

APPENDIX G

XRF data of beads outside of Panama (Group 3)

XRF Data from gold beads outside of Panama
2008-2011 Pre-Columbian Panamanian Gold Research Project

Catalog number	Analysis Date	Analysis Operator	Bead	Analysis #	Au	Cu	Ag	Fe	Pb	Pt	Notes
007035.000	2/1/2011	A.Harrison		x1	54.7	36.3	9.0				
011229.000	2/10/2011	A.Harrison	bead 1	x1	73.7	12.8	13.5				
011229.000	2/10/2011	A.Harrison	bead 2	x1	84.0	3.0	13.0				
011229.000	2/10/2011	A.Harrison	bead 3	x1	78.9	5.6	15.5				
011229.000	2/10/2011	A.Harrison	bead 4	x1	65.2	23.0	11.7				
011229.000	2/10/2011	A.Harrison	bead 5	x1	85.8	4.3	9.9				
011229.000	2/10/2011	A.Harrison	bead 6	x1	81.7	2.0	16.3				
011229.000	2/10/2011	A.Harrison	bead 7	x1	78.7	8.7	12.6				
011229.000	2/10/2011	A.Harrison	bead 8	x1	87.5	5.2	7.3				
011229.000	2/10/2011	A.Harrison	bead 9	x1	82.9	4.2	13.0				
012414.000	2/1/2011	A.Harrison		x1	68.9	16.7	14.4				
012416.000	2/2/2011	A.Harrison		x1	88.5	0.1	11.3				
016449.000	2/7/2011	A.Harrison	bead 1	x1	86.3	5.8	7.9				
016449.000	2/7/2011	A.Harrison	bead 2	x1	88.5	0.1	11.5				
016449.000	2/7/2011	A.Harrison	bead 3	x1	89.2	1.1	9.7				
016449.000	2/7/2011	A.Harrison	bead 4	x1	84.3	5.4	10.3				
016449.000	2/7/2011	A.Harrison	bead 5	x1	67.5	23.3	9.2				
016449.000	2/7/2011	A.Harrison	bead 6	x1	87.1	5.4	7.5				
017430.000	2/17/2011	A.Harrison	bead 1	x1	87.6	3.1	9.3				
017430.000	2/17/2011	A.Harrison	bead 2	x1	62.2	29.5	8.3				
017430.000	2/17/2011	A.Harrison	bead 3	x1	86.1	3.6	10.3				
017430.000	2/17/2011	A.Harrison	bead 4	x1	86.2	3.2	10.6				
017431.000	2/10/2011	A.Harrison	bead 10	x1	69.5	17.1	13.4				
017431.000	2/10/2011	A.Harrison	bead 11	x1	76.1	6.9	17.0				
017431.000	2/9/2011	A.Harrison	bead 2	x1	68.5	27.6	3.9				
017431.000	2/9/2011	A.Harrison	bead 3	x1	93.3	0.2	6.5				
017431.000	2/9/2011	A.Harrison	bead 4	x1	80.4	4.7	14.9				
017431.000	2/9/2011	A.Harrison	bead 5	x1	69.4	13.6	17.0				
017431.000	2/9/2011	A.Harrison	bead 6	x1	89.1	1.2	9.7				
017431.000	2/9/2011	A.Harrison	bead 7	x1	83.7	1.9	14.4				
017431.000	2/9/2011	A.Harrison	bead 8	x1	74.1	10.0	15.9				
017431.000	2/10/2011	A.Harrison	bead 9	x1	76.0	6.8	17.2				
017433.000	2/17/2011	A.Harrison	bead 1	x1	87.7	0.6	11.7				
017433.000	2/17/2011	A.Harrison	bead 10	x1	83.7	6.2	10.1				
017433.000	2/17/2011	A.Harrison	bead 11	x1	86.3	3.0	10.7				
017433.000	2/17/2011	A.Harrison	bead 2	x1	75.5	16.4	8.1				
017433.000	2/17/2011	A.Harrison	bead 3	x1	80.7	3.9	15.4				
017433.000	2/17/2011	A.Harrison	bead 4	x1	85.8	1.8	12.4				
