BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

103I061

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 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)
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	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.

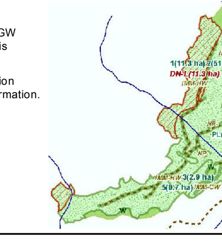
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

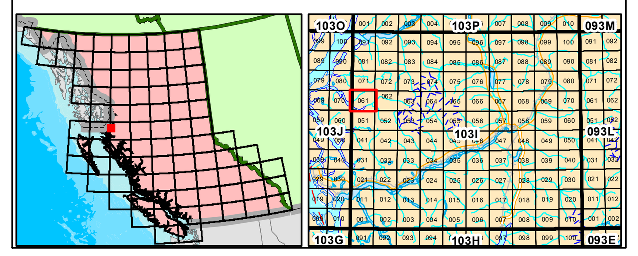
Example Opening History Details

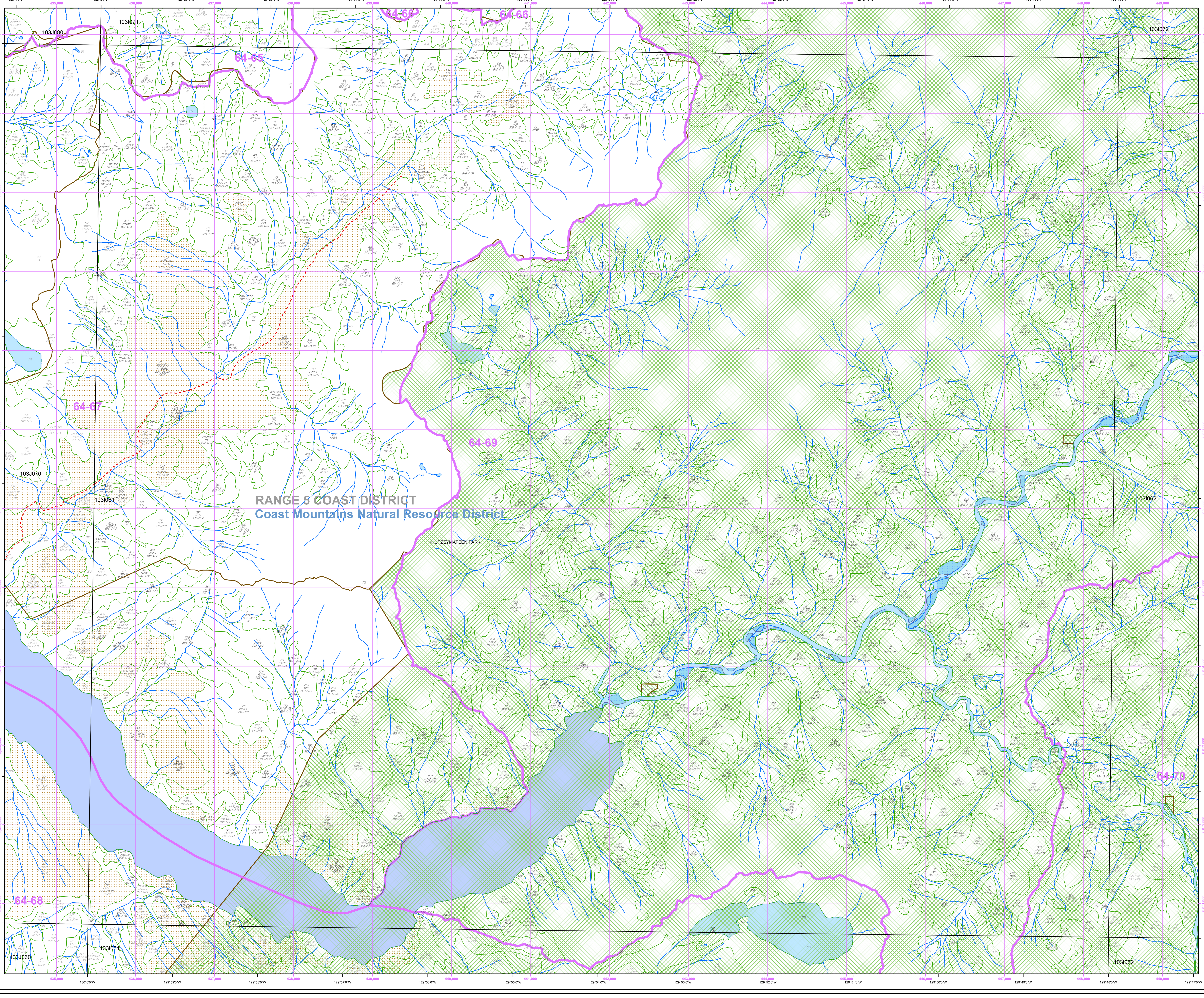
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

