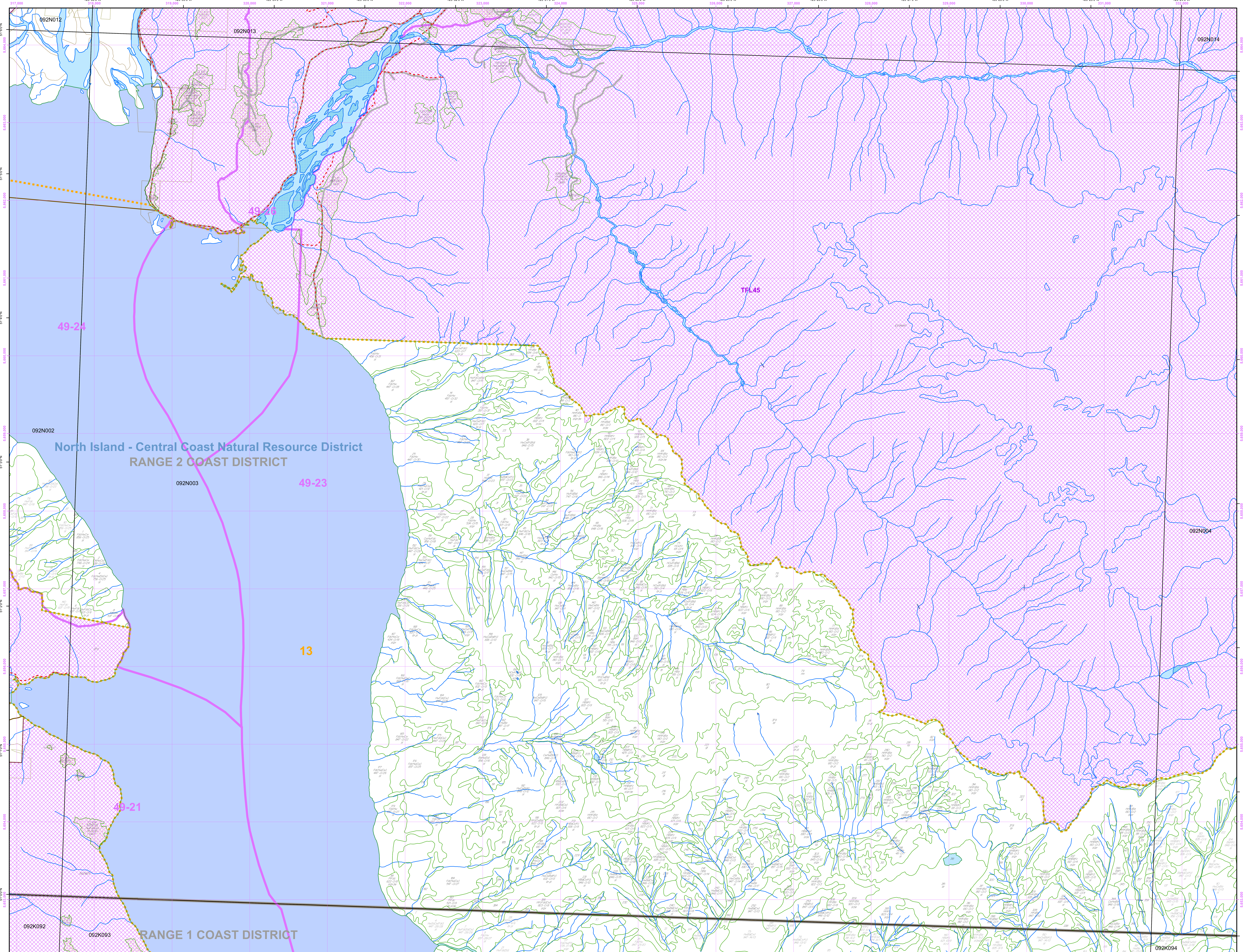
Example Opening History Details

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

5 Dr(HwCw) 226-22/22 sl	108 HBa 514-0/14 sl br	209 HBa 845-0/14 sl	291 HmBa 413-0/5 sl	374 br sl by
9 FdcPl 735-0/13 sl br	111 HBaYc 832-0/10 sl	210 HBa 845-0/14 sl	292 HmBa(Yc) 833-0/7 sl	377 ta
12 FdcHw 856-0/21 sl	113 HBa 515-0/5 sl	218 HmYcBa 810-0/2 sl br	293 HmBa(Yc) 832-0/6 sl	382 DrHw(Ss) 328-0/17
13 HwCw(Fdc) 620-0/7 br sl	114 HBa 523-0/8 sl	220 HmYcBa 610-0/2 br sl	296 BaHm 835-0/11 sl	383 HwFdcSs(Cw) 447-0/26
15 FdcHw 522-0/12 br sl	119 BaH 845-0/13 sl	223 HBaYc 424-0/11 sl	310 HmYcBa 410-0/5 br sl	384 HwFdc(Cw) 435-0/16 sl br
18 FdcHw(CwYc) 521-0/8 br sl	122 BaH(Cw) 846-0/13 sl	229 HCwBa(Yc) 621-0/9 br sl	312 HmBaYc 835-0/7 sl	385 FdcHwCw(Pl) 510-0/6 br sl
20 FdcHw(Yc) 523-0/10 sl br	123 BaH(Cw) 846-0/14 sl	230 HmYcBa 821-0/3 sl	313 HmBaYc 835-0/9 sl	387 FdcHwCw(Pl) 510-0/6 br sl
23 HwYcCwFdc 547-0/23 sl	125 HYc(Ba) 512-0/4 sl br	232 HwBa(Cw) 847-0/14 sl	319 HmBa(Yc) 411-0/5 sl br	388 FdcHwCw(Pl) 510-0/6 br sl
29 Fdc 410-0/7 br	136 HBaYc 834-0/8 sl	234 HYcBa 612-0/5 sl br	320 HmBa(Yc) 622-0/8 sl	389 HwFdc(CwYc) 846-0/12 sl
31 FdcHw 546-0/23 sl	139 HBa 626-0/9 sl	235 HBa 421-0/11 sl br	322 HmBa(Yc) 632-0/9 sl	390 HwFdc(CwSs) 846-0/14 sl
32 FdcHw 446-0/24 sl	141 HwBa(Cw) 320-0/14 sl	237 HBaYc 620-0/9 sl br	325 HmBa(Yc) 834-0/6 sl br	391 HYcCw(Fdc) 620-0/9 br sl
33 FdcHwCw 420-0/11 br sl	142 HwCw(Ba) 846-0/14 sl	239 HBa 337-0/26	326 HmBa(Yc) 411-0/5 sl	392 HwBaCw 331-0/20 sl
35 HwFdcCw 534-0/16 br sl	143 CwHw(Ba) 941-0/14 sl br	244 HBa 410-0/9 sl br	334 HmBa 835-0/6 sl	393 HwBa(Cw) 947-0/13
43 HwFdcCw 534-0/15 sl br	148 HwCw(Fdc) 620-0/7 sl br	246 HBaYc 621-0/9 br sl	338 HwCw(BaYc) 947-0/13 sl	394 HCw(BaYc) 833-0/8 sl br
46 HwFdcCw 537-0/18 sl	154 HwCw 446-0/22 sl	247 HBa 846-0/12 sl	339 HwCw(BaYc) 422-0/15 sl br	396 HCwYc 620-0/6 br sl
