Vegetation Map
103G050

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:

○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

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 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
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
br	BEDROCK	ll	LANDING	ot	OTHER
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	pn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
es	EXPOSED SOILS	mn	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

rm	RESERVOIR MARGIN
rn	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	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

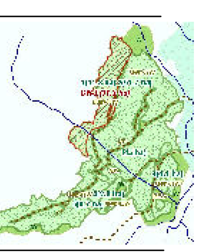
Line 6 - Disturbance History

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				

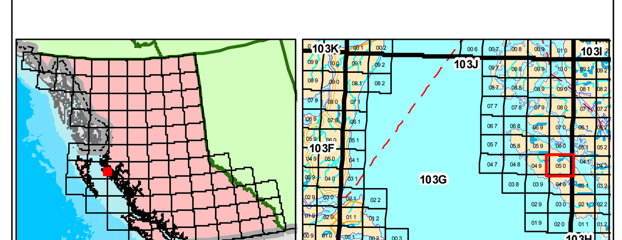
Example Opening History Details

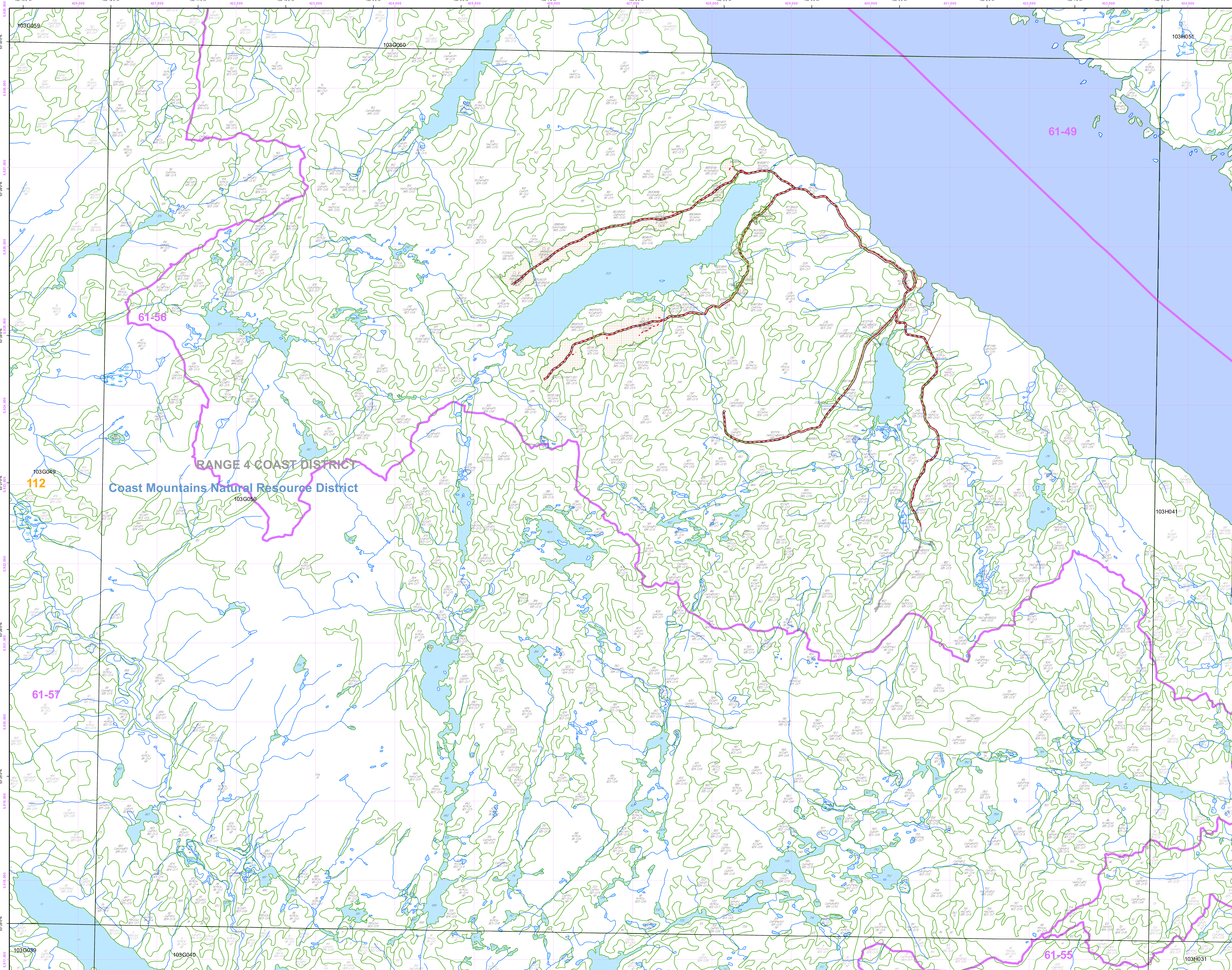
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.



