Vegetation Map
092O086

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
- Siviculture 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

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

EXOTICS

Code	Species
	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 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	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.

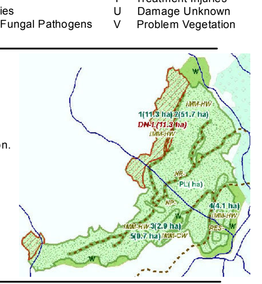
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

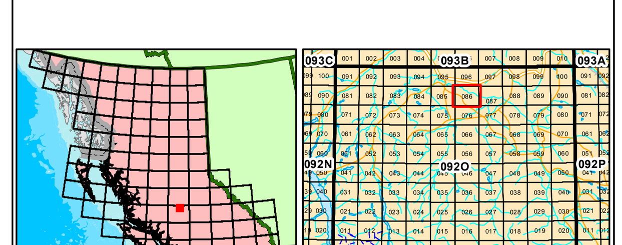
Example Opening History Details

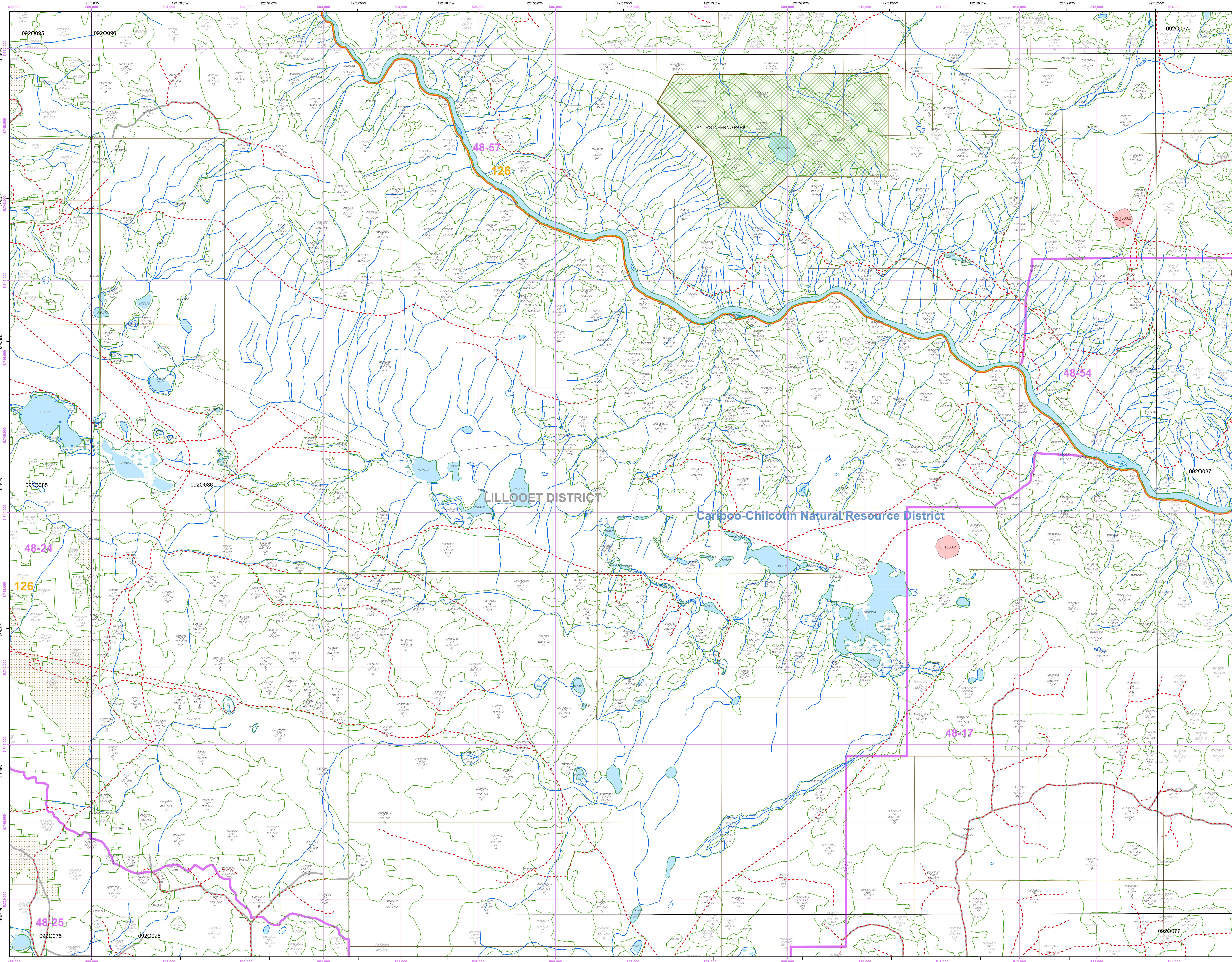
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

