Vegetation Map
092M080

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:

○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 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 *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 arenot 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.

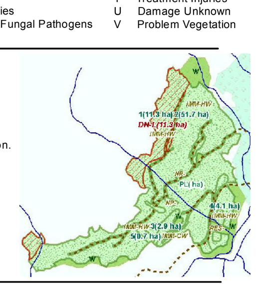
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

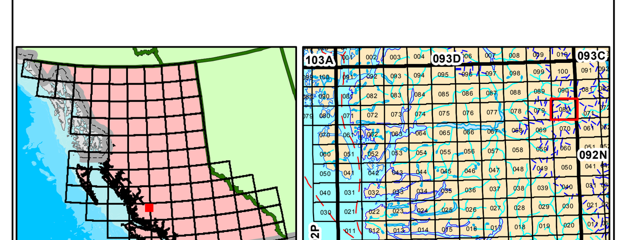
Example Opening History Details

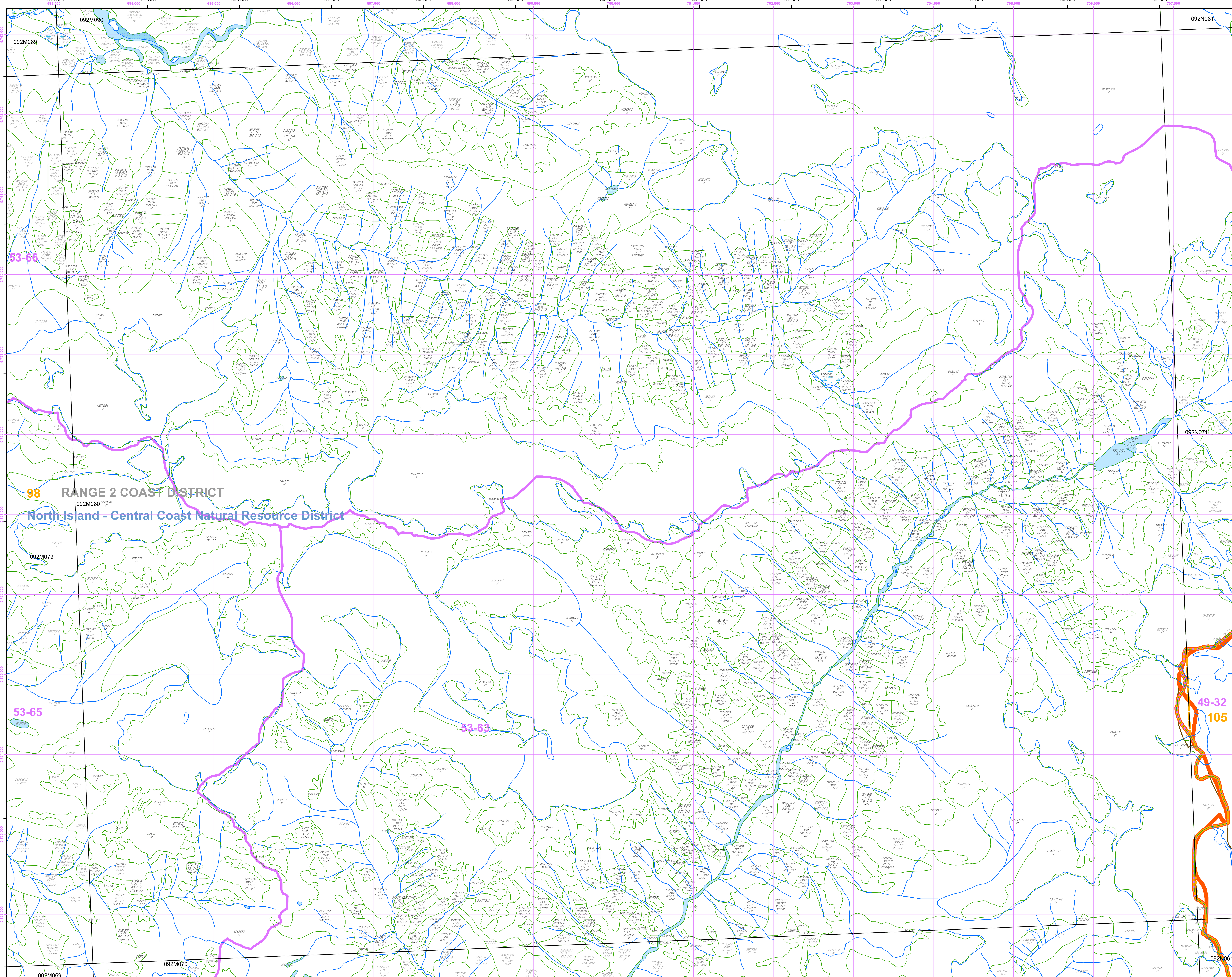
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