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 CwHw 824-0/7	110 CwYcPl(Hw) 922-0/7 NP	234 HwCw(Ss) 954-0/14	435 CwHw(YcPl) 922-0/5	656 HwCw(SsBa) 934-0/8	5167639 CwDrHw 111-20/20 GL02
4 CwHwYc 925-0/7	113 CwPl(YcHw) 923-0/7	244 CwYcHw(Pl) 921-0/6 NP	443 CwYcHw(Pl) 924-0/8	657 HwYcCw 823-0/5	77228069 Dr 436-0/18
11 HwCw 934-0/8	115 Cw 935-0/10	245 CwYcHw(Pl) 923-0/6	444 YcCwPl 911-0/3 NP	668 CwHwYc(Pl) 935-0/10	78888323 Dr 436-0/18
18 HwCw(Yc) 935-0/10	116 CwHw(BaSs) 945-0/15	247 Cw(YcSs) 944-0/13	450 CwYcHw 924-0/8	669 PlCwYc 813-0/3	80427292 CwYcPl 824-0/6
23 CwHw(YcPl) 924-0/7	117 CwYc(Hw) 925-0/8	252 YcHwCw 825-0/8	453 CwYcHw(Pl) 923-0/7	670 YcPl(Cw) 824-0/8	86767606 HwSsBa(Yc) 945-0/13
24 CwHw 935-0/10	119 CwYc(Hw) 816-0/6	255 CwYcPl 912-0/5 NP	459 CwYcHw(Pl) 923-0/7	673 PlCwYc 813-0/3	88198433 CwHwYc 945-0/13
28 PlYc(CwHw) 912-0	120 CwHw 826-0/9	268 CwYcPl(Hw) 924-0/7	460 CwYc 924-0/8	679 CwYc(HwPl) 923-0/9	90408420 CwHwYc 945-0/13
29 CwHw(Ss) 945-0/12	121 CwYc(HwPl) 911-0/3 NP	284 CwYcPl(Hw) 824-0/7	464 CwYc(HwPl) 922-0/5	684 YcPlCw(Hw) 811-0/2 NP	92218714 CwHwBaSs(Yc) 945-0/13
30 YcCwPl 910-0/3 NP	123 CwHw(YcPl) 911-0/3 NP	299 CwYcPl(Hw) 911-0/4 NP	466 CwYc(Pl) 924-0/7	685 PlYcCw 823-0/4	○10 94447968 CwYc 111-20/20 GL06
34 CwPlYc 924-0/7	126 HwCwYc 923-0/6	300 HwYc(Cw) 933-0/9	467 CwYc(HwPl) 922-0/5	686 PlYcCw 823-0/4	○10 94568253 CwYc 111-20/20 GL06
38 CwYcPlHw 921-0/5 NP	128 HwCwYc 935-0/10	321 YcCwPl 923-0/5	471 CwYcPl(Hw) 923-0/7	693 PlYc(Cw) 812-0/2 NP	○10 94667926 CwSsBa 111-24/24 GL06
45 CwYcPlHw 921-0/5 NP	142 HwCw(YcSs) 935-0/10	324 YcCwPl 923-0/5	481 NPBR	694 PlYc(Cw) 812-0/2 NP	94888914 YcCwHw(Ss) 935-0/10
47 CwYc(HwPl) 911-0/3 NP	145 HwCw(YcSs) 935-0/10	334 CwYcHw 826-0/8	483 CwYcHw 925-0/7	695 PlYc(Cw) 812-0/2 NP	○10 95318219 CwSsBa 111-24/24 GL06
48 YcCwPl 813-0/5	148 Hw(CwYc) 924-0/6	346 NPBR	489 YcPlCw 923-0/5	696 PlYcCw 921-0/6 NP	○10 96078480 CwSsBa 111-24/24 GL06
49 CwHw(YcPl) 826-0/6	149 YcPlCw 923-0/6	350 YcPlCw(Hw) 923-0/8	494 YcPlCw 923-0/5	698 CwHw 935-0/10	○10 96318543 CwSsBa 111-24/24 GL06
