Vegetation Map

103J040

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:

○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)	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; ld 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; 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 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.

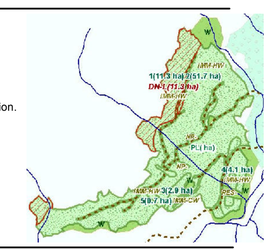
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects
L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens
R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

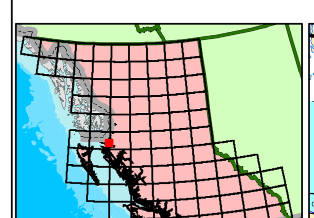
Example Opening History Details

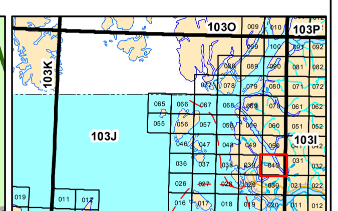
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

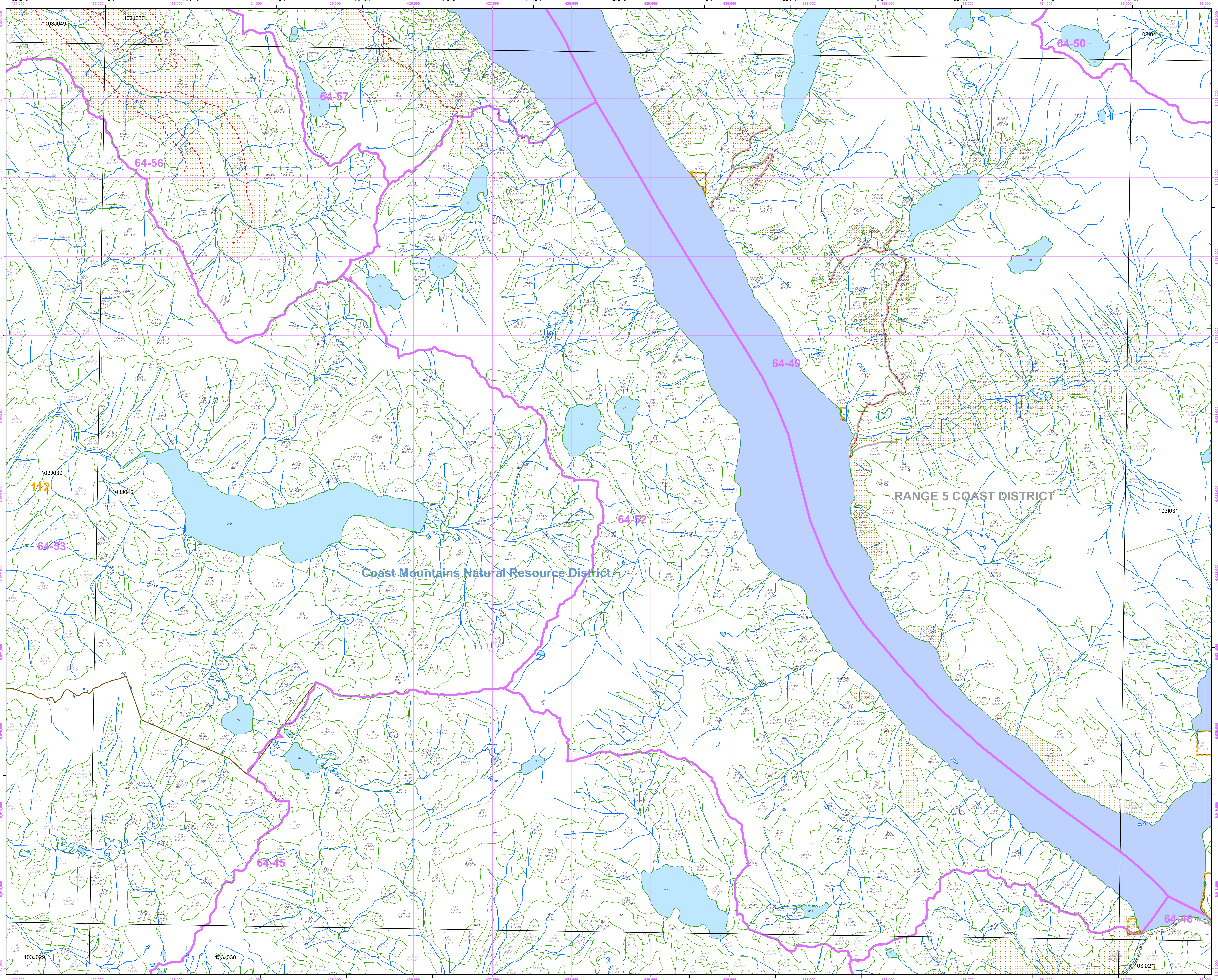
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