2037422 ta,sl,te	22792480 HwCw 932-O/8 br,st	30713606 Hw(BaSs) 626-O/11	43017101 HwBaCw 845-O/14 sl	47132060 ta	57198464 HBa 217-O/13	73570544 BHm 824-O/5 sl
2142131 HmB 414-O/3 sl,te	23151988 HBa 836-O/10 sl	33337354 HmB 513-O/2 sl,te	43317380 HBa 945-O/11 sl	47201507 HB 625-O/6 sl	57208408 HBa 835-O/8 sl,te	73670138 HBa 836-O/12
2212719 BHm 935-O/6 sl	23381132 pn	3134798 br	43347281 HmB(Yc) 310-O/3 ta,sl	47268801 HmB 935-O/4 ta,sl	57272235 br	73750497 BHm 821-O/4 st,ta
2230783 HmB 712-O sl,br,te	2391719 HmB 510-O/2 sl,te,ta	31413611 HBa(Yc) 824-O/5 sl,br,te	43471924 HB 933-O/5 br,sl	47351883 HwB 947-O/12	5741219 HB 930-O/5 st,te	73779327 HmBa 510-O/3 sl,ta,te
2312484 HmB 513-O/3 br,sl,te	24009239 HmB 510-O br,sl,te	3165538 HB 211-O/9 sl,br	43507151 HwBa 955-O/17 st	47397120 br,sl,by	57739934 HmBa 934-O/5 br,sl	73819636 Hm 810-O sl,te,by,ta
2542409 HmB(l) 715-O/2 sl,te	24727089 HBa 835-O/13 sl	31882187 HwBa 946-O/14 sl	43937666 HmB 914-O/2 sl,br	47468284 HmB 615-O/4 sl,te	57928404 HBa 826-O/7	73939895 HmB 924-O/2 st,br
3257663 ta	25037835 HmB 514-O/3 sl,te	32217639 pn	44011518 BHm 845-O/15 sl,by	47578338 HmB 824-O/3 sl,te	58119662 BaH 944-O/11 sl	73969945 br
3359715 br,sl,by,te	25217899 HmB 824-O/4 sl,te	32551633 HBa 725-O/9 sl	44071253 BaH 837-O/7	47839161 HmB(l) 413-O/2 sl,ta,te	58618502 HBa 836-O/8 sl,te	74509435 HmB 716-O/2
3791978 sl,te,ta,by	25417594 HB 834-O/8 st	33043406 HBl 312-O/5 sl,br,te	44077109 HwBa 846-O/13 sl	48598529 HBa 826-O/8	58701620 HB 515-O/5 sl,te	74542617 br
4578100 pn	25497796 HmB 625-O/5 sl,te	33537083 BaH 824-O/6 sl,te	44198068 HmB 410-O/2 br,sl	48728167 HBa 830-O/10 st	58870266 HmBa 824-O/3 sl,te	74759313 HmBa 514-O/3 sl,te
5252506 HmBa 615-O/4 sl,te	25507356 HB 426-O/9 sl,te	33711035 Hm 410-O sl,br,te,by	44199110 HmB 615-O/2 he,sl	49009560 ta	59058635 HBa 315-O/8 sl,te	74960228 HmB 510-O/3 sl,ta,by
5497112 br	25732742 HmB(l) 815-O/2 sl,te	33797217 HmB 510-O/3 sl,te,by	44557633 HmB(Yc) 924-O/3 br,sl,te	49131169 HmB(l) 510-O sl,ta,te,by	59458748 HBa 426-O/11 sl	74968326 br
6072582 HBa 627-O/7	25757485 HB 825-O/9 sl	34337101 HBa(Yc) 310-O/7 sl	44678987 HmB 825-O/2 sl,te	4919197 BH 930-O/8 st	59858555 HmB 825-O/3 sl,te	75390883 ta,sl
6362438 HmBa 923-O/2 sl,te,br	25807740 HmB 615-O/4 sl,te	36253313 HmB(Yc) 925-O/2 sl,te	44917870 HmB(l) 814-O/2 sl,br,te	49648867 HmBa 315-O/6 sl,ta	59871451 HmB(a) 811-O sl,by,te	75507106 ta
6769758 HmB 511-O sl,br,te,by	25837675 HB 315-O/8 sl,te,es	36491547 HBa 835-O/10 sl	44947597 HBa 935-O/8 sl,te	50678395 HwBa 221-O/17 st	60099339 BH 946-O/12	75740978 HmB 824-O/3 sl,te
6992699 HwBa 627-O/11	25853610 HwBa(Ss) 934-O/11 st	36837181 sl,br	45031165 HmB 935-O/4 sl	50808950 HB 415-O/7 sl,te,br	60211514 ta	75860017 br
7303585 Dr(HwSs) 337-O/22	26041640 HmBa 813-O/2 sl,te	36963212 HmB(Yc) 924-O/3 sl,br,te	45061623 BH 910-O/3 sl,te	51001828 BH 514-O/4 st	60239104 HB 836-O/12	76270146 HmBa 925-O/3 br,st
