Vegetation Map
092O030

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
- 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:

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 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)
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 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.

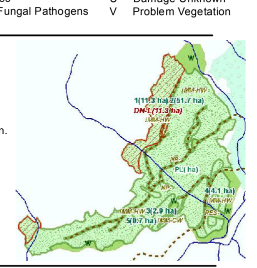
A Animal Damage
B Wildfire
C Cone and Seed Insects
D Diseases
I Insects
L Logging
M Mite Damage
N Non-Biological Injuries
P Cone and Seedling Fungal Pathogens
R Site Rehabilitation
T Treatment Injuries
U Damage Unknown
V Problem Vegetation

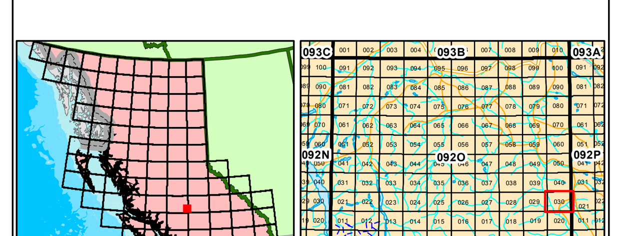
Example Opening History Details

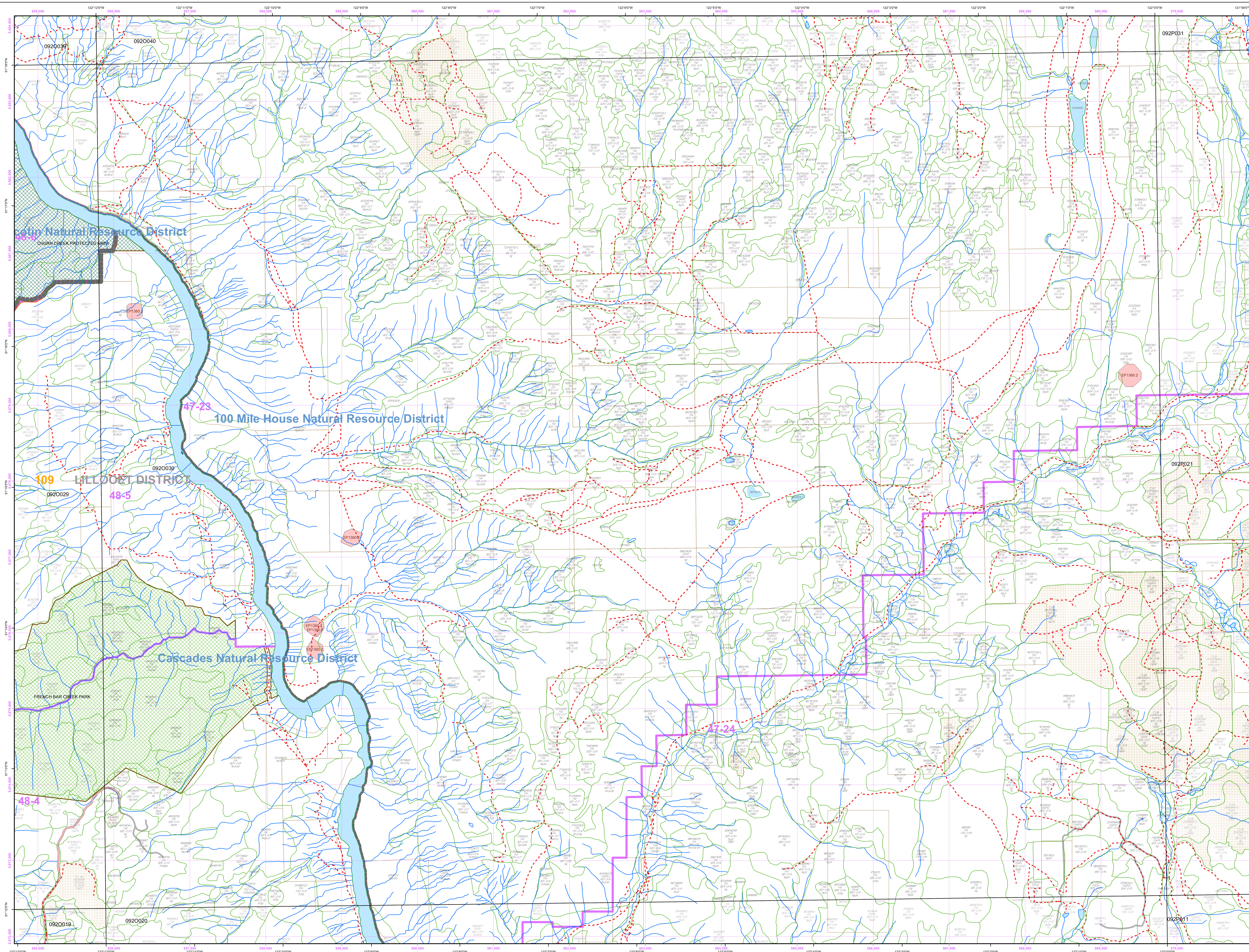
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

