Vegetation Map

082F093

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
- Sivicultrue 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

Code	Species
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

Code	Species
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

Code	Species
X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Z	OTHER (tree not on list)
Zc	other conifer
Zh	other hardwood

EXOTICS

Code	Species
	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	gp GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARGIN
be BEACH	la LAKE	mz RUBBLY MINE SPOILS	rn RAILWAY SURFACE
bl BLOCKFIELD	lb LAVABED	oc OCEAN	rs RIVER SEDIMENTS
br BEDROCK	ll LANDING	ot OTHER	rz ROAD SURFACE
bu BURNED AREA	ls POND or LAKE SEDIMENTS	pn SNOW COVER	ta TALUS
cb CUTBANK	mi OPEN PIT MINE	re RESERVOIR	tc TAILINGS
es EXPOSED SOILS	mn MORAINE	ri RIVER / STREAM	ur URBAN
gl GLACIER			

Note: Water categories (la, oc, re, ri) not labelled over 90 percent coverage.

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for F records)

A ALPINE	NP NON PRODUCTIVE	SAND SAND
AF ALPINE FOREST /Species	NPBR NON PRODUCTIVE BRUSH	TIDE TIDAL FLAT
C CULTIVATED	NPBU NON PRODUCTIVE BURN	U URBAN
CL CLAY BANK	NPF NON PRODUCTIVE FOREST /Species	
G GRAVEL BAR	NTA NO TYPING AVAILABLE	NC NON COMMERCIAL
GR GRAVEL PIT	OR OPEN RANGE	NCBR NON COMERCIAL BRUSH
ICE ICEFIELD	P HAYFIELD	NP NON PRODUCTIVE
M MEADOW	R ROCK	NSR NOT SUFFICIENTLY RESTOCKED
MUD MUD FLAT	S SWAMP	NTA NO TYPING AVAILABLE

Line 6 - Disturbance History

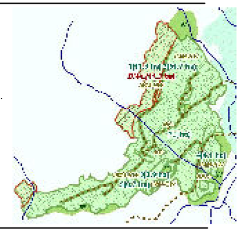
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

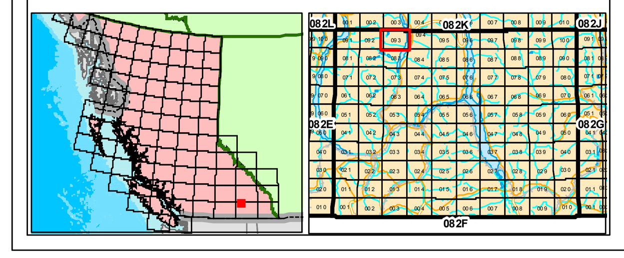
A Animal Damage	L Logging	R Site Rehabilitation
B Wildfire	M Mite Damage	T Treatment Injuries
C Cone and Seed Insects	N Non-Biological Injuries	U Damage Unknown
D Diseases	P Cone and Seedling Fungal Pathogens	V Problem Vegetation
I Insects		

