Vegetation Map

092O059

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
◯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
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 *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.

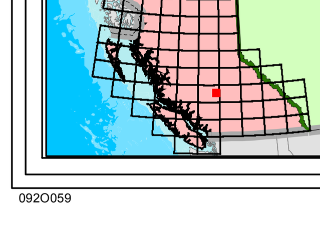
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

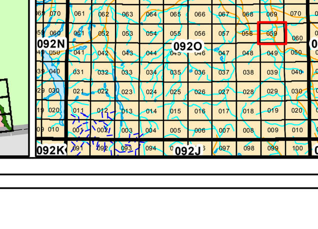
Example Opening History Details

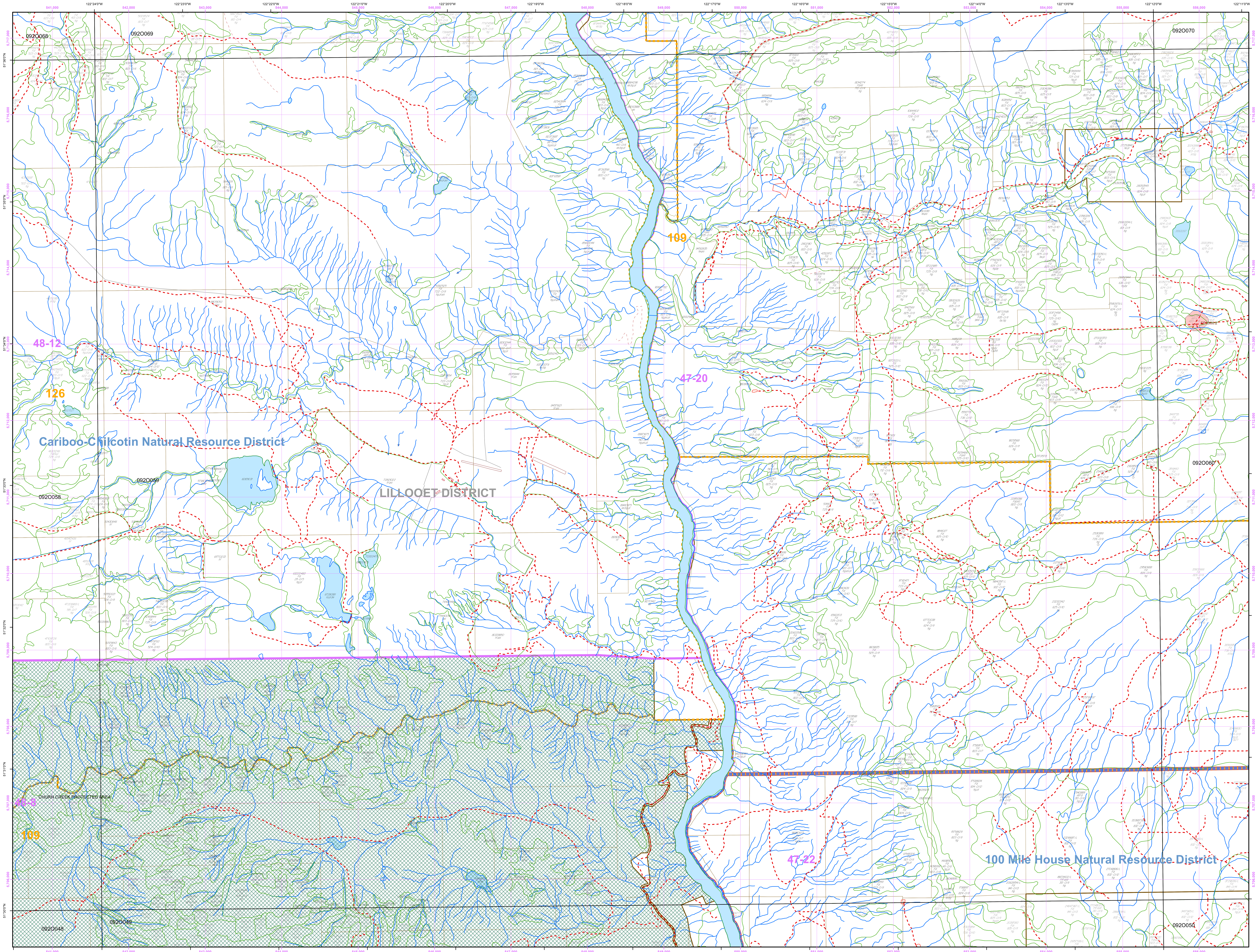
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

