Vegetation Map
093I091

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
- Sivicuture 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 *Shagbark 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	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.

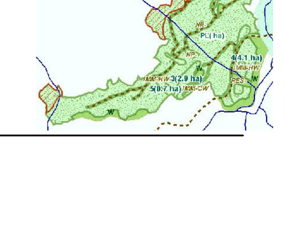
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

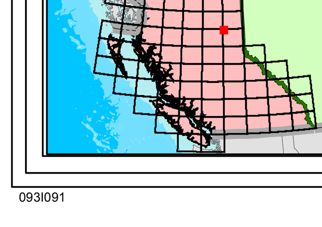
Example Opening History Details

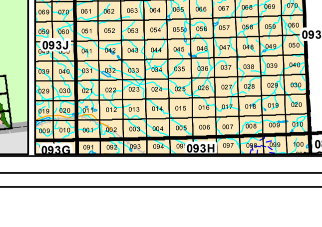
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

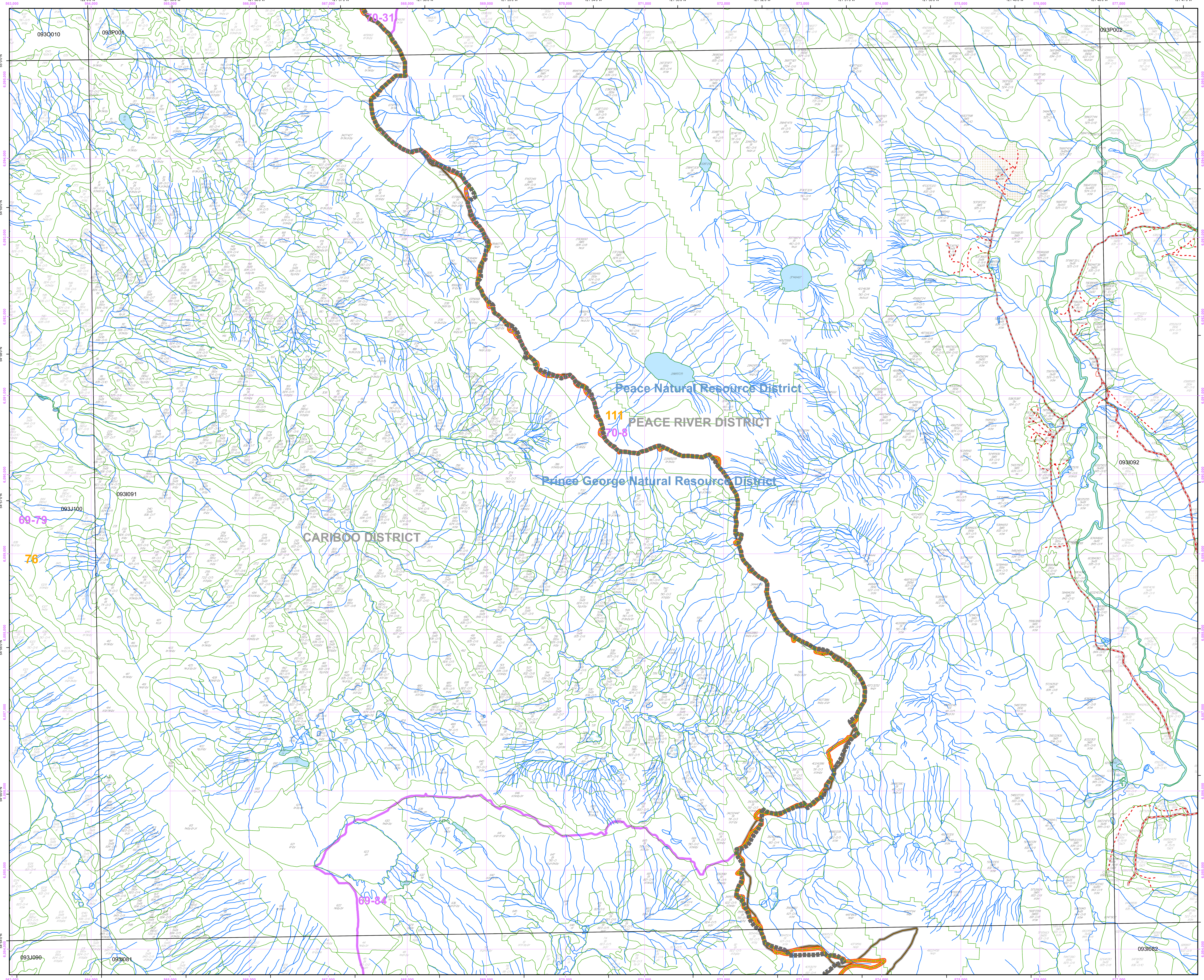
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

- OPENING
- OPENING LABELS
- OPENING - PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH