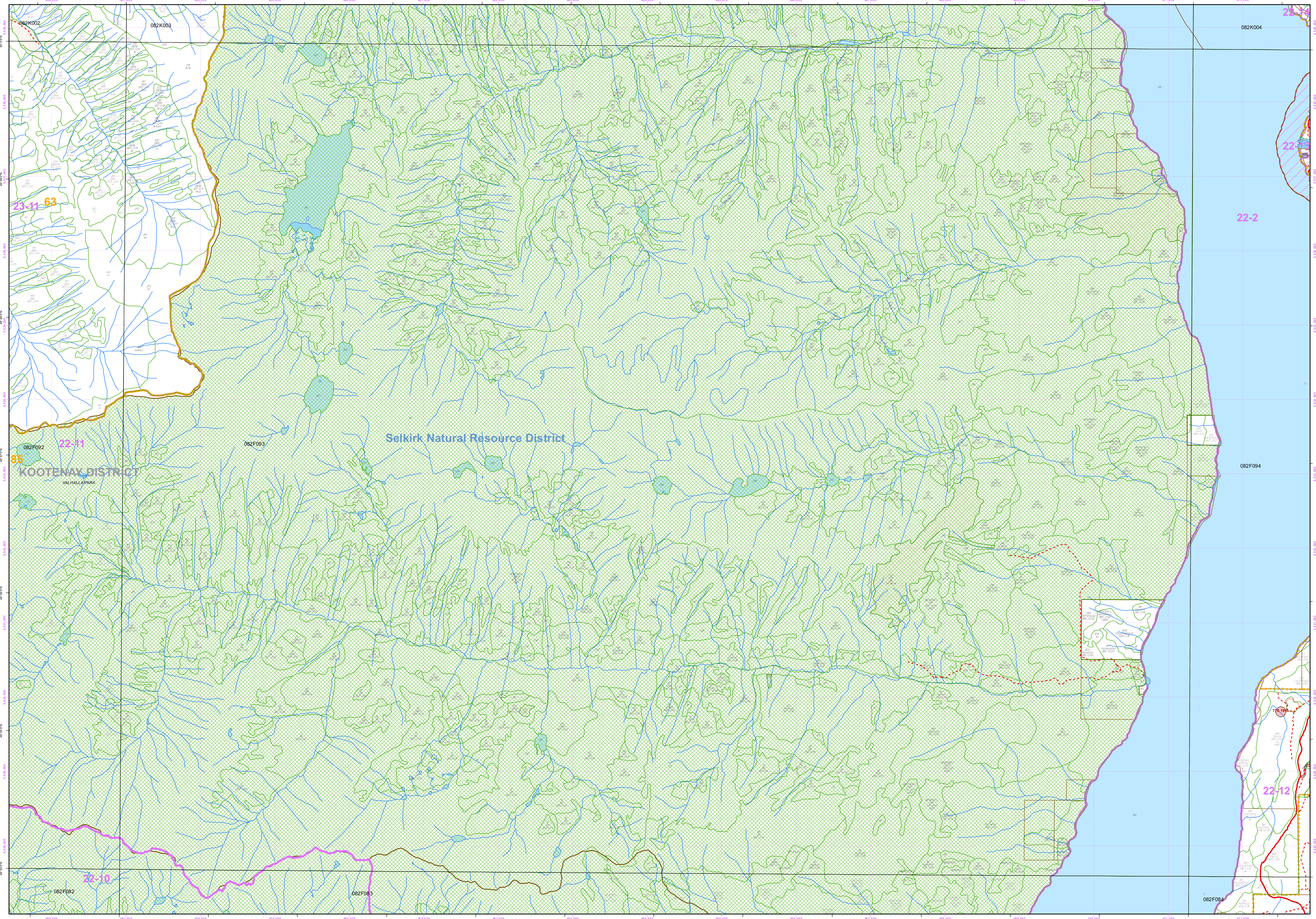
Example Opening History Details

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

13 Se(Bl) 330-0/22 st,he	168 BS 431-0/18	343 BS 822-0/4	508 HCw(S) 946-0/13
15 st,he	171 BS 831-0/8	344 BS 624-0/10	509 HCw(S) 946-0/13
19 st,he	175 BS 524-0/11	351 BS 822-0/4	518 B(S) 621-0/10
20 BS 823-0/4	177 BS 524-0/11	372 HFdS 637-0/14	520 BS 835-0/8
27 BS(Pa) 834-0/11	178 BS 524-0/11	373 HFdS 637-0/14	525 HSCw 946-0/13
32 BS 536-0/15	183 BS 431-0/18	378 HPwL 537-0/18	528 B(S) 626-0/10
42 FdL(PwPl) 736-0/16	185 BS 431-0/18	399 Fd(LPl) 836-0/15	547/L FdHCw 833-0/13
44 FdL(PwPl) 736-0/16	187 BS 524-0/11	○0 401 HCw(FdS) 744-0/15 GL65	○0 548/L
49 FdCw(Pw) 846-0/19	188 BS 534-0/15	409 FdLwHw(EpCw) 536-0/16	561 FdHCw(Pw) 546-0/22
61 BSe 835-0/9	194 BS 422-0/12	411 FdLwHw 743-0/16 he,sl	562 FdH(Cw) 536-0/19
62 B 512-0/5	195 SH(B) 845-0/12	412 FdLwHw 746-0/16	578 Fd(Pl) 534-0/19
65 BS(Pa) 822-0/7	196 SB 422-0/15	413 Fd(PwCw) 746-0/16	582 FdL(H) 847-0/19
74 SB 845-0/12	197 SH(B) 845-0/12	424 BS 835-0/14	590 BHS 944-0/12
83 BS 523-0/11	205 Bl 720-0/7 br,sl,he	430	591 BS 626-0/10
91 HCw(B) 947-0/13	214 SB 536-0/18	434 BS 832-0/8	592 BS 835-0/11
94 SB 835-0/9	219 SB(Pl) 523-0/12	447 BS 636-0/15	600 BS 636-0/15
98 HCw 957-0/21	220 SB(Pl) 523-0/12	448 SB(H) 846-0/12	603 HCw(SFd) 536-0/18
99 H(SB) 846-0/16	222 SB(Pl) 523-0/12	454 BS 635-0/15	77731001/L BS(Pl) 734-0/11 GL07