52 CwYc(HwPl) 911-0/3 NP	155 CwHw(YcPl) 824-0/6	351 YcPlCw 924-0/7	501 CwHwYc 925-0/8	700 YcCwPl(Hw) 921-0/6 NP	○10 96948527 CwSsBa 111-24/24 GL06
63 CwHwYc 813-0/5	156 HwCw(YcPl) 824-0/6	352 YcPlCw 924-0/7	503 CwYcPl 911-0/3 NP	704 CwYc(Pl) 922-0/7	99686837 CwPl(YcHw) 923-0/5
66 CwHw(YcBaSs) 935-0/12	164 CwYcPl(Hw) 912-0/4 NP	353 YcPlCw 924-0/7	507 CwYcPlHw 921-0/5 NP	706 YcCwPl 922-0/6 NP	
67 YcPlCw 911-0/3 NP	170 HwYc(CwPl) 923-0/5	355 CwYcPl 924-0/7	508 CwYcPlHw 921-0/5 NP	730 CwHw 934-0/10	
73 CwYcHw 935-0/10	171 CwHw(YcBa) 925-0/8	358 YcPlCw 924-0/7	519 CwYcPl 911-0/3 NP	736 CwHw 935-0/9	
74 CwYcHw 935-0/10	177 CwHw 945-0/12	359 HwCw(YcPl) 923-0/6	521 YcCwPl 911-0/3 NP	739 HwCw(Yc) 934-0/9	
77 PlYc(Cw) 812-0/4	181 CwHw(YcBa) 945-0/14	360 PlYcCw 813-0/3	522 CwHwYc 935-0/10	748 CwHw(Yc) 933-0/10	
81 CwYc(Pl) 824-0/9	188 CwYc(Hw) 824-0/8	361 CwYcHw(Ss) 934-0/9	525 CwYcHw 933-0/9	768 Hw 944-0/11	
82 YcPlCw 823-0/8	189 HwYc(CwPl) 924-0/7	366 HwCwYc 924-0/6	526 CwPl(Yc) 921-0/7 NP	772 CwYc(HwPl) 911-0/3 NP	
90 PlYcCw 911-0/2 NP	191 HwYc(CwPl) 923-0/7	369 PlYcCw 923-0/4	529 CwHw(YcBaSs) 945-0/14	775 CwYc(HwPl) 911-0/3 NP	
92 PlYcCw 911-0/2 NP	192 YcCwHw(Ss) 926-0/8	372 YcPlCw 911-0/4 NP	543 CwHwYc 945-0/13	783 CwHwYc 935-0/10	
93 YcPlCw 923-0/8	197 CwYcPl 923-0/5	373 CwYc(Pl) 924-0/6	556 CwYcSs 923-0/9	784 CwPl(YcHw) 923-0/7	
96 YcPlCw 923-0/8	210 R	384 R	557 CwHw(YcBaSs) 945-0/14	788 YcPlCw 910-0/2 NP	
99 CwPlYc 821-0/6 NP	213 R	387 PlYcCw 823-0/4	571 CwYcPl(Hw) 911-0/4 NP	887045 HwCw(BaSs) 112-28/28 GL02	
100 CwHw(Ss) 934-0/10	214 CwHw 934-0/10	391 YcPlCw 921-0/5 NP	621 PlYc(Cw) 822-0/6 NP	2337304/L HwCw 934-11/7 GL02	
101 CwPl(HwYc) 921-0/5 NP	222 CwYcHw 935-0/9	417 CwYc(Hw) 923-0/8	633 HwCw(YcPl) 923-0/5	2947347 CwHw 112-23/23 GL02	
102 CwPlYc 924-0/8	224 CwYcHw 824-0/8	420 CwYcPl(Hw) 923-0/7	639 YcPlCw 921-0/5 NP	3907249 CwYc(HwPl) 921-0/6 NP	
106 YcCwPl 922-0/7	227 YcPlCw 922-0/5 NP	430 CwHw(YcPl) 922-0/7	646 PlYc(Cw) 823-0/6	4347444 HwYcCw(BaSs) 945-0/11	
107 PlYc(CwHw) 823-0/7	231 CwHw(YcBaSs) 935-0/11	431 HwCw(YcBaSs) 934-0/9	647 CwYcPl(Hw) 923-0/7	4487560 Dr 836-0/20	