Vegetation Map

094P085

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

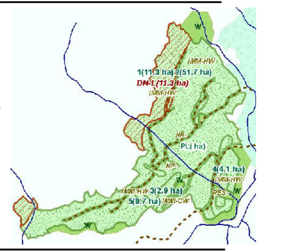
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

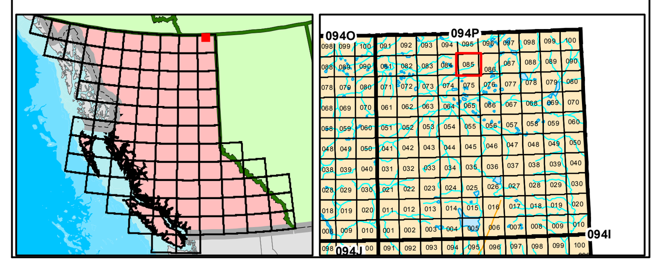
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects
L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens
R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

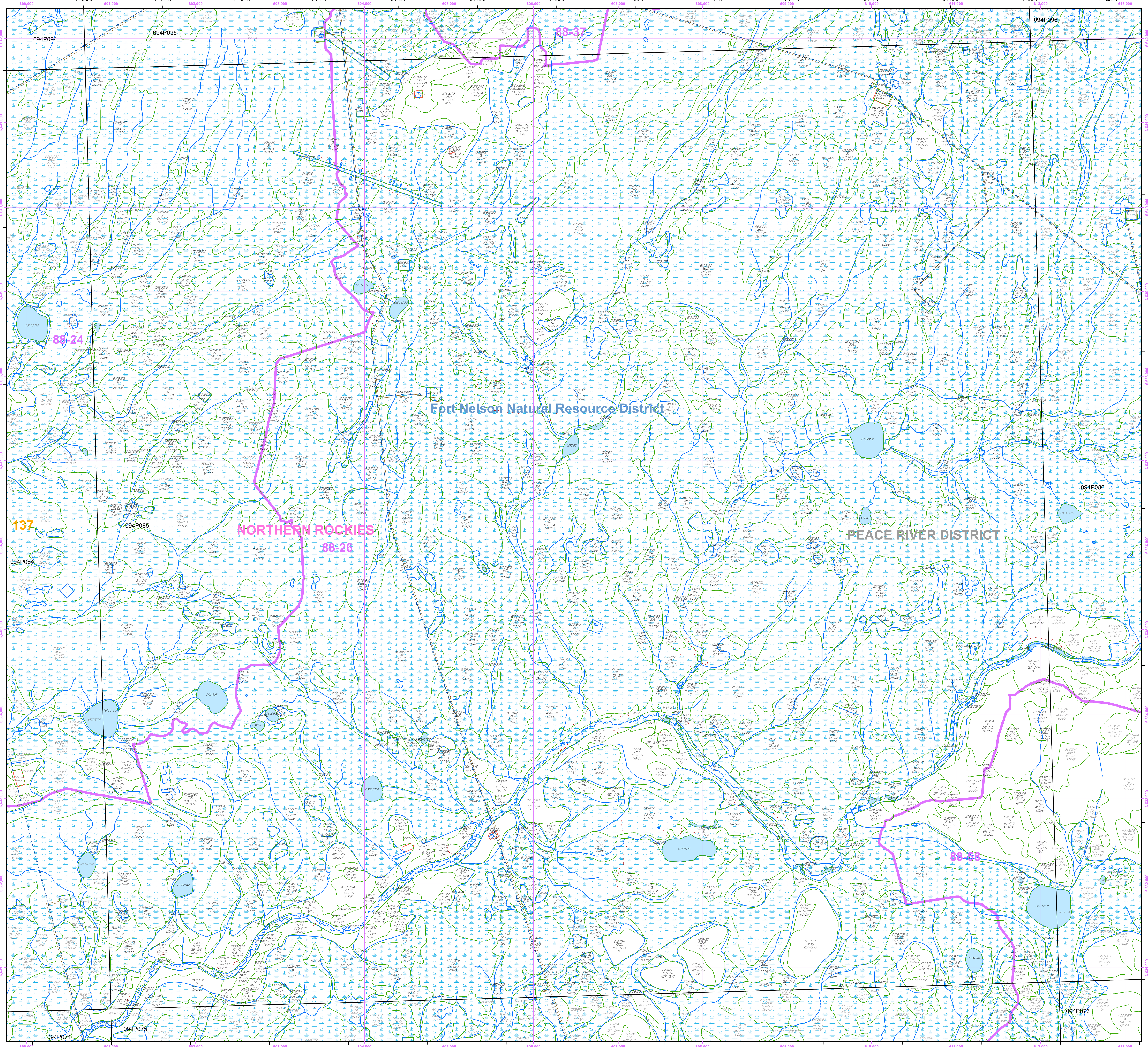
Example Opening History Details

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

134660 PlSb 426-0/13 by bf	15468346 Sb 310-0/5 sl he by	28075973 PlSb 427-0/12 by	69565473 SbLt 413-0/6 sl he by	80176384 Pl(Sb) 426-0/13 by sl bf	9085032 PlAt(Sb) 426-0/13 by bf
317812 sl he	15794118/L Lt(Sb) 521-0/8 by sl bf	28284226 Sb 314-0/7 sl he by	69605309 SbLt 414-0/7 sl he by	80204407 Sb 414-0/5 by sl bf	9086819 Sb 310-0/5 sl he by
344026 Sb 412-0/5 he by sl es	15656637 PlSb 424-0/13 by sl bf	28395868 Sb 520-0/7 sl he ri	69774942 LtSb 314-0/6 sl by he	80244231 Sb 510-0/6 sl he ri	9135825 he es sl
1165631 PlSb 425-0/15 by sl bf	16167781 Sb 410-0/5 sl he by ri	28825942 PlSb 425-0/14 by sl bf	69809309 Sb 313-0/6 sl he by	80386286 Sb 310-0/6 sl he	92296688 PlSb(At) 425-0/13 by sl bf
2584154 Pl(Sb) 426-0/12 by bf	16335364 Ep(SbEa) 325-0/12 he sl	29086442 Sb 414-0/6 sl he by	70254090 Sb(Lt) 415-0/5 sl by he	80693855 Sb 526-0/7 sl bf by	93493954 Sb(Lt) 514-0/6 sl he by
3438024 Sb(Lt) 411-0/6 sl he by	16398634 Sb(Lt) 414-0/6 sl he by	29120670 Sb(Pl) 414-0/7 sl by he	71177643 Sb 313-0/7 sl he by	80764786 Sb 516-0/6 by	93668593 Sb 310-0/5 sl he by
3624031 PlSb 425-0/13 by sl bf	18658087 Sb 310-0/5 sl he by	29155891 SbPl 613-0/6 sl he by	71297512 Sb(Lt) 514-0/6 sl he by	81774459 PlAt(Sb) 426-0/13 by sl he	94138461 Sb 512-0/6 sl he by
3978340 Sb 411-0/6 sl he by	19079609 Sb 314-0/7 sl he by	29606499 PlSb 425-0/13 by sl bf	71623977 PlAt 525-0/11 by sl he	81844991 SbPl 516-0/6 by sl bf	95229621 AtSbSw 425-0/16 he sl
