Vegetation Map
103K016

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
- Silviculture 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 *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
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.

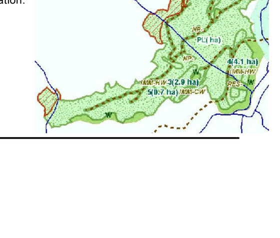
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

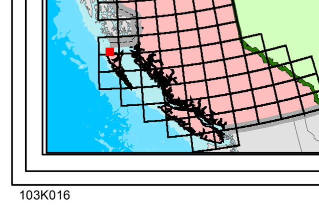
Example Opening History Details

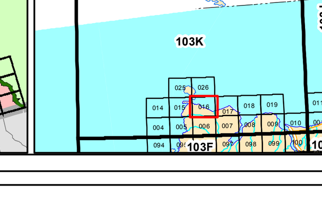
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

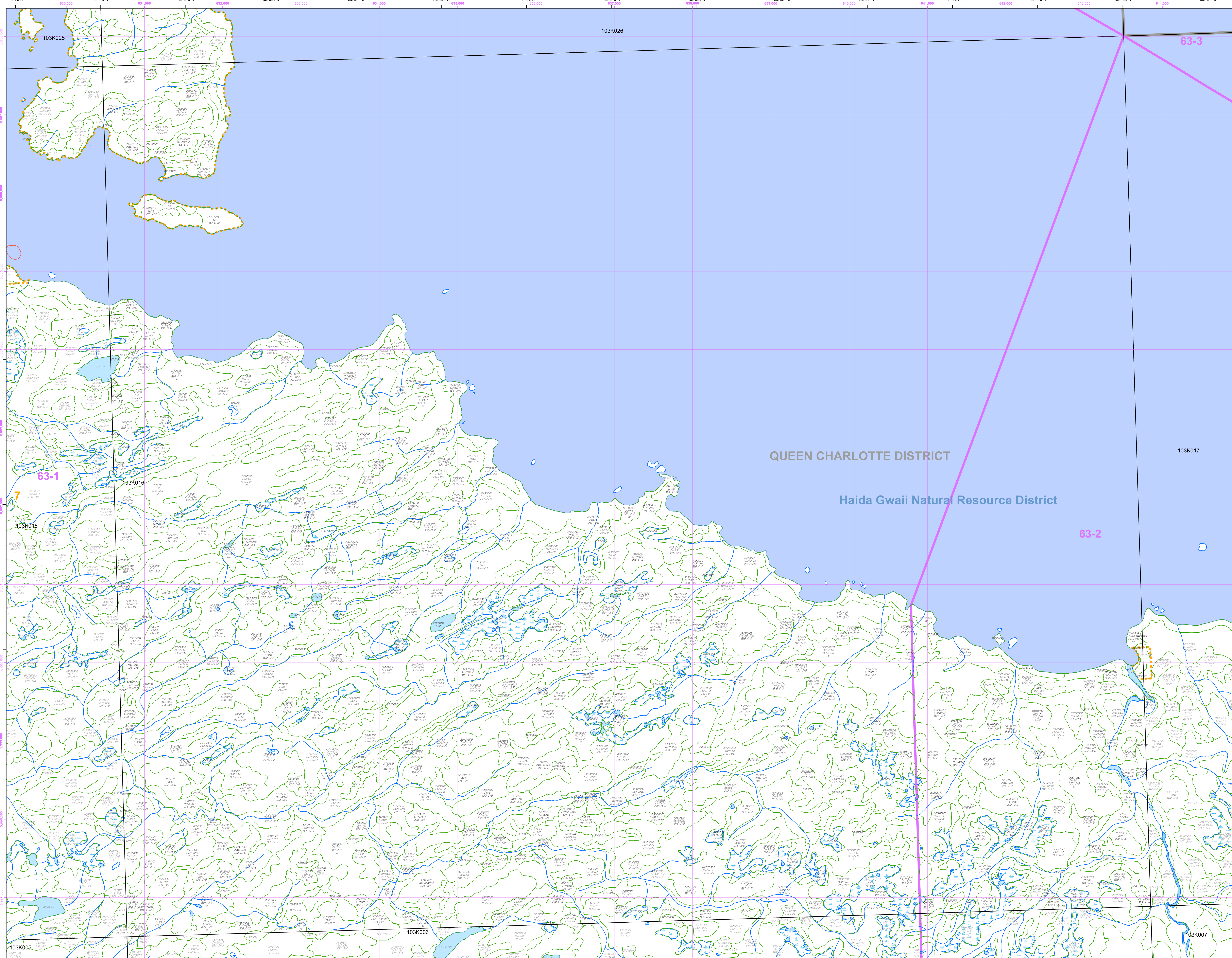
The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

