Vegetation Map
092I076

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:

O12
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

O12 - 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	rn	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.

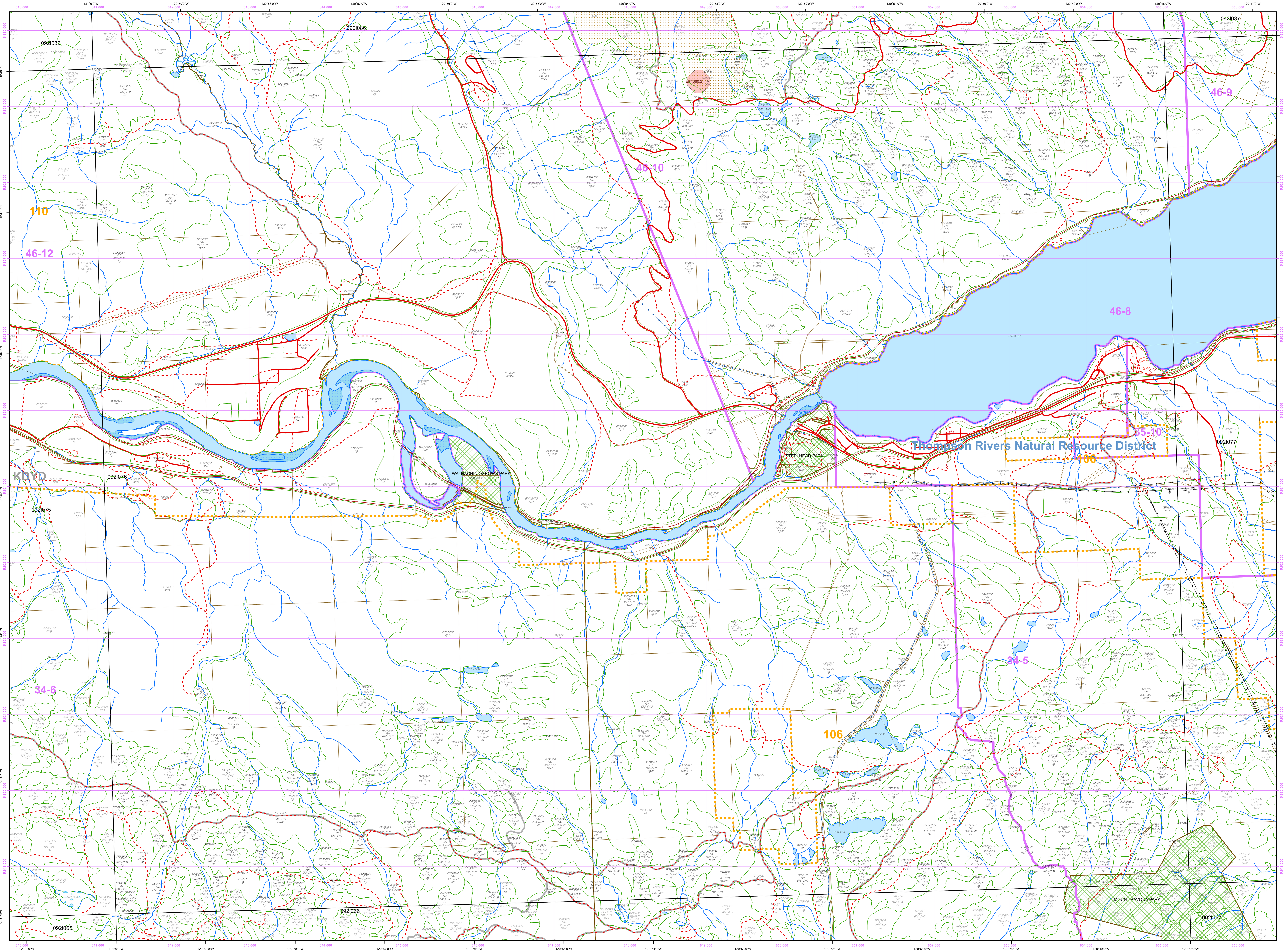
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

