094B075

Vegetation Map
094B075

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.

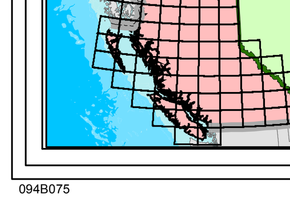
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

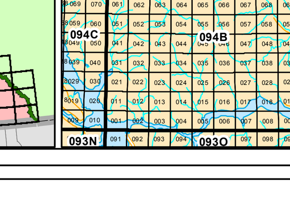
Example Opening History Details

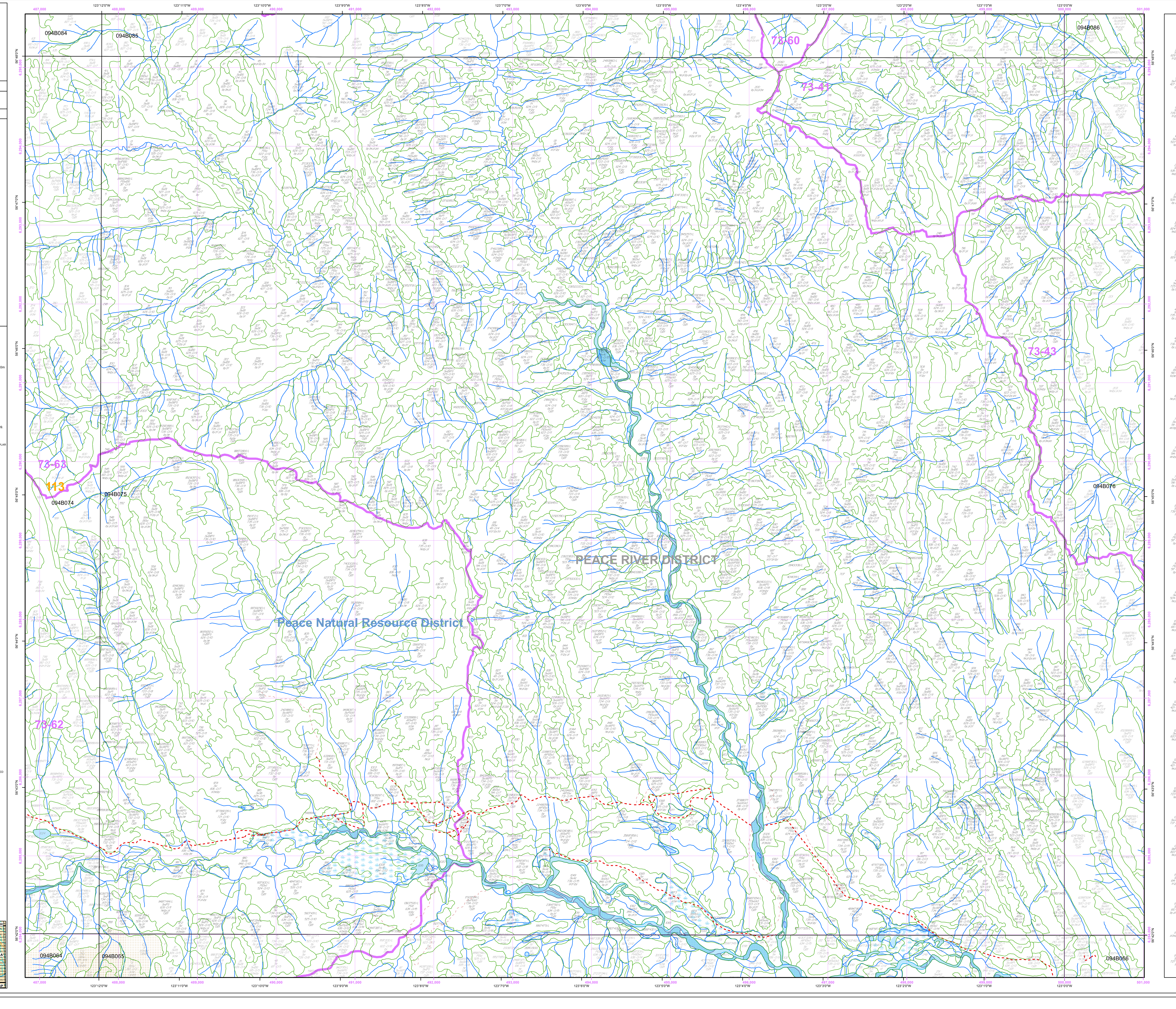
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

2 Sw 626-0/9 hf by sl	181 Sw(Pl) 615-0/6 hf by sl	302 SwBl 512-0/5 he by sl ta	547 SwBl 615-0/5 by hf	801 Sb 634-0/12 sl he by	969 Sw 630-0/13 he sl	1157 At(Sw) 315-0/4 sl he	12702918/L SwBl(Pl) 626-0/9 by he GI11	22421802/L SwPlAt(Sb) 623-0/9 by GI11	29451157/L At(Pl)(Sw) 725-0/10 by hf GI11	45168286/L SwPl 633-0/13 hf by GI11	89787746/L SwAt(Pl) 736-0/14 sl he by GI11
5 SwPl(Bl) 427-0/10 by	182 BlSw 824-0/4 he sl	317 SwBl(Pl) 736-0/10 hf by sl	552 SwBl 724-0/7 sl by ta he	820 SwBl 414-0/6 sl hf by	981 SwBl 623-0/7 he sl by	1160 AtSw 426-0/9 sl he	12789812/L SwBl(Pl) 626-0/11 by hf GI11	22431525/L SwPl 525-0/11 by GI11	29563786/L Pl(Sw) 623-0/9 by hf GI11	47497517/L SwAtPl 734-0/11 hg sl by GI11	89858256/L SwAt(Pl) 624-0/9 by sl hf GI11
8 Sw 726-0/8 hf by sl	185 Sw 610-0/4 by sl hf es	350 SwBl(Pl) 627-0/10 by	553 SwSb 510-0/3 sl by hf ta	822 At 426-0/10 he sl	984 Sb 512-0/5 sl by hf	1162 Sw 310-0/11 he sl es	13072419/L SwPl(At) 622-0/7 he sl GI11	22920590/L SwPl 522-0/8 by GI11	29732077/L Pl 625-0/11 by GI11	47642289/L SwPl 524-0/11 by hf GI11	89958138/L PlAtSw 723-0/12 by GI11
18 SwBl 522-0/11 he sl	188 Sw 615-0/6 hf by sl	356 SwBl 526-0/9 by hf	556 BlSw 517-0/7 by	825 SwBl 411-0/9 hf by sl br	1000 At 315-0/8 he sl	1165 Sw 621-0/8 he sl by	13653754/L Sw(At)Pl 634-0/11 he sl by GI11	22940340/L SwPl 524-0/8 by GI11	30003583/L PlSw 525-0/10 hf by GI11	47688427/L SwAtPl 526-0/13 hf by GI11	89958678/L AtSw(Pl) 625-0/9 he sl by GI11