1544254 At(Fdi) 423-O/11 hg.sl	2173415 Fdi(Pli) 735-O/13 he.by	5719826 Fdi,Py 832-O/10 es.sl.hg	75452548 Fdi 610-O/7 hg.sl.es	90439551 Fdi 933-O/9 hg.sl.es GB12
1734378 Fdi 510-O/6 hg	22491572 Sx(Fdi) 732-O/12 st	57785092 Fdi 724-O/9 hg.sl	75905220 Fdi 835-O/12	90535203/L Fdi 734-O/13 G
3494236 Fdi,Sx(At) 826-O/11 sl	22642235 Fdi 425-O/10 he	58153920 Fdi 615-O/6 sl.bg	76434448 Fdi 522-O/9 hg.sl	90783365 Fdi 822-O/9 hg.sl G
3934202/L Fdi 622-O/9 he.sl G	O36 23550155 Fdi(Pli) 425-O/15 hg GL60	59415010/L Fdi 625-O/8 hg	76728957 Fdi 934-O/10 sl.he.es	90790766 Fdi 721-O/8 hg.sl.es
4084640/L Fdi(Pli,Sx) 525-O/11 he	O36 23560168 Fdi(Pli) 425-O/16 hg GL60	61333384 Fdi 824-O/7 hg.sl.es	76893929 Fdi 723-O/10 hg.sl	90888777 Fdi 824-O/9 hg
4925175 Fdi 835-O/13 sl.bg	24089769 Fdi,SxPli 736-O/15 sl	61483529 Fdi 824-O/7 hg.sl.es	76904368 Fdi 522-O/9 hg.sl	91688842 Fdi 821-O/8 he.sl.by.es
6112340 Fdi 722-O/9 he	24349476 Fdi,SxPli 736-O/15 sl	O2 61825064/L Fdi 721-O/11 he.sl GL84	76914789 Fdi 511-O/6 hg	92694623 Fdi,Sx 734-O/14 hg.sl
6543693 Fdi,At 733-O/12 hg	24529060 Fdi,SxPli 736-O/15 sl	63282069 Fdi 821-O/7 sl.bg.es	77162248 Fdi 934-O/11	92869927 Fdi 822-O/9 hg GB12
6695386 Fdi 725-O/11	39295015 sl.bg	63571891 Fdi 725-O/8 hg.sl	77725138/L Fdi,At(Pli) 213-O/11 hg	92974300 Fdi,Sx(Pli) 733-O/13 hg.sl G
6754962 Fdi 213-O/12 hg.sl GL89	39504978 At 521-O/12 sl.be	64373552 Fdi 825-O/7 hg.sl	78705192/L Fdi 944-O/13 sl.bg	93124950 Fdi 723-O/10 hg.sl
7164120 Sx(Fdi) 735-O/9 he	40713947 Fdi 410-O/5 es.be.sl	6463353 Fdi 820-O/7 hg.es	79044351 Fdi 722-O/7 hg.sl	93643252 At 323-O/12 hg.sl
8544333 At(Fdi) 523-O/10 hg.sl	40812574 hg	65550609 Fdi(Py) 930-O/9 hg.es	79172376 Fdi 825-O/9 hg.sl	93723925 Fdi 721-O/9 hg.sl
9463637 At,Fdi 523-O/11 he.sl	40882326 Fdi,Py 610-O/5 sl.bg	65733869/L Fdi 620-O/8 hg G	79601317 Fdi 821-O/8 hg.es	93732451 Fdi 820-O/9 hg
9794344 Fdi 521-O/9 hg	41781946 Fdi 931-O/10 sl.bg.es	O2 66235089 Fdi 720-O/10 hg GL84	79804394 hg	93818816 Fdi 821-O/8 he.sl.by.es
10195249 Fdi 524-O/9 hg.sl	42030402 Fdi 833-O/13 sl.bg	66314241 Fdi 623-O/9 hg.sl G	80221622 Fdi 821-O/9 hg	93974083 Fdi 410-O/8 hg
10244463 Fdi,At 523-O/9 hg	42599293 Fdi 831-O/11 hg.by.rz	66643943 Fdi 720-O/8 hg.es	81019221 Fdi,At 524-O/12 hg	94325279/L Fdi 724-O/11 he.sl GL89
