BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map

103P020

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
- Sivicultre 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 *Shagbark 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
ll 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.

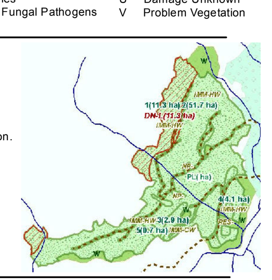
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

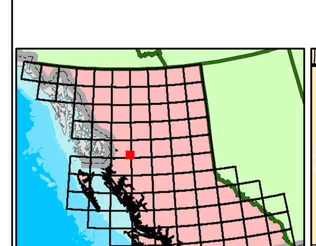
Example Opening History Details

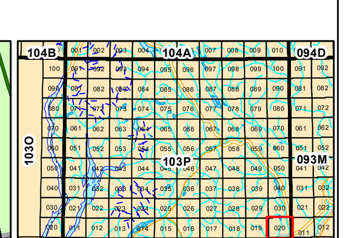
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

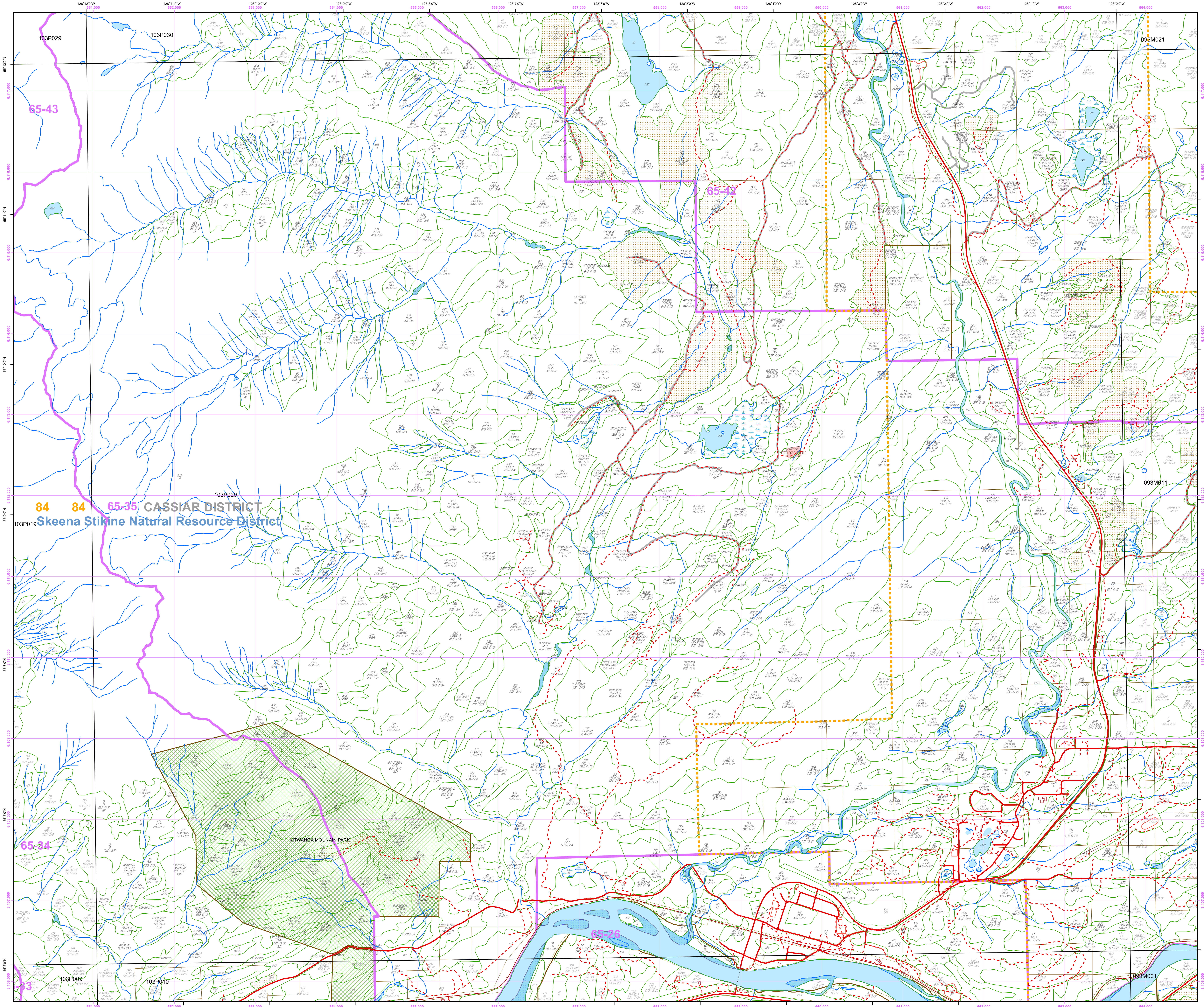
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

