Vegetation Map

092L093

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
- Sivicluture 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* - opeing 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

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 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

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 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.

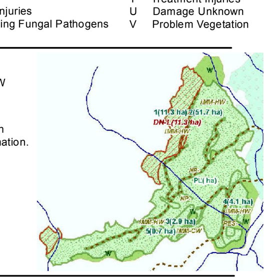
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

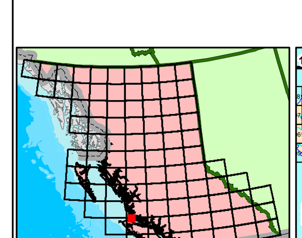
Example Opening History Details

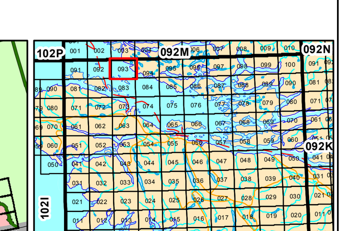
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

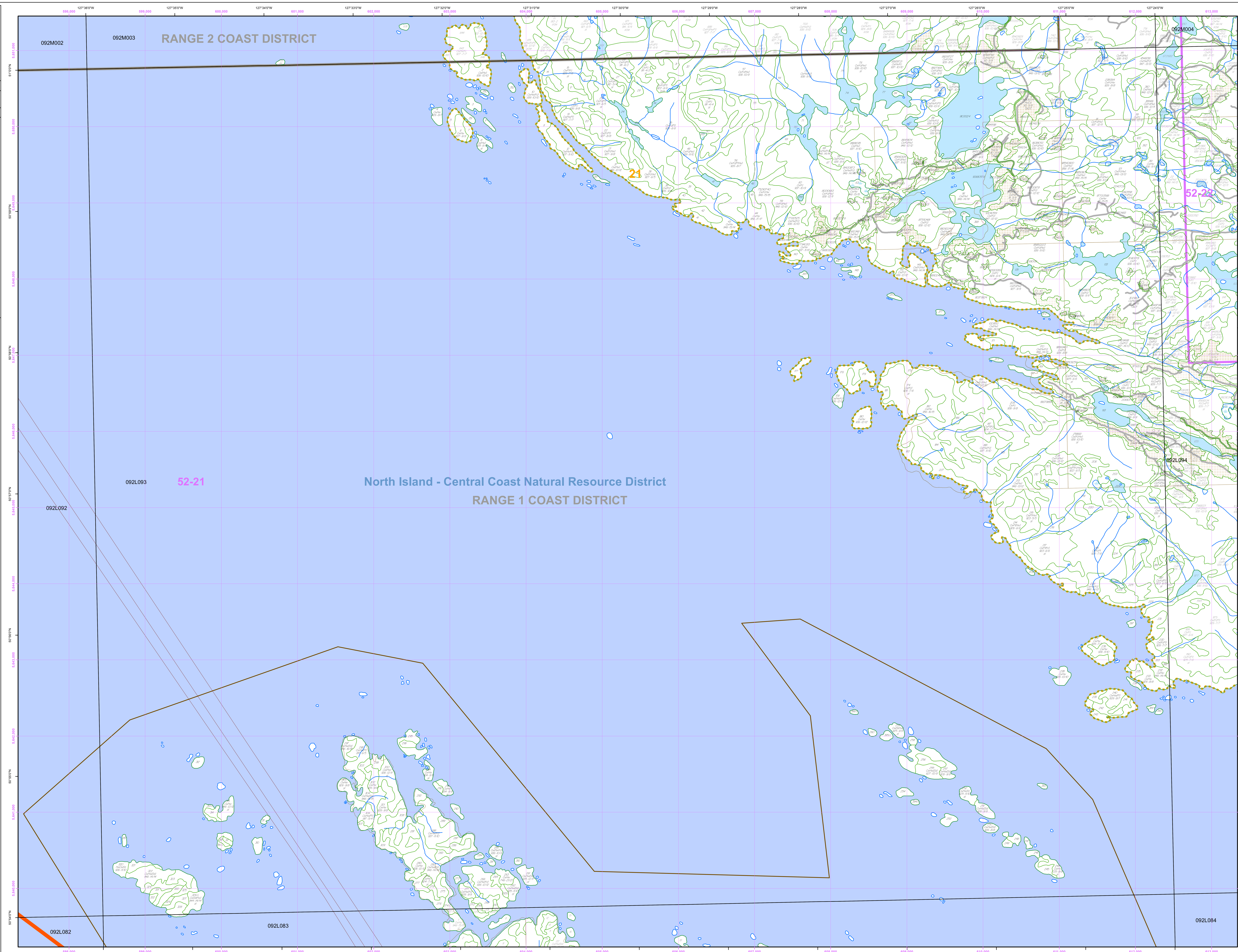
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