148037 Fdi 424-11/10	30771165 Fd 623-O/10 hg,es	48100926/L Fd 525-O/12	73272803 FdAt(Sx) 835-O/12 hg,sl	97588975/L At 524-O/11 hg
149978/L Fd(At)(Pl) 324-O/15 hg	31056683/L FdPl 521-O/9 ll,bg G	48470624/L Fd 833-O/9 hg	73591593 Fd 622-O/10 br,bg	97767380 Fd(Pl) 834-O/11 hg G
1131443 At 526-O/12 sl,bg	32729999 FdSxAt 735-O/14 hg	48581743 FdAcSx 635-O/14 hg	73973076 Sx(At)Fd 835-O/10 sl,bg	97877134 Fd(Pl) 735-O/12
1640531/L At(Fd)(Pl) 314-O/12 hg,sl	33651159 Fd 522-O/11 br,bg	49749874 Fd 621-O/9 hg G	74658825 Fd(At) 521-O/15 hg	97988190 Fd 834-O/12 hg G
1809434 At 424-O/16 hg,sl	33740349 Fd(At) 421-O/10 hg,es	50262932 At 535-O/15 hg,sl	74659474/L Fd 526-O/12 hg	98036985/L Pl(Fdi) 415-O/9 hg
2441628 At 426-O/14 hg	34479495 FdAt 623-O/10 hg,sl	50962395 Fd 820-O/8 ta	74799163/L Fd 520-O/11 hg	98460464 Fdi 836-10/10 G,L03
2589892/L Fd(At)(Pl) 324-O/15 he	34587429 he	5819098 At 320-O/10 he,sl	75510876 Fd 625-O/10 hg	98556229 Pl(Fdi) 111-17/17 G,L98
2790860 At 427-O/17 hg	34667948 he	52680526 Fd 520-O/8 ta	76379397 Fd 526-O/12 hg	98666909/L Pl(Fd) 415-O/9 hg
3463300/L Fd(At)(Pl) 832-12/14 G,L98	36421075 FdSxAc 833-O/13 sl,he	53429012 he	76860722 Fd 625-O/10 hg	98638972/L Pl(Fdi) 932-O/10 hg
3791762 At(Fd) 424-O/10 hg,sl	36861489 Fd 831-O/10 hg,sl,es	53440145 Fd 621-O/9 hg	77080478 Fd 621-O/12 hg,sl	98949919/L FdAt(Pl) 324-O/15 he
4601344 At 425-O/14 sl,bg	37358704 Fd 820-O/8 hg	54010296 Fd 820-O/7 hg	77128983 FdSxAt 833-O/12 sl,bg	99250728 At(Fdi) 521-11/10
5200006/L At 521-O/13 he	38008889 Fd(At) 831-O/10 hg	54187552/L Pl 520-O/9 he,sl G	77368702 Pl(Fd) 821-O/7 hg	99357753/L Pl(Fd) 425-O/10 hg
5859704 At 534-O/15 he,sl	38998016 hg,ta	60150075 Fd 930-O/10 ta	77888873/L Fd 525-O/12 hg	99856864/L Fd(Pl) 424-O/11 hg
7146655 Pl(Fdi) 112-17/17 G,L98	39386415 he	61000326 FdAt 634-O/14 hg	95522678/L Fd 523-O/9 hg	
9436637 Pl(Fdi) 112-17/17 G,L98	39598913 At 631-O/17 hg,sl	61140785 Fd 821-O/8 hg,es	95742031 Fdi 524-O/11 hg,ta	
