Vegetation Map
093L071

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:

◯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 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
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

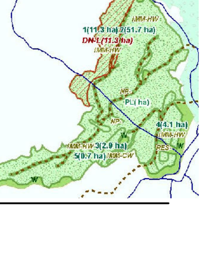
Line 6 - Disturbance History

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.

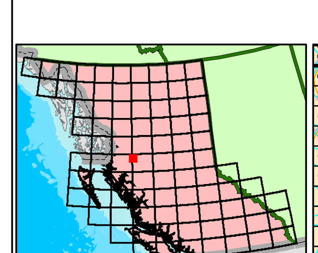
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

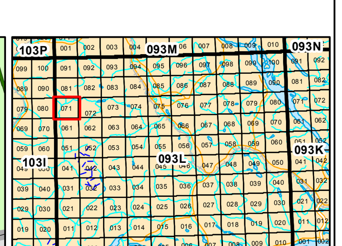
Example Opening History Details

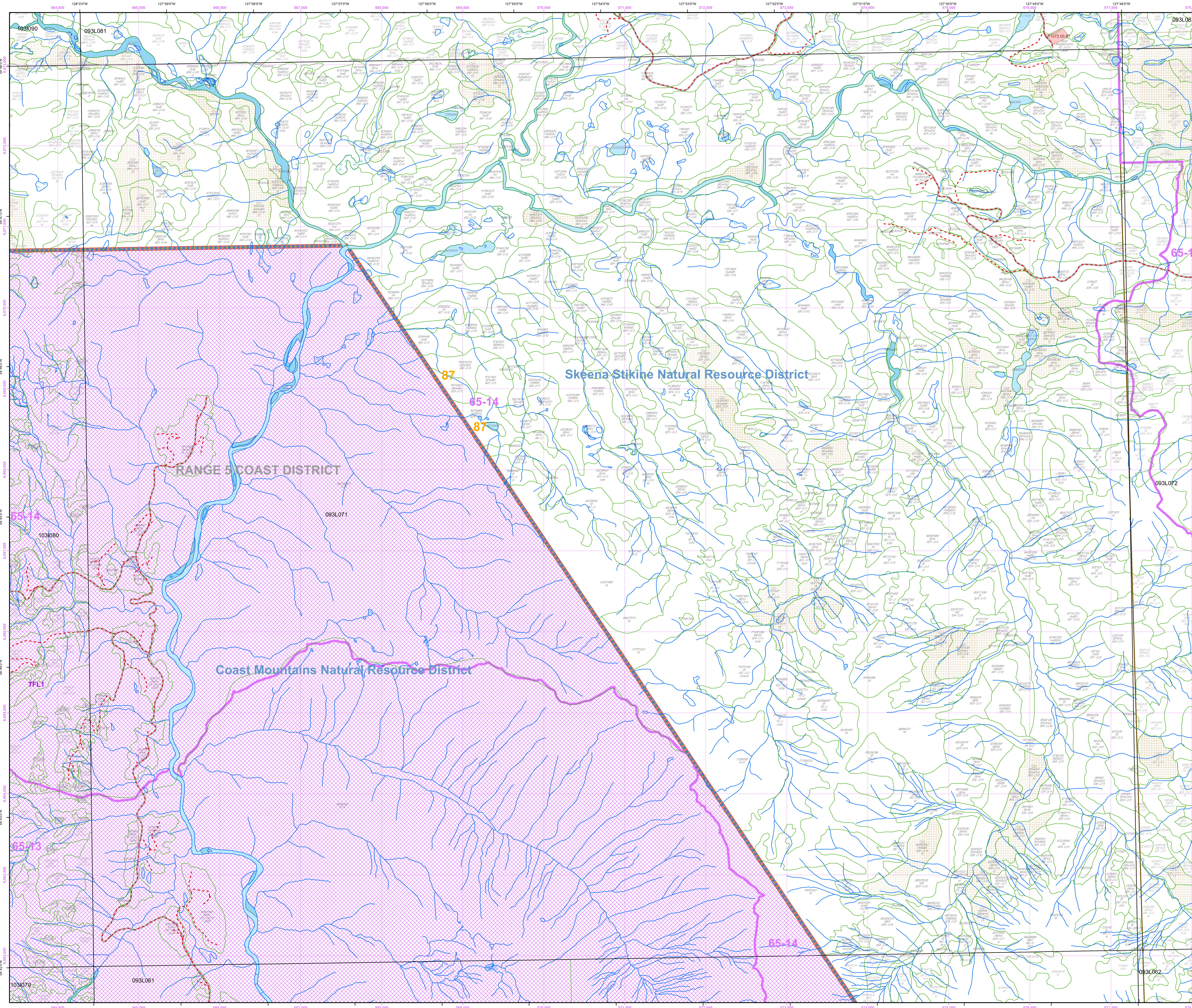
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.



