Vegetation Map

094B071

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 hybrid
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 meters.

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
rn 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.

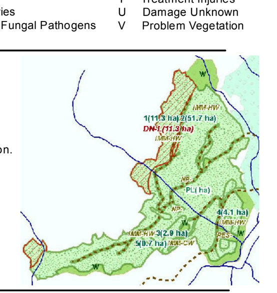
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

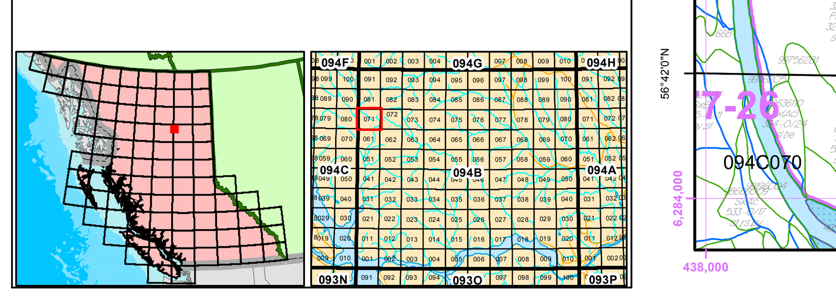
Example Opening History Details

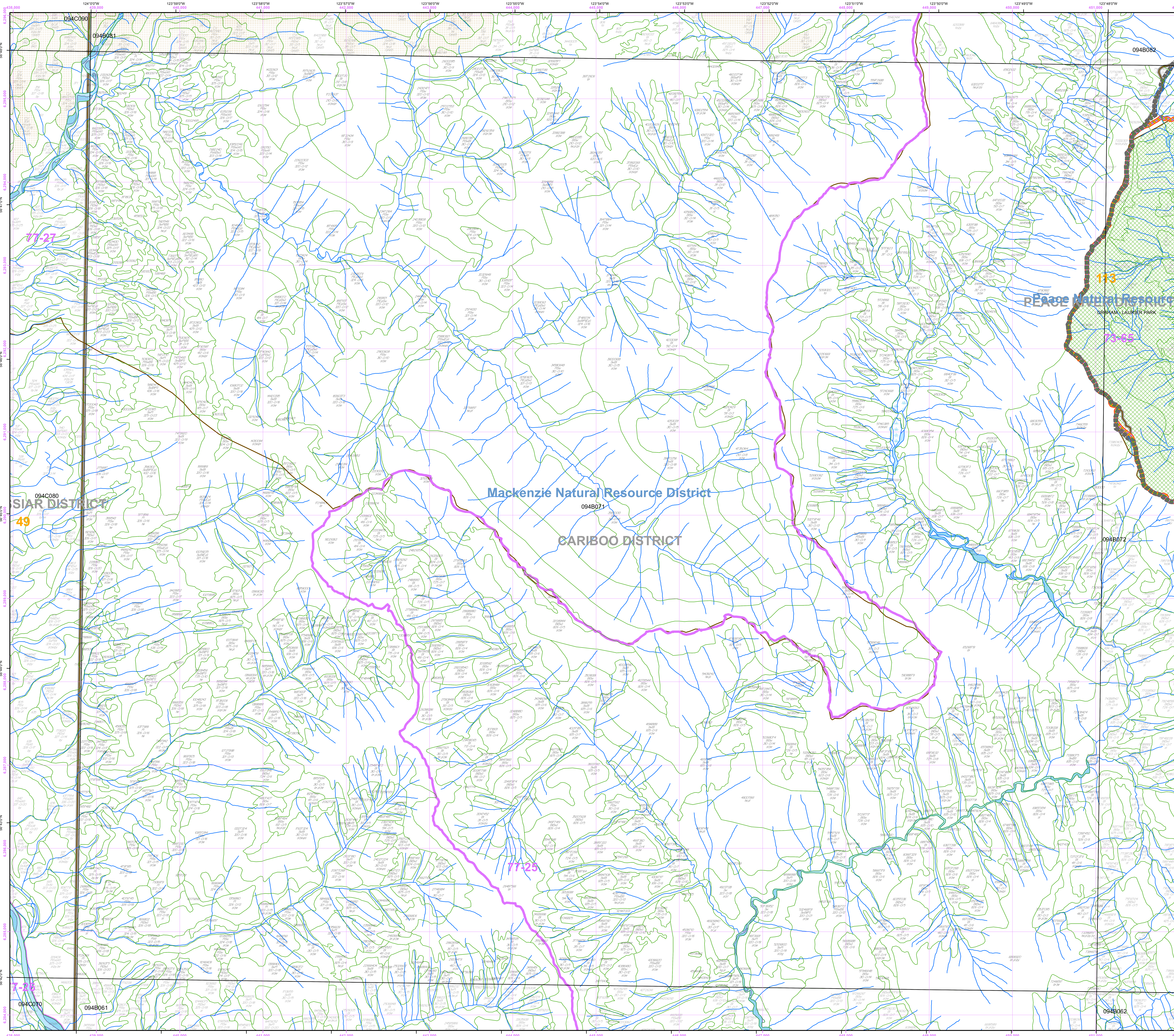
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

