# Vegetation Map

## 103G051

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:**

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

○12
123/L
Fd(Hw)
211-20
he sl
GL78

**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 *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
be BEACH
bi 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
rn RAILWAY SURFACE
rs RIVER SEDIMENTS
rz ROAD SURFACE
ta TALUS
tc 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**

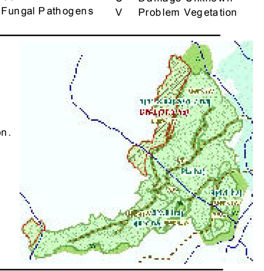
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

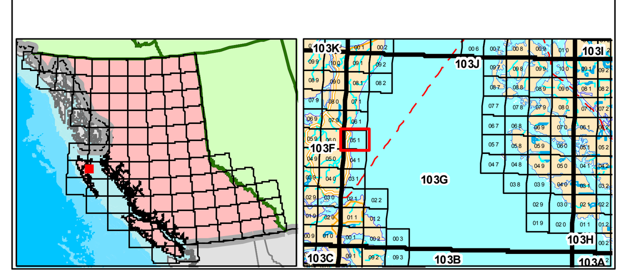
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

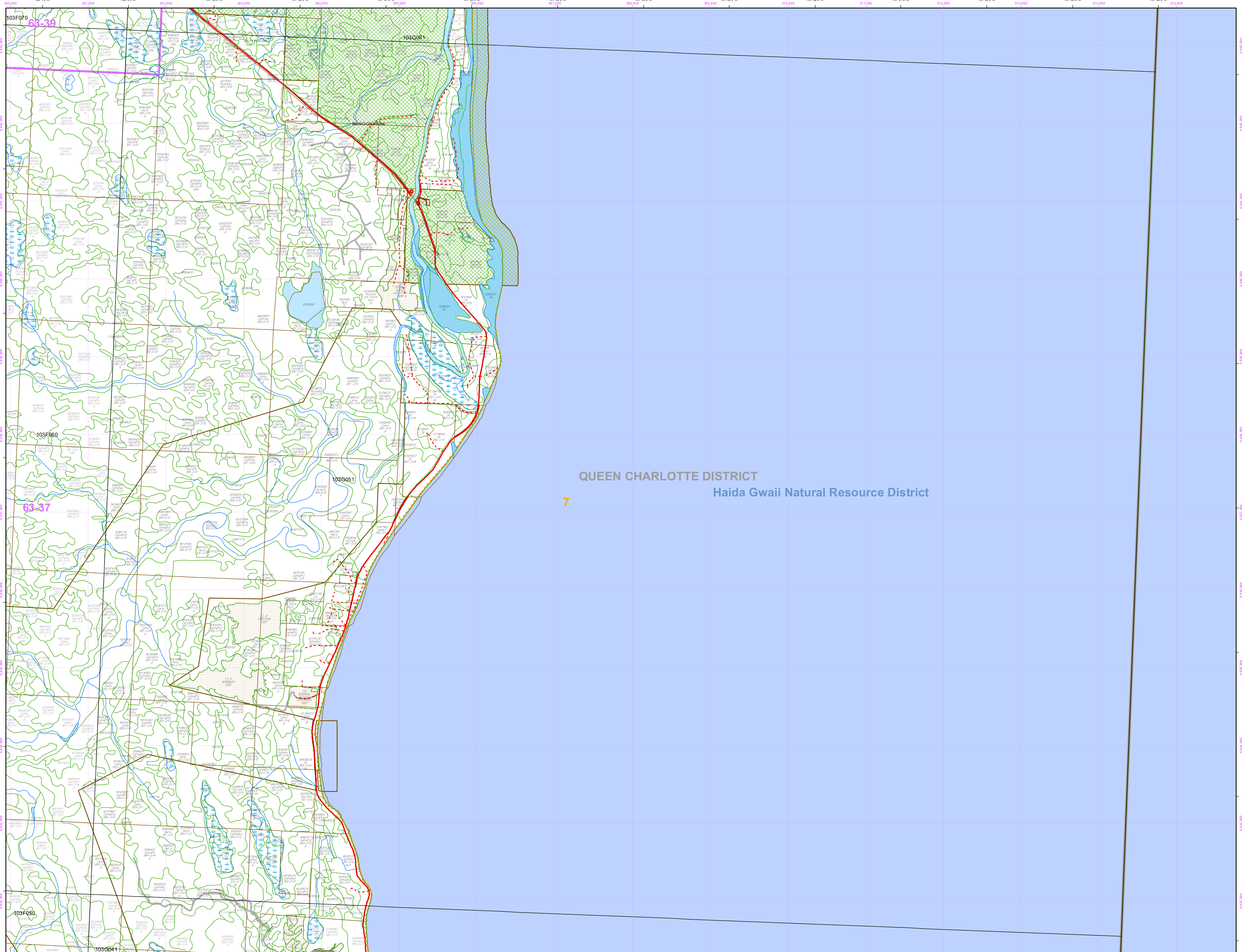
**Example Opening History Details**

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

| | | | | |
|---|---|---|---|---|
| 50805941 CwHw(Plc) 834-0/13 sl | 60245479 CwHw(Plc) 713-0/5 sl be | 65601469 PlcCw(Hw) 835-0/12 sl | 69326919 Ss 644-0/19 he | 79991325 Ss 430-0/19 he sl |
| 51576266 CwHw(Plc) 836-0/13 | 60377605 CwHw(Plc) 626-0/11 | 65640348 CwHw(Plc) 724-0/10 sl be | 69427525 CwHw 224-24/24 sl be G | 80369303 Ss 740-0/15 hg |
| 51957225 CwPl(cHw) 836-0/12 | 60706405 CwPl(cHw) 835-0/14 | 65980739 CwHw(Ss) 846-0/15 | 69451432 PlcCw(Hw) 836-0/15 | 80458877 Ss 230-0/28 hg ur |
| 52811821 CwHw(Ss) 845-0/14 | 60747173 CwHw(Plc) 834-0/14 sl | 66091473 HwCw 411-0/4 he sl by | 69709880 HwCw 824-0/7 he sl | 81739928 Ss(Hw) 536-0/13 |
| 52895561 CwHw 836-0/12 | 60780019 HwCw 823-0/6 sl be | 66141311 hg sl | 69767281 Ss(Hw) 230-0/32 hg sl | |
| 53428531 CwPl(cHw) 624-0/8 sl be | 61369193 CwHw(Plc) 836-0/13 | 66227070 Cw(Hw) 222-26/26 he sl G | 70610899 HwCw(Plc) 735-0/12 sl be | |
