BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092M042

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:

○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 *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)	4b HEIGHT CLASS CODE	LIMITS (metres)	4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
				0	0 - 5
1	1-20	1	0.1 - 10.4	1	6 - 15
2	21-40	2	10.5 - 19.4	2	16 - 25
3	41-60	3	19.5 - 28.4	3	26 - 35
4	61-80	4	28.5 - 37.4	4	36 - 45
5	81-100	5	37.5 - 46.4	5	46 - 55
6	101-120	6	46.5 - 55.4	6	56 - 65
7	121-140	7	55.5 - 64.4	7	66 - 75
8	141-250	8	65.5 +	8	76 - 85
9	251 +			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; rm RAILWAY SURFACE; rs RIVER SEDIMENTS; rz ROAD SURFACE; ta TALUS; tb 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.

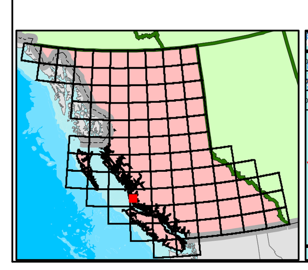
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects
L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens
R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

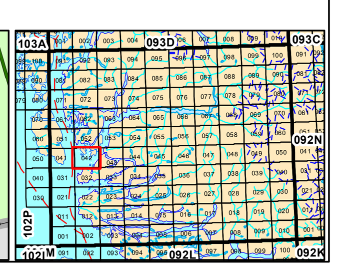
Example Opening History Details

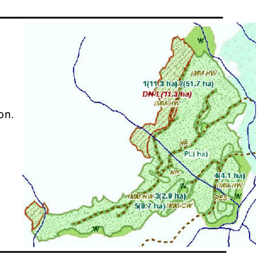
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

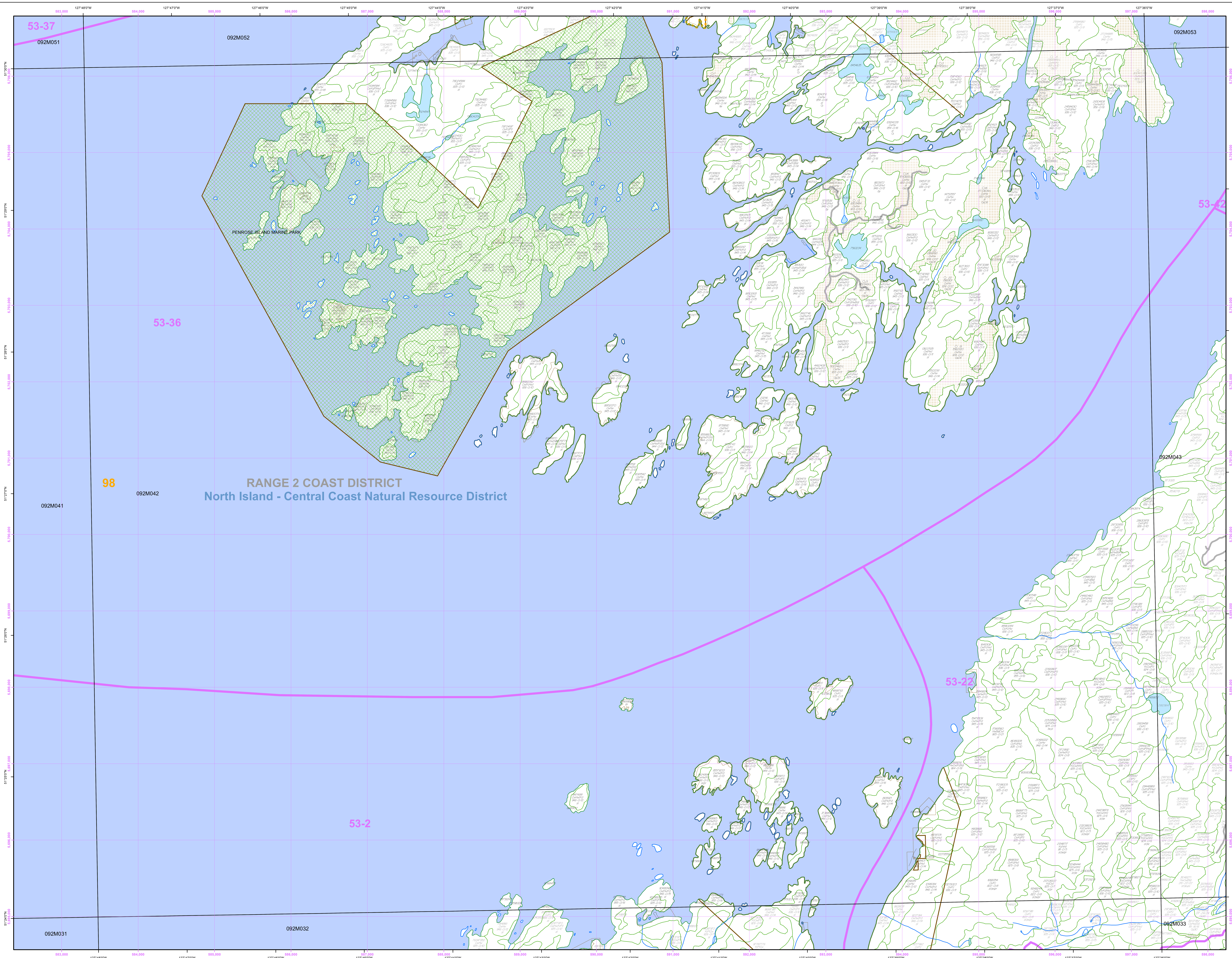
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