1 CwHwYc 927-7/7	109 CwYc(Hw) 936-12/12	225 CwYc(Hw) 936-11/10	281 CwHw(Ss) 836-11/11 sl	332 HwCw(Ss) 826-9/9	○ 3 340377 CwHw 110-11/11 GL02	○ 9 82550890 GL07	○ 4 94081031 HwCw 110-11/11 GL02	○ 3 99560587 CwHw 110-11/11 GL02
3 Cw(Hw) 926-8/7	117 CwHw 946-15/15	226 CwPlYc 923-5/5 sl	283 CwHw 936-12/12 sl	333 CwHw(Pl) 936-10/10	○ 7 389638 HwCw 111-13/13 GL07	82560517 Cw(Hw) 946-15/15	94459168 CwHw 956-16/15	99680469 Cw(HwYc) 946-15/15
5 Cw(Hw) 936-9/9	120 Cw(HwYc) 937-9/9 sl	227 CwHw 936-10/10	284 CwHw 936-12/12	350 CwHw 937-10/10	○ 52 489213 GL02	○ 9 82790503 GL07	○ 4 94611376 HwCw 110-11/11 GL02	
7 Cw(Hw) 936-9/9 sl	129 YcCw(Pl) 927-7/7	229 CwHw 946-12/12	286 CwHw(Yc) 827-8/8 sl	351 Cw(Hw) 936-9/9 sl	○ 8 1219300 HwCw 111-11/11 GL07	○ 9 82800395 GL07	○ 10 95090795 CwHw 111-11/11 GL07	
9 Cw(Hw) 926-8/7	130 CwYc(Pl) 912-5/4 sl	231 CwHw 946-12/12	287 CwHw(Ss) 946-15/15	352 CwHw 937-10/10	○ 1 1439717 CwHw(Yc) 111-11/11 GL01	○ 9 83410830 GL07	95111054 CwHw 111-15/15 GL02	
11 Cw(Hw) 936-10/10	143 CwHw 946-15/15	234 CwHw 926-6/6 sl	289 CwHw(Ss) 946-15/15	355 CwYc(PlHw) 910-4/3 sl,hg	○ 52 1459134 GL02	○ 9 83540622 GL07	95140964 CwHwYc 937-9/9	
13 Cw(Hw) 936-11/11 sl	144 Cw(HwYc) 926-8/8	235 CwHw 946-13/13	290 CwHw 924-9/8 sl	357 Cw(Hw) 936-10/10	○ 52 1599085 GL02	○ 9 84580706 GL07	95161211 Cw(Yc) 936-11/11	
14 CwYc(Hw) 927-8/8	148 Cw(YcHw) 946-15/14	239 CwHw 946-13/13	292 CwHw 946-12/12	362 CwHw 946-14/14	2040726 Cw(HwYc) 946-15/15	○ 9 85070801 GL07	95230909 CwYc(Hw) 936-10/10	
16 CwYc(HwPl) 926-8/8	161 Cw(HwYc) 827-9/9	241 CwHw 946-14/13	293 Cw(HwYc) 936-11/10 sl	363 CwHw(Ss) 837-12/11	2069071 CwYc(Hw) 926-8/8	85130654 CwHw 937-12/11	95250481 Cw(Hw) 946-14/14	
17 CwYc(Pl) 911-4/4 sl,la	169 CwHw(Yc) 936-11/11	242 Cw(Hw) 936-11/10	295 CwHw 945-12/12 sl	364 Cw(YcPlHw) 937-11/10	2738876 Cw(Hw) 946-15/14	○ 9 85200522 GL07	○ 3 96170503 CwHwYc 937-0/10 GL02	
20 CwYc(Pl) 912-5/4 sl	171 CwHw(Yc) 927-9/8	243 CwHw 313-10/10 sl	296 CwHw(Yc) 935-9/9 sl	365 CwHw 936-11/11 sl	○ 6 2848740 HwCw 111-11/11 GL03	○ 9 86650798 GL07	96241239 Cw(Yc) 946-13/13	
27 Cw(YcPl) 927-8/8	172 CwHw(Yc) 937-12/12	245 Cw(Hw) 946-13/12	299 CwHw(Ss) 946-15/15	366 CwHw 937-10/10	2970483 CwHw(Plc) 112-16/16 GL00	○ 9 86910946 Cw(Hw) 925-0/9 GL07	○ 10 96340090 CwHw 111-11/11 GL07	
