103H065

Vegetation Map
103H065

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:

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 available 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

Code	Species
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

Code	Species
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

Code	Species
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Code	Species
	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	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS	rn	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.

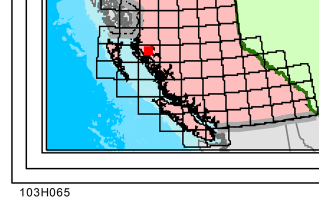
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

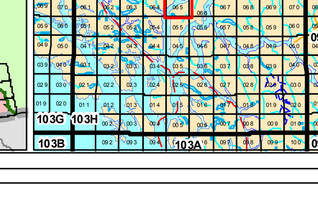
Example Opening History Details

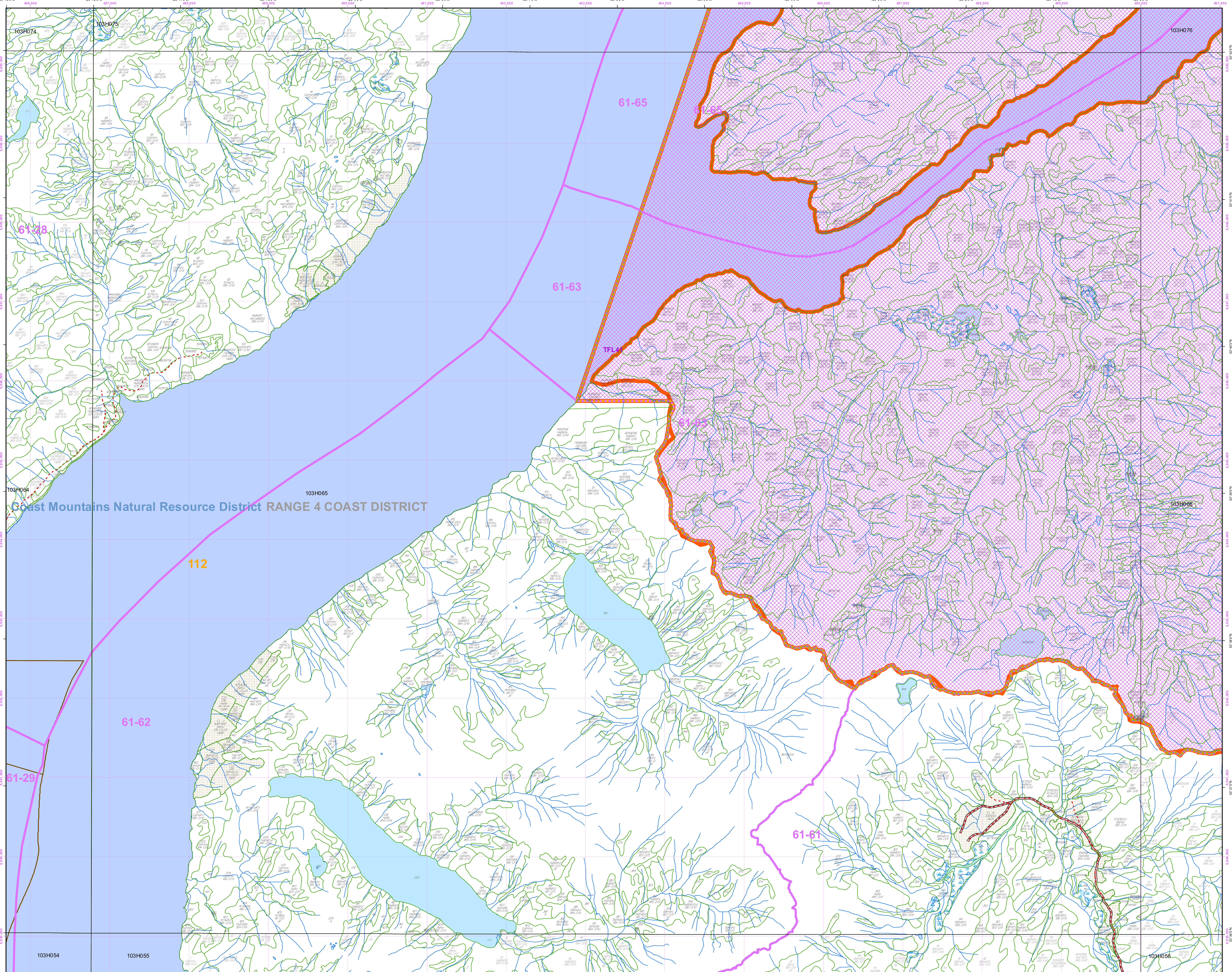
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

