Vegetation Map
094A039

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:

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
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.

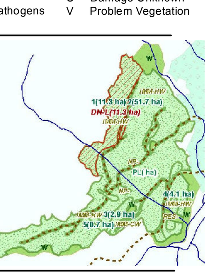
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

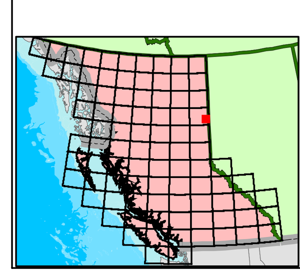
Example Opening History Details

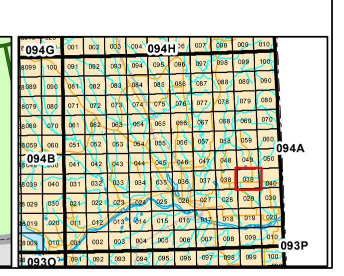
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

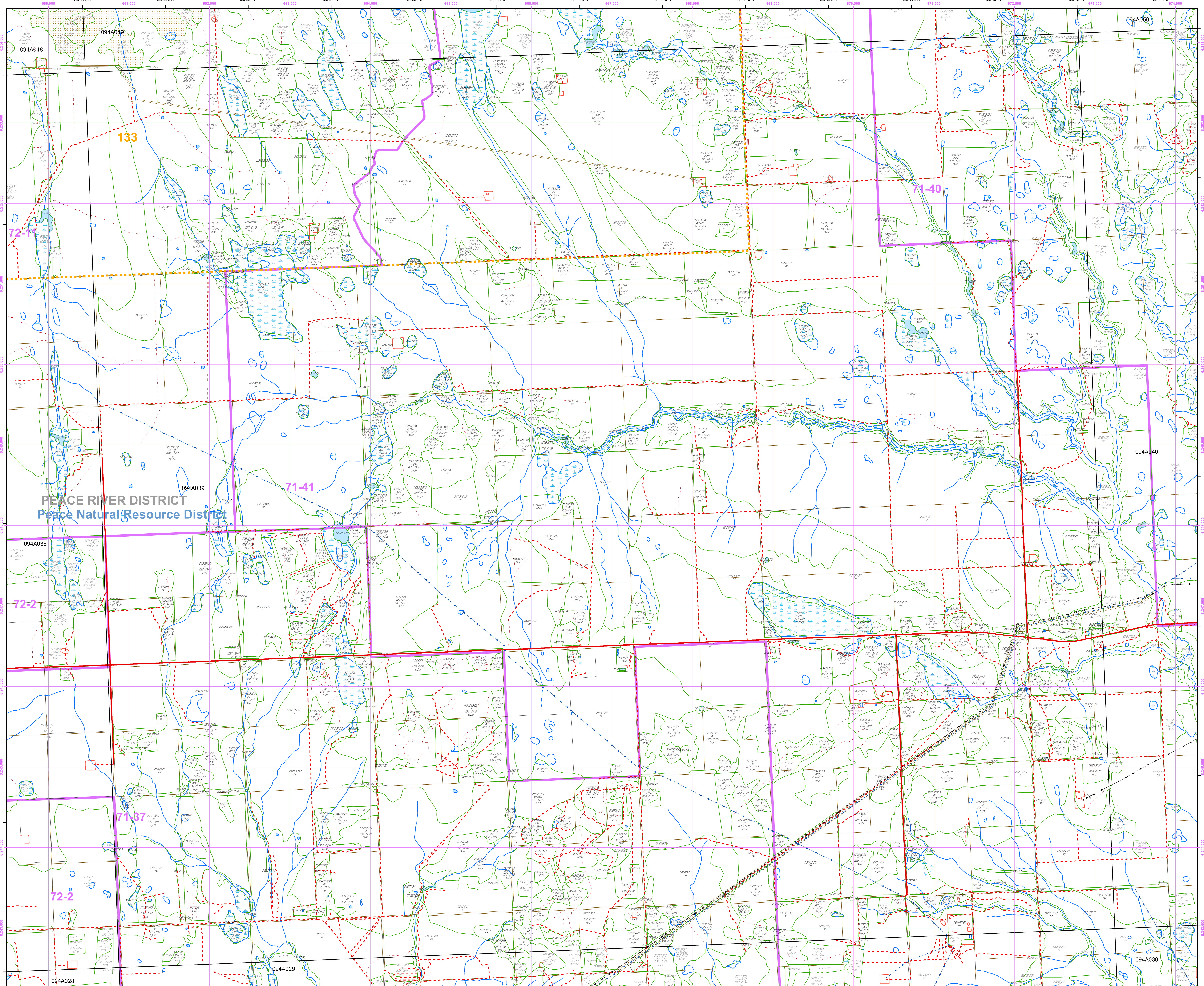
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