29 CwYc(Pl) 922-5/5 sl	175 Cw(Hw) 946-15/15	246 Cw(HwSs) 825-10/9 sl	303 CwYc(Hw) 936-10/9 sl	367 CwHw 936-10/9 sl	○ 1 2990041 CwHw(Yc) 111-11/11 GL01	○ 9 87260631 GL07	○ 4 96711115 HwCw 110-11/11 GL02	
31 CwYc(Pl) 922-5/5 sl	176 CwHw 937-10/10	247 Cw(Hw) 920-7/6 sl	307 CwHw 927-7/6	368 CwHw 937-12/11	3179303 Cw(Yc) 936-11/11	87390838 CwHw 946-15/15	○ 10 96849857 CwHw 111-11/11 GL07	
32 CwYc(HwPl) 927-7/7	177 Cw(Hw) 934-12/12 sl	248 CwSs(Hw) 935-12/11 sl	308 CwHw(Yc) 936-12/12 sl	369 CwHw 936-10/9 sl	3288994 Cw(HwYc) 936-0/10	○ 9 87420975 HwCw 111-11/11	○ 5 96901728 CwHw(Yc) 110-11/11 GL02	
39 Cw(HwYc) 936-10/10	179 CwHw 946-12/12	249 CwHw 826-7/7	309 CwHw 946-14/13	370 CwHw 936-11/10 br,he	3589642 CwHw(Yc) 937-10/9	87980802 Cw(YcHw) 936-11/11	○ 5 97211596 CwHw(Yc) 110-11/11 GL02	
40 Cw(YcHw) 926-9/8	181 Cw(Hw) 936-12/12	253 CwSs(Hw) 935-10/10 sl	310 Cw(Hw) 934-11/11 sl	371 CwHw 936-10/10 he,br	3708767 Cw(Hw) 946-15/14	88110046 CwYc(Hw) 927-9/9	97289748 CwHw 946-15/15	
41 CwHw 946-12/12	183 CwHw 936-10/9	254 CwSs(Hw) 935-11/11 sl	311 Cw(Hw) 932-10/9 br,sl	372 CwHw 935-12/11 sl	○ 6 3728750 CwHw(YcPl) 937-0/10	○ 9 88410891 HwCw 111-11/11	97309209 Cw(Yc) 936-10/10	
42 Cw(HwYc) 936-11/10	184 CwYc(Pl) 923-6/5 sl	256 Cw(Hw) 945-12/12 sl	312 Cw(Hw) 934-12/12 sl	373 CwHw 937-9/9	4000359 CwHw(Plc) 112-16/16 GL00	88680575 Cw(Yc) 946-14/13	97451005 Cw(Hw) 946-15/15	
45 Cw(YcHw) 936-9/9	185 Cw(Yc) 936-12/11	258 CwHw(Ss) 415-8/8 sl	313/L Cw(Hw) 934-12/12 sl	375 la,sl,he	○ 1 4009937 CwHw(Yc) 111-11/11 GL01	○ 10 88890053 CwHw 111-11/11 GL07	97470507 Cw(HwYc) 946-15/15	
48 Cw(YcHw) 946-13/12 sl	186 Cw(Yc) 946-13/13	260 CwHw(Ss) 936-11/10 sl	314 CwHw(Ss) 536-18/17	376 CwHw 934-10/10 br	○ 6 4058795 HwCw 111-11/11 GL03	89420968 CwHw 946-15/15	○ 3 97540335 CwHw 110-11/11 GL02	
50 CwYc(Hw) 936-9/8	190 CwYcPl 921-7/6 sl	264 CwHw 956-16/16	316/L Cw(HwSs) 933-11/10 sl	377 CwYc(Pl) 910-3/2 sl,he	4628494 CwYc(Hw) 936-0/9	○ 10 90210235 CwHw 111-11/11 GL07	97649003 Cw(HwYc) 946-13/12	
52 CwYc(HwPl) 912-4/4 sl	202 Cw(PlHwYc) 921-7/6 sl,la	265/L CwHw 941-13/12	317 CwHw 837-11/10	383 CwYc 937-10/9	4700486 CwYc(Hw) 935-10/9	○ 9 90260907 Cw(Hw) 934-0/11	97690136 CwHw 946-14/14	