017433.000	2/17/2011	A.Harrison	bead 5	x1	80.3	4.9	14.8				
017433.000	2/17/2011	A.Harrison	bead 6	x1	80.6	3.7	15.7				
017433.000	2/17/2011	A.Harrison	bead 7	x1	70.5	11.9	17.6				
017433.000	2/17/2011	A.Harrison	bead 8	x1	82.0	3.8	14.3				
017433.000	2/17/2011	A.Harrison	bead 9	x1	76.4	8.6	14.9				
017434.000	2/1/2011	A.Harrison	Bead 1	x1	82.5	1.4	16.1				
017434.000	2/1/2011	A.Harrison	Bead 2	x1	83.5	1.3	15.2				
017434.000	2/1/2011	A.Harrison	Bead 3	x1	82.9	3.9	13.3				
017440.000	2/4/2011	A.Harrison		x1	87.8	2.7	9.5				
017441.000	2/4/2011	A.Harrison	bead 1	x1	55.2	40.3	4.5				
017441.000	2/4/2011	A.Harrison	bead 2	x1	83.5	6.7	9.9				
017441.000	2/4/2011	A.Harrison	bead 3	x1	86.9	0.5	12.5				

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017441.000	2/4/2011	A.Harrison	bead 4	x1	65.5	28.7	5.8				
017441.000	2/4/2011	A.Harrison	bead 5	x1	62.3	32.8	4.8				
017441.000	2/4/2011	A.Harrison	bead 6	x1	91.8	0.7	7.5				
017441.000	2/4/2011	A.Harrison	bead 7	x1	88.4	2.3	9.3				
017441.000	2/4/2011	A.Harrison	bead 8	x1	70.2	23.1	6.7				
017442.000	2/4/2011	A.Harrison	bead 1	x1	86.9	1.7	11.4				
017442.000	2/4/2011	A.Harrison	bead 2	x1	89.0	1.9	9.1				
017442.000	2/4/2011	A.Harrison	bead 3	x1	91.5	1.6	6.9				
017968.000	2/7/2011	A.Harrison		x1	91.3	0.7	8.0				
017970.000	2/17/2011	A.Harrison	bead 1	x1	85.9		14.1				
017973.000	2/7/2011	A.Harrison		x1	71.3	8.8	19.9				
017976.000	2/7/2011	A.Harrison		x1	88.3		11.7				
017976.000	2/7/2011	A.Harrison		x2	88.4	0.1	11.5				
017978.000	2/17/2011	A.Harrison	bead 1	x1	93.6	0.1	6.3				
017979.000	2/17/2011	A.Harrison	bead 1	x1	81.7	3.3	15.1				
039199.000	2/3/2011	A.Harrison		x1	83.2	8.7	8.1				
039205.000	2/2/2011	A.Harrison		x1	82.3	9.3	8.4				
051971.000	1/26/2011	A.Harrison	bead 2	x1	82.8	0.6	16.6				
051971.000	1/26/2011	A.Harrison	bead 2	x2	81.1	6.9	12.1				
051971.000	1/26/2011	A.Harrison	bead 3	x1	77.3	9.4	13.3				
051971.000	1/26/2011	A.Harrison	bead 4	x1	68.7	15.6	15.7				
051971.000	1/26/2011	A.Harrison	bead 4	x2	81.9	2.5	15.6				
051971.000	1/26/2011	A.Harrison	bead 5	x1	79.3	8.7	12.1				
051971.000	1/26/2011	A.Harrison	bead 5	x2	82.7	0.7	16.6				
051971.000	1/26/2011	A.Harrison	bead 6	x1	80.9	5.5	13.6				
051971.000	1/26/2011	A.Harrison	bead 6	x2	79.6	3.2	17.2				
051971.000	1/26/2011	A.Harrison	bead 7	x1	81.1	5.7	13.2				
051971.000	1/26/2011	A.Harrison	bead 7	x2	82.1	1.6	16.3				
051971.000	1/26/2011	A.Harrison	bead 8	x1	74.6	11.9	13.5				