1 CwHwYc 933-0/9 NP	140 HYc 924-0/7	○10 292 HwBa 21-14/14 GL88	406 A	14387573 HCwBa(Yc) 945-0/11	46368494 CwHw(Yc) 944-0/13
11 CwHwYc 935-0/10	151 HBaYc 923-0/6 AF	302 BaHw(Yc) 934-0/7	408 HwBa(Yc) 923-0/6 AF	14429294	46638707 HwBaSs(Cw) 225-29/29 GL88
12 HwBaSs(Cw) 954-0/15	152 HwBa(Yc) 923-0/6 AF	303 HwYc(Bd) 933-0/8	409 HwBa(Yc) 912-0/3 AF	14898808 HYcCw 835-0/10	47428539 HwBaSs 223-27/27 GL89
15 HwBaCw 944-0/10	161 HwBa(YcSs) 934-0/7 AF	308 YcHw 924-0/8	411 HwBa(Ss) 934-0/8	15244435 HwBaCw 945-0/12	47978838 CwHwYc 946-0/14
16 CwHwYc(Bd) 926-0/8	165 NPBR	309 YcHw 922-0/6 NP	413 HwBaSs 945-0/13	15377533 HYc(CwBa) 934-0/9	48018754 HwBaSs(Cw) 225-29/29 GL88
22 HwBa(Cw) 945-0/11	169 HBaYc 935-0/7	333 HwBa(Yc) 943-0/12 AF	416 BaHw 936-0/8	15458893	50318867 HwBaSs 225-28/28 GL88
23 HwBa(Cw) 935-0/10	170 HYc 923-0/7	335 Ba(Hw) 936-0/6	421 BaHw(Yc) 923-0/4	15618579 HwCwBa(Bd) 946-0/12	50418812 HwBaSs(Cw) 225-29/29 GL88
26 YcCwHw(Pl) 826-0/7	171 HwSsBa 942-0/11 NP	336 BaHw(Yc) 826-0/6	427 HwYcCwBa(Bd) 936-0/8	16257509 HYc 922-0/6	50798779 HwBaSs(Cw) 225-29/29 GL88
36 NPBR	175 HwYc(BaSs) 945-0/11	337 BaHw 935-0/7	428 HwYcBa 946-0/11	16348846 HwBaCw(Yc) 935-0/10	59449454 HwCwBaSs(Bd) 956-0/14
38	179 CwYcHw 922-0/7 NP	339 BaHw 936-0/5	430 R	16358402 NPBR	○8 59689005 HwSsBa(Cw) 224-25/25 GL90
41 NPBR	180 HwBa(Yc) 944-0/10	344 HwBa 936-0/10	431 CwYcHw 923-0/6 NP	16888600 CwHYc(Ba) 932-0/9	○8 60319329 HwBaSs 221-34/34 GL90
43 CwYcHw 912-0/3 NP	183 HwSsBa 943-0/12 NP	351 HwBaCwSs 944-0/12	432 HwBaCw(Yc) 945-0/13	16961940 CwHwBa 326-0/17	63579976 R
54 BaHwYc 934-0/6	198 CwYcHw 936-0/9	353 YcHw(Cw) 925-0/8	433 CwYcHw 923-0/6 NP	16984292 HwBaCw 945-0/12	86028066 HYc 935-0/9
55 R	199 CwYcHw(Pl) 922-0/5 NP	355 BaHw(Ss) 934-0/8	438 HwBa(Ss) 945-0/14	17034410 HwBaCw 945-0/12	86387198 H 922-0/5 AF
58 BaHw(Yc) 922-0/5 AF	205 CwYcHw 936-0/9	356 HwCw(Yc) 946-0/10	442 CwYcHw 927-0/8	17099496 YcHCw 924-0/8	86768516 HCw 437-0/16
61 CwYcHw 922-0/5 NP	207 HwCwYc(Ba) 944-0/12	358 BaHw 933-0/8 NP	445 HwBaYc 934-0/10	17166629/L HYc(Cw) 512-0/5	87228060 HBa 847-0/14
63 CwYcHw 912-0/4 NP	211 CwHwYc 937-0/11	364 HwBa(Ss) 943-0/11	446 BaHw(Yc) 933-0/5	17466887/L NCBR	88848640 YcH 932-0/9
67 HwBa(Yc) 933-0/9	222 CwYcHw 913-0/5 NP	368 HwBaSs 943-0/13 AF	447 HwBa(Yc) 933-0/9 AF	17537511/L NCBR	88928084 NCBR