Overflow Labels

1 he by br	131 BlSx 824-O/6 sl by	351 BlSx 821-O/4 sl he	604 BlSx 825-O/5 by sl	58997638 SwBl(At) 525-O/12 he
2 he sl by br	135 Bl 613-O/3 br he	353 Bl 511-O/4 sl he by br	615 he by br	59237525 SwBl 945-O/10 sl he
3 Bl 611-O/2 he sl by	138 Bl 610-O/5 sl	364 Bl 612-O/3 sl he	616 SxBl 834-O/5 sl he by	59427323/L SwBl 525-O/11
4 Bl 810-O/3 sl he by	140 Bl 510-O/4 sl br he by	369 Bl 412-O/4 sl	627 he br by	59536064 SxBl 212-12/12 GL92
6 sl he by ta	142 br he sl by	381 Bl 510-O/4 sl he	628 ls	60324220 SwBl 944-O/10 sl he
10 he sl by	143 Bl 826-O/6 sl by	403 he sl by ta	631 he by pn	60325341 SwBl 835-O/7 sl
11 Bl 711-O/3 he br by sl	146 Bl 511-O/4 sl he by	405 sl he by ta	633 Bl 820-O/6 sl he	61227033 SwBl 821-O/7 sl he
13 ta he sl by	149 SwBl 823-O/5 sl by he	409 Bl 820-O/4 sl	635 ls	61693159 SxBl 835-O/9 sl he
16 Bl 820-O/5 sl ta	157 BlSx 824-O/5 by sl he	410 he by	644 st tf by br	○X16 61962264 sl he G
17 ta he sl by	159 Bl 510-O/4 sl he by	424 Bl 610-O/3 sl he br by	660 pn he	62212647 SwBl 835-O/10
18 Bl 811-O/2 sl he by br	160 Bl 724-O/6 sl	444 BlSx 823-O/6 sl hg by	677 Bl 511-O/7 sl hg by	62471802 SxBl 835-O/8
23 Bl 610-O/2 br sl by he	164 br he sl by	450 BlSx 823-O/5 sl by	678 Bl 822-O/5 sl hg by	
31 he sl by	166 sl br he by	458 Bl(Ss) 821-O/6 sl he	686 Bl 412-O/4 sl	
34 br he by	170 Bl 510-O/2 sl he br by	470 ls	700 SxBl 837-O/6 sl	
39 sl ta he	177 SxBl 824-O/5 sl by he	489 Bl(Sx) 627-O/8	705 BlSx 822-O/6 sl	
41 Bl 610-O/2 he by	180 BlSx 725-O/6 sl he by	492 Bl 823-O/6 sl by	49117535 he br by	
45 Bl 510-O/2 br sl by	186 Bl 711-O/3 sl br he by	493 Bl 611-O/5 sl he	33164788 he by	
48 sl he by br	187 br he by	512 SxBl 846-O/10 sl	35212655 he br by	
49 BlSx 821-O/4 sl bf	211 he by br	517 SxBl 833-O/7 sl	38202715 Bl 810-O/3 sl he by br	
54 BlSx 823-O/4 sl tf	220 SxBl 834-O/6 sl	519 Sx 720-O/7 sl	38843744 br by	
57 Bl 811-O/3 sl br he by	231 SxBl 834-O/7 sl	527 BlSx 825-O/6 sl	40783652 br by	
58 Bl 611-O/3 sl he by	254 BlSx 824-O/7 sl he by	529 SxBl 834-O/5 sl by	43323415 br he by	
63 Bl 610-O/4 sl he by	258 SxBl 836-O/7 st by	531 BlSx 825-O/6 sl	43418096 SeBl 834-O/9 sl	
64 Bl 826-O/6 by	265 BlSx 627-O/7	533 BlSx 825-O/6 sl	47918049 SeBl 832-O/9 sl	
75 BlSx 823-O/5 sl he by	272 SxBl 834-O/5 sl by	547 BlSx 825-O/5 sl hg	55705334 BlSx 737-15/15 GL94	
76 Bl 822-O/4 st bf by	308 Bl 812-O/3 sl he by	549 Bl 820-O/5 sl	56175472 BlSx 737-15/15 GL94	
78 Bl 611-O/3 sl he by	310 Bl 812-O/3 sl he by	552 BlSx 823-O/4 sl by	57515167 SxBl 112-22/22 GL94	
96 SxBl 835-O/10 sl	311 SxBl 836-O/8 sl	556 BlSx 721-O/6 sl	57545338 SxBl 112-22/22 GL94	
100 st hg	315 SxBl 727-O/8	561 Bl 820-O/5 sl	58147614 he es sl	
105 Bl 820-O/4 sl he	320 SxBl 727-O/9	567 SxBl) 830-O/5 st	58514536 SxBl 112-12/12 GL94	
107 Bl 514-O/6 sl hg by br	331 Bl 628-O/7	572 SxBl 823-O/4 sl he	58646202 SwBl 833-O/7 sl he G	
125 SxBl 834-O/7 st bf by	339 SxBl 836-O/7 sl	592 BlSx 823-O/5 sl by he	58786129 SwBl 833-O/7 sl he G	
127 SwBl 835-O/8 st bf by	341 Bl(Sx) 627-O/9	595 BlSx 827-O/7 by	○7 58804581 sl he G	
129 Bl(Sx) 824-O/4 sl by he	344 Bl 624-O/6 sl br	600 BlSx 823-O/5 sl by he	58878152 BlSe 834-O/6 sl	