Vegetation Map
103G060

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:

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

EXOTICS

Code	Name
	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 graminoids > 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	LAVABED	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.

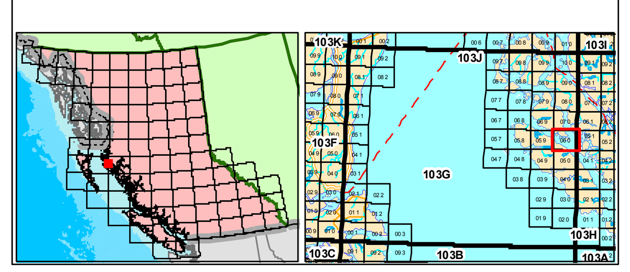
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

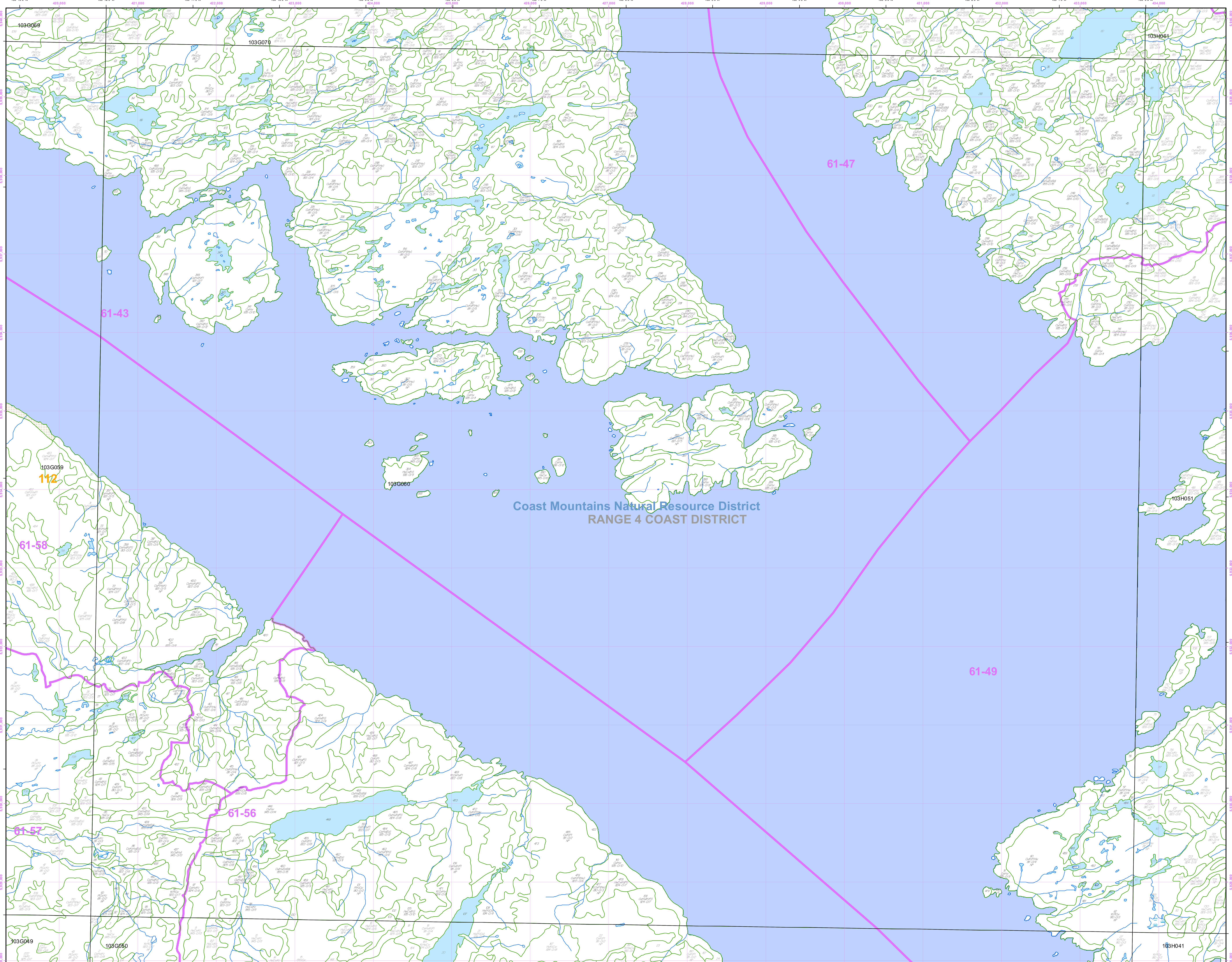
Example Opening History Details

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

2 HwYcCw(Pl) 825-0/8	114 CwYcPl(Hw) 821-0/6 NP	229 HwCwPl(Yc) 824-0/7	360 CwYcPl(Hw) 811-0/5 NP	489 HwCw(Yc) 825-0/7
4 HwCw(Yc) 714-0/3	115 CwYcPl 822-0/6 NP	232 Cw(Hw) 935-0/10	361 HwCw(Yc) 826-0/7	492 CwHw(YcPl) 823-0/7
8 HwCw(Yc) 813-0/3	116 CwHw 824-0/8	233 CwHw(Pl) 825-0/9	363 HwCw 936-0/8	493 CwHw 825-0/9
12 HwCw 825-0/8	119 CwYcPl(Hw) 821-0/6 NP	238 CwYcPl 821-0/6 NP	366 CwHw 935-0/12	497 CwYcPl 821-0/6 NP
18 HwCw(Yc) 824-0/7	123 CwHw(Yc) 823-0/6	241 CwYcPl 821-0/6 NP	367 CwHw 824-0/8	499 CwHw(Ss) 935-0/12
20 CwYcHw 823-0/8	129 CwYcPl(Hw) 821-0/6 NP	243 CwYcPl 821-0/6 NP	368 CwHw 935-0/10	501 CwYc(Hw) 824-0/8
22 CwPlYc 811-0/4 NP	133 HwCwYc(Pl) 823-0/6	245 CwYcPl 822-0/6 NP	369 HwCw 933-0/7	
25 HwCw 826-0/8	136 CwYcPl(Hw) 821-0/6 NP	247 Cw(Hw) 933-0/9	371 CwHw(YcPl) 823-0/5	
26 CwHw 825-0/9	137 CwYcPl(Hw) 821-0/6 NP	253 HwCw(YcSs) 825-0/8	373 CwHw(YcPl) 823-0/5	
28 CwYcHw(Pl) 811-0/2 NP	144 HwCwYc 824-0/7	257 CwYcHw(Pl) 821-0/6 NP	376 CwHw 935-0/10	
30 CwYcPl 821-0/6 NP	145 CwHw(YcPl) 813-0/4	262 HwCwYc 824-0/7	377 CwHw 935-0/10	
32 CwHw 945-0/14	149 CwHwPl(Yc) 821-0/6 NP	272 CwHw(Yc) 825-0/9	378 CwHw 922-0/8 NP	
34 CwHw 824-0/9	161 CwHw 822-0/6	279 CwPl(YcHw) 812-0/5	379 CwHw 922-0/8 NP	