26 Sw 535-0/13 he by sl	189 es he by sl	380 SwBl 624-0/9 by he sl	566 Sw 634-0/12 he by sl	830 At(Sw) 635-0/13 he sl	1020 Sw(Ac) 735-0/13 sl he by	1166 Sw 634-0/10 sl he by es	13792850/L SwPl(At) 623-0/9 sl hf by GI11	23001947/L Sb(Pl) 623-0/8 hf by GI11	30220921/L Sb(At)Pl 520-0/9 by GI11	49480268/L SwPl 624-0/10 by hf GI11	90878626/L At(Sw)Pl 623-0/11 by hf GI11
28 SwBl 526-0/12 by sl hf	190 Bl 410-0/6 sl by he es	408 Sw(Sb) 422-0/13 he by sl	611 SwBl 411-0/5 by he sl ta	833 SwBl 312-0/11 sl he by	1028/L Sw(Ac) 734-0/13 sl he by	1167 SwBl 512-0/6 he sl by	14002372/L PlAt 623-0/8 hf by GI11	23563879/L SwPl 627-0/12 by GI11	30452764/L PlSw 623-0/9 by sl hf GI11	50158229/L PlSw(At) 623-0/12 by GI11	91918785/L Sw(Pl) 623-0/11 sl hf by GI11
30 Sw 824-0/6 he by sl	192 he sl by es	409 he sl	619 Sw(Pl) 736-0/11 by sl hf	834 SwBl 411-0/9 he sl by es	1034/L Sw 844-0/15 sl he by	1175 SwAc 535-0/16 sl he	14111701/L SwPl 623-0/8 by sl hf GI11	23652220/L SwPl 625-0/10 hf by sl GI11	30473012/L Sw(Pl) 624-0/9 by hf GI11	50250033/L SwPl 736-0/10 hf by GI11	92013430/L SwPl 625-0/9 he by sl GI11
37 Sw 826-0/5 he	201 es by sl he	415 Sw(Sb) 420-0/13 he sl	635 Sw 626-0/11 by sl hf	841 Bl 410-0/4 br sl by	1040 Sb 615-0/5 by sl hf	2003 Pl(Sw)Bl 317-0/8 hf by	14922230/L PlSw 622-0/11 hf by GI11	23731116/L AtSw(Pl) 733-0/12 by sl hf GI11	30897432/L Sw 843-0/10 sl	50569947/L Sw(Pl) 736-0/10 hf by GI11	92938732/L Sw(Pl) 735-0/11 by hf GI11
41 SwBl 725-0/7 by hf sl	202 SwBl 512-0/6 by sl he	423 Sb(Sw)Pl 624-0/7 he by sl	653 SwAt 732-0/11 he sl by	842 Sw(Pl) 726-0/9 by sl he	1061 Sw 424-0/15 sl he	2005 Sw(Pl) 736-0/10 by sl he	14931295/L PlSw 521-0/8 hf by sl GI11	23750000/L SwPl 522-0/8 by GI11	32473089/L SbPl 623-0/9 by hf GI11	54778601/L Sw(Pl) 736-0/11 by sl hf GI11	99437351/L Sw(Pl) 626-0/11 he by sl GI11
43 Sw 735-0/12 by sl he	208 Bl 610-0/2 he es sl by	426 Sb(At)(Sw) 622-0/7 he by sl	658 Sb 515-0/7 by sl he	862 Sb 723-0/9 by sl he	1069 Sw(Ac) 635-0/13 sl he by	2011 SwBl 512-0/4 by he sl es	15277439/L Pl(SwSb) 625-0/12 by GI11	24412455/L PlSwSb 734-0/14 hf by sl GI11	32687411/L Sw 843-0/10 sl	55348560/L PlSw 726-0/12 by hf GI11	
