Vegetation Map
092M061

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, 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

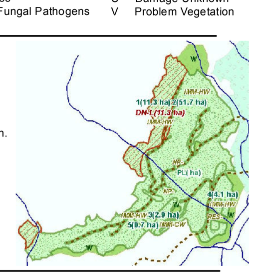
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

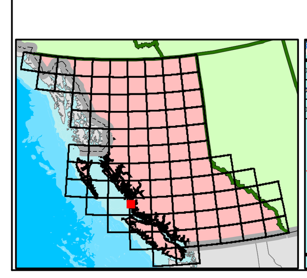
A Animal Damage, B Wildfire, C Cone and Seed Insects, D Diseases, I Insects
L Logging, M Mite Damage, N Non-Biological Injuries, P Cone and Seedling Fungal Pathogens
R Site Rehabilitation, T Treatment Injuries, U Damage Unknown, V Problem Vegetation

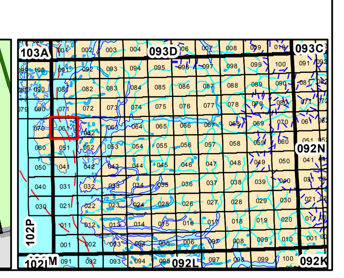
Example Opening History Details

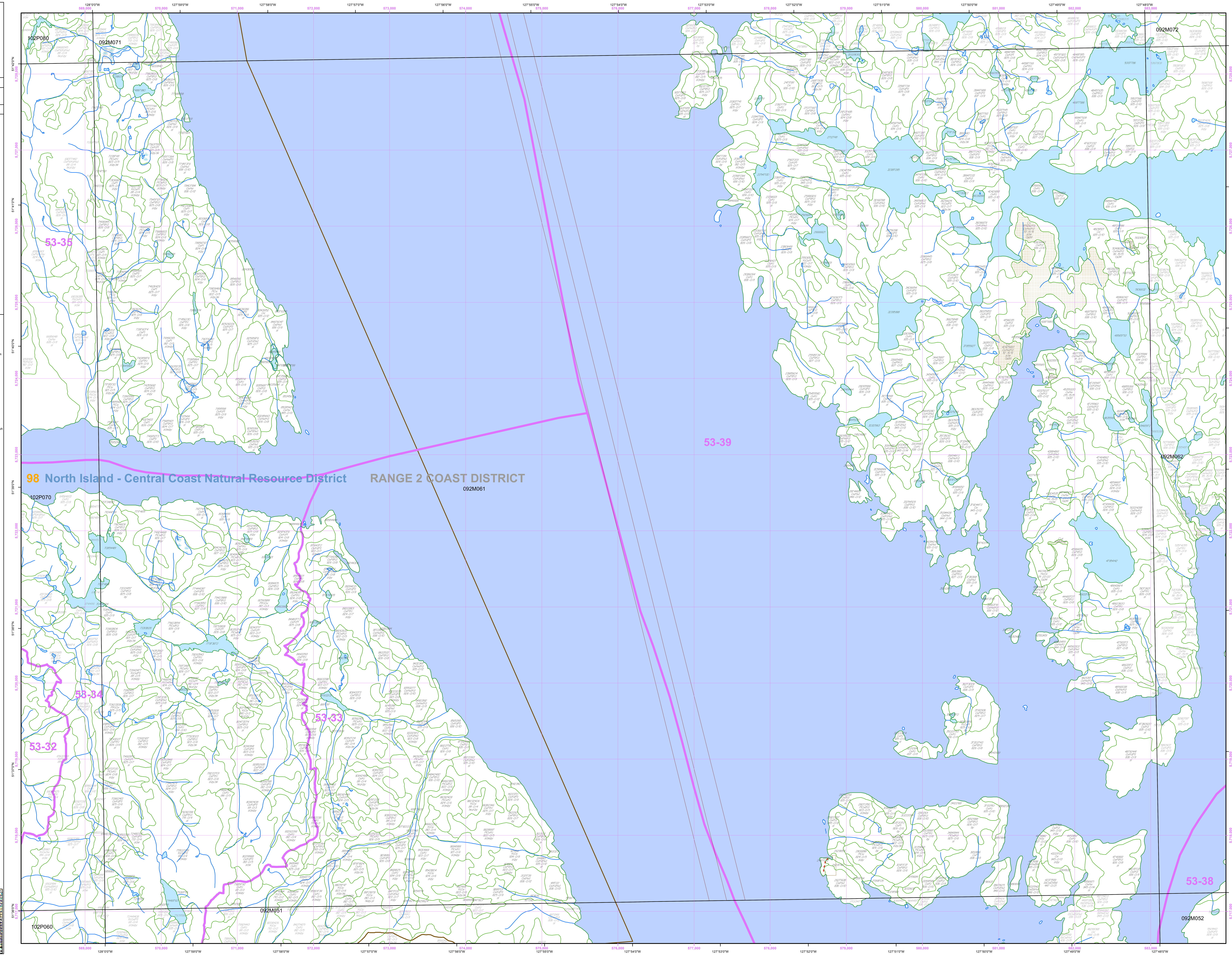
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