35 CwHw(YcPl) 824-0/9	166 CwHw(Yc) 822-0/6	281 HwCw(SsYc) 934-0/9	387 CwHw(YcPl) 824-0/9	
37 CwHw(YcPl) 824-0/9	167 CwHw(YcPl) 822-0/8	287 CwYcPl(Hw) 811-0/3 NP	391 CwPl(YcHw) 826-0/7	
41 CwHwYcPl 822-0/6	170 CwHw(YcPl) 823-0/9	305 CwYcPl(Hw) 811-0/5 NP	392 CwHw(Yc) 935-0/10	
44 CwYcPl 823-0/9	172 Cw(Hw) 935-0/9	307 CwHw 935-0/12	393 CwHw 933-0/9	
50 Cw(Hw) 826-0/9	176 CwHw 825-0/9	308 CwHw 935-0/10	411 CwHw 935-0/11	
56 CwHw 935-0/11	178 CwYcPl 813-0/3	309 CwHw 935-0/10	417 CwYcPlHw 811-0/4 NP	
58 HwCwYc(Pl) 823-0/6	181 CwHwYc 822-0/5	310 CwHw(Yc) 935-0/12	420 CwHw(Ss) 945-0/13	
63 HwCw 935-0/8	183 CwHw(YcPl) 823-0/7	311 HwCw 933-0/8	422 HwCw(Ss) 935-0/10	
64 PlYcCw 823-0/6	189 CwHw(SsBaYc) 935-0/11	313 CwYcPl 824-0/8	430 CwYcHwPl 823-0/7	
65 CwHw(Yc) 935-0/9	192 CwPl(YcHw) 824-0/8	319 CwYcPl 823-0/6	432 CwHwPl(Yc) 824-0/9	
70 CwHw 935-0/10	195 CwYcPl 821-0/6 NP	327 CwYcPl(Hw) 811-0/5 NP	436 CwHwYc 825-0/8	
71 HwCwSs 935-0/9	197 CwHw(YcPl) 825-0/9	332 HwCw 933-0/8	438 CwYcPl 822-0/6	
77 HwYcCwPl 823-0/5	199 YcCw(HwPl) 823-0/9	334 HwCw(YcSsBa) 825-0/8	440 CwHw(YcSs) 934-0/9	
78 PlCwYc 811-0/2 NP	200 CwHw(Ss) 945-0/12	336 HwCw(YcSsBa) 823-0/7	441 CwYc(Hw) 824-0/8	
80 CwHw 935-0/12	201 CwYcPl 821-0/6 NP	340 CwHwSs 944-0/13	444 Dr 427-0/17	
88 CwHwYc(Pl) 935-0/9	202 Cw 945-0/12	343 R	451 SsCw(Hw) 954-0/9	
92 CwHw 824-0/7	206 CwHw 945-0/12	348 CwYc(HwPl) 824-0/9	452 Dr 427-0/17	
94 HwCw 945-0/12	209 Cw(Hw) 836-0/11	351 CwHw(Ss) 935-0/10	456 Cw(Yc) 935-0/10	
100 HwCwYc 925-0/5	211 CwYcPl 821-0/6 NP	353 CwHw 933-0/9	458 HwCwYc 945-0/13	
102 Hw(CwYc) 924-0/6	215 CwYc(HwPl) 822-0/8	355 CwHw 935-0/12	473 CwYcHwPl(Ss) 823-0/9	
103 PlYcCw 910-0/2 NP	223 YcCwPl 811-0/3 NP	356 CwHw 935-0/9	479 CwHw 934-0/11	
104 HwCwYc 925-0/5	228 CwYcPl(Hw) 823-0/7	359 CwHw 935-0/12	481 HwCw(YcSs) 923-0/7	