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









Overflow Labels

1347856 CwHw(Yc) 826-O/7	12082038 HwSsCw 946-O/13	28818048 PlcCw(Yc) 610-O/2 by,sl,he	51948651 Cw(PlcYcHw) 810-O/2 by,he,la
2168747 HwCwPlc(Yc) 926-O/5 sl	12103531 Ss(HwCw) 748-O/17	29118060 CwHwYc 826-O/7	52999244 CwYc(Plc) 811-O/3 by,he
2368526 CwHw(Yc) 826-O/8	12877707 CwYcHw 936-O/9	31158037 PlcCw(Yc) 610-O/2 by,sl,he	53098251 PlcCw(Yc) 610-O/2 by,sl,he
2378135 CwHw 836-O/10	14968207 PlcCw(Yc) 610-O/2 by,sl,he	31318021 CwHwYc 826-O/7	54147890 PlcCw(Yc) 610-O by,sl,he
2418887 CwHw(Ss) 936-O/11 sl	15573898 HwCw(Ss) 946-O/11	32228263 PlcCw(Yc) 610-O/3 by,he,sl	55298691 Cw(PlcYcHw) 811-O/2 by,sl,he,la
3109617 CwHw(Ss) 927-O/9	15683993 HwCwSs 946-O/12	32297997 PlcCw(Yc) 610-O/2 by,sl,he	56438298 PlcCw(Yc) 610-O by,sl,he
3249809 Cw(Hw) 826-O/6 sl	15804228 CwHw 837-O/14	32379667 CwYc(Plc) 826-O/6	56487920 PlcCw(Yc) 610-O by,sl,he
3419937 Cw(Plc) 825-O/6	15950564 CwPlc(Yc) 810-O/4 by,he,sl	32609283 PlcCw(Yc) 610-O/2 he,by,sl	57307304 CwYcHwPlc 825-O/6 sl
3790380 CwHw(Yc) 826-O/9 sl	16020229 PlcCw(Yc) 610-O by,he,sl	32737506 PlcCwYc 610-O/2 by,sl,he	59558417 PlcCw(Yc) 610-O by,sl,he,la
3970597 Cw(YcHw) 826-O/9	16392044 by,he	33498944 PlcCw(Yc) 610-O/3 by,he,sl	62289461 SsHw(Cw) 856-O/17
4350465 PlcCw(Yc) 710-O/2 by,he,la	16459800 CwHw(Ss) 936-O/11	34787833 PlcCw(Yc) 611-O/2 by,sl,he	62837278 Plc(CwYc) 610-O by,sl,he
4350653 HwCw(YcSs) 936-O/9	16540935 PlcCw(Yc) 710-O by,he,sl	34797609 HwSsCw 936-O/11	64177241 Plc(CwYc) 610-O by,sl,he
5121582 CwHw(Ss) 836-O/12	16687953 PlcCw(Yc) 610-O/2 by,sl,he	36129565 CwHw(YcPlc) 826-O/7	64798532 PlcCw(Hw) 610-O/2 by,he,sl
5461966 HwCw(Ss) 946-O/10	18958322 PlcCw(Yc) 610-O/2 by,sl,he	36188181 PlcCw(Yc) 610-O by,sl,he	64997947 PlcCw(Yc) 611-O/2 by,sl,he
5591474 PlcCw 510-O he,sl	19529938 Cw(HwSsYc) 937-O/10	37147859 HwCw(Yc) 926-O/7	67688848 PlcCw(Yc) 610-O by,he
5601754 CwHw(Ss) 836-O/12	19769210 PlcCw(Yc) 610-O he,by,sl	39067507 PlcCw(Yc) 610-O by,he	68789204 be