1 HB(CwAc) 808-O/12	231 At(E)p 412-O/6 NP	696 HmB 823-O/4 AF	19696502 HCwAt 836-O/10	92984020 HwAt(E)pCwAc) 737-22/12
2 AcSH 844-O/17	232 At(AcE)p) 435-O/22	702 HmB 835-O/4	22356568/L At(P(E)p) 531-O/15 GI11	93353942 EpP(Sx(Hw)) 112-21/21 GL99
3 At(E)pPl 521-O/8 NP	233 At(E)p(AcS) 434-O/18	710 BHm 824-O/4	29985470 CwAcE)p(S) 736-O/14	93483868 HwAt(E)pCwAc) 737-22/12
7 HE)pCw(AtPl) 835-O/12	234 At 536-O/21	719 HB(Cw) 837-O/13	○12 31037018 PlS 210-11/11 GL91	94343989 At(E)pP(H) 734-O/16
24 B(H) 523-O/8 NP	235 At(Ac) 635-O/19	○13 725 CwHB 943-O/13	31616126 HP(SE)p) 736-O/11	94375414 HwB(Cw) 647-O/22
26 CwB(PlAc) 845-O/12	236 At 436-O/20	○13 729 HwB(Cw) 944-O/12	○3 31686057 EpHw(Cw) 114-20 GL81	○22 96105310
51 R	238 At(E)p 424-O/14	730 HB(Cw) 955-O/14	○3 32056044 EpHw(Cw) 114-20 GL81	96255283 H 947-O/15
60 R	244 At(AcE)p(S) 645-O/24	744 H 837-O/11	○3 32086069 EpHw(Cw) 114-20 GL81	96664173/L Pl(H) 835-O/16 GI11
66 R	274 NPBR	746 H 948-O/12	32224938 AcP(E)p(S) 743-O/21	97095495 H 947-O/15
82 At(E)p 635-O/16	275 PlAc(SE)p) 535-O/16	749 HP(BCw) 527-O/9	○3 32505896 EpHw(Cw) 114-20 GL81	97955447 SxCwHw(Pl) 112-20/20 GL01
97 SAc(E)p(Cw) 844-O/17	281 EpCw(AcAt) 735-O/18	752 H(P(B)) 527-O/10	○4 32554924 EpAt(B)P(S) 231-27/27 GL84	98256398 H(Cw) 946-O/13
97 P(At) 734-O/18	318 EpP(H) 523-O/9 NP	804 HCw 944-O/13	32926144 HP(E)p(S) 736-O/11	99836259 HCwB 945-O/12
99 SE)p(BAc) 834-O/14	327 PlHw(B) 637-O/15	805 HS(PlCw) 537-O/15	33765627 AtP(SE)p) 634-O/15	
107 At(Pl) 512-O/6 NP	328 EpP(H) 637-O/14	807 AtAc 741-O/20	34026131 HP(SE)p) 736-O/11	
109 At 526-O/13	354 HCw(SAc) 845-O/12	813 SE)p(AcAt) 536-O/19	○3 34266019 EpHw(Cw) 114-20 GL81	
112 G	411 BS(H) 835-O/7	815 HCwB 954-O/14	34684567 At(E)p(S) 646-O/21	
124 At(E)p(PlAc) 646-O/21	○2 415 H(E)p) 525-13/13 GN14	○16 818 CwHw(Ss) 110-20/20 GL96	34906859 Sl	