13543566 At(Pl) 420-O/16 he GE50	23759426 At(Ac) 425-O/16 sl te	30403353 he	40890427 At 537-O/17 sl te G	52048003 At(Sx) 835-O/15 sl te	62943669 he sl	76082073 At(Ac) 424-O/15 sl te ri	82394076 At 537-O/16 he sl
14780750 Ep(SbAt) 325-O/14 sl te	23823022 At 326-O/19 sl te	31003462 At 434-O/19 sl te	41301432 he sl	52188560 At(Sx) 224-19/19 sl te	62997889 At 327-O/19 he sl	76273043 he sl	82432687 ri sl te
15297880 At(EpSb) 224-18/18 sl te	23858347 At 326-O/19 sl te	31293725 At(PlEp) 430-O/18 sl te	41460734 EpAt(Ac) 425-O/15 sl te	53047906 es te	63103553 he sl	76818246 At 324-O/20 sl te	82553897 At 536-O/16 he sl
15708699 At(Sx) 535-O/15 sl te	23927384 Sb(Ep) 413-O/5 by sl tf rz	31672994 At 326-O/19 sl te	42022962 Pl(At) 537-O/16 tf by	53233606 Sb 414-O/6 by sl tf	63147412 At 536-O/16 he sl	77319092 At 226-19/19 sl te	82563678 At 535-O/15 sl te
15719664 he	23952735 At 326-O/19 sl te	31751436 At 325-O/17 sl te	42171897 At 427-O/17 he sl	53379765 At 536-O/16 he sl	63667681 At 325-O/19 sl te	77467736 At 436-O/17 he sl	82780702 Sb(Ep) 314-O/7 by sl te
16048625 At 535-O/15 sl te	24368531 he	32012702 At 326-O/19 sl te	42178572 At 435-O/17 sl te	53672086 At 327-O/15 he sl	63702057 At(Sb)(Ep) 224-16/16 sl te by	77574082 At 327-O/19 he sl	82789863 At 324-O/18 he sl
16547921 At(Sb)(Ep) 224-18/18 sl te	24889954 Sb 413-O/6 sl te by	32019838 Pl(Sx)At) 637-O/14 tf by	43032244 he es	53893826 he	64288850 AtEp 324-O/19 sl te	78079239 Sx(At)Ac) 423-O/18 sl te ri	82794073 he
16647559 At(EpSb) 224-18/18 sl te	24947813 At 425-O/15 sl te	32158818 AtEp 325-O/19 sl te	43307358 he	54097395 he	64631294 At 436-O/19 sl te G	78183369 he	82893485 At 536-O/16 he sl
16849631 At 535-O/15 sl te	24977360 At 425-O/16 sl te	32402389 At 326-O/19 sl te	43727257 he	54348480 At 327-O/18 he sl	65007430 At 536-O/15 he sl	78610770 At 436-O/18 sl te	82993424 Sx 320-O/22 sl te
16868726 At(Pl) 535-O/15 sl te	25221696 At(Sb) 225-19/19 sl te by	32410480 At(SxPl) 436-O/17 he sl	44057369 At(Sx) 224-19/19 he sl	54377398 At 535-O/15 sl te	65513453 At(PlEp) 536-O/18 he sl	78639679 At(Ep) 226-19/19 sl te	82993831 At 320-O/17 he sl
17553617 At(Pl) 536-O/15 he sl GE50	25270008 At(EpSb) 226-19/19 sl te	32498439 AtAc 535-O/15 sl te	44211048 At 434-O/19 sl te G	54472225 At 327-O/15 he sl	65833318 At(PlEp) 435-O/18 sl te	78792487 At(Pl)Ac) 436-O/18 sl te	83449771 At 327-O/20 he sl
