Vegetation Map

082L044

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 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	*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)
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	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	lL 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 COMMERCIAL 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

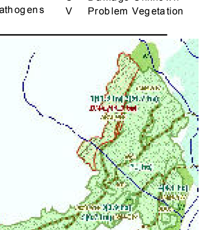
Line 6 - Disturbance History

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.

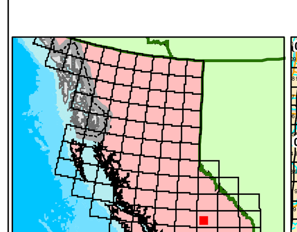
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

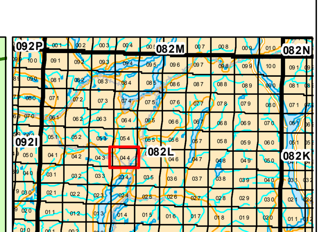
Example Opening History Details

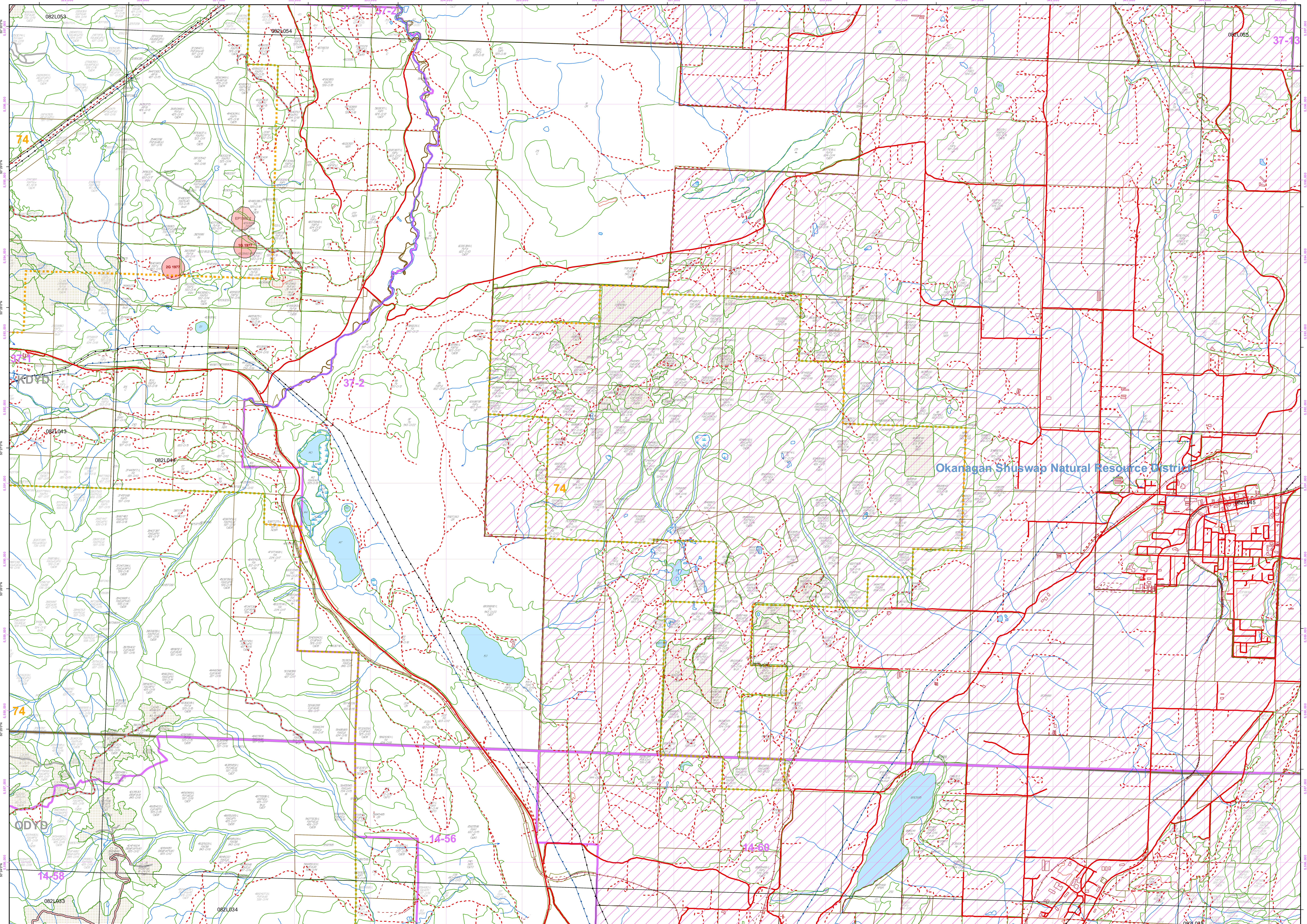
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.



