Vegetation Map
103B034

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:

O12
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

O12 - 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)
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
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
tb 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

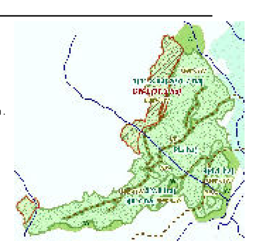
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

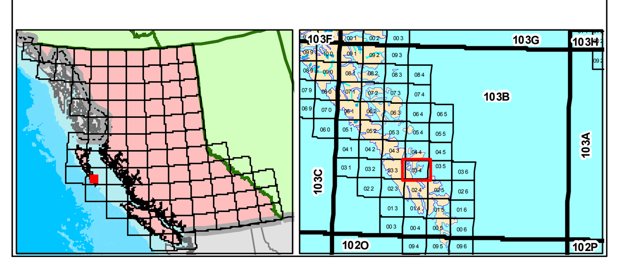
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

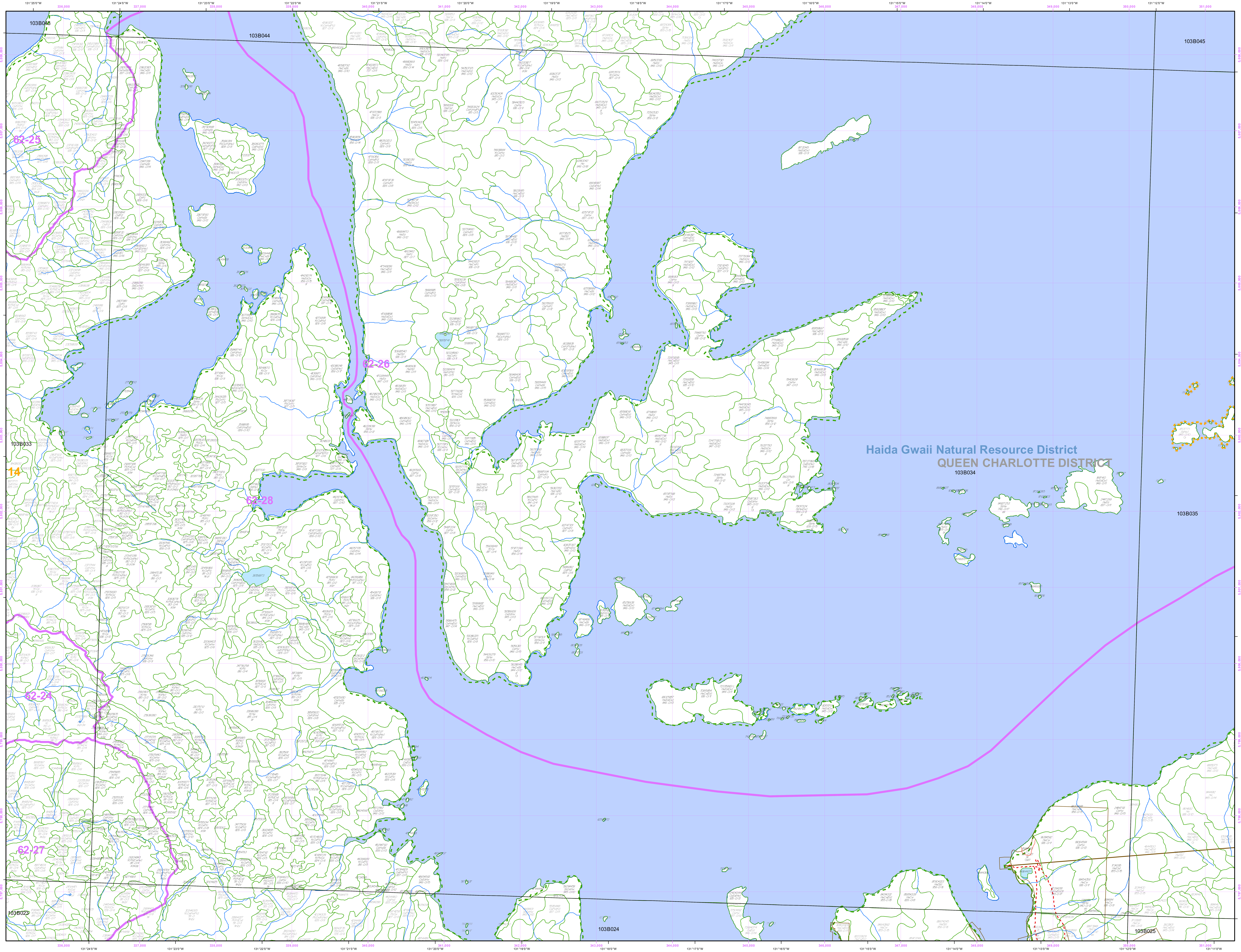
Example Opening History Details

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

2544074 HwCw 946-O/13	27170265 CwYc 826-O/6	33728003 HwCwYcPl(c) 925-O/6 si	44138189 br	63137563 br	84120151 br
3617477 br	27325301 YcPl(cCw) 815-O/4 si	34080734 br	44245167 CwYcPl(cHw) 826-O/7	64536833 br	84675771 HwSs(Cw) 944-O/12 br
23174712 CwYc(Hw) 825-O/8	27410191 CwYcHw 936-O/9 si	34155837 Yc(Hw) 810-O/2 br,si,be	44328313 br	64936409 br	85107083 br
23185147 YcCwHwPl(c) 826-O/6	27470508 CwYcHw 836-O/13	34296740 CwHwSs(Yc) 945-O/13 si	44534540 PlcCw(Yc) 512-O/3 be	65019012 br	85245836 br
23394858 CwYc(Hw) 825-O/8	27558613 br	35049428 br	44641029 YcCwHwPl(c) 827-O/9	65568653 br	85505889 br
23715047 si,be	27747495 YcCwPl(cHw) 826-O/5	35078015 es,be	44995412 YcPlcCw 816-O/5	65798727 br	85715860 br
23835867 Yc 710-O si,br,be	2791083 CwHw(YcSs) 936-O/11	35347902 PlcCwYcHw 926-O/5	45224511 PlcCwYc 726-O/7	66668620 br	85925815 HwSs(Cw) 944-O/12
23905944 Yc(Hw) 814-O/2 si,be	28347678 PlcYc(Cw) 825-O/4 si,be	35554763 CwYcHwPl(c) 936-O/10	45384503 CwPl(cHw) 837-O/10	66676672 br	86755830 br