48 Sw 736-0/12 by sl he	211 Bl 410-0/5 by sl hf es	447 Sw 623-0/9 by sl hf es	659 Sb 516-0/7 by sl hf	871 sl he rs	1071 Sb 620-0/8 he by sl	2015 SwBl 626-0/10 he by sl	15622158/L At(Sw)Pl 623-0/9 hg sl es GI11	24722900/L Pl 623-0/11 sl he by GI11	33292534/L AtSw(Pl) 624-0/8 by sl hf es GI11	55358469/L SwPl 627-0/11 by GI11	
61 BlSw 510-0/3 ta he by sl	214 sl he by ta	448 Sw 611-0/4 by ta sl hf	663 Sw 736-0/14 by sl hf	872 Sw(Ac) 736-0/12 hf sl by	1074 Sw 946-0/14 by hf	2017 BlSw 514-0/6 sl hf by	15762897/L Sw(Pl) 736-0/13 hf by sl GI11	24891691/L Sb(Pl) 624-0/9 by GI11	34171485/L PlAtSw 623-0/10 he by GI11	55618857/L Pl(Sw) 625-0/12 by GI11	
62 he sl by ta	216 by ta sl hf	457 Sw 511-0/6 he sl by es	666 SwSb 625-0/10 by sl hf	882 Sw 736-0/11 by sl hf	1084 Sw 637-0/13 by	2032 BlSw 824-0/6 he by sl	16491626/L PlSw 622-0/9 by GI11	25241251/L Pl 621-0/13 by hf GI11	34382489/L Pl 623-0/9 by hf GI11	56868414/L PlSw(Bl) 526-0/9 by sl hf GI11	
73 Sw 511-0/4 es hg sl by	219 he es sl by	459 Sw 631-0/12 he by sl	686 SwBl 726-0/8 he by sl	883 SbSw 511-0/6 he by sl	1095 Sw(At)Pl 734-0/13 hg sl by	2033 Sw(Ac) 735-0/13 sl he by	16732925/L Sw(At)Pl 523-0/9 he sl by GI11	25763537/L Pl(Sw) 624-0/10 by hf GI11	34507694/L PlSw 734-0/13 hf by GI11	57028557/L Pl(Sw) 627-0/12 by GI11	
76 Sw(Bl) 514-0/6 es by sl hf	221 SwBl 527-0/11 by hf	462 Sw 621-0/8 by ta hf sl	694 SwBl 525-0/11 by hf ta	886 SwSb(Bl) 625-0/9 sl hf by	1098 Sb 510-0/7 he sl	2038 Sw 835-0/11 he by sl	16871339/L PlSw 523-0/9 by GI11	25962762/L PlSw 624-0/11 by GI11	35139645/L At(Pl) 734-0/12 he by GI11	57473940/L SwBl(Pl) 527-0/8 by GI11	
77 SwBl(Pl) 516-0/8 by sl hf	234 Sw 736-0/11 sl by hf	474 Sw(Bl) 725-0/9 sl hf by	698 Bl 410-0/3 sl hf by br	888 Sw 636-0/14 he sl by	1102 Sb 514-0/6 sl hf by	2046 Sb(Pl) 626-0/8 by sl hf	17267369/L Pl(Sw) 624-0/12 by GI11	25992380/L AtSb(PlSw) 523-0/9 by hf GI11	35682422/L Sw(Pl) 635-0/12 hf by sl GI11	57608548/L PlSw(Bl) 526-0/9 by sl hf GI11	