18542188 At 225-19/19 sl te	26062111 At(Sx) 224-19/19 sl te	32509899 At 227-19/19 sl te	44467485 At 325-O/19 sl te	54658091 At 326-O/15 he sl	65929992 EpAt(Sb) 424-O/14 sl te	78928805 At 535-O/16 sl te	83487875 At 436-O/17 he sl
18669665 At(AcEp) 535-O/15 he sl	26122393 AtSx 634-O/16 sl te	32728247 At 533-O/15 sl te	44531958 At 435-O/17 sl te	55127408 he sl	66883978 At(Ac) 435-O/17 sl te	79149770 At 437-O/17 he sl	83919091 At(Pl) 436-O/17 he sl
19427150 At 326-O/17 he sl	26227946 At 425-O/16 sl te	32969135 AtEpSb 320-O/18 sl te	44641922 At 435-O/17 sl te	55873830/L PlAt 534-O/17 tf by GI11	67423441 sl te ri	79304096 he	84071271 At 225-16/16 sl te
19798337 At 326-O/19 sl te	26379430 sl te by	33229052 AtEp 325-O/21 sl te	45041085 sl te ri	56272112 At 325-O/16 sl te	67727782 he	79421323 At 434-O/18 sl te	84199739 he
19918379 At 924-O/4 sl te	26533001 At 326-O/19 sl te	33548436 AtAc 535-O/15 sl te	45581129 At 437-O/17 sl te	56328748/L At 632-O/16 sl te	67937635 AtEp 326-O/18 he sl	79703722 At(Sx) 426-O/16 sl te	84221577 AtAc 435-O/18 sl te
20077615 AtAc 536-O/14 he sl	26577142 he	35241698 SbAt 415-O/7 by sl tf	46220998 At(SxAc) 324-O/18 sl te ri	56832253 At 326-O/16 he sl	68872629 At(AcSx) 434-O/17 he sl	79797895 At 436-O/17 he sl	84391442 AtAc 436-O/18 sl te
20267412 AtAc 536-O/14 he sl	26692686 At 326-O/19 sl te	35398636 At 531-O/15 sl te	46241141 At 434-O/19 sl te G	57013853/L PlAt 534-O/16 sl tf by GI11	69627766 At 325-O/20 he sl	80108001 At 436-O/17 he sl	84541737 At 534-O/16 sl te
20339751 At 225-19/19 sl te	26709843 At 226-19/19 sl te	35411237 sl te ri	46859593 At(Sx) 436-O/18 he sl	57451980 At 436-O/18 he sl	69722699 At(AcSx) 436-O/17 sl te	80343751 Sb 410-O/7 he sl ri	84719880 At 325-O/18 sl te
20547409 he sl	27463116 AtEpSb 224-19/19 sl te	36487634 At(Sx) 435-O/16 he sl	46929734 At(SxPl) 436-O/18 he sl	58123447/L At(Pl) 524-O/14 sl te GI11	69882108 AtSx 325-O/18 he sl	80449773 At 435-O/17 sl te	85189791 he es
21038327 At 326-O/20 sl te	27759270 he	36951403 At 436-O/17 sl te	47037324 At 434-O/16 sl te ur	58153661/L Pl(Sx) 531-O/15 he sl ri GI11	70179744 Sx(At) 735-O/14 sl te	80604101 SbAt 412-O/5 sl te by	85430723 At 427-O/16 he sl
