Vegetation Map
093E055

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
- Sivilculture 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
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

○12
123/L
Fd(Hw)
211-20
he sl
GL78

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)	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.

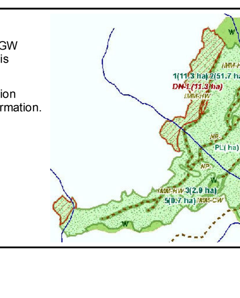
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

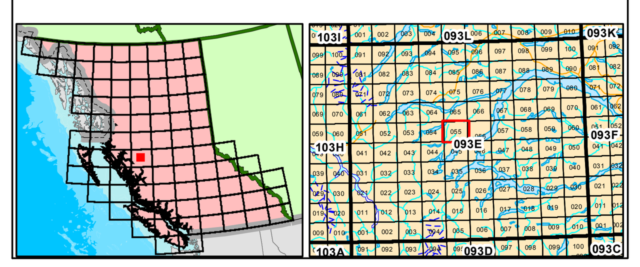
Example Opening History Details

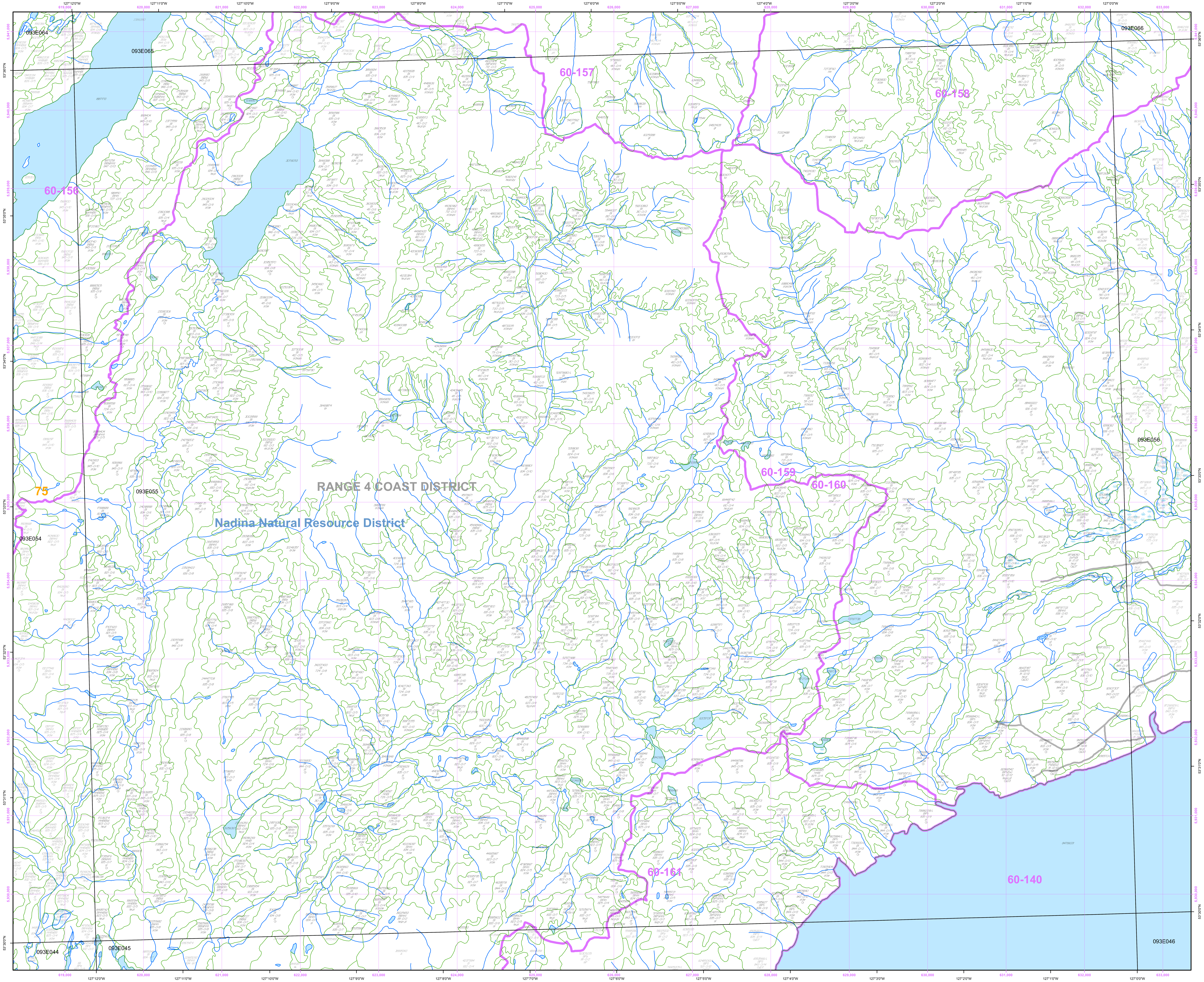
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