051971.000	1/26/2011	A.Harrison	bead 8	x2	80.6	0.9	18.4				
051971.000	1/26/2011	A.Harrison	bead 9	x1	83.0	3.5	13.5				
051971.000	1/26/2011	A.Harrison	bead 9	x2	83.9	2.3	13.8				
052851.000	1/25/2011	A.Harrison	bead 1	x1	82.0	2.3	15.7				
052851.000	1/25/2011	A.Harrison	bead 1	x3	82.3	2.1	15.6				
052851.000	1/25/2011	A.Harrison	bead 1	x4	82.3	2.1	15.6				
052851.000	1/25/2011	A.Harrison	bead 1	x5	82.2	2.7	15.1				
052851.000	1/25/2011	A.Harrison	bead 2	x1	82.3	0.4	17.3				
052851.000	1/25/2011	A.Harrison	bead 2	x2	88.0	0.1	11.9				
052851.000	1/25/2011	A.Harrison	bead 2	x3	82.3	0.4	17.3				
052851.000	1/25/2011	A.Harrison	bead 2	x4	86.4	0.2	13.4				
052851.000	1/25/2011	A.Harrison	bead 2	x5	83.6	0.3	16.1				
053960.000	2/1/2011	A.Harrison		x1	76.0	11.7	12.3				
053960.000	2/1/2011	A.Harrison		x2	79.1	7.1	13.8				
053961.000	2/1/2011	A.Harrison	bead 1	x1	82.8	2.9	14.3				
053961.000	2/1/2011	A.Harrison	bead 2	x1	85.3	1.7	13.0				
053982.000	2/2/2011	A.Harrison	bead 1	x1	82.4	2.1	15.5				
053982.000	2/2/2011	A.Harrison	bead 2	x1	85.0	1.7	13.3				
109957.000	2/9/2011	A.Harrison	bead 1	x1	69.1	14.9	16.0				
0539162.000	2/1/2011	A.Harrison		x1	85.4	1.4	13.2				
051971.000	1/25/2011	A.Harrison	bead 1	x1	73.4	13.7	12.9				
051971.000	1/26/2011	A.Harrison	bead 1	x2	85.8	2.2	12.0				
051971.000	1/26/2011	A.Harrison	bead 1	x3	73.9	13.2	12.9				

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053982.000	2/2/2011	A.Harrison	bead 3	x1	84.9	1.8	13.3				
053982.000	2/2/2011	A.Harrison	bead 4	x1	82.4	1.8	15.8				
053982.000	2/2/2011	A.Harrison	bead 5	x1	79.6	1.7	18.7				
053983.000	2/1/2011	A.Harrison	Bead 1	x1	82.7	3.1	14.2				
053983.000	2/1/2011	A.Harrison	Bead 2	x1	82.2	1.7	16.1				
053985.000	2/1/2011	A.Harrison	bead 1	x1	83.1	1.5	15.4				
053985.000	2/1/2011	A.Harrison	bead 2	x1	81.6	0.9	17.5				
053985.000	2/1/2011	A.Harrison	bead 3	x1	85.2	0.1	14.7				
053985.000	2/1/2011	A.Harrison	bead 4	x1	83.2	4.0	12.8				
053985.000	2/1/2011	A.Harrison	bead 5	x1	82.9	1.2	16.0				
053985.000	2/1/2011	A.Harrison	bead 6	x1	80.7	1.8	17.5				
053988.000	2/1/2011	A.Harrison	bead 1	x1	88.3	0.1	11.7				
053988.000	2/1/2011	A.Harrison	bead 2	x1	49.2	42.2	8.6				
053988.000	2/1/2011	A.Harrison	bead 3	x1	51.1	40.8	8.1				
053989.000	2/1/2011	A.Harrison		x1	81.2	5.3	13.5				
058080.000	2/1/2011	A.Harrison	Bead 1	x1	80.2	2.7	17.1				
058080.000	2/1/2011	A.Harrison	Bead 2	x1	89.9	2.7	7.4				
058080.000	2/1/2011	A.Harrison	Bead 3	x1	50.2	45.6	4.2				