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

46 Fd(E) 534-0/19	35749108 bu sl	47545876/L Fd(Se) 843-0/15	75849278 FdEp(Pl) 536-0/16	87347476 PlFdLw(At) 537-0/16
68/L CwFd(E) 645-0/16	36606758 FdEp(At) 537-0/15	48134865/L FdPlLw(At) 637-0/14 G1D8	76149021/L FdEp(Pl) 522-0/14 G1D8	○11 87557003 NSR G1B6
103/L Py(Fd) 634-0/14	36660224 Fd 435-0/19	48307094 Fd 744-0/20 he sl	○7 76319134/L FdPl(CwEp) 725-0/10 G1B9	87596766 FdECw 536-0/19
109 FdPy 633-0/18	36736664 FdEp(PlAt) 537-0/18	48826580/L Fd 224-0/17 sl	○7 77358970/L Fd(Pl) 726-0/10 G1B9	88189492/L FdCw(Pl) 736-0/17
111/L Fd(Py) 535-0/18	36776320 FdAt(Ep) 637-0/15	48829602/L Fd(Py) 734-0/16	77627855 Fd(E) 835-0/12	○15 88906867 he sl G1B4
115 Fd 836-0/15	37246028/L Fd(AtPl) 435-0/19 G1D8	49154866/L PlFdLw(At) 537-0/16 G1D8	77638902 FdEpCw(Pl) 537-0/16	8956995 FdCw 535-0/19
123/L Fd(At) 437-0/17	37799183 NSR	49231136/L PlFd 531-0 G1B0	78198952 Fd 835-0/12 he sl	88867971/L Fd(PlEp) 535-0/15 G1D8
148 Fd 536-0/19	38049787	49717397/L Fd 324-0/17 sl	78917278 FdCw(Bl) 834-0/15 G1B1	89106178 Fd 644-0/22
179 FdPy 733-0/12	38235168 BlSeFd(Pl) 845-0/14	54136740/L Fd 634-0/18	79826433 EAt 437-0/22	90189834/L FdPl(Ep) 545-0/21 G1D8
248 Py(Fd) 746-0/20	38540082 he G	5545643 EpAt(Fd) 436-0/18	80086271 FdE(Ep) 533-0/16 he sl	90257560 FdPy 544-0/20 sl
253 FdPy 846-0/16	39630722/L PlFd(At) 427-0/13 G1D4	55937195 Fd(AtPy) 533-0/18 he	80329340/L PlFd(Ep) 536-0/17 G1D8	9239928 FdCwE(Pl) 547-0/21
295 NSR	39785093 BlSeFd(Pl) 845-0/14	56244933 Fd(AtPl) 537-0/16	○2 80049744 FdCw 534-0/19 he G1B4	92868072 FdE(Pl) 736-0/14
296 Fd 735-0/16	40437149 Fd(LwAtPl) 636-0/17	57095573 EFdPl(At) 526-0/13	81279076/L PlFd 535-0/18 G1D8	93986828 he
297 FdPy 624-0/12	40857069 Fd(PlEp) 837-0/16	58179515/L AtPl 423-0/11 NP G1D8	81419441/L PlFd 835-0/15 G1D8	94047499 CR
69033 Fd(PFy) 835-0/12	○1046 40725724 PlFd(Ep) 538-0/15 G1D8	63628935/L FdEp(Py) 214-12/12	○7 85591136/L Fd 736-0/14 G1B9	94288896/L FdCw(Pl) 736-0/17
965728 FdPy 830-0/13 he ur	41269119/L PyFd 535-0/17 G1D5	63759093/L Fd 424-0/14 he sl	○10 81737042 sl pe G1B6	94348929/L FdE(Py) 446-0/24 G1D8
1118094 Fd(Ep) 633-0/17 ct he	41390133 he G	63799005 he br	82419817 FdEpCw 535-0/16	94908873 Fd(PyEp) 743-0/16 he