10415122 Fdi(At) 411-O/9 hg.sl	42859408 Fdi 834-O/13 by G	66852209 Fdi 822-O/8 sl.es.hg	81711443 At,Fdi 523-O/9 hg.sl	94521865 At 426-O/11 hg
10484921 Fdi 523-O/9 hg.sl	43030814 Fdi,Py 823-O/9 sl.bg.es	66982106 Fdi 825-O/8 hg.sl.es	82143727 At,Fdi 521-O/9 hg.sl.es G	94543671 At 725-O/9 hg.sl
10554589 Fdi 415-O/9 hg	43033814 sl.bg	67124170/L Fdi 720-O/8 hg.sl G	82812922 Fdi 526-O/10 hg.by	94931902 Fdi 620-O/8 hg.es
10760819 Fdi 731-O/13 he.es	43178536 Fdi 831-O/11 he.sl	67342289 Fdi,Py 820-O/7 sl.bg.es	83194095 At,Fdi 624-O/10 hg.sl	94934551 Fdi 825-O/11 he.sl
11042855 Fdi 733-O/12 hg.sl	43179309 Fdi 625-O/10 hg	67893088 Fdi 823-O/8 hg.sl.es	84345170 Fdi 621-O/10 hg	95681478 Fdi,At 732-O/12 hg.sl
11125320 At(Fdi) 624-O/10 sl.bg	43808654/L Fdi 634-O/15 he.sl G	69423999/L Fdi 522-O/9 hg.sl G	84492022 Fdi 820-O/7 hg.es	96065254/L Fdi 635-O/13 sl GL89
11484280 Fdi,At 522-O/11 hg.sl	44701963 Fdi 920-O/8 br.sl.hg	72083908 Fdi 623-O/9 hg.sl G	85022247 Fdi,Ac 833-O/11 he.sl	97035312/L Fdi(Pli) 423-O/15 hg GL89
12972000 At,Ac(Fdi) 730-O/14 hg.st	45058624/L Fdi(Pli) 526-O/12 G	72115941/L Fdi 625-O/11 sl.be	86841557 Fdi 735-O/12 hg G	97155064/L Fdi,Sx(Pli) 524-O/12 sl G
16765343 Fdi 625-O/9 hg.sl	46563405 Py 720-O/5 ri.hg.sl	72374906 Fdi 515-O/7 sl.be	86893799 Fdi 520-O/9 hg.es	97804108 Fdi 721-O/8 hg
19344390 Fdi 524-O/9 hg.sl	48648532 Fdi 826-O/9 by	72940041 Fdi 826-O/8 hg	88175279 Fdi 724-O/10 hg.sl	97805030/L At,Fdi(Ac) 422-O/13 he.sl GL89
19534717 Fdi 625-O/9 hg.sl	50648560 Fdi 834-O/10 hg.by	72940616 Fdi 934-O/11 sl.es.hg.by	88353008 Fdi 723-O/8 hg.sl G	98471636 Fdi 720-O/7 hg.es
O8 20020339 Fdi(Pli) 524-O/13 hg GL60	52455078/L Fdi 623-O/8 hg.sl	73189018/L Fdi 823-O/7 hg.sl G	88165239 Fdi 721-O/9 hg	98939357 At,Fdi(Ac) 733-O/14 hg.sl
20925305 Fdi,At 421-O/16 he	52648745 Fdi 822-O/8 hg.es.sl	73313783 Fdi 623-O/9 hg.sl G	88560904 Fdi 721-O/8 hg.sl	99600836 Fdi 825-O/9 sl.be
20965395 Fdi 325-O/18 he	53164705 Fdi,At 822-O/10 sl.be.br	74382757 Fdi 824-O/8 hg.sl.es	89710041 Ac,Fdi(At) 725-O/8 sl.be GB12	
21174578/L Fdi 325-O/16	54138814 Fdi 933-O/11 hg.sl G	74643760 Fdi 623-O/9 hg.sl	89938758 Fdi 821-O/8 he.sl.by.es	
21224812 Fdi 521-O/14 hg	54394322 Fdi 820-O/7 sl.hg.es	74725003 At,Fdi 525-O/13 hg	90004131 At 734-O/16 he	