4488807 Sb 512-0/6 sl he by	20479914 Sb 314-0/7 sl he by	30076246 Sb 721-0/6 sl he ri	71818397 Sb 414-0/6 sl he by	82064657 Sb(Sw) 725-0/6 by sl bf	95246934 Sb 514-0/6 sl he by
5048627 Sb(Lt) 514-0/6 sl he by	21504152/L Lt(Sb) 521-0/8 by sl bf	30284211 Sb 314-0/6 sl he by	72223862 Sb 610-0/6 sl he ri	83214572 Sb 314-0/6 by sl bf	95506647 Sb 410-0/6 sl he
5518341 Sb 310-0/5 sl he by	21510396 Pl(AtSb) 425-0/11 by sl bf	30406204 Pl(Sb) 425-0/14 sl by bf	72873992 Sw 424-0/17 sl ri he by	83866216 SbPl(LtSwAt) 624-0/6 sl he by	96178822 Sb 414-0/5 by bf sl
5874090 Sb 514-0/6 sl he by	21565045 SbPl(Sw) 515-0/6 sl he by	30514224 Sb 615-0/6 by sl he	72968345 Sb 514-0/6 sl he by	85474073 Sb 414-0/5 sl by he	96339885 Sb 310-0/5 sl he
6818626 Sb 310-0/5 sl he by	21750654 SbPl 414-0/7 sl he by	31714264 Sb 314-0/6 sl he by	73089701 Sb 315-0/6 sl by he	85515337 SbLt 514-0/6 sl he by	96339174 Sb 825-0/5 hf by sl
6895680 PlSb 425-0/15 by sl bf	21865764 SbPl 615-0/6 by sl bf	32337963 Sb 410-0/6 sl he ri	73786735 Sb 413-0/6 sl he by	85959607 he sl	96366305 Sb(Pl) 624-0/6 sl bf by
7064031 PlSb 427-0/13 by	21925015 Sb 310-0/8 sl he	32419901 Sb 615-0/5 by sl bf	74364688 LtSb 410-0/6 he sl	86350358 Sb 312-0/7 sl he by	96827290 Sb 514-0/6 sl he by
7076001 PlSb 424-0/13 sl bf by	22174154 PlSb 426-0/12 by bf	32618751 Sb 414-0/6 sl bf by	74729241 Sb 624-0/6 sl he by	86494515 PlSb 426-0/13 by	97239428 Sb(EpAt) 825-0/5 sl he by
7114166 Sb 416-0/6 by sl bf	22937914 sl he ri	33098118 Lt 310-0/6 sl he	74824410 SbLt 624-0/6 sl he by	86499037 Sb 310-0/5 sl he by	97494805 Pl(Sb) 427-0/13 by bf
7284697 SbLt 413-0/5 sl he by	23568601 Sb 615-0/6 hf by sl	33226509 sl he ri	75268470 Sb 614-0/6 sl he by	86868824 SbLt 623-0/6 sl he by	98016278 SbPl 615-0/6 by sl bf
7339177 Sb 725-0/6 sl he by	23907574 Sb 310-0/7 sl he by	33508268 Sb 414-0/6 sl he by	75308054 he es sl	87704194 Sb 310-0/6 he	98085330 Sb 510-0/6 sl he ri
