Vegetation Map
093G020

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
- Silviculture 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.

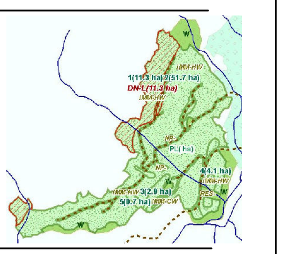
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

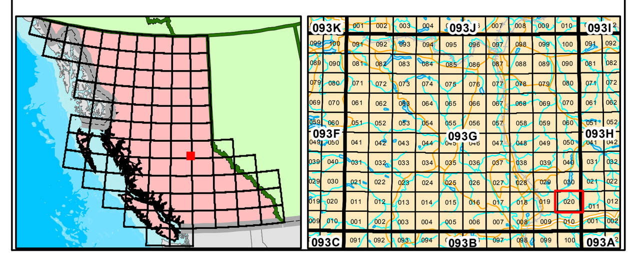
Example Opening History Details

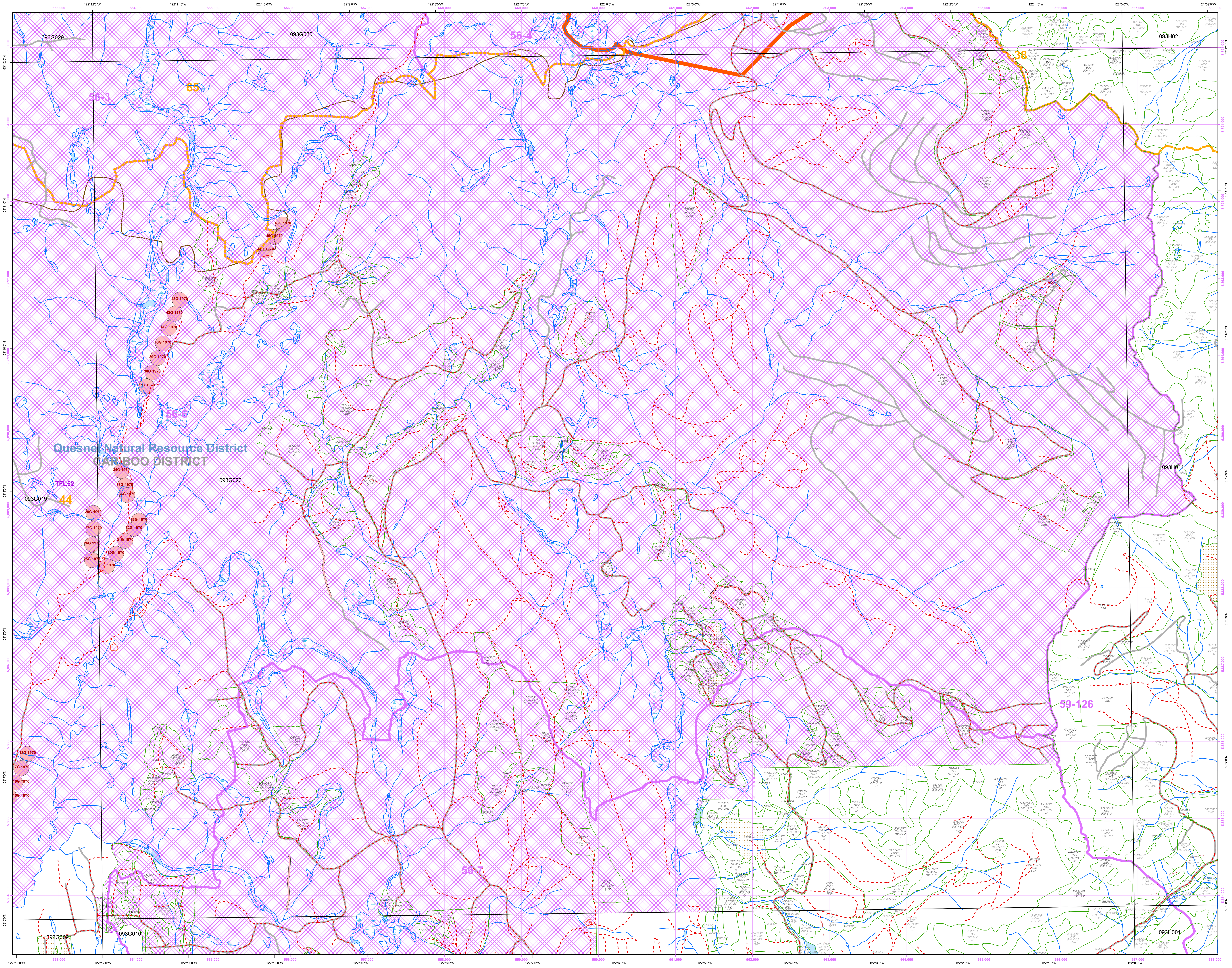
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

