083D083

Vegetation Map

083D083

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   blnk - 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 hybrid
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	rm 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

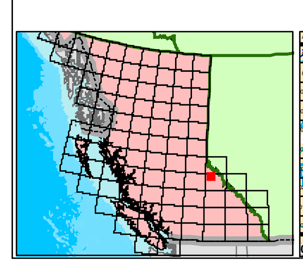
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

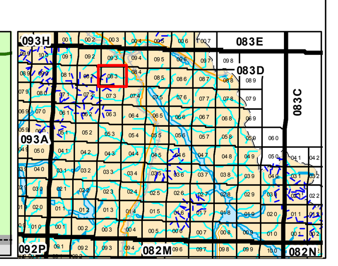
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

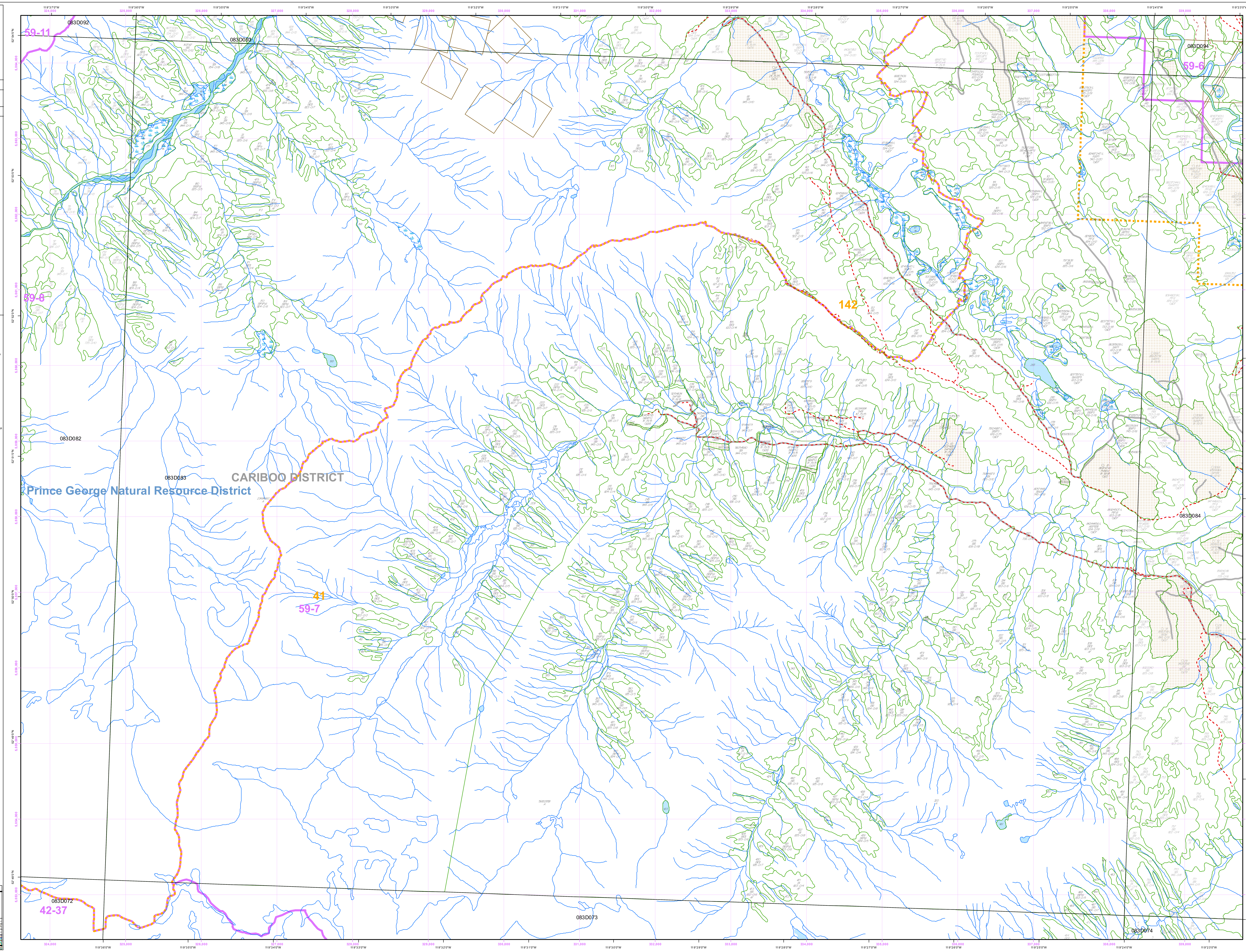
Example Opening History Details

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

2 B(S) 834-O/6	173 BPa 833-O/5	349 B(S) 833-O/5 AF	441 SBl 935-O/6	63874886 BSx 112-15/15 G.L03	87954967/L BPl(S) 742-O/17 G.L07
9 SBl 845-O/12	190 BS 835-O/11	354 Bl 824-O/5 AF	445 Bl 823-O/5 AF	64274829 SBl 645-19/19	88324354/L FdPl 633-O/16 G.L07
11 B(S) 834-O/8	192 B(Pa) 824-O/4	355 Bl 823-O/3 AF	448 SBl 944-O/10	65005023 SBl 835-10/10	
17 BS 833-O/5	193 B(SPa) 823-O/4 AF	359 Bl 823-O/4 AF	449 BS 934-O/5	65362216 B(S) 526-O/10	
22 A	194 B(SPa) 822-O/4 AF	360 Bl 825-O/4 AF	450 Bl 822-O/4 AF	66076214 SBl 945-O/10	
25 BS 834-O/9	195 B(SPa) 823-O/3	361 Bl 822-O/3 AF	451 B(S) 834-O/6	73076028/L SB(Pl) 632-O/16 G.L07	
32 BS 833-O/9	197 Bl 814-O/3 AF	366 BS 836-O/8	453 Bl 832-O/5 AF	○ 10 73104972 SePl(Bl) 110-15/15 G.L02	
37 NPBR	209 BS 834-O/7	367 B(S) 835-O/9	454 Bl 833-O/5 AF	73315075 SBl 835-O/10	
41 BS 833-O/8	210 SBl 944-O/7	382 B(S) 826-O/7	455 BS 944-O/10	74744945 SBl 835-O/10	
42 Bl 833-O/6 AF	211 B(S) 835-O/8	384 BS 935-O/7	456 B(Pa) 823-O/5 AF	75047739 SB(Fd) 636-O/15	
43 Bl 822-O/6 AF	214 Bl 832-O/5 NP	385 B(S) 933-O/5	457 B(Pa) 822-O/4 AF	76257425 SBl 544-O/21	
45 Bl 823-O/4 AF	221 B(S) 835-O/6	386 SBl 934-O/6	460 B(Pa) 922-O/3 AF	76407786 SB(Pl) 633-O/13	
47 Bl 822-O/3 AF	223 Bl 823-O/4 AF	388 B(Pa) 833-O/5	462 Bl 822-O/4 AF	76927749 SA(B)(Pl) 545-O/21	
48 Bl 822-O/4 AF	224 SBl 935-O/5	391 B(SPa) 933-O/5	463 Bl 823-O/5 AF	77237799/L At(SPl) 634-O/16 G.L11	
53 Bl 823-O/3 AF	251 B(S) 826-O/9	393 BS 935-O/6	464 Bl 833-O/5 AF	77457184 SB(Pl) 533-O/18	