058132.000	2/1/2011	A.Harrison		x1	83.0	0.1	16.9				
058148.000	2/1/2011	A.Harrison		x1	85.4	0.2	14.4				
061293.000	2/1/2011	A.Harrison	bead 1	x1	47.9	12.2	39.9				
061293.000	2/1/2011	A.Harrison	bead 2	x1	46.9	11.6	41.5				
061293.000	2/1/2011	A.Harrison	bead 3	x1	47.7	16.0	36.3				
077107.000	2/1/2011	A.Harrison		x1	82.1	0.1	17.8				
077107.000	2/1/2011	A.Harrison		x2	82.2		17.8				
077107.000	2/1/2011	A.Harrison		x3	82.0	0.1	17.9				
077108.000	2/1/2011	A.Harrison	bead 1	x1	71.3	0.2	28.5				
077108.000	2/1/2011	A.Harrison	bead 2	x1	78.4	4.1	17.5				
077108.000	2/1/2011	A.Harrison	bead 3	x1	64.4	25.1	10.5				
077109.000	2/1/2011	A.Harrison	fragment 1	x1	91.7	0.4	8.0				
077109.000	2/1/2011	A.Harrison	fragment 2	x1	40.0	53.5	6.4				
077109.000	2/1/2011	A.Harrison	fragment 3	x1	64.2	30.8	5.0				
077109.000	2/1/2011	A.Harrison	fragment 4	x1	75.6	13.9	10.5				
077130.000	2/1/2011	A.Harrison		x1	91.2	0.1	8.7				
102603.000	2/2/2011	A.Harrison	bead 1	x1	73.8	19.4	6.8				
102603.000	2/2/2011	A.Harrison	bead 2	x1	70.9	21.5	7.6				
109850.000	2/4/2011	A.Harrison		x1	86.1	4.1	9.8				
109860.000	2/15/2011	A.Harrison		x1	83.9	4.7	11.4				
109925.000	2/4/2011	A.Harrison	bead 1	x1	86.2	6.4	7.5				
109925.000	2/4/2011	A.Harrison	bead 2	x1	77.9	9.4	12.7				
109925.000	2/4/2011	A.Harrison	bead 3	x1	79.8	6.4	13.9				
109925.000	2/4/2011	A.Harrison	bead 4	x1	87.4	6.2	6.4				
109925.000	2/4/2011	A.Harrison	bead 5	x1	79.4	8.2	12.4				
109925.000	2/4/2011	A.Harrison	bead 6	x1	75.5	11.4	13.2				
109925.000	2/4/2011	A.Harrison	bead 8	x1	83.9	4.9	11.2				
109925.000	2/4/2011	A.Harrison	bead 7	x1	80.0	9.9	10.0	0.0			Pb Lbeta peak present but may be from adhesive/paper?
109925.000	2/4/2011	A.Harrison	bead 9	x1	92.3	2.6	5.1				
109957.000	2/7/2011	A.Harrison	bead 1	x1	86.6	4.5	8.9				
109957.000	2/7/2011	A.Harrison	bead 2	x1	83.7	4.9	11.4				

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109957.000	2/7/2011	A.Harrison	bead 3	x1	91.4	5.4	3.2				
109957.000	2/7/2011	A.Harrison	bead 4	x1	85.4	5.4	9.2				
109957.000	2/7/2011	A.Harrison	bead 5	x1	83.4	5.0	11.5				
109957.000	2/7/2011	A.Harrison	bead 6	x1	83.8	4.5	11.7				
109957.000	2/7/2011	A.Harrison	bead 7	x1	89.9	0.5	9.6				
109957.000	2/7/2011	A.Harrison	bead 8	x1	89.7	0.8	9.5				
109957.000	2/7/2011	A.Harrison	bead 9	x1	86.7	6.0	7.3				
109959.000	2/4/2011	A.Harrison	sphere 1	x1	73.5	17.7	8.8				Pt?
109959.000	2/4/2011	A.Harrison	sphere 2	x1	84.4	5.7	9.9				Pt?
109959.000	2/4/2011	A.Harrison	sphere 3	x1	85.0	4.0	11.0				Pt?
