# Vegetation Map
## 103H076

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 avaliable 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) | 4b HEIGHT CLASS CODE | LIMITS (metres) | 4c CROWN CLOSURE CLASS CODE | LIMITS (percentage) |
|---|---|---|---|---|---|
| | | | | 0 | 0 - 5 |
| 1 | 1-20 | 1 | 0.1 - 10.4 | 1 | 6 - 15 |
| 2 | 21-40 | 2 | 10.5 - 19.4 | 2 | 16 - 25 |
| 3 | 41-60 | 3 | 19.5 - 28.4 | 3 | 26 - 35 |
| 4 | 61-80 | 4 | 28.5 - 37.4 | 4 | 36 - 45 |
| 5 | 81-100 | 5 | 37.5 - 46.4 | 5 | 46 - 55 |
| 6 | 101-120 | 6 | 46.5 - 55.4 | 6 | 56 - 65 |
| 7 | 121-140 | 7 | 55.5 - 64.4 | 7 | 66 - 75 |
| 8 | 141-250 | 8 | 65.5 + | 8 | 76 - 85 |
| 9 | 251 + | | | 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, be BEACH, bl BLOCKFIELD, br BEDROCK, bu BURNED AREA, cb CUTBANK, es EXPOSED SOILS, gl GLACIER, gp GRAVEL PIT, la LAKE, lb LAVABED, 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 COMMERCIAL BRUSH
NP NON PRODUCTIVE
NSR NOT SUFFICIENTLY RESTOCKED
NTA NO TYPING AVAILABLE

**Line 6 - Disturbance History**

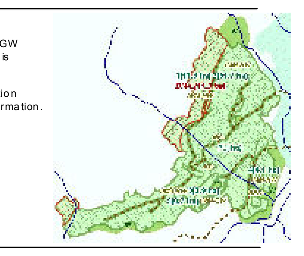
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

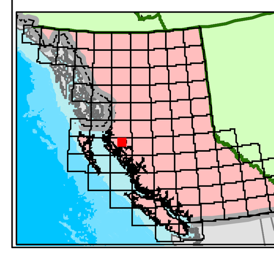
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

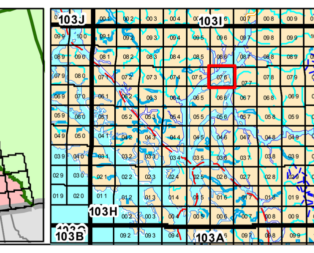
**Example Opening History Details**

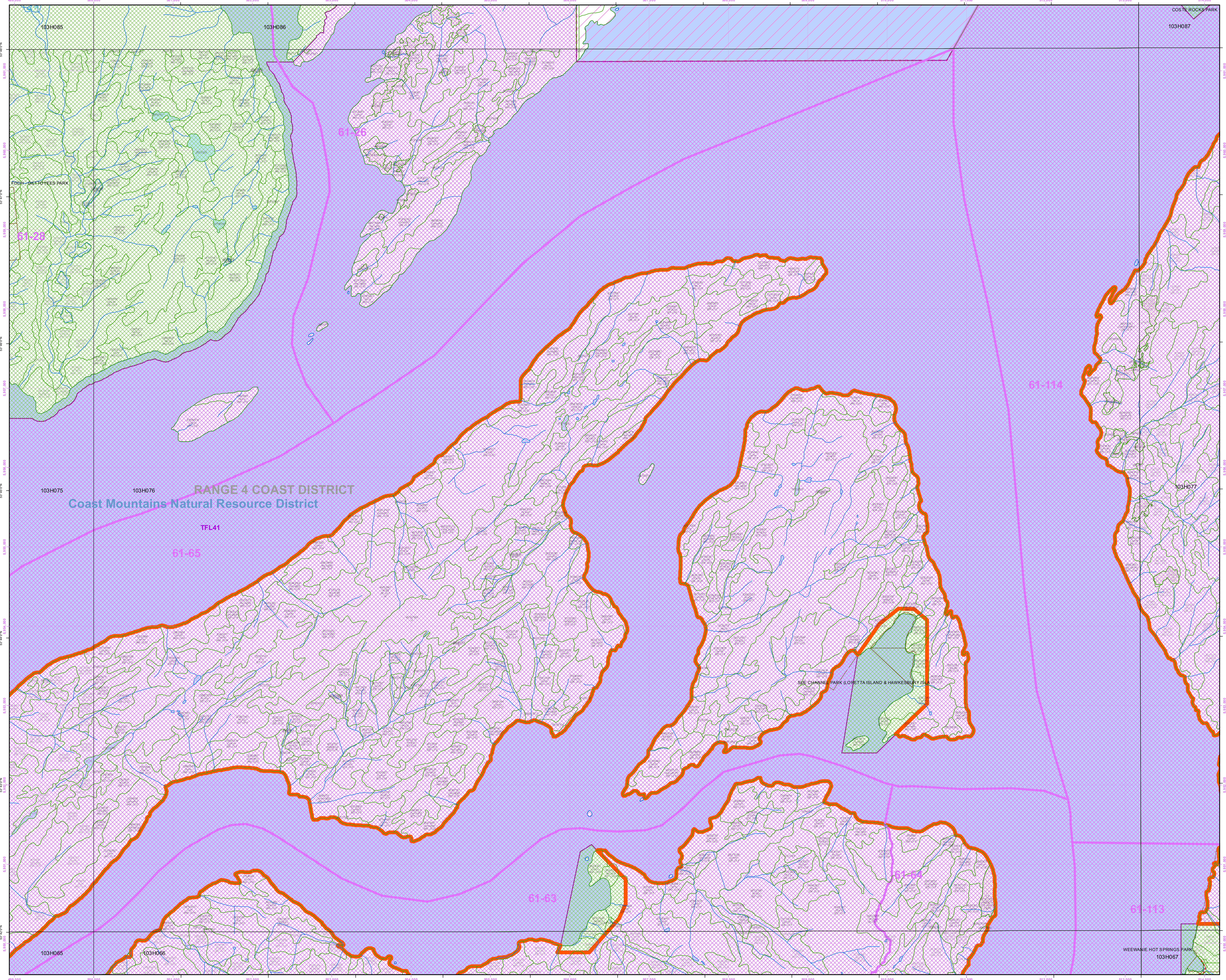
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