7803607 HwSsBa(l) 645-O/19 es	26107885 HmB 514-O/2 sl,br	37627417 HmB 925-O/2 sl,te	45217762 HmB 826-O/2 sl	5138134 SsBa(H) 834-O/11 st	6118853 HmB 416-O/4 sl	76480074 HmBa(l) 816-O sl
10447120 br	26157534 HB 316-O/10 sl	37937106 HBa 310-O/3 sl,br	45367554 HBa 934-O/10 st,te	51728341 BaHw 956-O/16 sl,by	61478860 HmB 814-O/2 sl,te	77330135 ta
10733602 HwBa(Ss) 956-O/19	26227098 BaHw 832-O/10 st,br	38151547 BH 947-O/13	45411555 BH 845-O/13 sl	51878849 HBa 825-O/7 st	61700274 HBa 626-O/8 sl,by	77511032 HmB(a) 813-O/2 sl,te,by
11103622 Dr 648-O/25	26537472 HB 316-O/10 sl	38442059 HwBa 947-O/12	45477111 br,sl,by	53297139 sl,br,te	62137077 gl	78402458 br
12331630 HwBa(Cw) 957-O/14 sl,te	27013503 HwB 835-O/9 sl	38701491 BH 846-O/13 sl	45521296 HmB 411-O/3 ta,sl	53727178 br	62700250 BHm 820-O/8 st,te	78921259 Hm 813-O sl,te,by,ta
12991892 HBa 415-O/7 sl,te	27653491 HwBa 215-O/9 sl,br	38877160 HBa 946-O/10 sl	45577802 HmB 925-O/3 br,sl,te	53901398 HB 510-O/3 ta	62729537 BHm 934-O/7 st,te	80361220 HmB 924-O/3 sl,te
14637785 pn	28213469 HBa 936-O/9 sl	39057525 HmB(Yc) 315-O/3 sl	45706897 HmB 935-O/4 sl,te	54062102 br	64079610 HmB 514-O/3 sl,te	81807095 ta
15743612 HwBa(CwFdc) 956-O/18	28381359 HmB(l) 824-O/3 sl,te	40417600 HmB(Yc) 813-O/2 sl,br,te	45796783 HmB 410-O/2 ta,sl	54221524 BH 620-O/6 st	64750583 HmB 810-O sl,te,by,br	82307133 br
15920910 gl	28471624 HB 820-O/6 br,st	40699915 pn	45961357 BaH 934-O/9 st	54459571 HmB 614-O/2 sl,br,te	66213620 br	
16068686 pn	28522290 HwBa 820-O/8 st,te	41257283 HBa(Yc) 923-O/6 br,sl	45997299 HwBaCw 947-O/13	54582080 HB 936-O/7	67070010 BHm 835-O/7 st	
17501117 gl	28563554 HwBa 945-O/11 sl	41321728 HB 847-O/12	46028657 HmB 413-O/3 sl,te,ta	54807086 sl,br,te	68910233 BHm 822-O/6 sl,te	
18998310 HmB 712-O sl,br,te,by	29023498 HwBa(Ss) 211-O/11 rs,sl,te	41381316 HmB 515-O/3 sl,te	46092060 HmB 924-O/2 sl,te	55158948 BaH 944-O/12 sl,te	68979823 br	
19926791 HmB 511-O br,sl,te,by	29801516 ta,sl	41622037 HB 930-O/5 st	46151279 BH 835-O/8 st	55471500 HBa 925-O/7 ta,sl	69120094 BHm 835-O/7 st	
21037557 HB 614-O/4 sl,te	29937592 sl,ta,te,by	42127982 ta	46607777 HmB 825-O/7 br	55549599 HBa 410-O/2 br,sl,te	69579445 HBa 410-O/2 ta,sl	
21489390 HBa 314-O/2 br,sl,te	30017231 HmB 824-O/2 sl,te	42181655 BH 843-O/11 st	46678570 HmB 614-O/3 sl,te	56428408 HwBa 325-O/14 st	71510595 HmBa 510-O/3 br,st	
21811484 ta	30058161 HwBa 631-O/13 st,ta	42257158 HwBa 947-O/14 by	46708989 HmB 913-O/2 sl,br,te	56472095 HB 934-O/9 st	71809795 HmB 936-O/4	
21913603 HwCwBa 946-O/12	30588516 HmB 411-O/2 br,sl,te	42342062 br	46790972 HB 810-O sl,br,te,by	56708679 BH 955-O/17 sl	71860007 BHm 834-O/9 st	
22589114 HmB 511-O br,sl,te,by	30677386 sl,ta,te,by	42461179 ta	46958829 HmB 924-O/3 sl,te	56849770 HBa 934-O/9 sl,te	72810579 HmB 834-O/5 st	