16255621 Bl(HmBa) 924-O/4 sl te G	33946050 Bl 820-O/5 he sl	51090704 sl te	66661872 pn	88740288 he es sl
1658418 Bl 934-O/5 he sl	34469071 pn	51210760 Bl 723-O/5 sl he es	66906377 Bl 832-O/8 sl	89621983 Bl 311-O/5 sl te ta
16696038 Bl(HmBa) 823-O/5 he sl	35390856 Bl 836-O/6 sl	51669652 Bl 830-O/6 sl he rs	67906034 Bl 834-O/11 sl	90087926 Bl 820-O/5 he sl by
16759681 Bl(Ba) 935-O/5 sl	35416556 Bl 720-O/7 he sl	52698153 Bl 834-O/12 sl te	67971441 pn	90158447 Bl 820-O/5 he sl by
16789844 Bl(Ba) 826-O/5 sl	35535560 Bl 835-O/6 sl te	52772029 pn	69510922 sl te ta	90660838 pn
17130108 Bl(Ba) 846-O/14 he sl G	35839993 pn	53746541 Bl 820-O/5 he sl	69528429 Bl 830-O/11 sl	90899362 Bl 835-O/6 sl te G
17430589 BaHm(Bl) 936-O/9 sl	35860679 Bl 410-O/6 sl te es	53950327 Bl 410-O/5 he sl es	69850681 sl te ta	91365570/L Bl(Pl) 843-O/15 sl te G
17826369 Bl(BaHm) 935-O/8 sl G	36391298 Bl 710-O/4 he sl	54097462 Bl 835-O/11 sl	70021760 pn	91897300/L Bl(Pl) 943-O/11 sl te G
17987104 Bl(Hm) 834-O/8 sl te G	37450156 mn	54418907 Bl 810-O/3 sl es te	70291935 pn	92140215 es
19416109 Bl 820-O/3 he sl	37606982 Bl 735-O/12 sl G	55035504 Bl 825-O/6 sl	71437841 Bl 721-O/9 he sl	93326894/L Bl(Pl) 843-O/15 sl te G
19720963 Bl 924-O/3 sl te	37699371 pn	55089392 Bl 820-O/7 sl te G	71587287 Bl 621-O/9 ta te	93587898 Bl 820-O/6 he sl by
20220825 Bl 920-O/3 he by	38019260 pn	55157920 Bl(Hm) 823-O/6 sl he br	72496238/L Bl 834-O/9 sl te G	93870930 Bl 311-O/5 sl ta te
20687689 Bl 825-O/6 sl	39076526 Bl 820-O/5 he ta sl	55435694 Bl 820-O/6 he sl by ta	73467914 Bl 620-O/9 he sl by	94057855 Bl 835-O/8 sl G
23350823 Bl 921-O/3 he sl by	40739620 ta	55755848 Bl 820-O/5 he sl	73479783 ta	94159087 Bl 943-O/12 sl te G
24601532 Bl 925-O/4 sl te	42410095 pn	55971883 pn	74351559 pn	94189370 Bl 834-O/8 sl te dw G
25679637 Bl 820-O/5 sl te	42548098 Bl 820-O/4 he sl	56461539 pn	74376970/L Bl 834-O/6 he sl G	94401755 Bl 311-O/5 sl te es
26479439 Bl 724-O/5 sl te	44315553 Bl 822-O/5 br te sl	57811690 pn	74732013 Bl 310-O/5 sl te	94410936 br
26857688 Bl 820-O/3 he sl	44727145 Bl 823-O/7 he sl	58287988 Bl 823-O/5 sl te br	75310165 Bl 411-O/4 sl es te	94621745 br
27839924 Bl 313-O/11 sl te	44737736 Bl 830-O/8 sl	58357910 Bl 831-O/12 sl	75518878 es te	
27999453 Bl 510-O/3 sl te G	46447692 Bl 620-O/10 he sl	59328563 Bl 821-O/5 ta sl te	78211133 pn	
28169791 he sl	46671286 pn	60206119 Bl 620-O/7 he sl	78230283 pn	
28667692 Bl 830-O/11 he sl	46981696 pn	60791611 mn sl	78300755 pn	
29390587 Bl 822-O/4 he sl	47451037 he sl es by	62400685 mn sl	80110277 Bl 410-O/4 sl ta te	
29529868 Bl 411-O/6 sl te	48425511 Bl 833-O/7 he sl G	63656246 Bl 620-O/8 he sl	80450075 Bl 410-O/4 es sl te	
31022019 Bl 923-O/3 sl te G	48691202 pn	65041962 pn	81080308 Bl 410-O/4 sl te es	
31192053 Bl 932-O/4 he sl	49406099 Bl 820-O/4 he by ta	65548153 Bl 944-O/11 sl	82479345 Bl 821-O/4 sl es te	
31786120 Bl 613-O/5 sl es te	49501673 pn	65750952 pn	83039724 es	
32250364 Bl 726-O/9 sl	49520753 Bl(Hm) 412-O/4 sl te es	65931749 pn	83209573/L Bl(Pa) 822-O/4 sl te es G	
32341865 Bl 923-O/3 sl te G	49785711 Bl(Hm) 821-O/5 he sl by	66021150 pn	84270947 pn	
32945971 HmBl 725-O/5 sl te	49841270 pn	66066895 Bl 830-O/10 sl	84457106/L Bl 843-O/14 sl te G	
33759780 Bl 313-O/3 sl te es	49941004 Bl 410-O/2 sl te ta	66270895 sl te ta	84517796 Bl 820-O/4 he sl	
33942066 Bl 933-O/4 sl te G	50670610 Bl 610-O/4 rs sl te	66278064 Bl 831-O/10 sl	85617724 Bl(HmPl) 836-O/8 sl G	