54 Bl 823-O/3 AF	254 BS 835-O/7	394 B(S) 935-O/5	465 Bl 833-O/5 AF	77807560 CwB(Pl(S)xEp) 111-17/17 G.L10	
57 Bl 623-O/5 NP	255 BS 636-O/16	398 Bl 823-O/5 AF	466 Bl 823-O/5	77907705 CwB(Pl(S)xEp) 111-17/17 G.L10	
67 BS 834-O/8 G.L84	257 BS 835-O/6	399 Bl 613-O/3 AF	469 B(S) 824-O/4	78007789 SB(Fd) 636-O/15	
74 SBl 945-O/9	270 BS 635-O/13	400 Bl 822-O/3 AF	470 B(S) 825-O/4	8193882 BSxPl 111-15/15 G.L10	
78 SBl 543-O/20	273 SBl 835-O/10	403 BS 835-O/7	472 Bl 822-O/5 AF	82606312 BSxPl(Cw) 111-20/20 G.L11	
107 SBl 635-O/15	279 SB(l) 632-O/15 NP	406 BS 934-O/10	480 BS 935-O/6	82665003/L BS(AtPl) 635-O/14 G.L08	
108 *	302 SB(l) 954-O/18	407 Bl 823-O/4	482 B(Pa) 823-O/3 AF	○ 1005 82834688 BSxPl(At) 111-15/15 G.L11	
128 SB(Pl) 632-O/13 NP	310 B(S) 834-O/9	414 B(S) 934-O/5	483 B(Pa) 823-O/4 AF	82845937/L Pl(B(At)) 535-O/17 G.L07	
133 B(S) 834-O/7	311 BS 835-O/10	415 Bl 823-O/4 AF	50144908 BS 636-O/13	82875626 BSxPl 111-15/15 G.L10	
136 BS 834-O/9	314 B(S) 834-O/8	416 Bl 934-O/5	51195019 BS 636-O/15	83306268 B(S) 835-O/6	
146 B(S) 923-O/4	318 B(S) 824-O/4	418 Bl 822-O/3 AF	○ 4 51384735 SPl 110-10/10 G.L99	83317369 G.L10	
151 Bl 822-O/7 AF	324 B(S) 933-O/4 NP	419 Bl 822-O/3 AF	○ 3 55704816 SPl 110-7/7 G.L99	83646630 BSxPl(At) 111-15/15 G.L11	
152 Bl 622-O/8 AF	329 BS 933-O/5 NP	422 Bl 832-O/5 AF	○ 6 58794650 SPl 110-11/11 G.L99	84607302 G.L10	
156 NPBR	335 NPBR	424 B(SPa) 934-O/5	59864807 *	85265172 SBl 633-O/16 NP	
158 Bl 623-O/11 AF	336 R	425 B(S) 824-O/6	60914903 BSx 112-15/15 G.L03	86096956/L FdAtPl(S) 645-O/19 G.L08	
162 Bl 822-O/6 AF	342 B(S) 834-O/5	426 Bl 834-O/7 AF	61654488 SBl 944-O/10	86656088/L At(PS) 534-O/19 G.L07	
165 B(S) 823-O/4 AF	343 Bl 822-O/4 AF	427 B(S) 824-O/6	62664912 BSx 112-15/15 G.L03	86915760/L PlFd 832-O/12 G.L07	
166 B(Pa) 834-O/8	344 BS 834-O/6	429 B(Pa) 824-O/7	63364920 SxBl 112-15/15 G.L03	87185253/L PlAt 534-O/15 G.L07	
168 B(Pa) 822-O/4 AF	348 Bl 812-O AF	433 BS 935-O/7	○ 6 63804624 SPl 110-11/11 G.L99	87625409 SBl 633-O/15 NP	

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