Vegetation Map

103C099

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   DDDK - 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 available 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	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS	rm	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	tz	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

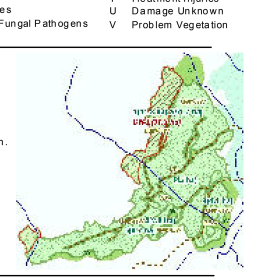
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

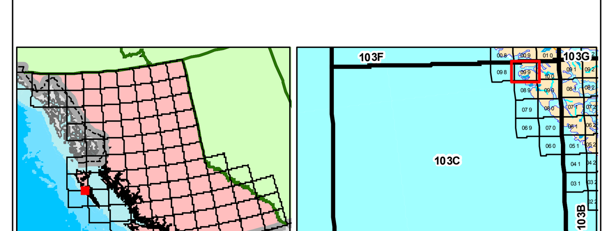
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

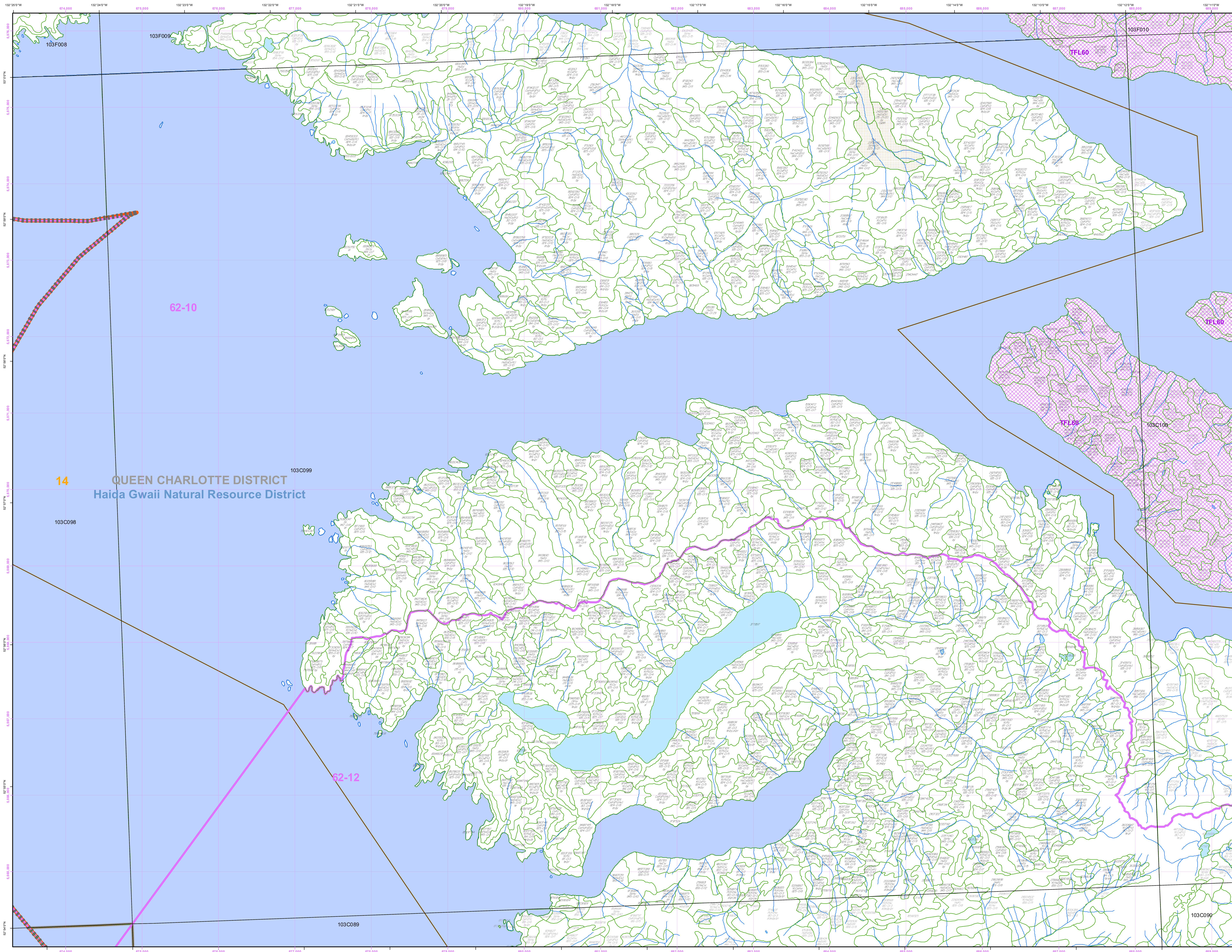
Example Opening History Details

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

240273 CwYc(Hw) 935-O/9	12757904 HwSs 944-O/12 es	20356665 PlcYcHw 610-O/3 sl be by br	30087823 CwYcPl(c) 824-O/7 by	38922940 HwCwSs 945-O/10 by	82003003 br	90900401 br	99266844 PlcYcHw 610-O/3 sl be by br
17933380 HwSs 954-O/14	13357275 YcPl(Cw) 814-O/4 he by	20386725 PlcYcHw 713-O/5 sl be by br	30318340 HwSs(Cw) 935-O/8	39318252 HwSs(Cw) 956-O/15	82119604 CwYcHw 935-O/11	90947946 YcCwPl(c) 925-O/5 by	99727875 CwYcPl(c) 925-O/8 by
2050263 CwYc(Ss) 935-O/10 sl	13567459 CwYcPl(c) 824-O/7 sl be by	20467263 CwHwYc 825-O/9 by	30370660 CwYc(Hw) 924-O/7 by br	39989205 CwHwPl(cYc) 813-O/4 br sl he	8251817 br	9096265 CwYcHw(Ss) 935-O/11 br	
2307736 YcCwPlc 824-O/6 he by	13656813 YcCw(Hw) 824-O/7 he by	20750009 CwHw(Ss) 935-O/11 by	30509625 CwYcPl(c) 824-O/6 by	40000045 HwYcCwPl(c) 814-O/3 he sl	8364829 YcCwPl(c) 814-O/5 by	9147995 Hw 213-O/9 he by es	
2707683 YcPlcCw 812-O/3 he br	13938470 YcCwPlc 814-O/6 by be	20847400 HwCwPl(cYc) 835-O/10 by	30848765 CwYcPl(c) 815-O/4	40099281 CwHwYc 936-O/12	84200054 HwCwSs(Yc) 945-O/15	9168635 CwHwYc 944-O/13 he by	