83 Sw 736-0/9 he	238 ta he by sl	476 Sw 621-0/7 he sl es by	699 SwBl 511-0/6 by sl hf br	893 Sb 514-0/6 sl hf by	1105 At(Pl) 425-0/9 he sl	2052 SwAt 736-0/10 by sl he	18113332/L SwPl 621-0/10 by hf GI11	26258123/L PlAt 725-0/11 by he GI11	36730647/L Sw(Pl) 522-0/10 by GI11	58348511/L SwPl(Bl) 526-0/7 by GI11	
87 Pl(Sw) 517-0/5 by hf	241 Sw 621-0/10 he sl by es	478 Sw 624-0/9 by hf sl es	702 SwBl 525-0/10 by hf sl	898 Sw 524-0/12 by he sl	1110 Sw 514-0/8 by sl hf	2053 SwAt 635-0/12 by sl he	18283528/L PlSw 622-0/10 by hf GI11	26360953/L SwAt(Pl) 730-0/11 sl he by GI11	37390784/L Sw(Pl) 523-0/9 by hf GI11	58418641/L SwPl(Bl) 526-0/10 by GI11	
94 Pl(Sw) 517-0/5 by hf	242 Sw 836-0/5 he	483 by sl hf ta	707 SwBl 514-0/8 sl hf by br	899 AtSw 525-0/12 by sl he	1111 SwAc 730-0/11 hg sl	2054 SwAt 626-0/11 by sl he	18407982/L AtSw(Pl) 423-0/10 he sl GI11	26952672/L PlSw 623-0/11 by hf GI11	37411319/L SwBl(Pl) 625-0/9 by sl hf GI11	58928523/L SwPl(Bl) 513-0/5 sl hf by GI11	
95 SwAt 524-0/12 he sl es	244 Sw(Bl) 735-0/10 by sl hf	498 Sw 521-0/12 he sl by	710 Sw 521-0/7 hg sl es by	900 Sw(At) 310-0/11 he sl	1113 SwAt 311-0/11 he sl	1153114/L Sw(Pl) 723-0/7 by sl he ta GI11	18733894/L Sw(AtPl) 634-0/13 he sl GI11	27043754/L Pl 624-0/10 by hf GI11	37651653/L Sw(Pl) 524-0/11 he by GI11	59248445/L SwPl(Bl) 526-0/10 by GI11	
106 Sb(Pl) 610-0/5 he sl by	250 Sw 527-0/12 by hf	505 by es hf	712 Sw 525-0/12 he by sl	904 Sw 515-0/8 sl hf by	1122 SwAt 310-0/9 he sl by	1522874/L SwPl 631-0/13 hf by GI11	19008545/L AtSw(Pl) 724-0/11 he by GI11	27393200/L Pl 626-0/9 by hf GI11	39400136/L Sw(Pl) 636-0/13 by GI11	5930299l SwPl(Bl) 626-0/11 by sl hf	