462808 Pl(At,Sw) 325-O/17 sl he	3370770 PlSw 325-O/17 sl he	14989665 BlSw 825-O/5 sl he	26246441 Bl 310-O/5 sl he	45786612 SwBl 834-O/7 sl he	56471001 Bl(Sw) 721-O/6 sl he	65257973 Bl 310-O/10 sl he es	7283003 ta
682570 Pl(At,Sw) 320-O/17 sl he rs	3436759 Pl 322-O/14 es sl he	15690421 sl he es	26627107 Bl(Sw) 824-O/4 sl he	45946482 SwBl 834-O/7 sl he	56561690 Bl 315-O/3 sl he	65607477 BlSw 826-O/5 sl he	7291574 BlSw 825-O/5 sl
772623 ri	3621098 PlSw 325-O/17 sl he	15739469 BlSw 822-O/5 sl he	26686423 Bl(Sw) 825-O/4 sl he	46436429 Bl 310-O/7 sl he	56681045 Bl 312-O/5 sl he	66291658 BlSw 624-O/7 sl he	7293908 br
872364 Pl(Sw,At) 325-O/17 sl he	4057434 PlSw 325-O/18 sl	16180190 BlSw 611-O/4 sl he	26808522 Bl 413-O/5 sl he	47036497 Bl(Sw) 836-O/11 sl bl	56888115 BlSw 723-O/6 sl br he	66451683 BlSw 624-O/7 sl he	73109369 BlSw 613-O/5 sl ta
1062743 Pl(At,Sw) 320-O/17 sl he	4151652 PlSw 324-O/18 sl he	16738056 Bl(Sw) 724-O/6 sl he	28922849 PlSw 320-O/12 sl he	47198393 BlSw 826-O/5 he	57020258 Bl(Sw) 414-O/9 sl he	66528395 Bl 410-O/6 br sl he	73289216 Bl(Sw) 726-O/7 sl
1150696 Pl(Sw,Bl) 326-O/16 he	4231362 Pl(Sw,At) 325-O/17 sl he	17018166 BlSw 825-O/5 sl he	29427741 Bl 414-O/5 sl he	47796394 Bl 310-O/7 sl he	58099949 Bl(Sw) 414-O/9 sl he	66751737 BlSw 624-O/7 sl he	73846718 Bl 510-O/4 he sl
1151233 PlSw 324-O/19 he sl	4256678 Pl 325-O/15 by he	17886675 PlSw 321-O/16 sl he	29756398 SwBl 310-O/5 sl he	48237269 Pl(Sw,Bl) 320-O/13 he sl	58270009 SwBl 833-O/8 sl he	67167542 Bl 310-O/7 sl he br	73876793 sl by br he
1392535 Pl(At,Sw) 320-O/17 sl he ri	4287286 PlSw 321-O/16 sl he	18128818 Bl 714-O/4 sl he	30262877 PlSwBl 324-O/13 sl he	48292926 PlSw 320-O/14 sl he	58420469 BlSw 823-O/6 sl he	67182140 Bl(Sw) 423-O/8 sl he	73886970 Bl 414-O/9 sl he ta
1529218 PlSw 325-O/19 sl he	4300283 PlSw 426-O/13 sl he	20409953 Bl 725-O/5 he sl	30408677 Bl 416-O/4 sl he	48358485 BlSw 826-O/5 he	58571552/L Bl 721-O/7	67318477 Bl(Sw) 811-O/3 br sl he	73947081 Bl 824-O/4 sl