109959.000	2/4/2011	A.Harrison	sphere 4	x1	81.7	3.3	9.6		5.4		Pt (shoulder)
109959.000	2/4/2011	A.Harrison	sphere 5	x1	69.2	4.9	7.4		18.5		Pt (shoulder)
109959.000	2/4/2011	A.Harrison	sphere 6	x1	75.3	6.3	9.1	0.7	8.6		Pt (shoulder)
109959.000	2/4/2011	A.Harrison	sphere 7	x1	79.6	5.0	15.4				no Pt
116796.000	2/10/2011	A.Harrison	bead 1	latinum bea	44.7		7.2	3.1	45.0		Pt (double peak)
116796.000	2/17/2011	A.Harrison	bead 10	x1	83.4	6.6	10.0				
116796.000	2/17/2011	A.Harrison	bead 11	x1	87.7	3.0	9.3				
116796.000	2/17/2011	A.Harrison	bead 12	x1	72.2	17.6	10.1				
116796.000	2/17/2011	A.Harrison	bead 2	x1	90.2	0.6	9.2				
116796.000	2/17/2011	A.Harrison	bead 3	x1	72.2	13.4	14.4				
116796.000	2/17/2011	A.Harrison	bead 4	x1	69.5	22.6	7.9				
116796.000	2/17/2011	A.Harrison	bead 5	x1	78.5	6.4	15.1				
116796.000	2/17/2011	A.Harrison	bead 6	x1	82.6	7.5	9.9				
116796.000	2/17/2011	A.Harrison	bead 7	x1	79.2	6.0	14.8				
116796.000	2/17/2011	A.Harrison	bead 8	x1	80.7	9.2	10.1				
116796.000	2/17/2011	A.Harrison	bead 9	x1	68.4	6.8	24.8				
150903.000	2/15/2011	A.Harrison	bead 1	x1	80.5	5.3	14.2				
150903.000	2/15/2011	A.Harrison	bead 2	x1	80.5	6.2	13.3				
150903.000	2/15/2011	A.Harrison	bead 3	x1	80.6	5.8	13.6				
150904.000	2/2/2011	A.Harrison	bead 1	x1	75.2	11.2	13.6				
150904.000	2/2/2011	A.Harrison	bead 2	x1	79.1	5.5	15.5				
150904.000	2/2/2011	A.Harrison	bead 3	x1	79.0	5.4	15.6				
150905.000	2/15/2011	A.Harrison	bead 1	x1	79.7	5.2	15.1				
150905.000	2/15/2011	A.Harrison	bead 2	x1	79.4	5.8	14.8				
150909.000	2/2/2011	A.Harrison	bead 1	x1	73.5	7.6	18.9				
150909.000	2/2/2011	A.Harrison	bead 2	x1	73.2	8.2	18.6				
150909.000	2/2/2011	A.Harrison	bead 3	x1	68.5	15.1	16.4				
150909.000	2/2/2011	A.Harrison	bead 4	x1	70.0	14.1	15.9				
150910.000	2/15/2011	A.Harrison	bead 1	x1	77.4	7.6	15.1				
150910.000	2/15/2011	A.Harrison	bead 2	x1	77.3	8.0	14.7				
150910.000	2/15/2011	A.Harrison	bead 3	x1	77.1	8.7	14.3				
157245.000	2/1/2011	A.Harrison	Bead 1	x1	84.8	1.4	13.8				
157245.000	2/1/2011	A.Harrison	Bead 2	x1	82.5	1.6	15.9				
157245.000	2/1/2011	A.Harrison	Bead 3	x1	74.2	2.6	23.2				
157246.000	2/2/2011	A.Harrison	bead 1	x1	45.8	6.1	48.1				
157246.000	2/2/2011	A.Harrison	bead 2	x1	50.7	3.0	46.3				
157246.000	2/2/2011	A.Harrison	bead 3	x1	51.6	3.3	45.1				
160304.000	1/25/2011	A.Harrison	bead 1	x1	29.6	6.6	63.8				
160304.000	1/25/2011	A.Harrison	bead 10	x1	29.8	6.6	63.6				
160304.000	1/25/2011	A.Harrison	bead 11	x1	29.4	7.0	63.6				
160304.000	1/25/2011	A.Harrison	bead 2	x1	37.7	7.1	55.2				
160304.000	1/25/2011	A.Harrison	bead 3	x1	40.9	3.2	55.9				

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160304.000	1/25/2011	A.Harrison	bead 4	x1	33.8	5.3	60.8				
160304.000	1/25/2011	A.Harrison	bead 5	x1	27.2	3.6	69.2				
160304.000	1/25/2011	A.Harrison	bead 6	x1	29.0	6.3	64.7				
160304.000	1/25/2011	A.Harrison	bead 7	x1	30.7	6.2	63.1				
160304.000	1/25/2011	A.Harrison	bead 8	x1	31.6	5.6	62.7				
160304.000	1/25/2011	A.Harrison	bead 9	x1	30.8	6.3	62.9				
160305.000	2/2/2011	A.Harrison	bead 1	x1	37.0	8.2	54.8				
160305.000	2/2/2011	A.Harrison	bead 2	x1	37.0	8.3	54.7				
160305.000	2/2/2011	A.Harrison	bead 3	x1	36.1	9.0	54.9		0.0		Pb Lbeta peak present but may be from adhesive/paper?