1646098 Fd(Act) 833-0/16 he	41480267 he G	64778939 FdAt(Pl) 313-12/12 he sl pr G	○7 82737390 FdPy 210-17/17 he sl G1B6	95559023/L Fd 834-0/12 G1D8
1845745 Fd(ActAt) 746-0/19	○1045 41775929 Fd(Se) 843-0/15 G1D8	64929170/L Fd 424-0/14 he sl	○7 82947356 FdPy 210-17/17 he sl G1B6	97198159/L Fd(PyEp) 830-0/12 fa G1D8
1876439	41958773 he	65938886/L Fd(Py) 731-0/13 he	83077626 FdCwEpPy(Pl) 112-21/21 G1B6	97376858 PyFd 534-0/18 sl
32431068 At(FdEpPl) 537-0/17	42109329/L Fd(Py) 533-0/15 sl G1D5	68448973 FdAtEp(Cw) 428-0/15	83107487 EpFd(CwPyPl) 112-20/20 G1B6	97497868/L Fd(Py) 843-0/17 he G1D8
32500883 Fd 210-18/18 sl he	42229532/L Fd(Py) 820-0/19 bu sl G1D5	68568038 FdE 833-0/12 G1B0	○7 83217770 FdPy 210-17/17 sl he G1B6	97517724/L Fd(Py) 843-0/19 he sl ur G1D8
32640834 At(FdEp(Fd) 438-0/16	42537597 Fd(PlAt) 844-0/17 he	70458854/L Fd(PlAt) 426-0/15	○7 83377187 FdPy 210-17/17 sl G1B6	98376218 FdPy 831-0/15 sl he ur
3271016 Fd 210-18/18 sl he	42809807 PyFd 630-0/11 bu	70799500 FdCwE 635-0/17	○7 84717497 FdPy 210-17/17 he sl G1B6	98788044 AtE 425-0/12
32760867 PlAtFd(Lw) 537-0/14	42988805/L FdPy 534-0/19 he G1D5	70981194 CwEpFd 748-0/15	85359888 FdCwPl 736-0/17	99976378 he
32870682 PlFd(AtEp) 538-0/16	43039182/L PyFd 630-0/11 bu G1D6	71189490 FdEpCw 826-0/10 sl he	85799893 FdCwPl 736-0/17	
32951035 BlSeFd(Pl) 836-0/11	43235276 Fd(AtPl) 647-0/18	71598735/L FdEp(Pl) 437-0/16 G1D8	85886681 FdE(Cw) 536-0/19	
33300420 At(FdEp) 424-0/14 bu	44270643 Fd(Py) 635-0/15	72039378 FdEpCw 826-0/10 sl he	86087127 FdE(Cw) 536-0/19	
33580330 Pl(FdEp) 421-0/15 bu	44880000/L FdPy 534-0/19 he sl G1D6	○7 72518861/L FdPl(Cw) 725-0/8 G1B9	86146536 FdAt 423-0/15	
3359003 he sl	○1 45049465 Fd(Py) 632-0/17 he G1B4	72618943 Ep(At) 737-0/17	86356168 Fd 644-0/22	
33849505 AtFdEp 323-0/17 sl bu	45057933 Fd 422-0/11	72768824/L EpFd(AtPl) 425-0/14 he G1D8	86398836 FdEpCw 535-0/16	
34061135/L Pl(FdLwAt) 527-0/13 G1D6	46184848/L PlFdLw(At) 526-0/13 G1D8	73029456 Fd 747-0/19	86406896 FdCw 535-0/19	
34421096 he sl	46389712/L Fd(Py) 544-0/20 he sl G1D7	75121955 Fd 747-0/19	○11 86676988 NSR G1B6	
35701012 PlFdLw(At) 537-0/16	47059698/L PyFd 540-0/18 he G1D7	75549885/L Fd(PyPl) 831-0/15	○2 86689743 FdCw 544-0/20 G1B5	
35747769 Fd 747-0/18	47419655/L PyFd 534-0/18 G1D8	○7 75628788/L PlFd(Cw) 426-0/14 G1B9	86839498/L FdE 438-0/19	