1591517 SwPl(Bl) 320-O/19 sl he	4448723 PlSw 321-O/16 sl he	20557433 SwBl 310-O/13 sl he es	30436387 Bl 310-O/15 sl he	48722944 BlSw 826-O/6 sl	58628167 Bl(Sw) 510-O/4 sl he	67328172 BlSw 835-O/7 sl he	73956490 Bl 510-O/4 he sl
1678567 PlSw 325-O/17 sl he	4512717 Pl(Sw,At) 326-O/17 sl he	20627234 Bl 310-O/7 sl he	31118811 SwBl 833-O/6 sl he	49016645 SwPl 320-O/19 sl hg	58637630 Bl 310-O/10 sl he es	67470103 BlSw 722-O/7 sl he	
1688985 PlSw 325-O/17 sl he	4802674 Pl 320-O/13 es sl he	20798822 Bl 510-O/4 sl he br	31246496 Bl(Sw) 823-O/4 sl he	51012600 Bl 311-O/5 sl	58660825 BlSw 824-O/6 sl he	67582184 Bl 314-O/5 sl he	
1932419 Pl(Sw) 324-O/19 sl he	5301303 Pl(Sw,Ep) 325-O/17 sl he	21569279 Bl 414-O/2 sl he	31336398 SwBl 310-O/15 sl he	51238359 Bl(Sw) 826-O/4 he	59199463 Bl 513-O/4 sl he	67639257 Bl(Sw) 515-O/7 sl he	
1968509 PlSw 323-O/15 sl es	5352811 PlSw 326-O/17 sl he	21689192 Bl 514-O/5 sl he	31377617 Bl 314-O/6 sl he	51798447 Bl 514-O/5 he sl br	59358062 Bl(Sw) 511-O/5 br sl	67808291 SwBl 835-O/7 sl he	
1988708 PlSw 321-O/15 sl he	5361468 SwPl(Bl) 320-O/19 sl he	21748448 Bl 715-O/4 sl he	31428589 SwBl 935-O/6 sl he	52699813 Bl 311-O/5 sl he	59406468 Bl(Sw) 826-O/6 sl he	67982957 Bl 314-O/5 sl he	
2131288 SwPl(Bl) 320-O/19 sl he	6140979 Pl(Sw,Ep) 325-O/17 sl he	21896330 PlSw 322-O/15 sl he	32036477 Bl(Sw) 825-O/4 sl he	53012745 Bl 312-O/5 sl he	59731304 BlSw 326-O/13 sl he	68117589 Bl 310-O/7 sl he br	
2198666 PlSw(At) 325-O/17 sl he	7556283 Pl(Sw) 326-O/17 sl	22038779 Bl 714-O/4 sl he	32656467 Bl 410-O/7 sl he	53399915 Bl 315-O/8 sl he	60697482 SwBl 835-O/9 sl he	68237641 BlSw 826-O/4 sl	
2198808 PlSw 322-O/15 es sl	8198866 PlSw 426-O/15 he	22207599 BlSw 623-O/6 sl he	33627643 Bl(Sw) 626-O/8 sl he	53452831 Bl 725-O/6 sl he	61051837 Bl(Sw) 723-O/5 sl he	68368262 sl he es	
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2308763 PlSw 324-O/17 sl he	9092823 Sw(Pl,At) 320-O/22 sl he	22349669 Bl 416-O/4 sl he	37046825 Bl 414-O/6 sl he	54801432 ta	61851276 BlSw 833-O/8 ri sl he	68590260 Bl 412-O/5 sl he	
2328048 PlSw 324-O/16 es sl	9128571 SwBl(Pl) 735-O/10 he	22450304 SwE,p(Pl) 321-O/15 sl he	37687164 SwBl 935-O/5 sl he	54841634 Bl 317-O/3	62797180 Bl 410-O/4 br sl he	68657630 Bl 310-O/7 sl he br	