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

678791 Bl(PaPl) 821-O/3	52571489 HwBl 946-O/11	78668783 Bl(Hm) 813-O	90960480 HwBl) 831-9/9
1775467 br	55160246 he	78786926 Bl 713-O ta,sl	91250411 PlSxBl(HwBa) 112-20/20 GL00
2225659 HwBl(SxHm) 835-O/10	55760619 HwBl 945-O/11	79158220 Bl(Hm 914-O/2 sl	91720076 BlHwSx 936-O/7
2354810 Bl 811-O sl	55971096 he	79256938 Bl 711-O/2 sl	92541028 HwBl(Sx) 415-O/7
2531284 BlHw(Pl) 415-O/6	57728787 Bl(Hm) 921-O/2 ta,he	79820840 BlSx(Hw) 945-O/14	92757031 Bl(Hm) 727-O/6
2556504 BlHw 922-O/3 ta	58200713 ri	80238225 Bl 821-O/3 ta	93181314 HwBl) 947-O/11
2666122 BlHmPa 812-O/2 sl,br	58509208 Bl(Sx) 931-O/9 br	80358131 Bl(Hm) 823-O/3 ta	93290364 sl
3008691 PaBl(Hm 811-O/2 ta	58760887 HwBl(Sx) 832-O/9 es	80788122 Bl 310-O/10 ta	93385399 Bl(Hm) 824-O/7
3150434 BlSx 844-O/20	58948852 Bl(Hm) 921-O/2 he,sl	80837952 Bl 511-O/2 sl,he	93421332 BlHw(Sx) 946-O/12
◯0 3251329/L PlSxBl 423-O/15 GL03	58990311 he	80961411 BlHwSx 835-O/8	93487042 BlSx 811-O sl,he
◯0 3509408 BlHwBa 935-O/7 G	59079225 Bl(Ba) 943-O/10 sl	81658135 Bl(Hm) 933-O/4 ta	93819088 Bl(Hw) 922-O/2 br,sl
3780347 BlHw 846-O/12	59210631 Hw 836-O/9	82517939 HmBl 924-O/3 ri	94060364 HwBl) 831-9/9
28206751 BaHm(Hw) 111-22/22 GL00	60484454 Bl 821-O/3 he	82744880 Bl 812-O sl,br	94187052/L Bl 624-O/8
28671394 BlHw(Ba) 947-O/13	61120833 BlSx(Hw) 954-O/22	83518741 HwBl 821-O/6 br	◯ 1 94479516 BaBlHw(Sx) 210-20/20 GL97
28781114 Bl 820-O/6 ta,sl	61461104 ri	84901371 BlHwSx 845-O/12	94569856 BaHw(SxBl) 222-22/22 GL97
29307884 HwBa 934-12/8 GL95	62031430 HwBaBl(Sx) 947-O/13	85695162 HmBl(Ba) 814-O/2	95028835 Bl 821-O/4 he
29455494 BaHw 111-22/22 GL94	62359748 HwBl) 945-O/13 ri	86444865 Bl(Hm)(Ba) 836-O/6 sl	95047047 BlHwSx 945-O/10
◯0 2969549 BlSx(AdHw) 946-O/13 G	64471382 HwBaBl(Sx) 946-O/11	86590795/L BlSxHw 833-O/9	95530428 HwBl 841-18/17
29735718 HwBa 113-26/26 GL94	64641363 HwBaBl) 946-O/12	86729170 SxBlHw 931-O/6 sl,rs,he	95799955 BaHw(SxBl) 222-22/22 GL97
30397350 hf	64729432 HwBaBl) 836-O/11	86769085 ri	97781338 SxBlHw 836-7/6 GL98
30511062 BlSx(Hw) 721-O/6 es,sl	65069483 HwBaBl) 836-O/11	86830058 BaHmPl(Sx) 112-12/12 GL01	98561335 sl
31297803 HwBa 934-12/8 GL95	67010504 HwBl 932-O/8 he,sl	87310106 BaHm(HwSx) 112-8/8 GL01	99159257 HwBl 936-O/9
◯0 38101135 BlSx(HwAct) 944-O/13 sl G	6716869 he	87609232 HwBl(Sx) 936-O/11	99255471 Bl 925-O/4
38321529 SxBl 854-O/15 sl	67889900 HwBa) 935-O/11	87881328 BlSx(Hw) 944-O/19	
◯0 40971047 BlSxAct 944-O/13 sl G	68761428 HwBaBl) 947-O/12	88224861 Bl 811-O/2 ta,sl	
41411511 HwBl(Sx) 947-O/13	69630208 HwBl(Sx) 826-O/8	89350059 BaSx(HmPl) 112-22/22 GL01	
41530633 BlHw 821-O/3 he,sl	69881403 BlHw(Sx) 933-O/7 he,sl	89708391 BlSx(Hw) 841-O/13 rs,sl	
42570862 rs,sl	70817344 Bl 410-O/2 sl	89921382 BlHw(Sx) 935-O/8	
45211436 BlSx 841-O/13 sl,he	72301429 HwBaBl) 947-O/12	90095024 Bl 713-O/2 sl,br	
45430215 Hw 947-O/14	74701005 sl,he	90115840 HmBl 625-O/6	
45841442 HwBl 946-O/12	75477558 Bl 411-O/3 sl,rs	90268983 Hw 835-O/12	
50211145 BaBlHw(Sx) 940-O/13 sl,he	77198702 Bl(Hm 813-O sl,he	90649919 BaHmPl(Sx) 112-12/12 GL01	
◯0 50220836 BlSx(Hw) 845-O/16 G	78001396 HwBaBl(Sx) 937-O/9	90914880 br	