50 HYc(CwBa) 620-0/7 br	156 HwCw 631-0/13 sl br	248 HBa 423-0/9 sl	340 HwCwBa 830-0/12 sl	399 HwCwBa 830-0/12 sl
51 HBa 410-0/4 sl	170 HwCw 446-0/22 sl	255 BaHw 956-0/15 sl	341 HwBa 336-0/24 sl	400 br
52 YcH 833-0/11 sl br	172 FdcHwCw 620-0/11 br sl	257 HwBa(Cw) 830-0/12 sl	342 HwCwBa 646-0/21 sl	○ 103 4817 2270 Hw 111-27/27 GL07
53 YcH 834-0/12 sl	174 PlFdc 723-0/8 sl br	258 BaH 841-0/13 sl	345 HBa(Cw) 836-0/11 sl br	○ 103 4918 2165 HwFdc(Ss) 111-32/32 GL07
54 YcH 822-0/7 sl br	178 HwCw(Fdc) 432-0/17 br sl	259 HBa(Cw) 836-0/12 sl	347 HmBa 524-0/6 sl	○ 110 5288 6571 Fdc 111-16 GL12
55 YcHCw 836-0/13 sl	182 FdcHw(Cw) 456-0/32 sl	260 HBa(Cw) 836-0/12 sl	351 HmBa 624-0/6 sl	○ 107 5329 8810 HwSsFdc(Cw) 111-24/24 GL11
61 HYcBa 648-0/19	185 YcPl(HwCw) 822-0/7 br sl	264 HBaYc 611-0/5 sl br	352 HmBaYc 610-0/3 sl br	○ 107 5414 7077 HwCwSs 111-20/20 GL11
67 HmBaYc 932-0/4 sl	186 HwYcPl(Cw) 624-0/10 sl br	269 HmYcBa 610-0/3 sl br	353 HmBa 835-0/6 sl	○ 107 5415 7147 CwSsHw 111-24/24 GL11
85 HmYcBa 610-0/2 br sl	187 FdcHwCw 856-0/23 sl	270 HmBa 835-0/6 sl	355 HmBa 415-0/4 sl	○ 107 5450 7332 CwSsHw 111-24/24 GL11
90 br sl by	188 HwCw 630-0/13 sl br	274 HmBa 836-0/7 sl	356 HmBaYc 610-0/3 sl br	○ 108 5565 7441 GL12
91 HCwYc(Ba) 510-0/5 br sl	191 HwCwYc(Ba) 622-0/10 br sl	275 HmBa 834-0/6 sl	357 HCw(BaYc) 837-0/10 sl	○ 111 6585 6820 GL12
96 HwCw(Ba) 936-0/11 sl	194 HwFdc(Cw) 535-0/18 sl	276 HmBa 846-0/9 sl	359 HwCwBa 420-0/11 sl	7977 7654 HwCw(BaFdc) 112-21/21 GL98
101 BaHw 842-0/15 sl	195 HwCw 846-0/15	277 HmBaYc 833-0/5 sl	363 HwYc(CwBa) 836-0/14 sl	8477 6712 HwBa(CwSs) 113-20/20 GL98
104 HYc(CwBa) 610-0/2 br sl	196 FdcHwCw(Pl) 624-0/12 sl br	278 HmBa(Yc) 623-0/8 sl	365 HmYcBa 810-0 sl br re	
105 BaH 511-0/5 sl br	198 HwCw(Ba) 836-0/11 sl	284 HmBa 835-0/8 sl	368 HwFdc(SsCw) 646-0/21 sl	
106 HBa 516-0/6 sl	205 HBa(Yc) 736-0/15 sl	286 HmBaYc 834-0/6 sl	369 HwFdcCw 847-0/14	
107 HYcCwBa 610-0/5 sl br	206 HBa 845-0/15 sl	288 HmBa(Yc) 933-0/5 sl	372 HwBa(Cw) 320-0/14 sl	