1 HwS(BCw) 963-O/19	295 CwPl(YcH) 924-O/7	694 YcH(B) 921-O/6 AF	38416945 SHCw(Yc) 944-O/10
2 CwHwS 944-O/13	305 SDrCw 944-O/10	702 HB(Yc) 944-O/11	39066662 Cw(HS) 945-O/14
4 HSB(Cw) 965-O/17	326 Dr 438-O/20	708 HBYc 933-O/9 AF	○0 40346845
7 NPBR	330 Dr(Cw) 636-O/24	713 HYc(BCw) 934-O/9	○0 40547303
30 HmYc 924-O/2	333 HBCw 945-O/11	721 Dr(Cw)(S) 736-O/20	40576827 CwH 934-O/12
37 HYc(CwB) 926-O/7	353 DrH 739-O/22	730 HwCw(S) 835-O/13	○40 40846944 CwBa(Ss) 111-24/24 GL02
39 YcH(BCw) 925-O/7	360 HYcCw 944-O/11	736 HBS(Yc) 954-O/15	40967224 HwSs 114-18/18 GL98
42 HB 936-O/9	361 HYcCw 944-O/11	○14 738 HwCw 211-21/21 GL90	○39 41766753 HwCw(SsBa) 110-24 GL02
46 HB(Yc) 935-O/9	367 NPBR	○19 740 HwCw(Ba) 211-22/22 GL96	○22 41867388 HwCw(Ss) 113-27/27 GL98
47 HBYc 935-O/7	372 BHCw(Yc) 944-O/9	○4 742 HwS(s) 337-22/21 GL60	○22 41867361 HwCwSs 114-16/16 GL98
50 YcH(PlCw) 921-O/6 NP	○2 401 HwCw(Ba) 228-22/22 GL79	○5 746 HwDrSs(Cw) 329-22/18 GL60	42636638 NPBR
52 YcHwPl(Cw) 924-O/6	403 CwYc(H) 934-O/11	○5 747 HwS(s) 337-22/21 GL60	○41 44017629 CwHw(Ss) 110-24 GL02
57 YcHwPl(Cw) 924-O/6	430 HCw(Yc) 828-O/9	○2 750 DrHwCw 228-22/22 GL79	47992106 HYcB(Cw) 934-O/9
60 YcHB 924-O/7	457 CwHYc 936-O/11	757 CwS(H) 934-O/12	○5 50776218 HwDrSs(Cw) 329-22/18 GL60
86 HwCw(S) 944-O/14	○5 471 HwSS(Dr) 331-22/22 GL60	8658719 CwYcH 945-O/13	51978877 HS(Cw) 955-O/13
88 CwH(S) 925-O/8	○29 490 HwSS(Ba) 221-22/22 GL86	8668644/L HwCwBaSs 834-25/10 GL04	○24 86578962 HwSS 431-O/21 GN77
91 HCwS 944-O/10	507 HYc(B) 922-O/5 AF	8648578 CwYcH 945-O/13	
106 Cw(HS) 934-O/10	538 CwYcPl 921-O/6 NP	8968662/L HwCwBa(Yc) 834-24/10 GL04	
112 HwS(B) 956-O/18	562 Dr 538-O/18	9108711 YcH(PlCw) 921-O/6 NP	
124 CwYcH(S) 935-O/11	586 CwHB(Yc) 921-O/5 NP	9398549/L HwCwBa(Ss) 834-25/10 GL04	
126 H(S) 944-O/14	587 CwYcH 926-O/8	10128726 Cw(YcHw) 945-O/15	
217 HYcB 934-O/10	588 CwH(Yc) 925-O/8	11008536 YcCw(H) 925-O/8	
218 YcCwB(H) 824-O/6	622 HB(Yc) 946-O/12	○51 11158663 HwCw(Ss) 111-20/20 GL08	
227 YcH(B) 923-O/5	625 CwH(BYc) 946-O/14	11398750 Cw(Hw) 945-O/13	
241 HmYc 823-O/3 AF	627 Dr(H) 539-O/17	○51 11698761 HwCw(Ss) 111-20/20 GL08	
244 HmYc 927-O/2	628 CwPl(H) 921-O/6 NP	12608603 CwHw(S) 955-O/16	
247 HCw(B) 924-O/7	631 HS(BCw) 954-O/15	○51 12998610 HwCw(Ss) 111-20/20 GL08	
261 R	644 HCwS 954-O/13	○52 15308369 CwSs 110-23/23 GL08	
280 Dr(SH) 527-O/16	647 Dr 421-O/18	15987783 S(HCw) 964-O/21	
282 HSCw 946-O/12	650 CwYc(Hw) 934-O/11	○24 30997258 Hw(Ss) 110-20/20 GL98	
283 CwH(Yc) 925-O/7	657 HCw(BYc) 935-O/8	○24 35107221 HwCw(Ba) 113-27/27 GL98	
286 SH(BCw) 954-O/14	666 BH 934-O/6	○23 35997018 HwSs(YcCw) 113-27/27 GL98	
287 CwPl(YcH) 924-O/7	670 CwYcH 922-O/7 AF	○23 36016991 HwYc 112-16/16 GL98	
288 DrSCw 535-O/24	673 HBCw(S) 945-O/12	○31 36977183 HwCw(Ba) 110-16 GL02	
294 SH(Cw) 953-O/12	674 YcCwH 921-O/7 NP	○0 37617146	