# Vegetation Map
## 103G021

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    blbnk - 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 available 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 *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) |
|---|---|
| 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 are not 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 | gp GRAVEL PIT | mu MUDFLAT SEDIMENT | rm RESERVOIR MARGIN |
| be BEACH | la LAKE | mz RUBBLY MINE SPOILS | rn RAILWAY SURFACE |
| bl BLOCKFIELD | lb LAVABED | oc OCEAN | rs RIVER SEDIMENTS |
| br BEDROCK | ll LANDING | ot OTHER | rz ROAD SURFACE |
| bu BURNED AREA | ls POND or LAKE SEDIMENTS | pn SNOW COVER | ta TALUS |
| cb CUTBANK | mi OPEN PIT MINE | re RESERVOIR | tz TAILINGS |
| es EXPOSED SOILS | mn MORAINE | ri RIVER / STREAM | ur URBAN |
| gl GLACIER | | | |

Note: Water categories (la, oc, re, ri) not labelled over 90 percent coverage.

**NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)**

| | | |
|---|---|---|
| A ALPINE | NP NON PRODUCTIVE | SAND SAND |
| AF ALPINE FOREST /Species | NPBR NON PRODUCTIVE BRUSH | TIDE TIDAL FLAT |
| C CULTIVATED | NPBU NON PRODUCTIVE BURN | U URBAN |
| CL CLAY BANK | NPF NON PRODUCTIVE FOREST /Species | |
| G GRAVEL BAR | NTA NO TYPING AVAILABLE | NC NON COMMERCIAL |
| GR GRAVEL PIT | OR OPEN RANGE | NCBR NON COMERCIAL BRUSH |
| ICE ICEFIELD | P HAYFIELD | NP NON PRODUCTIVE |
| M MEADOW | R ROCK | NSR NOT SUFFICIENTLY RESTOCKED |
| MUD MUD FLAT | S SWAMP | NTA NO TYPING AVAILABLE |

**Line 6 - Disturbance History**

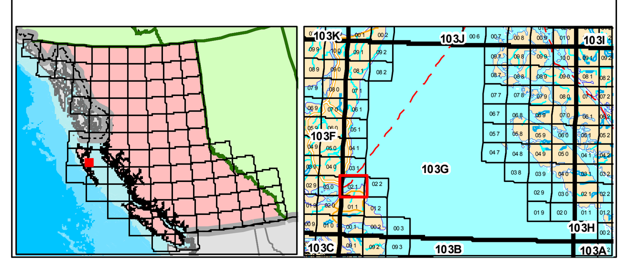
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