100 SeBl 335-0/28 st	223 BS 832-0/8	455 BS 635-0/15	78370955/L BS(Pl) 734-0/11 GL07
101 HCw 957-0/21	224 SB 835-0/9	459 CwH(SB) 947-0/9	86741020/L FdPl(PwL) 735-0/15 GL08
○0 102 HCw 211-12/12	226 SB 835-0/9	462 BS 834-0/8	89531055/L FdPl 735-0/16 GL08
113 HSB 526-0/12	245 SeBl 320-0/25 st,he	463 SB(H) 846-0/12	90966927/L Pl(Fd) 534-0/18 GL07
118 HCw(B) 946-0/10	248 BS 833-0/8	464 SB(H) 846-0/12	91011069/L FdPl 734-0/16 GL08
119 SeBl 945-0/13	256 BS 831-0/8	465 SB 844-0/12	91997536/L FdPw(PlHCw) 736-0/16 GL08
123 B(S) 536-0/15	258 SFd(HCw) 536-0/18	467 SB 844-0/12	92177343/L FdPw(PlHCw) 736-0/16 GL07
131 HCw(FdPw) 537-0/18	273 BSe 934-0/9 sl,he	468 BS 835-0/8	92217148/L FdPw(PlHCw) 736-0/16 GL06
134 HPwCw(L) 537-0/18	277 BS(Pl) 821-0/4	469 BS 835-0/8	92677561/L FdPw(HCwPl) 735-0/16 GL07
135 HPw 521-0/12	287 FdLPw(H) 836-0/12	470 BS 835-0/8	94581125/L FdPl 522-0/13 GL08
138 HCw(FdPw) 537-0/18	289 Fd(Pl) 734-0/16	475 BS 734-0/14	97911140/L FdPl 522-0/13 GL07
139 HCw(FdPw) 537-0/18	293 SB 537-0/18	484 BS 626-0/10	
142 Pl 626-0/11	302 SB 636-0/15	486 BS 626-0/10	
145 H(Cw) 947-0/13	322 BSe 833-0/7 sl,he,ta	491 S(B) 835-0/9	
161 FdLH(ECw) 436-0/19	334 B 821-0/4	502 BS 621-0/10	
163 Fd(PwCw) 836-0/15	337 BS 734-0/14	503 BS 626-0/10	
167 BS 822-0/4	340 BS(Pa) 822-0/7	506 SB(H) 836-0/6	

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