127 AtAc 633-O/15	○7 425 HwSE)pP(Cw) 211-18/18 GL86	○15 820 CwSsBa 110-20/20 GL96	34935646 HP(E)p(Cw) 636-O/14	
131 At(AcS) 545-O/25	448 HS(BE)p) 537-O/16	○15 821 CwSsBa 110-20/20 GL96	35116437 H(SCw) 946-O/10	
141 Ac 853-O/33	481 CwSAc(H) 833-O/9	○15 822 BaSs(Cw) 110-20/20 GL96	35375892 HE)p(PlS) 538-O/15	
147 Ac(At) 853-O/27	483 R	○53 834/L B(E)pAt 532-O/14 GL88	63311854/L At(Pl) 512-O/7 GI11	
156 At(E)p 532-O/16	491 EpAc(AtS) 645-O/29	○53 835 EpP(SB) 221-20/20 GL88	64901534/L Pl(At) 522-O/9 GI11	
163 At 512-O/7 NP	496 At(E)p(Pl) 523-O/9	743703 EpHwSx(CwBa) 113-24/24 GL00	65555908/L AtPlE)p 525-O/10 GI11	
166 EpSAt 426-O/14	511 At(E)p(Pl) 524-O/12 NP	1503620 EpHwSx(CwBa) 113-24/24 GL00	68781876/L Pl(E)p) 521-O/9 NP GI11	
167 AcE)p(S) 844-O/20	523	1505192 H(Cw) 946-O/13	71131733/L Pl 524-O/12 GI11	
170 Ac 855-O/25	542 At(P(E)p) 526-O/12	2035546 H(B) 947-O/13	71294481/L Pl 511-O/7 NP GI11	
○6 171 PlAc(B(CwAt)) 223-20/20 GL75	551 At(Pl) 533-O/16	2153610 EpHw(BaPl(Sx)) 115-20/20 GL00	71761696/L PlAt 522-O/9 GI11	
173 Ac 855-O/25	556 At(SE)p(Pl) 523-O/14	4394215 HCw(B) 836-O/13	73671917/L Pl(E)p) 621-O/8 NP GI11	
179 At 521-O/9 NP	584 HAcCw 944-O/16	6144182 HwPl(SxBa(E)pCw) 111-24/24 GL99	76551544/L PlAt 637-O/14 GI11	
186 EpAcS 523-O/11	585 HAcCw 944-O/16	6184269 HwPl(SxBaCw) 113-25/25 GL99	77361538/L At(Pl(E)p)) 635-O/14 GI11	
191 SAtPl 644-O/19	602 NPBR	7244070 HwPl(SxBaE)p(Cw)) 113-25/25 GL99	82801555/L PlAt(E)p) 634-O/19 GI11	
192 At(E)p(S) 534-O/17	619 NPBR	7474309 HwPl(SxBaCw) 113-25/25 GL99	90374233 EpH(PlB) 623-O/11 NP	
210 At(Pl) 534-O/19	662 BHm 934-O/5	7994355 HwSxBa(E)pCw) 111-24/24 GL99	91704019 HwAt(E)pCwAc) 737-22/12	
219 EpAc 435-O/19	672 BHm 924-O/4	12985250 Pl(SxHw(E)p) 113-20/20 GL98	○19 9993861	
228 At(E)p(Ac) 214-12/12	681 B 825-O/7	16895975 HCw 945-O/14	92954559/L PlH(PlS) 735-O/13 GI11	