18631 CwHw(Yc) 946-O/13 sl	12278559 CwHw 945-O/12 sl	29024304 CwHw(Ba) 945-O/14 sl	93518256 CwHw(Yc) 955-O/16 sl
562308 CwHw 945-O/12 sl	14032082 CwHw 946-O/14 sl	62103579 Cw(Yc) 851-11/18 br sl	93795612 CwHw(Yc) 946-O/13 sl
758793 CwHw(Yc) 946-O/13 sl	○3 14274530/L CwHw 733-O/13 sl be GL02	63373886 Cw(Hw) 830-O/12 br	93891906 CwHw(YcSs) 944-O/13 sl
878322 Cw(Hw) 945-O/14 sl	○20 14923222 CwHw 953-O/16 sl GL06	63593991 SsCw 844-O/13 br sl	93991863 CwYc 936-O/10 sl
1418897 CwHw(Yc) 946-O/13 sl	○19 16992338 CwHw 953-O/16 sl GL06	67073346 Cw(Yc) 834-O/13 br	94338250 CwHw(Ba) 945-O/13 sl
1456671 Cw(Yc) 945-O/13 sl	17530348 CwYc 945-O/13 sl	67082147 br	94778695 CwHw(Yc) 946-O/13 sl
1614735 DrHw(Cw) 336-O/26 sl	18152415 CwHw(Ba) 946-O/15 sl	68392155 CwHw 934-O/9 sl	94968572 CwHw(Yc) 935-O/11 sl
1642538 CwHw(Yc) 936-O/12 sl	○19 18362581 CwHw 953-O/16 sl GL06	69612894 CwHw 946-O/14 sl	95012759 Cw(Hw) 945-O/13 sl
1648604 CwHw(Yc) 946-O/13 sl	18369088 CwHw(Yc) 824-O/8 sl	70691861 br	95101557 CwHw(YcBa) 944-O/14 sl
1912403 Cw(Hw) 945-O/13 sl	○17 19033195/L CwHw 932-O/12 sl GL06	70942664 Cw(Hw) 920-O/6 br sl	95564921 HwCw 945-O/13 sl
2192932 CwHw(Ba) 945-O/15 sl	19232570 CwHw 946-O/12 sl br	71063320 Cw(Yc) 945-O/14	95971492 CwYc 936-O/11 sl
2528237 CwHw(Yc) 946-O/13 sl	19743856 CwYc(Hw) 935-O/12 sl	72754710 CwHw 955-O/17 sl	97044880 CwHw(Yc) 954-O/16 sl
2734712 DrHw(Cw) 336-O/26 sl	20292873 CwHw(Ba) 946-O/14 sl	77432749 CwHw(Ss) 845-O/14 sl	97163043 Cw(Hw) 944-O/13 sl
3363578 Cw(Hw) 955-O/16 sl	20443753 CwHw 946-O/13 sl	78324790 Cw(Yc) 835-O/13 sl	○7 97454659/L HwCw 951-O/14 sl GL02
3364732 CwHw 946-O/14 he	20643876 CwHw 946-O/13 sl	78758342 CwHw 935-O/12 br sl	97814546 HwCw 945-O/13 sl