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

2084255 Fdi 833-O/13 hg,sl	28140193 Fdi 732-O/15 st,hg	63319696 Sx 840-O/17 st,hg	92012369 rs
O21 23055570 Fd(Sx) 734-O/15 st,hg Fdi GL93	28375471/L Fdi 423-O/10 hg	63343271 hg,sl	95320501 Fdi 420-O/13 hg,sl
2739222 Fdi 520-O/14 hg	29392911 hg	63439909 Fdi(SxEp) 855-O/21 sl,hg	96181246 Fdi 521-O/9 hg,br
3165724 hg	30083066 hg,sl	63650169 Fdi 835-O/15 hg	97549697 hg,sl
3675650 Fdi 523-O/13 hg	30269949/L Fdi 731-O/15 hg	63825431 hg,sl	O21 99565709 Fdi 734-O/14 hg GL93
5012454 hg,sl,rn	31950549 At(FdiEp) 436-O/16 he,sl	64799492 Fdi 636-O/13 hg,sl	99891510 Fdi 843-O/16 hg,sl
6140614 Fdi 633-O/15 hg,sl	32025407 FdiAtSx 435-O/16 sl	65439578 Fdi 520-O/14 hg	
8645793 Fdi 835-O/16 hg	33649830 Fdi 523-O/11 br,hg	65489006 FdiAt 324-O/18 hg	
9425749 sl,mu	33809461/L Fdi 320-O/16 br,te G	65879018 Fdi 524-O/14 hg	
10403288 hg,sl	33897735/L Fdi 425-O/10 hg G	66168961 Fdi 324-O/18 hg	
10622797 rz,sl,hg	34581152 Fdi 823-O/10 ta,hg	66889478 At(Fdi) 425-O/16 hg	
11474958 Fdi 314-O/11 hg	35775571 hg,sl	69495455 hg	
11605762 Fdi 422-O/10 hg,es	37543053 ur	69673464 rz,sl,hg	
11695067 FdiAt 833-O/13 hg,sl	37671458 Fdi 525-O/10 hg	70809054 Fdi(SxAt) 326-O/21 hg	
11962606 hg,sl,rn	37852995 hg	73029657 Fdi 534-O/16 hg	
12588450 es,hg	38039528/L Fdi(SxPli) 322-O/13 hg,es G	7318271 hg,sl,rn	
13175801/L Fdi 631-O/15 hg	38240472 Fdi 720-O/9 br	73649456 Fdi 532-O/16 hg	
13215122 FdiAt 833-O/13 hg,sl	38820471 Fdi 835-O/14 hg	73919955 Fdi 735-O/13 hg	
15425826 Fdi(At) 534-O/15 hg,sl	38821367 Fdi 524-O/10 hg	77952703 hg,sl	
16225856 Fdi 534-O/16 hg,sl	39070938 Fdi 525-O/10 hg	78570547 st,hg	
17165843 Fdi 323-O/14 hg	39849927 Fdi 623-O/10 br,hg	79029062 Fdi 634-O/15 hg	
19653800 hg,sl	40439485 Fdi 410-O/6 ta	79270378 Fdi 622-O/11 hg	
20385543 Fdi 721-O/8 br,hg	53275221 Fdi 312-O/9 hg	80225562 Fdi 620-O/12 he,br,by	
20473899 hg,sl,rn	53964760 hg	80452429 hg,sl,rn	
21095741 Fdi 830-O/15 st,hg	55685395 hg	81050458 Fdi 625-O/11 hg	
21285695/L Fdi 831-O/13 hg	56251044 sl,hg	82590459 Fdi 625-O/12 hg	
2361546 Fdi 425-O/10 st,hg	58438899 Fdi 625-O/11 hg	83279774 Fdi 326-O/16 hg	
23735776 Fdi 630-O/15 hg,sl	59405414 hg	83840752 Fdi 732-O/12 hg,sl	
24414984/L Fdi 523-O/13 hg G	59778905 Fdi 625-O/11 hg	84260024 At 324-O/18 hg,sl	
25522991 rz,sl,hg	60368952 Fdi 224-O/19 hg,sl	84281445 Fdi 521-O/9 hg,br	
26858863 Fdi 621-O/9 br,hg	60392611 ur	84362222 hg,sl,rn	
27224886 Fdi 832-O/14 hg,es,sl	61099751 Fdi 722-O/11 hg	86375320 Fdi 522-O/10 hg	
27525193 Fdi 413-O/9 hg	61355400 hg	88500158 Fdi 420-O/15 hg,sl	
28035695 br	61399443/L Fdi 425-O/15 hg	90450382 Fdi 526-O/12 hg	