3797526 YcCwPlc 824-O/6 by br	13947654 CwYc(Ss) 925-O/9 sl	21107322 YcCwSs(Plc) 824-O/7 he by	30906653 CwYcHw 835-O/10 by	40309352 CwHw 931-O/11 es	8505358 HwSs(Cw) 935-O/10	9707251 br	
3972907 CwYcPl(c) 814-O/4 he by	13978024 CwYcPlc 824-O/5 by	21543073 SsHw 955-O/12	31577495 YcCwPl(c) 824-O/6 by	40399655 HwCwYcPl(c) 926-O/6	8518212 YcCwPl(c) 824-O/5 by	9776959 br	
4178876 CwYc(SsHw) 934-O/11 by	14166836 YcPlc 611-O/4 sl be by br	21747595 HwCwYc(Ss) 944-O/11 by	31536745 CwYcPl(c) 615-O/5 he	40509555 CwYc(Hw) 936-O/10	8623023 np la	9182554 CwYcPl(cHw) 814-O/5 he by	
4620243 CwHw(SsYc) 935-O/11	14299728 Hw 940-O/11 es	21887314 YcPl(cCw) 611-O/3 he sl by br	31651696 CwYcHw(Ss) 925-O/9	40649626 CwHwYc 935-O/9 sl be	8627793 br	9205902 SsHw 956-O/17	
5067782 HwCwYcPlc 824-O/7 by	14526704 YcPl(cCw) 823-O/7 by be br	22032768/L Hw 225-O/24	32267409 YcCwPl(c) 611-O/5 he	40689719 HwYcCwPl(c) 814-O/3 he sl	8529372 HwSsCw 933-O/10 he by es	9261934 CwYc 825-O/8 by	
5189250 CwYc(Hw) 934-O/10 by	14971710 CwYcPl(c) 824-O/6 by be br	22307162 HwCwSs(Yc) 935-O/10 by	32396634 YcHw(Cw) 935-O/11	40750132 HwCw(Ss) 945-O/11	8562835 CwYcPl(cHwSs) 925-O/7	9266784 YcCwPlc 825-O/6 by	
5229156 YcPlcCw 812-O/3 he br sl	15048096 Dr 236-O/27	22626653 HwYc 826-O/8	32687349 YcPl(cCw) 613-O/5 he br	41180365 HwSs(Cw) 956-O/14	8679754 br	9293745 HwYcCw 935-O/10	
5558161 CwYcHw 834-O/10	15066567 YcCwPlc 611-O/3 br by	2321458 Ss(Hw) 965-O/17 by	3319460 YcCw(HwSs) 934-O/12	4146562 CwYc(Hw) 937-O/12	86248027/L CwHw 831-O/10 he G	9304889 YcHwSs(Cw) 935-O/11	
6006807 PlcYcHw 610-O/3 sl be by br	15076743 PlcYcHw 610-O/3 he by sl br	23208984 HwSs(CwYc) 935-O/10 by	33210742 YcCwPl(cHw) 925-O/8 by	74738968 br	8683511 br	9307883 YcPlcCw 813-O/3 he by br	
6600597 HwSs(Cw) 844-O/13 br	15097262 HwCwYc(Ss) 935-O/10 by	23527686 CwYc(SsHwPlc) 613-O/6 he by	33379550 SsCwHw 944-O/8	75178967 CwHwYcPlc 823-O/7 br	87353034 CwYcHwSs 921-O/7 es G	9336218 CwYc 925-O/7 he	