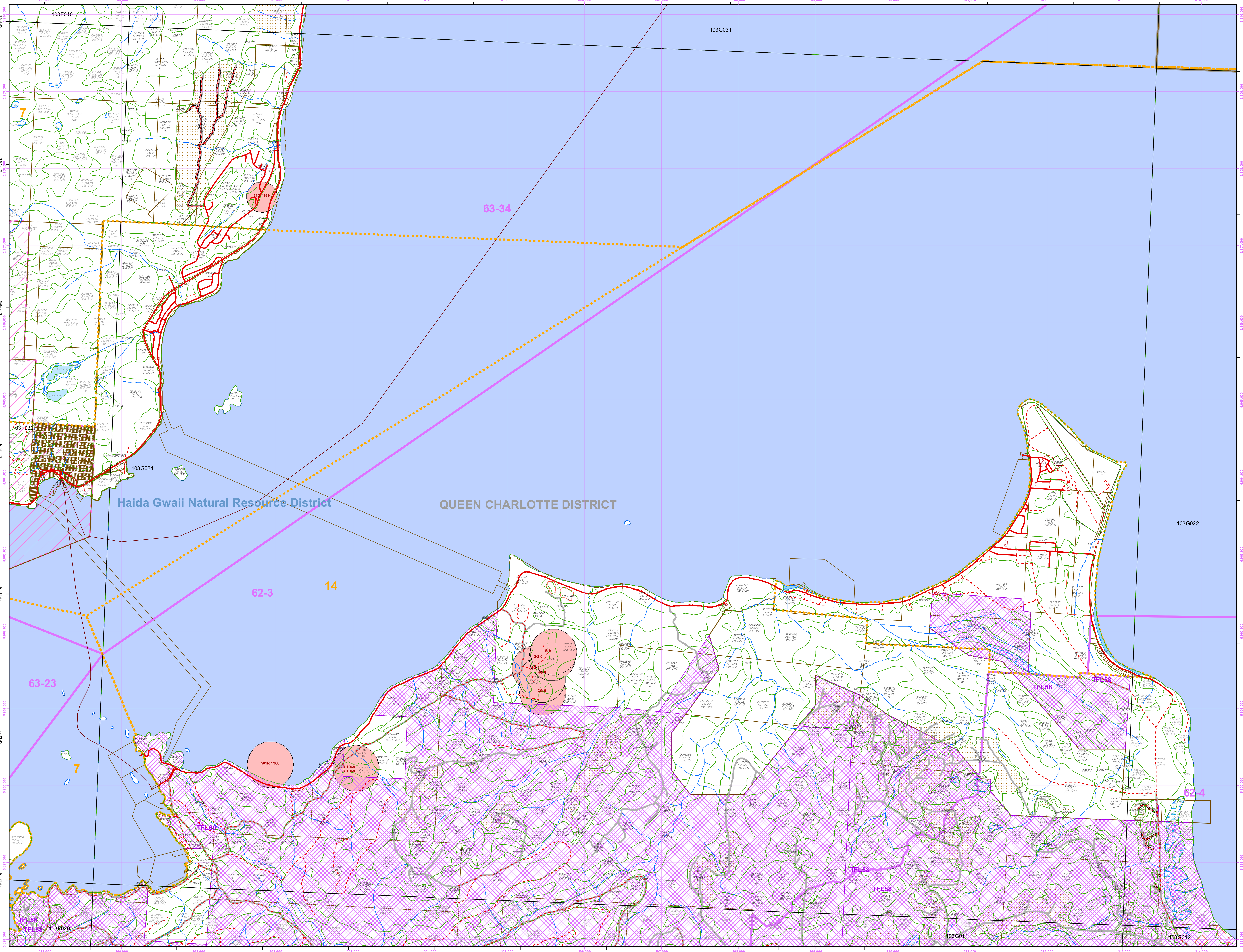
| | | |
|---|---|---|
| A Animal Damage | L Logging | R Site Rehabilitation |
| B Wildfire | M Mite Damage | T Treatment Injuries |
| C Cone and Seed Insects | N Non-Biological Injuries | U Damage Unknown |
| D Diseases | P Cone and Seedling Fungal Pathogens | V Problem Vegetation |
| I Insects | | |