24006063 CwHwYc 827-O/6	28557396 YcPlcCw(Hw) 812-O/3 br,si,be	35740073 CwSsHw 944-O/13 si	45564963 br	66798527 br	87119842 br
24094835 YcCwHw 814-O/6 si	28805016 si,be	35755031 YcCwPl(c) 816-O/4	45788038 CwHwSs 946-O/13	67406584 br	87658912 br
24206185 YcHw 814-O/4 si,be	28908360 CwHwSs 936-O/9	35785535 YcCw(Hw) 826-O/7	46236360 br	68756621 oc	88807427 br
2426614 CwYcHw 926-O/7	29165162 YcHw(Plc) 813-O/3 si,be	36086624 YcPl(cHw) 817-O/5	47054480 CwPl(cHw) 835-O/12	69788777 br	90617400 br
24496704 YcCw 825-O/8 si	29288402 CwHwSs 925-O/8 si	36239223 br	47075148 br	71754548 br	91256945 br
25257709 YcCwHw 826-O/6	29324811 YcPl(cCwHw) 826-O/7	36327700 CwHw(SsPlc) 936-O/10	47475192 br	74235566 br	91266870 SsHw 404-O/12 br
25277509 Plc(YcCw) 825-O/4 si,be	29418281 CwHw(SsYc) 946-O/14	36489326 br	47714938 br	74815749 br	91287396 br
25307403 CwYcHw 836-O/10	29864835 YcPl(cCw) 814-O/5 si	36719202 br	48105594 br	75185577 br	91644369 HwCw 935-O/9
25327801 YcCw 826-O/9	30157540 YcPl(cHwCw) 815-O/5 si,be	37009511 HwCwSs 946-O/11	48194472 CwHwPl(c) 837-O/11	75375741 HwCw(Ss) 934-O/9 br	91687223 br
25497437 YcCwPl(cHw) 826-O/5	30454632 PlcCw(HwYc) 824-O/6 be	37220272 YcPl(cHwCw) 826-O/7	48255513 br	75615689 br	9455718 br
2551737 PlcYcCw(Hw) 827-O/6	30645776 YcHw 815-O/3 si,br	37416142 es	48591000 CwYcHw 827-O/10	76227293 br	95776856 br
25605034 si,be	30691003 CwHwSs(Yc) 936-O/9	37454836 YcPlc 810-O/3 si,be	48745275 Cw(Ss) 836-O/11	76255803 br	96646630 Hw 920-O/5 br
25636080 br,si,he,by	30947534 CwYcHwPl(c) 926-O/7	37479180 CwHw(Ss) 936-O/9 si	49356124 br	76645694 br	96916556 br