108 Sb(Pl) 821-0/5 he sl by	251 sl by es he	506 Sw 736-0/10 hf by sl	721 Sw(Bl) 526-0/9 by sl hf	905 Sw(At) 310-0/11 he sl	1125 At 320-0/17 sl hg by ta	2472222/L SwBl(Pl) 525-0/14 he by sl GI11	19167475/L Pl 624-0/13 by GI11	27672154/L Pl 623-0/9 by hf GI11	39821161/L PlSw 413-0/7 by hf GI11	59432477/L SwPl 627-0/11 by GI11	
113 hg sl	256 he by sl es	512 es by hf sl	722 Sw 622-0/9 he by sl	908 Sw(Pl) 626-0/12 by sl hf	1126 SwBl 512-0/6 he sl by	2660064/L SwBl(Pl) 422-0/17 by GI11	19718132/L SwPlAt(Sb) 733-0/12 by sl hf GI11	27763907/L Pl(Sw) 622-0/8 GI11	40410111/L Sw(AtPl) 635-0/15 sl he by GI11	59438944/L Sw(Pl) 736-0/11 by sl hf GI11	
123 Sw(Sb) 421-0/12 he sl by	263 he sl es by	513 by es hf sl	734 Sw 624-0/12 he by sl	911 Sw 510-0/8 sl he by	1129 SwAt 310-0/10 hg sl	5418194/L Sw(AcPl) 736-0/13 hf sl by GI11	19763853/L SwPl 621-0/8 hf by GI11	28093810/L Pl 624-0/10 by hf GI11	41799490/L PlSw(AtBl) 723-0/12 by GI11	59948898/L Sw(BlPl) 526-0/12 by GI11	
124 SwSb 620-0/8 he sl by	264 SwBl 512-0/6 he by sl	517 by sl hf ta	735 Sw 520-0/12 he sl by	915 Sw 510-0/8 sl he by	1130 SwBl 514-0/6 sl he by	5531939/L SwBl(Pl) 525-0/12 sl he by GI11	20061848/L Pl(SwAt) 624-0/10 by hf GI11	28127439/L PlSw 634-0/15 by hf GI11	41999349/L Pl(At) 732-0/14 by hf GI11	60818904/L SwPl(Bl) 513-0/5 sl hf by GI11	
126 Sw(Sb) 421-0/12 he sl by	267 Sw(Bl) 625-0/8 by sl he	520 by hf sl es	743 Sw 624-0/9 he by	917 SwBl 412-0/7 by sl ta hf	1131 SwBl 514-0/6 sl he by	10011262/L SwBl(Pl) 721-0/7 sl he by GI11	20180747/L Sw(Pl) 734-0/11 by sl he GI11	28191507/L PlSw 622-0/13 by GI11	42077535/L AtPlSw 633-0/15 by GI11	60857945/L SwAt(Pl) 735-0/11 by he sl GI11	
127 SbSw 723-0/7 he sl	275 Sw 622-0/8 by he sl	526 Sw(Bl) 527-0/9 by	754 SwBl 525-0/11 by sl hf	918 Sw 510-0/8 sl he by	1135 SwBl 511-0/5 he sl by es	10447387/L Sw(Pl) 627-0/11 by GI11	20422577/L Sw(Pl) 625-0/11 by hf GI11	28443876/L Sw(Pl) 737-0/11 GI11	42487814/L Pl 625-0/11 by GI11	61038525/L SwPl(Bl) 512-0/5 he by ta sl GI11	