21412973 At 325-O/18 sl te	27777153 At 430-O/16 hg sl	37027627 he ur	47142050 At 327-O/17 he sl	58401257 At 321-O/18 sl te	70291136 sl te ri	80680288 At(Sx) 435-O/17 he sl	85439074 At(Pl) 436-O/17 he sl
21501993 sl te	27889456 At(Pl) 436-O/17 he sl	37147404 At 320-O/15 sl te	47417393 At 536-O/15 he sl	58543801 rz sl te	70529779 At 427-O/17 he sl	81209903 At(Sx) 535-O/15 he sl	85669797 At 425-O/15 sl te
21502548 Sb 310-O/6 sl te by	28019498 At 226-19/19 sl te	37370351 At(Ac) 325-O/17 sl te	47467872 Pl(At) 326-O/19 tf by	59313524 Pl(Sx) 531-O/15 he sl	71208120 At(Sx) 736-O/16 he sl	81303763 At 424-O/15 sl te	85739668 At 326-O/19 he sl
21592785 At 326-O/19 sl te	28029669 At(Pl) 436-O/17 he sl	37547630 At 325-O/16 sl te	48117695 Pl(At) 326-O/19 tf by	59511203 At 324-O/18 sl te	72720064 At 226-19/19 sl te	81449017 he	85870180 At 427-O/16 he sl
21672250 AtSx 735-O/17 sl te	28457198 At 530-O/16 sl te	37619424 he rz sl	48283762/L At(EpPl) 433-O/17 sl te GI11	59831300 At 536-O/15 sl te	73340013 he	81464114 he	86069829 he
21792625 At 326-O/19 sl te	28639279 At 321-O/18 sl te	37659339 SbEp 510-O/6 sl te	48787376 At 431-O/17 sl te G	60027744 At 327-O/19 he sl	73669636 he sl	81600737 At 436-O/18 he sl	86079780 At 420-O/16 he ur
22322158 AtSb 222-19/19 sl te by	28647499 At 537-O/14 he sl	38242746 At(Sx) 425-O/16 sl te	49871039 he sl ri	60041199 At 436-O/19 sl te G	73768286 SxAt 320-O/19 sl te	81621401 AtAc 435-O/18 sl te	86158993 At 327-O/20 he sl
22398339 At 325-O/20 sl te	28909400/L SxAt(Pl) 632-O/14 rz sl te GI11	38307786 At(PlSxAc) 536-O/15 he sl	50227900/L At 226-18/18 sl te	61849769 At 226-19/19 he sl	74478129 At 326-O/20 sl te	81652751 sl te	86439034 he
23383613/L At(PlSx) 535-O/15 he sl GE11	29499579 Sb 415-O/6 by sl tf	38913669 Pl(SxAt) 425-O/17 by sl te	50452035 he	61887420 At(EpSwAc) 425-O/15 sl te	75129861 At 221-19/19 he sl	81779751 At 321-O/19 he	86787902 At 425-O/15 sl te
23482375 AtSx 535-O/16 sl te	30002460 At 326-O/17 sl te	40010573/L At(Sb)Pl) 524-O/11 sl tf by GI11	50640990 At 536-O/16 he sl	62333510 Pl(Sx) 531-O/15 he sl	75221022 At 435-O/18 he sl	81987711 At(Ac) 425-O/15 sl te	87558341 AtSx 426-O/16 sl te
23499806 At(Ac) 425-O/16 he sl	30217493 At 535-O/14 he sl	40628538 sl te	50891088 At(SxAc) 324-O/18 sl te ri	62413631 At 326-O/18 he sl	75592113 At(Ac) 424-O/15 sl te ri	82389512 AtAc 425-O/16 sl te	

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