152126 FdAt 723-O/10 hg,sl,es	28704163 Fd 824-O/9 hg	65271796 At 535-O/13 hg	93132580 hf,es
8831028 Fd 823-O/8 hg,sl	48543456 AtFd 625-O/10 hg,sl	65308145 Fd 822-O/8 hg,sl	94274476 At(Ep) 427-O/12
1363145 Fd 824-O/9 hg	48743642 Fd 722-O/8 hg,sl	66257784 Fd 525-O/9 hg	95633601 Fd 824-O/9 hg
3063151 Fd 721-O/9 sl,hg	48991698 Fd 622-O/7 hg,sl	67027821 Fd 825-O/9 hg	96493150 Fd 834-O/12 he,sl
3144318 AtFd 425-O/8 sl,te	49521177 Fd 823-O/9 hg,sl	68444315 Fd 835-O/10 hg	97424487 Fd 811-O/5 hg,sl,es
3573769 Fd 822-O/7 hg,es	50039916/L Fd 515-O/7 hg	68563812 Fd 823-O/6 hg	97592314 Fd 722-O/7 hg,sl,es
3761344 Fd 610-O/6 es,hg	50059538 Fd 823-O/7 hg,sl	69329039 Fd 823-O/7 hg,sl	98081863 Fd 821-O/8 hg,sl
3873913 Fd 513-O/5 hg	50179245 Fd 823-O/7 hg,sl	69337900 Fd 821-O/9 hg	98164461 Fd 625-O/9 hg
4050311 AtFd 525-O/12 hg	50800813 Fd 624-O/8 hg	70217843 FdAt 722-O/9 hg	98402156 Fd 625-O/8 hg
4291563 At 525-O/10 hg,sl	50987707 Fd 835-O/11 hg	72347812 sl,hg	99081420 Fd 823-O/9 hg,sl
4394021 At 416-O/7 hg	51278697 Fd 724-O/11 hg	72857849 AtFd 424-O/11 hg,sl	99381979 AtFd 415-O/6 hg,sl
6802956 Fd 823-O/9 hg	51420832 Fd 726-O/11 hg	73857869 Fd(At) 823-O/8 hg	
8444540 Fd 726-O/10 hg	51471859 Fd(At) 834-O/12 sl,hg	74199212 Fd 823-O/9 hg,es	
9373213 EpAt 521-O/7 sl,te	53460240 Fd 834-O/9 hg	74638404 hg,sl	
9499030 At(Fd) 435-O/16 hg,sl	54598692 Fd 721-O/9 hg	74907826 Fd 724-O/8 hg	
12322522 Fd 820-O/6 bl,by,hg	54624015 Fd 821-O/8 hg	75397849 Fd 724-O/8 hg	
13023196 AtFd 320-O/11 he,sl	54788745 Fd 823-O/7 hg	75829075 Fd 824-O/9 hg,sl	
13428929 Fd 834-O/10 hg,bl	54844250 Fd 811-O/5 hg	78152115 AtFd 523-O/12 sl,hg	
13628698/L Fd 313-O/8 hg,sl,es	54901060 Fd 823-O/10 hg,sl	80128405 Fd 712-O/6 hg	
14424007 Fd 820-O/7 hg,sl,es	54939620 Fd 524-O/8 hg,by	81120192 sl,te	
16048195 Fd 513-O/7 hg,sl	55606185 Fd 822-O/8 hg	81144067 Fd 625-O/8 hg	
16092997 FdSw 830-O/11 sl,te	55714189 Fd 823-O/9 hg	81523938 Fd 715-O/6 hg	
16520417 FdAt 623-O/9 hg	55898851 Fd 834-O/11 hg	82994172 Fd 822-O/9 hg	
16993306 AtFd(Ep) 525-O/10 sl,te	56017747 Fd 823-O/9 hg	83128012 Fd 722-O/7 hg,sl,es	
17743727 Fd 824-O/8 hg,sl	56771848 FdAt 724-O/10 hg,sl	83373906 Fd 824-O/6 hg,sl	
20222391 Fd 820-O/8 hg	57741103 At(Ac) 834-O/17 sl,te	83512143 Fd 823-O/7 hg,sl	
21701578 FdAt 622-O/9 hg,sl	58279912 Fd 724-O/9 hg	83793581 Fd 723-O/8 hg	
23453734 he,es	58763034 Fd 823-O/9 hg,sl	85774314 Fd 823-O/7 hg,sl	
24154164 Fd 820-O/9 bl,hg	59678752 Fd 823-O/9 hg,sl,es	86648129 Fd 713-O/6 hg,es,sl	
25094630 FdAt 710-O/4 hg	62103745 Fd(At) 935-O/11 hg,sl	87854224 Fd 720-O/6 hg,es,sl	
25914623 FdAt 710-O/4 hg	62628096 Fd 825-O/9 hg	88501953 FdAt 821-O/8 hg,sl	
26393598 Fd 720-O/9 hg,sl	62872519 es	89904420 At(Ep) 427-O/12	