7290125 YcCw 913-O/4 he by br	15488826 CwYcPl(c) 924-O/7 sl	23676645 YcHw 835-O/12	33447616 CwYc(SsHw) 924-O/9 by	76229107 HwCw(Ss) 935-O/9	87359057 SsHwYc(Cw) 935-O/6 by es	93321232 YcPlcCw 812-O/5 he by	
8230113 HwSsCw(Yc) 944-O/12 es	15910359 CwYcPl(c) 825-O/5 by	23779021 CwYcHw(Ss) 825-O/7 by	33858348 HwYcCw 934-O/9 sl by	76383565 br	88003368 CwHw(SsYc) 944-O/12 by	9337011 CwYcPl(c) 825-O/8	
8330460 SsHwCw(Yc) 845-O/13	15917386 YcCwPl(c) 824-O/7 he sl by	24126935 HwSs(Cw) 944-O/12 by	34051561 YcCw(HwSs) 935-O/12	76540036 br	88017762 CwYcPl(c) 825-O/6 he	93432263 CwHw(Yc) 824-O/7 br by	
8651469 YcPlc 812-O/3 he sl by br	16198593 YcPl(cCw) 812-O/3 he by br	24920083 HwCw 835-O/8 by	34667762 CwYc 935-O/11	78288563 br	88330408 Ss 830-O/8 br	93706929 SsHw 856-O/15	
8987020 CwHwYc(Ss) 824-O/8 by br	16236938 YcPlcCw 813-O/3 he by	2537991 CwYcPl(c) 825-O/6 by	34750475 YcCwPl(c) 814-O/5 by	79183565 CwYc(Ss) 935-O/11 by	88398881 HwCwSs(Yc) 834-O/11 by	93967297 YcCwPl(c) 814-O/5 by	
10058228 CwYcPl(cHw) 825-O/6 by	16537588 YcPl(cCw) 811-O/4 by be br	25401447 CwYc(SsHwPlc) 935-O/11	35026715 CwYcPl(c) 612-O/3 he br	79169042 SsHwDr(Cw) 935-O/5 by	88582916 SsHwCw 924-O/6 by	9398686 YcPlcCw 824-O/6 he by	
10648002 Hw 310-O/5 es by	16618384 CwYcPlc 312-O/4 he by be	26077741 HwCwSs(Yc) 935-O/10 by	35236661 es he	79968408 br	88942782 SsCw(Hw) 830-O/8 br	9399303 CwSs(HwDr) 935-O/9	
11497799 CwHw 934-O/11 by	16688029/L SsHw 225-O/26	26822118 CwYc(SsPlc) 934-O/10 by	35460856 YcCwPl(cSs) 913-O/4 by be br	80029099 HwDr 213-O/11 es by	8930250 br	94462966 Dr 235-O/26	
11620463 HwSsCw(Yc) 945-O/12	16807342 YcPl(cCw) 812-O/5 he sl	26888103 YcCwPl(cSs) 825-O/7 by	36120813 PlcYc 612-O/3 he by br	80263318 br	89791299 br	94978249 CwYcPlc 925-O/8 he	
