BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
103H070

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

(example label: 12 / 123/L / Fd(Hw) / 211-20 / he sl / GL78)

Line 1 - History Record Opeing Number
12 - opening number valid for BCGS mapsheet
bbr - 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 Amabils 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
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

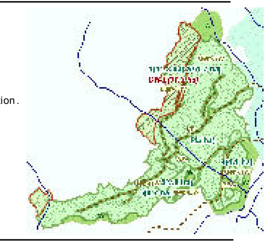
Line 6 - Disturbance History
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

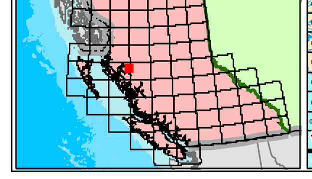
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

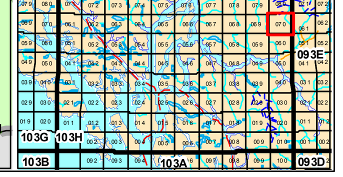
Example Opening History Details

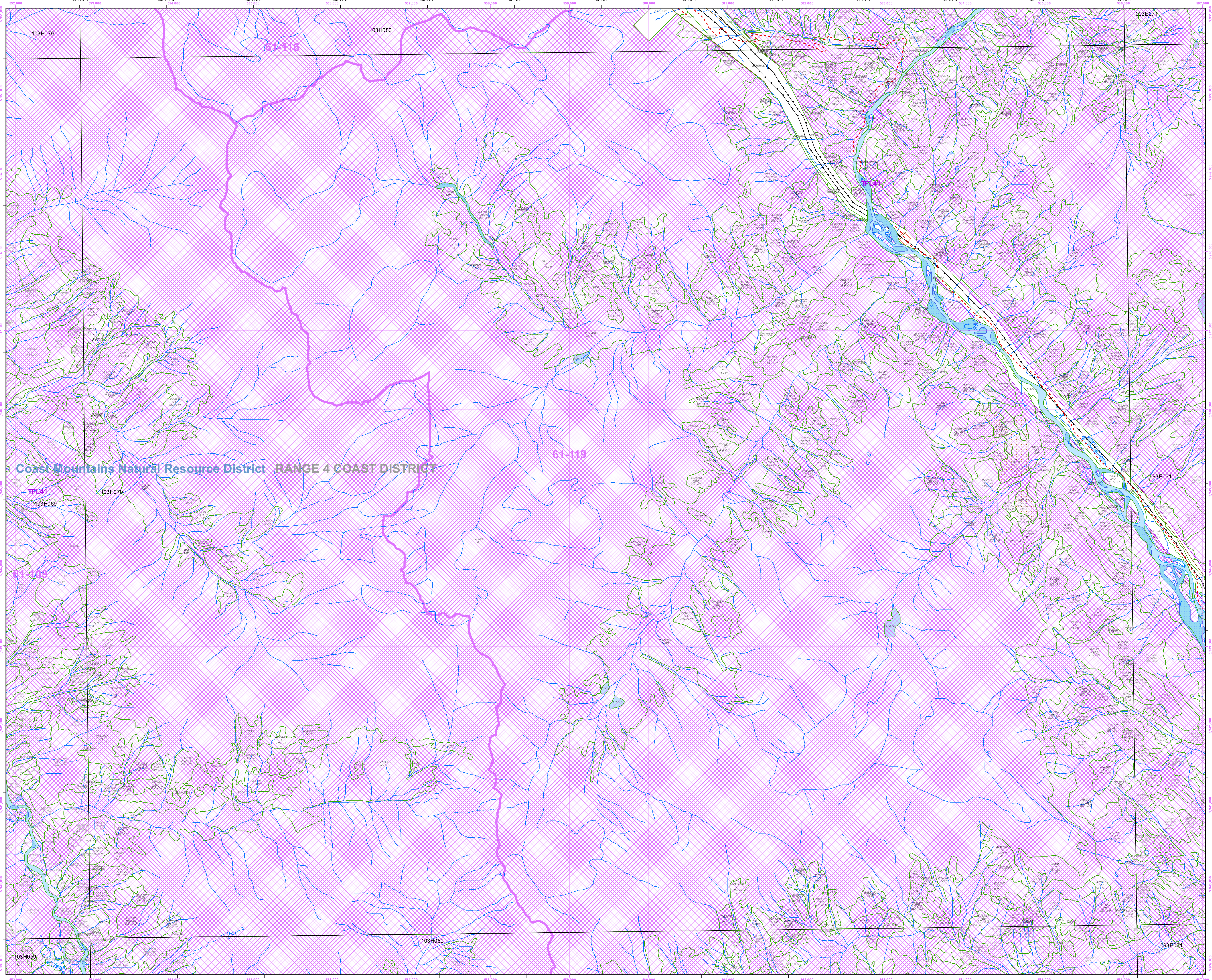
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