53 Cw(Yc) 936-12/11	203 Cw(HwYc) 936-10/9	267 CwHw(Ss) 946-15/15 st	318 CwHw(Ss) 946-13/12	386 CwYc(Pl) 912-5/4 sl	5230603 Cw(Yc) 946-14/13	90379924 CwHw(Yc) 946-13/13	○ 10 97709738 CwHw 111-11/11 GL07	
54 CwYc(Hw) 946-13/13	206 Cw(PlHwYc) 921-6/5 sl	268 HwCw 458-31/30	319 SsHw 921-4/3 sl,br	388 CwHw 936-12/11	5280138 CwYc 937-11/10	○ 5 90571672 CwHw 111-11/11 GL02	○ 3 97870447 CwHw 110-11/11 GL02	
55 CwYc(Hw) 936-12/11	210 Cw(PlYc) 911-4/3 sl	269 CwHw 437-19/18	321 CwHw(Ss) 836-10/9	389 SsCwHw 935-6/5 sl,he	76520412 Cw(HwYc) 946-14/14	○ 10 90770281 CwHw 111-11/11 GL07	97940495 Cw(YcHw) 936-11/10	
67 Cw(HwYc) 936-12/11	211 Cw(PlYc) 911-4/3 sl,la	270 HwCw(Ss) 846-15/14 sl	323 CwHw(Ss) 827-9/9	390 SsCwHw 923-3/3 sl,he	○ 9 77090440 GL07	○ 10 90840208 CwHw 111-11/11 GL07	○ 3 98090659 CwHw 110-11/11 GL02	
69 CwHw 946-15/15	212 CwPl(Yc) 936-9/8	272 CwHw 956-16/16	324 CwHw(Yc) 936-12/11	391 Cw(HwYc) 937-10/9	○ 9 78860283 GL07	○ 10 90919938 CwHw 111-11/11 GL07	○ 10 98439717 CwHw 111-11/11 GL07	
71 CwYc(Hw) 936-11/10	216 Cw(Hw) 946-13/12	273 Cw(Hw) 946-12/12	325 SsHwCw 946-8/8	392 Cw(HwYc) 937-10/9	○ 9 79480411 GL07	○ 9 91060930 HwCw 111-11/11	98631090 Cw(Hw) 946-15/15	
73 CwHw(Yc) 946-13/13	219 Cw(HwYc) 936-11/11	274/L HwCw 225-20/20 st	327 CwSsHw 946-13/13	393 CwSs(Hw) 937-10/10	○ 9 79500481 Cw(Hw) 925-0/9 GL07	91451713 Cw(YcHw) 936-10/10	○ 6 98788991 HwCw 111-11/11 GL03	
75 Cw(HwYc) 946-12/12	220 Cw(YcHw) 946-12/12	275 CwHw(Ss) 956-16/16	328 HwSsCw 747-17/16 sl	394/L CwSs(Hw) 934-11/11 sl	79680324 Cw(Hw) 946-14/14	○ 10 91930142 CwHw 111-11/11 GL07	98869699 Cw(Yc) 946-12/12 sl	
79 CwHw(Yc) 921-7/7 sl,la	221 Cw(PlHwYc) 923-6/6 sl	276 CwHw(Yc) 937-10/10	329 Cw(Yc) 935-11/10 sl	395/L CwSsHw 935-10/9	80010371 CwHw 956-16/16	92720840 Cw(Hw) 956-17/16	99078899 CwYc(Hw) 936-11/11	
84 CwYc 926-8/7	223 Cw(Yc) 946-13/12	277 HwCwSs 946-15/15	330 CwHw 827-9/9	396/L CwHw(Ss) 934-10/9 sl	○ 9 80630529 HwCw 111-11/11	○ 4 93220781 Cw(YcHw) 937-0/9 GL02	99509254 Cw(HwYc) 946-12/12	
95 Cw 936-11/10	224 CwPlYc 912-5/5 sl	278 CwYc(Hw) 934-11/11 sl	331 HwSsCw 936-10/9	397 CwHw 927-7/6 sl	○ 9 81760675 GL07	93841198 Cw(Yc) 936-11/11	99520695 Cw(YcHw) 936-12/11	