3474496 Cw(Hw) 945-O/13 sl	○11 21404086 CwHw 944-O/13 sl	79282551 CwHw(Yc) 945-O/13 br	98182374 CwHw(Yc) 946-O/13 sl
3772018 Cw(Hw) 946-O/12 sl	22344184 CwHw(Ba) 836-O/12 sl	79354785 Cw(HwSs) 945-O/16 sl	98382160 Cw(Hw) 946-O/12 sl
3892434 Cw(Hw) 945-O/13 sl	○8 22634484 CwHw 943-O/15 sl GL03	79598320 CwHw 946-O/13 sl	98804728 Cw(Hw) 954-O/17 sl
4029833 Cw(Hw) 945-O/14 sl	22908302 Yc(CwHm) 922-O/5 sl be br	○1 80453438 HwCw(Ba) 436-O/24 sl GL55	98874393 CwHw 942-O/13 sl G
4224742 HwDrCw 335-O/26 sl	○11 23503949/L CwHw 931-O/12 GL03	81848271 CwHw 946-O/14 sl	99569026 Cw(Hw) 944-O/14 sl
4583763 CwYc 945-O/14 sl	23633753 HwCw(Dr) 346-O/29 sl	82168450 CwHw 935-O/12 br sl	99751573 CwYc 936-O/11 sl
5104245 CwHw(Yc) 935-O/12 sl	23728251 CwYc(Hw) 935-O/9 sl	82694712 DrHwCw 336-O/22 sl	
6244729 Cw(Yc) 836-O/10 sl	24994363 CwHw(Ba) 945-O/14 sl	83123258 Cw(Hw) 926-O/8 sl	
6562126 CwHw 944-O/13 sl br	25154523 CwHw(Ba) 945-O/14 sl	83919102 br	
8092553 CwYc(HwBa) 936-O/9 sl	26589472 CwHw(YcPl) 936-O/11 sl	85434531 Cw(HwYc) 945-O/15 sl	
8552503 Cw(Hw) 945-O/13 sl	27170155 Cw(HwYc) 835-O/9 sl be	85804120 CwHw(Ss) 955-O/16 sl	
9814694 Cw(Hw) 945-O/13 sl	27198277 CwYc(Hw) 935-O/9 sl	85884799 Cw(HwYc) 945-O/13 sl	
10139442 CwYc 935-O/11 sl	27308632 Yc(CwHm) 923-O/5 sl be br	86333782 CwHw(Yc) 946-O/15 sl	
10588882 Cw(HwYc) 946-O/14 sl	27324258 CwHw(Ba) 945-O/14 sl	87904096 Cw(Yc) 945-O/13 sl	
12094663 CwHw 952-O/16 sl be G	27968427 Yc(CwHm) 925-O/7 sl br	88652588 CwHw(Ss) 946-O/13 sl	
○3 12164557/L CwHw 733-O/13 sl be GL02	27978268 CwYc(Hw) 925-O/8 sl	89402247 CwYc(Hw) 936-O/9 sl	
12258510 HwCw(Dr) 735-O/13 sl	28431174 CwHw 945-O/12 sl	90194626 CwHw(YcSs) 955-O/15 sl	