4853834 SxAd(At)Bl(Ep) 211-18/18 GL77 | 27353225 he,sl,la | 76872946 Pl(SxAd(At)) 211-18/18 GL93
5147880 Pl(Sx(At)) 223-23/23 GL87 | 27464233 Sx(Bl) 836-O/10 | 78893180 Pl(SxAd(At)) 211-18/18 GL93
6344175 sl | 27483857 SxBl 944-O/12 sl | 78402990 Pl(SxAd(At)) 211-18/18 GL93
7134064 SxBl 211-19/19 GL77 | 27874084 sl,r,z,he | 78763807 Pl(SxEp(Bl(At)) 111-22/22 GL96
8004099 SxAd(At)Bl(Ep) 211-18/18 GL77 | 29094667 SxPl(Bl) 111-21/21 GN98 | 79164291 PlSxEp(At)Bl) 111-22/22 GL96
8676851 Pl 111-18/18 GL02 | 29184439 SxPl(Bl) 111-21/21 GN98 | 79183755 Pl(BlSxEp(Ac)) 111-22/22 GL96
9124094 SxBl 211-19/19 GL77 | 29344581 Pl(SxBl) 111-18/18 GN98 | 79544220 Pl(BlSxEp(Ac)) 111-22/22 GL96
9366652 sl | 29503485 SxBl 843-O/8 sl,he,z | 79653833 PlSxEp(At)Bl) 111-22/22 GL96
9514159 SxPl 211-18/18 GL77 | 33214830 PlSx 111-21/21 GL98 | 80464055 PlEp(BlSxAc) 111-22/22 GL96
9566881 PlBl(SxEp) 111-23/23 GL02 | 37573900/L SwBl 735-O/10 | 85766695 Ep(BlSxPl) 111-19/19 GL03
11396585 PlBl(SxEp) 111-23/23 GL02 | 39824810 Pl(Sx) 112-20/20 GL98 | 87237629 Pl(SxBl) 111-20/20 GL95
16946310 sl | 40834873 Pl(SxBl) 111-20/20 GL98 | 87644275 PlEp(BlSx) 112-21/21 GL03
18645488 SxPl(Bl) 111-22/22 GL98 | 41629648 Sx(Bl) 111-15/15 GL92 | 87787801 BlSx 221-20/20 GL95
18855324 Pl(BlSx) 111-24/24 GL98 | 41629737 Pl(SxBl) 211-18/18 GL92 | 88847856 Pl(SxBl) 111-20/20 GL95
18975045 SxPl(Bl) 111-22/22 GL98 | 42194256 BlSe 835-O/10 sl | 89743821 PlEp 112-15/15 GL03
18995289 SxPl(Bl) 111-22/22 GL98 | 42549630 SxPl(Bl) 111-15/15 GL92 | 91177211 Sx 211-24/24 GL87
19735187 | 42847748 SxPl 111-18/18 GL95 | 91508067 SxBlPlEp 211-21/21 GL93
20495342 Pl(SxBl) 111-24/24 GL98 | 43309672 BlSx 843-O/14 | 91697383 Sx 211-24/24 GL87
21063793 he,sl | 43519459 SxBl(Pl) 111-21/21 GL91 | 91777833 SxBlPlEp 211-21/21 GL93
21143916 he,sl | 45417922 SxPl 111-18/18 GL95 | 92688744 SxBlEp 211-18/18 GL93
22374582 SxPl(Bl) 111-23/23 GL04 | 47158156 SxPl 111-18/18 GL95 | 92828594 SxBl(EpPlAc) 211-21/21 GL93
22604266 BlSx(Pl) 111-23/23 GL04 | 47794554 GL98 | 93398718 SxBl(EpPlAc) 211-21/21 GL93
22733391 SwBl 845-O/10 sl G | 47896413 BlSx 111-22/22 GL98 | 93706560 Sx(AcPl) 211-21/21 GL87
22894458 BlSx(Pl) 111-23/23 GL04 | 49786335 BlSx 111-22/22 GL98 | 93717914 SxBlPlEp 211-21/21 GL93
22933249 Bl(Sw) 835-O/9 | 49929857 SeBl 834-O/10 sl | 94057102 Sx 211-24/24 GL87
23473686 SwBl 944-O/12 sl | 50216452 BlSx(Pl) 111-21/21 GL98 | 94826735 Sx 211-24/24 GL87
23693919 BlSw 835-O/7 sl | 50266036 SeBl 944-O/13 sl | 95247486 Sx 211-24/24 GL87
25165183 PlSx(BlAt) 111-20/20 GL98 | 50589684 SeBl 834-O/9 sl | 97135378 EpBlPl(Sx) 111-23/23 GL03
25783216 SxBl(At) 222-20/20 he,sl GL75 | 51913360 BlSe 844-O/12 sl | 98366793 Sx(AcPl) 211-21/21 GL87
26034125 he,sl | 53055330 SeBl 944-O/13 sl | 98703096 PlAt(BlSx) 211-23/23 GL95
26115284 PlSx 111-24/24 GL98 | 53094714 SeBl 944-O/13 sl
26483967 Bl(SeAt) 836-O/8 | 54013358 SeBl 835-O/11 sl
27073851 Bl(Se) 836-O/7 | 75882998 Pl(SxAd(At)) 211-18/18 GL93
27314157 SeBl 834-O/11 sl | 76432952 Pl(SxAd(At)) 211-18/18 GL93