24654 CwHw 946-O/14
21929127 YcH(Cw) 936-O/11
22482715 HCw(BaYc) 946-O/14
23456295 HBa(Cw) 946-O/13
23666268 NPBR
24667271 HCwYc 936-O/9
25890732 CwH 946-O/13
26947265 HCwYc 936-O/9
28720736 CwYcH) 935-O/9
29337251 HCw(Yc) 936-O/8
29460718 YcH(Cw) 922-O/7
33055676 NPBR
34722532 HYc(Cw) 934-O/9
35392081 HwCw 946-O/11
35505988 CwHw 935-O/10
35827100 NPBR
35932150 R
36121951 CwYcH) 921-O/5
37762212 YcH 911-O/4
38627176 HwCw(Ba) 945-O/12
38742412 YcH 921-O/6
39527222 HCwYcBa) 935-O/10
39737190 CwHw 934-O/12
39771525 CwHPl(Yc) 923-O/7
39825171 HwCw 946-O/11
40622455 NPBR
○ 3 42975579 HwBa 11-24/24 GL08
44352476 HBaCw 946-O/12
○ 3 44476409 HwBa 11-24/24 GL08
○ 3 44505964 HwBa 11-24/24 GL08
○ 3 44746496 HwBa 11-24/24 GL08
44762454 NCBR
45193786 DrHwBaCw) 327-O/14
○ 3 45226337 HwBa 11-24/24 GL08
45492654 HYcCw 313-O/9
○ 9 45526929 BaHw(Cw) 11-24/24 GL08
45576389 HwCwBa) 945-O/11
○ 9 45667171 BaHw(Cw) 11-24/24 GL08
45962574 HCw(BaYc) 945-O/10
○ 3 45966307 HwBa 11-24/24 GL08
○ 3 46066359 HwBa 11-24/24 GL08
○ 9 46187195 BaHw(Cw) 11-24/24 GL08
46217187 CwHw(Ba) 946-O/15
46286116 CwHw(Yc) 934-O/11
46326903 CwHw 946-O/13
46512583 HCwYc 313-O/9
46577135 HwCwBa 956-O/16
○ 3 46756095 HwBa 11-24/24 GL08
47506547 HCw 945-O/13
48940773 R
49006330 CwH(Yc) 924-O/8
○ 1 49687021 BaHw(Cw) 11-23/23 GL08
○ 2 52146558 HwBa(Cw) 12-25/25 GL08
52310290 HCw 945-O/11
53076664 HwBa(Cw) 946-O/11
53573406 NPBR
53892257/L HwBa(CwSs(Dr) 547-O/23
54316854 HwCwPl(Yc) 622-O/10
54422856 CwH(Yc) 945-O/16
55052174 CwYcH 935-O/9
55837144 CwH 836-O/12
56477152 HwBaCw 856-O/20
57452218 CwHPl 932-O/9
57897130 HwCw(Ba) 836-O/10
58054776 YcHCw 923-O/6
59150638 HwCw 946-O/14
59570633 HwCw 955-O/16
59807115 HwCw(Ss) 936-O/9
63253972 CwHw 946-O/12
66932494 CwHw 932-O/9
67132145 YcHCw(Pl) 923-O/7
68571959/L HwCw 326-O/18
68873052 YcH(Pl) 922-O/7
68932053 YcPlH 922-O/6
70060562 HCwYc 922-O/6
73221101 CwH(Yc) 936-O/9
73941407 CwHw(Ba) 946-O/15
75493676 R
83280517 CwHBa 946-O/14
85061891/L HCw(Ba) 536-O/18
86860554 CwYcH 625-O/12
86890489 CwHwSs(Ba) 635-O/15
97691488 CwHw 946-O/14
○ 4 97844359 HwBaCw 12-28/28 GL08
98034007 CwHw 946-O/14
98204326 CwHw 946-O/16
98264803 HwCw 946-O/12
○ 5 98764066 HwBa 11-28/28 GL08
○ 7 99034572 HwSsCw(Ba) 11-25/25 GL08
99614124 CwHw 946-O/14
99713871 CwHw 946-O/14
○ 7 99794649 HwBaCw(Ss) 11-28/28 GL08
○ 6 99874034 BaHw 11-28/28 GL08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