5650186 PlcCw(Yc) 610-O by,he,la	19858717 PlcCw(Yc) 610-O/2 by,he,sl	39320236 CwYc(Plc) 811-O/4 by,sl,la	69789005 SsHw(Cw) 856-O/17
5872501 CwHw(Ss) 937-O/13	20040657 PlcCw(Yc) 710-O by,he,sl	39568537 CwYc(Hw) 826-O/7 sl	70837147 Plc(CwYc) 610-O by,sl,he
6262122 Cw(Hw) 826-O/9 sl	20131103 HwSsCw 936-O/10	41569090 Cw(PlcYcHw) 810-O/2 by,he,sl	72427135 HwCw 824-O/5 sl
6472277 PlcCw 510-O he,sl	20448953 SsHw(Cw) 845-O/12	41627434 HwSs(Cw) 936-O/9	72887439 SsHw(Cw) 845-O/12
6532555 SsHw 956-O/14	20651546 Cw 824-O/6 sl	41767483 HwCw(Ss) 936-O/9	74447262 Plc(CwYc) 610-O by,he,sl
6601292 PlcCw 510-O he,sl	20880198 HwCwSs 946-O/12	43089206 CwYc(Hw) 824-O/7 sl,he	74788857 HwSs(Cw) 835-O/10 sl,be
7081576 Cw(Yc) 810-O/3 by,he,sl	20980016 PlcCw(Yc) 610-O/2 by,he,sl,la	43597880 PlcCw(Yc) 610-O by,he	74798605 PlcCw 610-O by,he,sl
7161492 Cw(Yc) 810-O/3 by,he,sl	21048930 CwHw(Ss) 925-O/7 sl	44220335 CwYc(Plc) 811-O/4 by,la	74877433 HwCw(Yc) 826-O/7
7483903 HwCw(Ss) 837-O/12	21751900 SsHwCw 956-O/15	44268489 CwPlc(YcHw) 810-O/2 by,he	76647293 HwCw(Yc) 835-O/10 sl
7620318 Yc(Cw) 927-O/6	22787767 PlcCw(Yc) 610-O/2 by,sl,he	46280688 Hw 820-O/6 be	77498299 Cw(Hw) 821-O/7 by,sl,he
7768805 PlcCw(Yc) 811-O/3 by,he,sl	23390386 PlcCw(Yc) 610-O by,he,la,sl	46338713 CwYc(Plc) 821-O/6 by,he,sl	78428240 CwHw 824-O/7 sl
7803732 SsCwHw(Cw) 847-O/14	23479315 PlcCw(Yc) 610-O/2 he,by,sl	46979364 Cw(PlcYcHw) 810-O/2 by,he,la	79089766 CwHw(SsYc) 836-O/12
8940272 PlcCw(Yc) 610-O la,he,by,sl	23709018 PlcCw(Yc) 610-O/2 he,by,sl	47777414 Plc(CwYc) 611-O by,sl,he	79238926 SsHw(Cw) 847-O/12
9049048 PlcCw(Yc) 610-O/2 by,sl,he	25520782 PlcCw(Yc) 710-O by,he,sl	47909976 PlcYc(Cw) 610-O by,sl,he	79419098 CwHw(SsYc) 836-O/12
9679091 PlcCw(Yc) 610-O by,he,sl	27131496 PlcCw(Yc) 810-O/3 by	48238484 Cw(PlcYcHw) 810-O/2 by,he	
10074025 CwHw(Ss) 836-O/13	27238064 CwYcHw 925-O/9	48389749 PlcCw(Yc) 610-O by,sl,he	
10340965 Cw(Yc) 810-O/3 by,he,sl	27479127 PlcCw(Yc) 610-O/2 he,by,sl	50668728 HwCw(Yc) 936-O/8	
12003483 Ss 621-O/9 hg,sl	27591689 by	50768847 Cw(PlcYcHw) 810-O/2 by,he,la	