| 53568621 CwPl(cHw) 836-0/12 | 61419929 HwCw 836-0/10 | 66316796 CwHw 225-25/25 G | 70650152 HwCw(Plc) 835-0/12 sl | |
| 53869354 CwHw(Plc) 836-0/13 | 61569743 HwCw(Plc) 824-0/6 he | 66467782 CwHw 837-0/11 | 70690968 CwHw(Plc) 837-0/13 | |
| 53929196 HwCw 626-0/10 | 61740349 CwPl(cHw) 836-0/12 | 66599634 HwCw(Plc) 625-0/9 | 70851005 HwCwPlc 835-0/12 sl | |
| 54039241 CwHwPlc 836-0/13 | 61910203 CwHw 834-0/12 sl | 66675570 CwHw(Plc) 835-0/12 | 70869258 Hw(Cw) 626-0/9 | |
| 54548607 CwHwPlc 835-0/12 | 61918325 PlcCwHw 836-0/12 | 66785036 CwHw(Dr) 110-25/25 he sl G | 71661436 CwHw(Plc) 835-0/13 | |
| 54560171 CwHw 836-0/13 | 62811304 HwCw(Dr) 622-0/6 he sl | 67149863 HwCw(Plc) 827-0/9 | 72169412 CwHw 836-0/12 | |
| 54640361 CwPl(cHw) 823-0/7 he sl | 62865401 CwHw(Plc) 711-0/5 he sl | 67181299 HwCw 736-0/12 | 73360752 Dr(Hw) 326-0/17 | |
| 54770592 CwPl(cHw) 824-0/10 sl | 63060945 CwHw 834-0/13 sl | 67185352 Cw(Hw) 414-0/8 sl | 73920119 CwHw 835-0/13 sl | |
| 54970363 CwHw 714-0/6 sl | 63236733 CwPl(cHw) 835-0/13 | 67320990 DrCw 232-25/25 he G | 74431062 Ss(Hw) 855-0/17 | |
| 55115759 CwHw(Plc) 526-0/9 | 63456518 CwPlcHw 836-0/12 | 67325018 Dr 220-0/14 he sl G | 74510166 CwHw(Plc) 626-0/8 | |
| 55237990 CwHwPlc 837-0/12 | 63795095 CwHw(Plc) 615-0/5 | 67397150 Cw(Dr) 223-26/26 sl G | 74521336 CwHw(Plc) 835-0/13 | |
| 55331172 HwPl(cCw) 834-0/11 sl | 63877779 CwHw(Plc) 837-0/12 | ○4 67550823 CwHw 224-27/27 sl be GL82 | ○9 74639800 CwHw(Ss) 224-27/27 sl be GL83 | |
| 55791161 CwHw(Plc) 835-0/13 | 63931072 CwHw(Plc) 725-0/11 | 67560248 CwHw 835-0/13 sl | 74990149 PlcCw(Hw) 736-0/13 | |
| 56371547 HwCwPlc 824-0/8 sl | 63941495 Hw 840-0/13 he sl G | 67701197 PlcCw(Dr) 734-0/12 sl | 75139075 HwSs 336-0/19 | |