25667153 PlcYc(Cw) 825-O/4 si,be	3117745 YcPl(cHwCw) 815-O/5 si,be	38049160 CwHw 923-O/6 he,si	49764757 br	76825774 br	96977270 br
25757256 YcPl(cCw) 826-O/8	31668265 YcCw 926-O/8	38094554 PlcCwYc 726-O/7	51528181 HwCwSs 936-O/7	77095705 br	97207365 br
25908351 CwHw(Ss) 946-O/15 si	31844878 YcCwPlc 814-O/3 si	38497411 Cw 936-O/10 si	51774537 br	78115674 br	97637323 br
26007675 PlcYc(Cw) 826-O/4 si,be	32087768 YcPl(cHwCw) 813-O/2 si,br,be	38714537 PlcCwYc 726-O/7	51938783 br	78295766 HwSs(Cw) 946-O/12	97647265 br
26058227 br	32124625 PlcCwYc 825-O/8	38724714 YcPlc 810-O/3 si,be,la	53688674 PlcCwYc(Hw) 826-O/5	78897470 br	98557390 br
26164640 CwHw 836-O/10	32337656 PlcCw 826-O/4	38754568 YcPlc 810-O/3 si,be	54100971 HwCw 936-O/9	79487473 br	99954103 HwCw 946-O/13
26274469 CwPl(cHwYc) 825-O/6 he	32830788 br	38705720 YcCwHwPl(c) 807-O/6	57318267 Cw(Hw) 836-O/12	79605664 br	
2671937 YcCwHw 817-O/5	33019131 CwHw(Ss) 936-O/9	40075148 YcCwHw(Ss) 926-O/8	57444467 mu	81135845 br	
26775060 si,be	33160872 br	40295266 YcCwPl(c) 816-O/5	58504394 CwPl(cYc) 837-O/11	81397504 br	
26897664 YcCwPl(cHw) 826-O/7	33164774 Yc(PlcHw) 811-O/3 si,be	41348031 CwHwYcPl(c) 936-O/9	58810925 CwHw 836-O/10	81407457 br	
26910000 Yc(Plc) 813-O/2 si,br	33165062 YcPl(cCw) 815-O/4 si	41406587 YcCwPl(cHw) 826-O/6	59546415 br	82017136 br	
26917761 YcCwPl(cHw) 826-O/7	33357147 PlcCwYc 915-O/3	41425674 YcPl(cHwCw) 813-O/4 si,be	61046328 br	82885826 br	
27098279 br	33385599 Yc(Plc) 812-O/3 br,be	42504518 PlcCw 825-O/8	61076276 br	83105788 HwSs(Cw) 945-O/12	
27128427 CwYcHw 936-O/11 si	33419239 CwHw(Ss) 936-O/11	43734585 PlcCwYc 726-O/7	62564972 br	83133857 br	