9737676 he	40219758 Fd 831-O/10 hg	61942130 Fd 824-O/8 hg,br	95742112 Fdi 524-O/11 hg,ta	
9849391 At(Fd) 325-O/13 hg	41770895 Fd 725-O/10 hg	62240106 Fd 525-O/11	95831941 Fdi 421-O/10 hg	
10542803 Fd 835-O/11 hg	41790832 Fd 525-O/10 hg	62331455 he,sl	96290860 Fd(At) 520-O/13 hg,sl	
10712383 Fd 823-O/8 br,bg	42132931/L At(Fd)(Pl) 312-O/8 hg,sl	63040211 Fd 834-O/10 hg	96291998 Fdi 421-O/10 hg	
11202782 Fd 611-O/6 es,bg,sl	42568391 Fd 820-O/8 hg	63089889 Fd 522-O/14 hg	96829600 Fd(At) 520-O/13 hg,sl	
11279257 FdAt(Pl) 312-O/12 hg	42922840 FdSx(At) 836-O/12	63670067/L AtFd 425-O/10	96879952 Fdi(Pl) 721-12/10 G,L03	
12382646/L Fd 211-O/11 hg	43328321/L At(Fd)(Pl) 211-O/6 hg,sl	6471680 FdSx 834-O/12 sl,bg	96898831 Fdi(Pl) 423-O/12 G,L03	
13402304 At 426-O/9 hg,py	43750720 Fd(Ac) 823-O/8 hg,sl,es	65762995/L Fd 625-O/12 hg	96979256 Fd(At) 520-O/13 hg,sl	
14509733/L At 314-O/9 hg	43999834 Fd(Sx) 835-O/12 sl,bg	68003040/L FdPl 625-O/12 hg	97056664 Fdi 834-O/11 sl,bg	
15731951 Fd 521-O/8 br,bg	44148391 At(Pl)SxFd) 521-O/13 he,sl	68232593 FdAt 834-O/14 hg,sl	97059416/L At(Fd)(Pl) 313-O/12 hg	
15749881/L At 314-O/9 hg	44170620 Fd(Ac) 625-O/12 sl,bg	68351958 Fd 623-O/9 hg,br	97068983 Fd(Pl)(At) 420-O/13 hg,sl	
16602509 Fd 426-O/9 hg,py	44568825 Fd 622-O/10 hg,sl,es	68529054 AtFd 523-O/13 hg	97348663 Fdi 723-O/11 hg G	
17251999 Fd 423-O/11 hg,es	44730971/L Ac(Fd) 324-O/14 sl	69100513 AtFd 525-O/11 hg,sl	97418211 Fdi 834-O/12 hg G	
19356678 Fd 621-O/9 hg,ta	44861049 Ac(Sx)Fd 834-O/14 sl,he	69860105/L Fd 212-O/12 hg	97449530/L At(Fd)(Pl) 313-O/12 hg	
21768844 Fdi 931-O/11 hg	45098586 At 535-O/15 hg	71452512 At(Fd) 524-O/14 he	97479638 Fd(At) 520-O/13 hg,sl	
22821706 Fd 525-O/11 es	46580069 Fd 821-O/7 br,sl,hg	72371502 Fd 824-O/9 ta,hg	97517987/L Fd(Pl) 423-O/11 hg	
30531583 Fd 724-O/10 es,bg	47968987 At(Sx)Fd 324-O/12 sl,he	73028863 Fd 820-O/7 ta	97580453/L FdAt(Pl) 324-O/15 hg,sl	