3 HmYc 933-O/3 AF	222 S(H) 975-O/24	421 HCw(S) 726-O/8	780 HSB 965-O/16	○3 931 Hw(Ba) 338-23/22 GL51
13 HYc(B) 925-O/6	251 HS 933-O/10	425 HSCw 944-O/12	782 HS(B) 964-O/18	○3 932 SsHw(CwDr) 329-23/16 GL51
16 HBYc 934-O/9	252 H(Yc) 923-O/6	445 H(S) 945-O/10	787 HCw(SB) 944-O/13	○3 933 Hw(Ba) 338-23/22 GL51
36 HYc(SB) 946-O/11	253 HS 933-O/10	460 HB(SCw) 944-O/11	788 SHCw 945-O/9	○3 934 SsHw(CwDr) 329-23/16 GL51
41 Hm(Yc) 923-O/3	257 Hm 921-O/2 AF	490 H(S) 512-O	791 HCwS(B) 934-O/10	72836312 NPBR
46 Hm 813-O/2 AF	260 H 923-O/6	510 HmYc 933-O/4	801 HwCw(B) 944-O/11	
54 HSYc 934-O/9	261 H(S) 944-O/10	516 Hm(Yc) 923-O/3	802 HS 946-O/12	
○8 55/L DrHwCw(Ss) 424-O/13 NSR GL53	268 Hm 824-O/2 AF	530 HSAc 834-O/10	809 HCwS 845-O/12	
63 HmYc 944-O/5	269 Hm 923-O/3 AF	531 H(S) 946-O/11	817 HCwS(B) 955-O/16	
81 HSYcB 822-O/7	270 Hm 923-O/3 AF	539 Dr(S) 334-O/25	823 HYc(B)(Cw) 936-O/10	
90 HS 945-O/12	272 Hm 713-O/4 AF	541 S 973-O/27	827 HYc(CwS) 824-O/5	
95 HSCw 946-O/13	273 Hm 931-O/3 AF	542 HS(B) 834-O/11	828 SH(B) 954-O/14	
103 HS(BCw) 625-O/10	275 Hm 826-O/6	548 SH 964-O/20	833 SH(B) 955-O/13	
105 HS(BCw) 625-O/10	278 HS 944-O/12	556 HwS 944-O/12	834 HB(S) 826-O/7	
111 YcHm 924-O/6	279 HS 513-O/3	558 H(S) 935-O/10	839 HB(S) 825-O/7	
117 HS 943-O/13	○10 289 HwCw 326-O/16 GL54	560 HmYc 921-O/2 AF	844 HCwSB 955-O/15	
120 H 944-O/11	311 Hm(Yc) 932-O/3 AF	564 Hm 922-O/3 AF	848 Hm(YcB) 933-O/3 AF	
130 Hm(Yc) 513-O/3	326 H(SB) 944-O/12	566 HYc 935-O/9	851 Hm(YcB) 933-O/3 AF	
137 HmYc 922-O/3 AF	○8 328/L DrHwCw(Ss) 424-O/13 GL53	592 Dr(SH) 434-O/25	852 A	
139 HmYc 513-O/3	○3 332 HwDr(CwBaSs) 335-O/24 GL53	596 SH 972-O/24	856 Hm 932-O/3 AF	
148 Hm 921-O/3 AF	○8 334 Dr(CwHwSs) 237-23/23 GL53	652 Dr 336-O/24	859 H(S) 923-O/6	
156 Hm 934-O/4	○3 336 HwDr(CwBaSs) 335-O/24 GL53	654 HS(B) 935-O/9	862 HYc 912-O/4 AF	
159 Hm 921-O/3 AF	342 HS 954-O/13	665 SHAc 953-O/18	865 HB(SYc) 933-O/9	
160 HS 824-O/9	370 HYc 926-O/6	684 HSCw(B) 934-O/10	867 HSB 934-O/10	
162 HS 944-O/12	371 HB(YcCw) 935-O/8	687 Dr 336-23/23	868 Hm 923-O/3 AF	
163 H(S) 944-O/11	376 HS(B) 836-O/12	689 Dr(S) 334-23/23	874 HYc 935-O/9	
172 NPBR	388 HB(SYc) 935-O/9	690 HSCw(B) 934-O/10	884 HS(YcCwB) 936-O/9	
173 H(SYc) 936-O/10	390 HmB 935-O/3	693 Dr 336-23/23	900 HS(CwBYc) 944-O/11	
177 Hm(Yc) 922-O/3 AF	403 HS 946-O/12	696 Dr 336-23/23	902 HS(Cw) 943-O/12	
183 HS 944-O/12	405 HS 945-O/10	697 SDr 455-O/36	903 HYc 924-O/5	
189 HS(Yc) 935-O/7	407 HS 935-O/10	702 S(H) 974-O/27	906 HmYc 921-O/2 AF	
196 Hm 824-O/4	408 HS 944-O/10	706 Dr(S) 435-O/25	907 HYc 934-O/9	
216 H(S) 944-O/10	414 H(YcS) 945-O/10	708 SDr 843-O/13	908 YcHm 933-O/11	
219 Hm(Yc) 924-O/3	416 H(BS) 412-O/2	731 HS(Cw) 944-O/12	○8 928 DrCw 228-22/22 GL80	
220 HS(BYc) 934-O/9	417 HYc(S) 933-O/10	738 HCw(YcS) 822-O/5	○3 930 SsHw(CwDr) 329-23/16 GL51	