72 HwYcBa(Cw) 934-0/8	228 CwYcHw(Pl) 927-0/8	370 HwBa 934-0/10 AF	457 Hw(BaSsCw) 944-0/12	17784397 HwBa 936-0/10	88938755 YcH(Cw) 932-0/9
73 HwYcBa(Cw) 934-0/8	229 HwCwYc 935-0/9	371 HwBaYc 933-0/7 AF	460 SsHw(Ba) 954-0/19	18264510 NPBR	89707202 HYc 933-0/7
79 HYc(Ba) 923-0/5	231 HwBaYc 934-0/7	373 BaHwYc 922-0/3 AF	24497188 CwHw 945-0/13	18548509 HCwYcBa) 945-0/11	91650486 CwHwBa(Bd) 946-0/16
85 BaHw(YcCw) 953-0/13	232 HwBaSs 945-0/12	374 BaHwYc 923-0/4 AF	29950129 YcHCw 921-0/6	18776596 NCBR	91917604 HYc 934-0/8
87 NPBR	234 HwBaYc 942-0/12	375 HwYcBa 911-0/3 AF	42172214 R	18815795 NPBR	92217544 HBa(Yc) 941-0/11
91 NPBR	239 HwSsBa(Cw) 944-0/10	376 SsHw(Ba) 943-0/7 AF	55768845 HBaSs 943-0/10	18905901 HYc(B) 611-0/4 AF	94237107
96 BaHwYc 934-0/6	240 HwYc 933-0/7 NP	377 SsHw(Ba) 944-0/9	65174851/L NCBR	18987581 NPBR	95361968 CwHYcFdPl) 934-0/11
102 BaHwYc 936-0/6	242 HYcBa 924-0/5 AF	379 SsHw(Ba) 944-0/10	67519045 NSR G	19116583 HBa(Ss) 955-0/15	96686434 Hm 911-0 AF
103 HwBaCw 934-0/10	244 HwBa(Yc) 934-0/10	380 HwYc 924-0/7 AF	92751093 BaHw 945-0/12	19567495 BaHw(Ss) 955-0/16	96996580 R
105 YcHwCw 937-0/12	246 HYc 912-0/3 AF	381 HwBa(Yc) 933-0/7 AF	93418360 NCBR	42398282 sl	97686605 NCBR
108 HwBaYc 945-0/9	248 YcHwBa 936-0/9	383 HwSsYcBa) 934-0/10	10340030 TIDE	42998634 BaHwCw 936-0/7	99206870 R
109 BaHwYc(Cw) 936-0/7	249 HwBaYc 934-0/9	384 HwYc 924-0/6	11027554 HwBa(Yc)Cw) 523-0/13	43718424 HwBaSs(Cw) 225-29/29 GL88	99638438 HBaCw 945-0/12
110 HwCwYcBa(Bd) 945-0/11	251 YcH(CwBa) 912-0/2 AF	389 HwBa(Ss) 945-0/11	12454943 HwBaCw 933-0/10	43778575 HwBaSs(Cw) 225-29/29 GL88	
111 HwCwYcBa(Bd) 945-0/11	260 HwYcBa 934-0/10	390 A	12507091 HYc(Ba) 912-0/3	43838711 HwBaSs(Cw) 225-29/29 GL88	
112 HwBa(Ss) 944-0/12	266 BaHw(Yc) 913-0/2 AF	392 HwYcCw 935-0/7	12611925 BaSsHw 954-0/11	43948329 HwSsBa(Cw) 225-29/29 GL88	
119 HwBa(Cw) 943-0/11	268 HwBaYc(Ss) 933-0/9 AF	396 HwYc(Ba) 937-0/8	13824596 CwHw(Ss) 934-0/12	43998600 sl	
138 HwYcBa 933-0/7 AF	270 BaHw(Yc) 924-0/4 AF	400 HwYc(BaSs) 933-0/10	14089902 HwCw(Ba) 945-0/13	○10 44103303 HwBaSs(Cw) 221-22/22 GL90	
139 HwYcBa 933-0/7 AF	○10 291 HwBa(Cw) 221-22/22 GL88	405 HwBa 945-0/12	14247274 M	44668575 HwBaSs(Cw) 225-29/29 GL88	

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