12102618 YcPl(cCw) 814-O/4 he by	16908267 HwCw(SsDrYc) 844-O/12 es by	26952370 YcCwHw(Ss) 934-O/9 by sl	36338652 YcCwPl(c) 813-O/6 he es by	80408872 HwSs(CwYc) 835-O/10 by	89120210 CwYc 825-O/8	95162337 CwYcHwPl(c) 814-O/4 he by	
12168118 CwYc 825-O/7 by	17187571 CwPl(cYc) 825-O/7 by	27182050 YcPl(cCw) 813-O/3 he br by	36770042 HwCwYc 325-O/19 by br	80521681 br	89198811 HwSsCw(Yc) 834-O/11 he by	95207912 CwYcPlc 824-O/6 he by	
12311612 CwYc 815-O/4 by	17747032 hg sl	27601762 CwYcPlc 924-O/8 by	36840689 HwCwSs(Yc) 934-O/10	80631418 br	90367808 CwYcHw 813-O/5 br by he	95740097 YcCwPl(c) 825-O/7 by	
12327242 YcCwHwPl(c) 825-O/8 by	18938769 PlcYcHw 713-O/5 sl he by br	27746106 YcPlc 612-O/4 he by	36900774 PlcYcCw(Ss) 814-O/5 by	80791479 br	90397675 YcHwCw 925-O/7 by	96670057 YcCwPl(c) 825-O/7 by	
12387846 CwHw 925-O/8 by	19209066 CwYcPl(c) 824-O/7 by	28658050 YcPl(cCw) 812-O/3 he br sl	36901554 CwYcPlc 925-O/8 by	81089688 CwYcPl(c) 825-O/9	90412640 br	97208474 YcCwPl(c) 825-O/7 by	
12556767 YcCwHwPl(c) 824-O/9 he by	19438955 CwYcPl(c) 824-O/6 by	28217384 HwCwYc 834-O/8 by	37300674 YcPlc 612-O/3 he br by	81178864 HwDr 215-O/13 by es	90439406 HwSs(Cw) 935-O/9	97508513 YcCwPl(c) 815-O/4 he by	
12651274 CwHw(Ss) 836-O/10	19731751 HwYc(CwSs) 835-O/10 es by	28886765 YcCw 613-O/3 he	38220767 CwYcHwPl(c) 824-O/8 by	81299060 Hw 821-O/5 es by	90489072 HwCwYc 825-O/7 by	97981319 CwYcPl(c) 815-O/5 by	
12677994 HwCw 835-O/10	20087972 CwHwYc 935-O/9 by	29011487 HwCwSs(Yc) 944-O/11 by	38373050 CwYcHw(Ss) 924-O/7 he by	81441476 Ss(Cw) 934-O/6 by	90550308 HwCw(Ss) 935-O/7	98376850 CwYcHwPl(c) 616-O/5	
12713281 SsHw(Dr) 955-O/14	20248765 CwYcPl(c) 825-O/9 sl by	30046848 YcCw 822-O/7 he by	38678705 CwYc(Ss) 823-O/7 he by br	88719068 Hw 821-O/7 es by	90680279 CwYc(Ss) 834-O/11	99071480 YcPlc 613-O/3 he by	