| 57026583 CwHw 835-0/13 sl | 63999663 CwPlcHw 835-0/11 | 67840231 HwCw(Plc) 726-0/8 | ○9 75169950 HwCw(Dr) 225-28/28 sl GL83 | |
| 57336414 HwCw 514-0/6 sl | 64163155 Cw(Hw) 512-0/5 he sl | 67887088 HwSs(Dr) 230-0/26 hg sl | 75280176 CwHw 224-26/26 sl | |
| 57771241 Hw(Cw) 833-0/10 la sl be | 64158733 Hw(Cw) 624-0/7 sl be | 67955154 Cw(Dr) 222-25/25 sl be G | 76528039 Ss 955-0/16 | |
| 58895515 CwHw 515-0/6 sl | 64280497 CwHw(Plc) 836-0/12 | 68041471 HwCw(Plc) 835-0/12 | 77300637 Ss(Hw) 855-0/17 sl | |
| 59208382 HwCw(Plc) 725-0/9 sl | 64328455 CwHw 514-0/4 sl be | 68094930 CwHw 111-27/27 sl be G | 77359300 he | |
| 59217158 CwHw 416-0/5 | 64358218 HwCw 845-0/12 sl | 68150259 HwCw 834-0/10 sl be | 78719750 Hw(SsDrCw) 334-0/20 he | |
| 59485000 CwHw(Plc) 835-0/12 sl | 64616654 CwHw(Plc) 837-0/11 | 68155368 HwCw(Plc) 621-0/7 he sl la | 78850507 SsHwCw 535-0/17 | |
| 59506921 CwHw(Plc) 625-0/7 sl | 64631474 Hw(Cw) 821-0/9 sl be | 68185508 Ss(Hw) 745-0/16 | 79050759 HwSs 536-0/16 | |
| 59520632 CwHw(Plc) 833-0/12 sl be | 64990923 HwCw(Plc) 836-0/11 | 68457715 CwHw 835-0/14 sl | 79210498 HwSsCw 536-0/16 | |
| 59589600 HwPl(cCw) 835-0/11 sl | 65037888 CwHw 727-0/9 | 68470297 Hw(Cw) 514-0/4 he sl | 79458598 Ss(Hw) 336-0/25 | |
| 60028471 HwCw(Plc) 835-0/10 sl | 65071028 HwCw 835-0/11 sl | 68594967 CwHw(PlcDr) 624-0/11 sl | 79460679 SsHw 745-0/17 he | |
| 60036159 CwHw(Plc) 625-0/7 | 65446744 CwHw(Plc) 837-0/11 | 68810100 HwCw(Plc) 824-0/9 sl | 79490232 SsHw 746-0/16 | |
| 60116333 Cw(Hw) 514-0/7 sl be | 65540985 HwCw(Ss) 836-0/11 | 68874962 DrCw(Hw) 223-0/13 he sl | 79950862 Ss 234-0/28 sl be | |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