682881 NCBR	7126204/L HSsCw(Dr) 336-25/25 G	38415954 H(Ba) 835-0/11	84399384 R	95929120/L NCBR
716884 HBa(Ss)(Ac) 855-0/21	7319352 HBa 834-0/11	48294211 H(Yc) 945-0/11	84668228 HBa(Ss) 934-0/10	96369400 HBaSs 955-0/18
1186630 G	7396784/L HSs(Cw) 523-0/9	53394252 NCBR	84888577 HwBaSsCw) 723-8/7	96783020 HBa 934-0/8
1562851 R	7979337 A	56144338 NCBR	85188964 HB 944-0/10	97528056 HCw(Ss) 934-0/10
1776195 NCBR	7999263 HBa 846-0/15	59937990 HB(Yc) 933-0/8	85298797/L NCBR	97716800 CwH(Ss) 823-0/8
1965693 H(YcB) 824-0/7	8088949 HBa 822-0/7	60588831 HB(Yc) 933-0/8	8541928 HBaCw 935-0/9	97829230 NCBR
2068506 AcDr 225-26/26	8089067 HBa 834-0/8	64088201 R	85746388 H 811-0/4 AF	98219052 HBa(Ss) 935-0/10
2656771/L BaH 643-0/18	28963304 NCBR	64277668 HB 735-0/11	86068400 A	98262868 R
3056495 G	29023392 NCBR	66987712 HB 934-0/10	86258629 Ss(H) 435-0/19	98288883 R
3218955 NPBR	29223767 HCw(Ba) 933-0/9	67277903 H 935-0/8	86478572 A	98306850 BaH(CwSs) 834-0/8
3426797 NPBR	29304464 HBa(CwSs) 944-0/12	6931791 R	86628235 SsHBa) 335-25/25	98729233 HBa(Ss) 935-0/10
3446451 AcSs 344-0/28	29324804 HBa 945-0/13	70037921 BaH 936-0/6	87118251 SsHwBa) 435-25/24	98837358 SsH 846-0/17
3599269 HBa 945-0/13	29515273 HBa 942-0/11	70617633 HB 822-0/6	87449073 NCBR	98878255/L NCBR
3946116 HBa 956-0/17	29534807 NCBR	71576198 HBa 933-0/8	87917055 H(Yc) 834-0/8	99089293/L NCBR
4125337 HCw 921-0/6	29556045 NCBR	72747901 HB) 920-0/5 AF	88072885 HBa 956-0/15	99098872 R
4396795 SsH 435-0/22	29575167 HBa 943-0/10	75285995 BaH 946-0/12	88418147 HwBa(Ss) 955-16/16	99179353 Ss(HBa) 945-0/9
4436322 Ac 447-0/28	29593535 R	75516606 H 823-0/7	88532923 HBa 848-0/15	99226926 NTA
4585028 HB(Yc) 413-0/7	29595008 HB) 933-0/10	76156408 HBa 933-0/10	88628695/L NCBR	99557834 HBaSs 823-0/9
4868083 G	29655742 H 921-0/5 AF	76197819 HBa 933-0/8	89188398 SsBa(H) 955-0/12	99936104 NSR GL91
5094095 H(Yc 824-0/17	29664195 R	76316529 H 836-0/8	89508220 G	
5102943 R	29804974 NCBR	78017726 HBa(Ss) 934-0/10	89709353 HBa(SsCw) 945-0/11	
5645015 R	29853164 HBaCw(Ss) 955-0/15	78517902 HBa 935-0/8	89721598 Ss(H) 842-0/11	
5685953 BaH 953-0/16	30115094 H 511-0/6	78569435 A	89778906 HBa(Ss) 956-0/16	
5787191 R	30218194 HBa 921-0/5	79935913 HBa 803-0/8	90259341 A	
5803685 HB(Yc) 935-0/9	30427964 HBa 933-0/10	80837768 HBa 945-0/13	91422910 NCBR	
6284769 NPBR	30507837 NCBR	80967335 HSs(Ba) 945-0/11	91957854 G	
6334451 NCBR	30637438 HBa 846-0/14	81069439 A	92469177 HBa(Ss) 955-0/17	
6363319 HB) 934-0/8	30717311 HBa 436-0/15	81409022 R	92757548 G	
6393881 H(YcB) 933-0/8	30826937 R	81529423 HB 931-0/10	92899204 NCBR	
6515970 AcDr) 346-0/30	32066897 R	81959410 A	93339389/L NCBR	
6724742 BaH 946-0/10	32183951 SsHBa 956-0/13	82459376 HBa 931-0/10	93417284 HSs(Ba) 945-0/13	
6784637 HBa 932-0/8	32637587 HB 934-0/9	83249425 NCBR	93569221 NCBR	
6845706 HBa(CwSs) 956-0/18	32977073 BaH 737-0/14	83528115 HBa(Cw) 315-10/10	93626982 HBa(Yc) 836-0/10	
6885043 HCw(Ba) 946-0/13	33997502/L NCBR	83568830 R	94017658 NPBR	
6906264 HSs(Cw) 333-25/25 G	34933050 HBaCw(Ss) 945-0/13	83612962 H 944-0/14	94292863 HBa 956-0/16	
7045744 BaH(Cw) 956-0/16	36044084/L NCBR	83657299 R	94779202 HSs(Ba) 945-0/12	
7105901 AcDr) 457-0/38	37876791 HBa 934-0/9	84013037 HBa 943-0/13	95725955 HBa 935-0/10	