134 SwAt(Pl) 737-0/12 he	279 Sw 622-0/8 by he sl	531 Sw(Bl) 626-0/10 by hf	758 sl he by es	941 Sw(Bl) 526-0/9 by sl he	1136 SwAt 310-0/9 he sl by	10952178/L SwBl(Pl) 526-0/9 by hf GI11	21171428/L Pl 624-0/13 by sl hf GI11	28533087/L Pl 525-0/8 hf by GI11	42569073/L Pl 723-0/12 by GI11	61248339/L SwPl(Bl) 526-0/9 by hf GI11	
139 Sb(PlAt) 822-0/5 he sl by	280 Sw 621-0/7 he sl by	533 by sl hf ta	763 sl by hf	943 Sw(Pl) 417-0/9 by	1139 SwAt 622-0/12 hg sl by	11283020/L SwBl(Pl) 516-0/7 by hf GI11	21402071/L SwPl 622-0/10 by hf GI11	28833605/L SwPl 724-0/9 he sl by GI11	42718578/L Sw(SbPl) 735-0/11 he by sl GI11	88122189 SwBl 525-0/7 by sl hf	
173 Sw 614-0/6 hf by sl	294 SwBl 411-0/7 he by sl	539 he sl by	764 by hf sl es	953 SwBl(Pl) 627-0/7	1141 SwBl 514-0/6 sl hf by	12092917 SwBl 626-0/9 by he	21790645/L Sw(BlPl) 526-0/8 by hf GI11	28840088/L Pl(AtSw) 732-0/12 hf by GI11	42998726/L Sw(Pl) 736-0/12 by sl he GI11	88772401/L Sw(BlPl) 525-0/9 sl GI11	
175 Sw 610-0/5 by sl hf es	295 he by sl	542 SwBl 515-0/6 sl by hf	769 SwBl 626-0/9 by hf	○1 957 sl he by GN89	1142 SwBl 511-0/6 ta sl by he	12147338/L Pl 625-0/13 by GI11	21801940/L Sb(Pl) 623-0/8 sl hf by GI11	28853505/L PlSw 523-0/10 hf by GI11	44047802/L Pl 624-0/11 by GI11	88999504/L SwPl 736-0/10 hf by sl GI11	
176 sl he by es	297 SwBl 515-0/6 by sl hf	543 by hf es sl	771 sl he by es	958 Sw 626-0/10 by sl he	1144 SwBl 412-0/7 hf sl ta by	12171791/L SwBl(Pl) 725-0/7 by hf sl GI11	22258575/L At(SwPl) 732-0/15 by hf GI11	28859845/L Sw(Pl) 736-0/12 by hf GI11	45059451/L Pl(Sw) 623-0/11 by hf GI11	89289390/L Sw(Pl) 736-0/10 by sl hf GI11	
178 Sw 727-0/8 he	298 SwBl 513-0/6 ta by sl hf	544 SwBl 622-0/7 by hf sl	785 SwSb 511-0/3 sl by hf	961 ri sl	1149 AtSw 426-0/10 sl he	12532831/L Sw(Pl) 524-0/13 he sl es GI11	22393374/L SwPl 723-0/8 by GI11	29057426/L Pl 624-0/12 by GI11	45148584/L Sw(AtPl) 736-0/12 hf by sl GI11	89678038/L Sw(AtPl) 634-0/12 sl he by GI11	

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