2361534 PlSw 325-O/17 sl he	9357001 SwBl(Pl) 846-O/16 sl bl	22558503 Bl 313-O/7 sl he	39276430 Bl 823-O/3 sl he	55150204 Bl(Sw) 626-O/7 sl he	63837523 SwBl 421-O/12 sl he	68952834 Bl(Sw) 514-O/6 sl he	
2496308 PlSw 323-O/18 he sl by	10002495 PlSw 324-O/15 sl he	22727671 Bl(Sw) 614-O/5 sl he	39747490 BlSw 326-O/14 sl he	55268011 BlSw 724-O/6 sl he	6386168 BlSw 626-O/9 sl	69208355 sl he es	
2657482 Pl(Sw) 322-O/15 es sl he	10076892 Pl 322-O/17 sl bl	22959236 Bl 416-O/2 sl he	40217832 SwBl 932-O/6 sl he	55390385 Bl(Sw) 625-O/7 sl he	64167735 Bl 310-O/10 sl he es	69212977 Bl(Sw) 715-O/4 he sl	
2709626 PlSw 326-O/17 sl he	10278995 BlSw 825-O/6 sl he	23018857 Bl 510-O/3 sl he br	40547268 Pl(Sw,Bl) 320-O/13 he sl es	55721600/L Bl 712-O/4	64307138 BlSw 722-O/6 sl he br	69643012 Bl 314-O/5 sl he	
2752183 PlSw 324-O/15 sl he	10398802 SwBl(Pl) 321-O/16 sl he	23446916 SwPl 320-O/16 sl he	41922412 br sl he	55727189 BlSw 825-O/6 sl he	64521633 BlSw 310-O/5 sl he ri	70769261 BlSw 833-O/9 sl he	
2797696 SwBl 832-O/10 sl he	10620322 BlSw 825-O/5 sl he	23597651 Bl(Sw) 614-O/5 sl he	42967003 Bl 310-O/7 sl he	55977745 Bl 410-O/4 br sl he	64760247 Bl 412-O/5 sl he	71117795 Bl 310-O/7 sl he br	
2826387 PlSw 324-O/18 sl he	13056657 Pl 323-O/15 sl by he	23837487 Bl(Sw) 514-O/6 sl he	43907430 SwBl 932-O/6 sl he	56020789 Bl(Sw) 625-O/7 sl he	65007791 BlSw 824-O/6 sl he	71427439 Bl 310-O/3 br sl he	
2871745 PlSw 323-O/16 sl he	13168824 sl he	24026398 Bl 310-O/5 sl he	43927365 SwBl 935-O/7 sl he	56138042 BlSw 724-O/6 sl he	65041210 BlSw 613-O/5 sl he	71472943 Bl(Sw) 615-O/5 he sl	
2948071 PlSw 325-O/17 sl he	13219272 BlSw 822-O/5 sl he	24276809 Bl(Sw) 825-O/4 he sl	44432846 BlSw 823-O/3 sl he	56411736 ta	65081597 BlSw 725-O/6 sl he	71719460 BlSw 824-O/5 sl he	
3171803 SwPl(Bl) 321-O/19 sl he	13489705 Bl 510-O/4 sl he br	24829357 Bl 825-O/6 he sl	45117025 BlSw 735-O/11 sl he	56290947 BlSw 726-O/6 sl he	65147604 SwBl 421-O/12 sl he	72737924 Bl(Sw) 626-O/9 sl	