**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

| | | | |
|---|---|---|---|
| 165979 CwHw 935-0/11 | 12195795 HwSs(Dr) 330-0/24 he sl | 51231718 he ur | ○ 28 91456413 CwHw 938-0/11 |
| 294926 CwHw 935-0/11 | 12336005 he sl by | 52366056 DrHw 337-0/23 GL73 | ○ 29 91806406 CwHw 938-0/11 |
| ○22 765588/L Hw(CwYc) 832-0/9 he es GL03 | 36216579 Dr 220-25/25 ur he | ○ 17 56435716 HwSs 113-20/20 GL97 | ○27 91975825 CwHw 111-16/16 he by es GL06 |
| 1225952 CwHw 935-0/11 | 36679054 HwCw(Ss) 335-0/24 | 56826579 CwDr(Hw) 214-0/14 he by | ○ 30 93406173 HwCwPl(cHmYc) 112-24/24 GL09 |
| 1327190 SsDrHw(Cw) 346-0/30 | 36708667 SsHw 656-0/23 | 58346747 Hw(DrSs) 236-0/31 | ○21 93614940 CwHw 211-16/16 sl he by GL95 |
| 2065565 Cw 611-0/5 he by | 37065409 HwDrSs(Cw) 446-0/30 | 60775428 CwHw(Ss) 834-0/9 sl he by | 94574919 CwHw 935-0/12 sl |
| 2165933 CwHw 935-0/11 | 37259780 HwSsCw 745-0/18 | 60885510 CwHwSs 825-0/9 by | 94976325 CwHw 836-0/10 |
| 2307039 sl he by | 37449574 HwSsDrCw 334-0/24 he | 61086884 Dr(Hw) 337-0/25 | ○ 31 96506124 CwHw 938-0/11 |
| 3046572 HwCwSs(Dr) 336-0/24 | 38211104 HwSsCw 936-0/10 | 61756605 CwHw(Ss) 834-0/10 sl he by | 97277310 SsHwDr 944-0/9 |
| 3556032 CwHw(Ss) 326-0/16 | 38321259 CwHwYc 934-0/12 by | ○13 62138222 HwSs 112-20/20 he by es GL97 | ○ 22 97615564 CwHw(Ss) 935-0/11 |
| 4395755 HwCwPl(c) 217-12/12 GL02 | 38826352 Dr(HwSs) 334-0/20 he | 64177186 HwDrCwSs 336-0/28 | ○ 26 98006196 CwHw 947-0/15 |
| 4396821 he sl by | 38831289 CwHwPl(cYc) 824-0/18 by | 65365538 CwHw 835-0/9 | 98464908 CwHw 935-0/12 |
| 4855728 HwCwPl(cDr) 437-23/18 GL02 | 39211737 CwYc(HwSs) 936-0/11 | 65855567/L CwHw 832-0/9 | 98906370 Cw(Hw) 935-0/11 by |
| 5275735 HwCwPl(c) 217-12/12 GL02 | 39445812 Dr 320-0/17 ur | 67035218 Cw(SsHw) 954-0/19 by | 99095943 Cw 611-0/5 he by |
| 5336821 Ss(CwHwDr) 945-0/11 by | 40389946 HwSsDr(Cw) 346-0/30 | 69006987 HwSs 224-27/27 sl he by | 99557009 CwHwDr(SsYc) 932-0/11 he by sl |
| ○21 5755730/L CwHw 931-0/10 he by es GL02 | 40580101 Dr 224-25/25 hg | 69007498 Dr 336-0/23 | |
| 6166082 CwHwSsPl(c) 935-0/11 | 40855594 Dr 226-0/17 | 69097333 CwHw 934-0/12 sl he by | |
| 6575462 Cw(Hw) 935-12/11 | 40935394 HwSs(Dr) 945-0/11 | 70006349 Hw 227-22/22 | |
| 6725676 HwCwPl(c) 217-12/12 GL02 | 41995645 Hw(SsDrCw) 337-0/32 | 71685267 Dr(Ss) 337-0/24 | |
| 6945453 HwCwSs 935-0/9 by | 42160006 DrHw(Cw) 345-0/28 | 71776391 CwHwYcDr) 945-0/14 by | |
| ○20 7304887 HwCw 932-0/9 by es sl he GL02 | ○9 42190577 Hw(Cw) 211-21/21 sl he by GL92 | 73436038 he sl by es | |
| 8858366 ap | 42291868 CwHw 834-0/9 by | 74736131 CwHwYc) 934-0/11 by | |
| 9686231 CwHwYcPl(c) 825-0/9 | 42521921 CwHw 824-0/9 sl | 75165199 HwSs 236-0/33 | |
| 9925441 HwCwPl(c) 217-12/12 GL02 | ○ 25 42571306 HwCw(Ss) 114-23/23 GL04 | 75686378 Cw(Hw) 934-0/10 by | |
| 10414991 CwHwPl(cYc) 923-0/6 sl he by | 43270498 HwCwSs 944-0/12 sl he by | 75836286 Cw(Hw) 934-0/10 by | |
| 10564815 CwHwPl(c) 436-0/19 | ○ 25 43182566 HwCw(Ss) 114-23/23 GL04 | 77505057 Hw(Cw) 226-23/23 | |
| 10565947 CwPl(cYcHw) 335-0/18 | 44595676 SsHw 346-0/34 | 80347352 ur hg | |
| 10685035 CwHwPl(cSs) 933-0/10 sl he | 45150732 HwSsDr(Cw) 226-27/27 | 83686816 Hw(Ss) 226-35/35 | |
| 11245320 HwCw(Ss) 436-0/19 | 45915751 Dr(Hw) 227-19/19 | 86705471 Hw(PlcCw) 114-24/24 GL99 | |
| ○ 23 11355067/L Hw 525-0/10 GL03 | 46121225 HwCwSsDr) 326-0/20 | 87035502 HwSs(Cw) 114-23/23 GL99 | |
| ○ 23 11455001/L Hw 525-0/10 GL03 | 46580281 SsHwDr(Cw) 946-0/9 | 87055118 Hw(PlcCw) 114-24/24 GL99 | |
| 11655872 HwSs(Cw) 336-0/22 | 47681767 CwHwSs 336-0/23 | 87165107 HwSs(Cw) 114-23/23 GL99 | |
| 11715341 HwSs 447-0/27 | 47875640 HwSs(CwDr) 935-0/10 | 91244976 HwCw(Ss) 836-0/10 | |