1671592 CwHw(Yc) 836-O/12 sl	38692082 Cw(Yc) 936-O/11	71427965 CwPlYc 825-O/7 sl by	93541714 YcCw 922-O/6 sl by he
1901636 Cw(HwYc) 945-O/13 sl	39861643 Cw 936-O/11	71595269 CwHw 945-O/16	93872426 Cw(Yc) 943-O/15 sl be
2542340 Cw 836-O/11 sl	39953526 Cw 933-O/10 br by	71856553 CwPl(Yc) 925-O/8 sl by	94291624 CwHwYc 936-O/10
3812023 CwYc 936-O/12	40393480 Cw(Yc) 936-O/11	72131763 YcHwCw 825-O/6 sl	94912741 CwSsHw 952-O/15 sl be by
4001583 CwHw 944-O/12 sl by	41785669 Cw 944-O/14 sl	73937175 HmYcBa 826-O/3 sl	96481614 CwYc 924-O/8 sl by
5151675 CwYc 946-O/13	42274717 CwHw(Yc) 944-O/14 sl	75361755 CwHwYc 826-O/8 sl	98471607 CwYc 922-O/7 sl he by
18827997 CwPl(Yc) 826-O/10 sl	42553451 CwYc 936-O/11 sl	75368193 CwPl(Yc) 713-O/6 sl he by	
18868055 CwYc(Pl) 825-O/8 by	43155585 Cw 945-O/14 sl	76008140 CwPl(YcHw) 826-O/8 sl	
19598080 CwHw(Yc) 934-O/12	43641632 CwHw(Yc) 945-O/14 sl	77174651 CwYc 934-O/11 sl by	
19807805 CwYc(Hw) 935-O/10 sl	43765574 Cw(Hw) 936-O/11	77588058 Cw(Hw) 945-O/13	
19946938 CwHw 944-O/14 be	○4 43854097 HwCw 210-22/22 sl be GL94	77937664 Cw(Hw) 945-O/13	
24871762 HwCw 831-O/10 sl ur	43875916 Cw 945-O/13 sl	78227761 CwHw 945-O/16	
25848050 CwHw 934-O/12 sl by	○2 43955449 HwCw(YcBa) 213-19/19 sl be GL93	79521669 CwHw(Yc) 926-O/7 sl	
26231740 CwHw 944-O/14 sl by	44305570 CwHw 215-15/15 GL93	80596912 Cw 836-O/13	
26291953 CwPl(Yc) 836-O/10	45713803 CwHw(Yc) 835-O/13 sl	82436580 Cw(Hw) 836-O/12	
27351704 Cw(Hw) 945-O/13 sl	45845789 Cw(Yc) 945-O/12 sl	83023371 CwYc(Pl) 922-O/5 sl by he	
27717055 CwYc(Hw) 934-O/11 sl by	46885515 CwHw 215-15/15 GL93	83376358 Cw 945-O/14 sl	
27891705 CwPl 826-O/7	48708006 CwYc(Pl) 835-O/10	83485855 CwYc 935-O/10 sl	
28948511 Cw(Hw) 934-O/11 br	49997988 CwYc(Pl) 835-O/10	84005880 hg	
29504982 CwYc(Pl) 826-O/8	50276222 CwHw(Yc) 112-15/15 GL94	84035664 Cw(Hw) 934-O/12 sl by	
30222094 CwYc 935-O/10 by	50416451 CwPl(Yc) 925-O/7 sl	84765811 Cw(Yc) 943-O/14 sl he by	
30291568 Cw 935-O/12 sl	50635422 CwYc(Pl) 934-O/10 sl by	84844605 Cw(Yc) 945-O/12 sl	
32151684 CwYc(Hw) 935-O/11 sl	○3 50696459 CwHw(Yc) 113-17/17 sl be GL94	85325799 Cw 820-O/8 br by	
32331632 CwPl(Yc) 827-O/6	50903172 CwHw(Yc) 835-O/13 sl	85345631 CwYc 945-O/13 sl	
32405729 Cw(Hw) 945-O/14 sl	51326507 CwHw(Yc) 112-15/15 GL94	87272826 CwYc 925-O/7 sl by	
34122168 Cw 935-O/12 sl	51425357 PlCw(Yc) 823-O/6 sl by he	88173117 CwYc(Pl) 812-O/5 sl he by	
34277211 Cw(Yc) 924-O/8 sl	51595693 CwYc(Pl) 826-O/8	88584484 CwYc 935-O/10 sl	
35263877 Cw(Hw) 933-O/11 br sl	69511869 CwYc(Hw) 935-O/9 sl	89244306 Cw(Yc) 936-O/10	
37961637 CwHw(Yc) 945-O/14 sl	69682308 CwYc(Pl) 822-O/6 sl by he	90832068 CwYc 934-O/10 sl	
38174224 Cw 944-O/12 sl	70734830 CwYc 935-O/9 sl	92263694 Cw(Yc) 946-O/13 sl	
38473765 CwHw 945-O/15 sl	71044738 Cw(Yc) 935-O/11 sl	92792223 CwYc(PlHw) 825-O/8 sl by	
38542669 Cw(Yc) 835-O/11 sl	71167296 PlCw(Yc) 824-O/8 sl he by	92871629 CwHwYc 936-O/11	
38571881 Cw(Yc) 935-O/11 by	71247501 CwPlYc 825-O/9 sl	92991949 CwYc(Hw) 945-O/13 sl	