8225073 Sb 410-0/6 he sl	24064173 Pl(Sb)(Lt,Ep) 426-0/12 by bf	34496555 Sb 510-0/6 sl he ri	75626409 SbLt 410-0/6 he sl	87988330 SwPlSb 526-0/10 by sl bf	98145026 Sb 412-0/6 sl he by
8254037 Sb 414-0/5 sl he by	24477318 Sb 311-0/5 sl he by	34904308 Sb 314-0/7 sl he by	75806536 Pl 426-0/13 by sl bf	88067016 Sb(Pl)(Lt) 626-0/6 by sl he	
8886068 Pl(AtSb) 427-0/12 by	24520564 Sb(Lt) 812-0/3 sl he by	35525278 SbSw 825-0/5 sl he by	76436457 Sb(Lt) 414-0/6 sl he by	88115704 Sb 410-0/6 sl he	
8940010 Sb 515-0/6 by sl he	24739455 Sb 314-0/7 sl he by	35634496 sl he ri	76678588 Sb 311-0/7 sl he	88304048 Sb 514-0/6 sl he by	
9098722 Sb 310-0/5 sl he by	24820495 SbPl 414-0/7 sl by he	35834899 Sb 413-0/6 sl he by	77006270 LtSb 310-0/6 he sl by	88405798 Pl(Sb) 526-0/13 by bf	
9166163 Sb 520-0/7 sl ri he	25037801 Sb 410-0/5 sl ri he by	66979200 SbLt 514-0/6 sl he by	77393854 Sb 414-0/5 by he sl	88554538 SwSb 422-0/16 sl he ri by	
9318621 Sb 310-0/5 sl he by	25047044 Sb 310-0/6 sl he by	67368370 SbLt 513-0/6 sl he by	77606452 Pl 426-0/13 by sl bf	89098708 Sb 310-0/6 sl he by	
11810586 SbLt 714-0/4 sl by he	26367430 Sb 410-0/5 sl he by	67548234 Sb 414-0/5 by sl he	78073840 Sb 514-0/6 by he sl	89248967 Sb 512-0/6 sl he by	
12005780 SbPl 512-0/6 sl he by	26415613 Sb(Sw) 524-0/7 sl he by ri	67707952 Sb 413-0/6 sl he by	78638078 Sb 414-0/6 sl he by	89320203 la he sl	
12745848 PlSb 421-0/12 sl he by	26510666 Sb 814-0/4 sl by he	68538780 Sb 410-0/5 sl he by	79184620 SbLt 415-0/7 sl he by	89365681 he es sl	
13989062 Sb 514-0/5 sl by he	26744191 PlSb 427-0/12 by bf	69030226 Sb 516-0/5 by sl	79423836 Sb 514-0/6 by he sl	90075684 Sb 314-0/7 sl he by	
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14879246 Sb 314-0/6 sl he by	28048119 Sb 310-0/5 sl he by	69335519 PlSbAt 425-0/13 sl by bf	80065814 LtSb 310-0/6 he sl by	90238998 Sb 310-0/5 sl he by	