163415.000	2/3/2011	A.Harrison		x1	70.5	8.7	20.8				
163614.000	2/1/2011	A.Harrison	bead 1	x1	78.0	6.8	15.1				
163614.000	2/1/2011	A.Harrison	bead 2	x1	77.4	7.1	15.5				
163614.000	2/1/2011	A.Harrison	bead 3	x1	77.5	7.0	15.5				
163614.000	2/1/2011	A.Harrison	bead 4	x1	78.2	6.3	15.5				
163615.000	2/2/2011	A.Harrison	bead 1	x1	38.7	55.8	5.4				
163615.000	2/2/2011	A.Harrison	bead 2	x1	36.7	58.1	5.3				
163615.000	2/2/2011	A.Harrison	bead 3	x1	36.2	58.4	5.4				
163615.000	2/2/2011	A.Harrison	bead 4	x1	40.4	54.4	5.2				
163616.000	2/2/2011	A.Harrison	bead 1	x1	43.3	50.7	6.0				
163616.000	2/2/2011	A.Harrison	bead 2	x1	35.1	60.1	4.7				
163616.000	2/2/2011	A.Harrison	bead 3	x1	45.8	48.2	6.0				
163616.000	2/2/2011	A.Harrison	bead 4	x1	41.4	53.6	5.0				
163617.000	1/25/2011	A.Harrison	bead 1	1x	40.3	54.2	5.5				
163617.000	1/25/2011	A.Harrison	bead 1	2x	46.1	47.1	6.8				
163617.000	1/25/2011	A.Harrison	bead 2	1x	46.8	46.1	7.1				
163617.000	1/25/2011	A.Harrison	bead 2	2x	46.8	46.0	7.2				
163617.000	1/25/2011	A.Harrison	bead 3	1x	41.4	53.1	5.5				
163617.000	1/25/2011	A.Harrison	bead 3	2x	47.4	45.9	6.7				
163617.000	1/25/2011	A.Harrison	bead 4	1x	41.5	52.4	6.2				
163617.000	1/25/2011	A.Harrison	bead 4	2x	47.5	45.0	7.5				
163617.000	1/25/2011	A.Harrison	bead 5	1x	43.2	50.3	6.5				
163617.000	1/25/2011	A.Harrison	bead 5	2x	48.6	43.8	7.6				
163617.000	1/25/2011	A.Harrison	bead 6	1x	50.9	41.5	7.7				
163617.000	1/25/2011	A.Harrison	bead 6	2x	52.7	39.6	7.8				
169834.000	2/7/2011	A.Harrison	bead 1	x1	75.2	3.2	21.6				
169834.000	2/7/2011	A.Harrison	bead 2	x1	71.1	4.9	24.1				
169834.000	2/7/2011	A.Harrison	bead 3	x1	69.4	5.7	24.9				
169835.000	2/15/2011	A.Harrison		x1	62.6	3.4	34.0				
169836.000	1/27/2011	A.Harrison	bead 1	x1	25.0	11.9	63.1				
169836.000	1/27/2011	A.Harrison	bead 2	x1	35.4	5.1	59.5				
169836.000	1/27/2011	A.Harrison	bead 3	x1	49.9	7.5	42.6				
169836.000	1/27/2011	A.Harrison	bead 4	x1	68.8	5.4	25.8				
169836.000	1/27/2011	A.Harrison	bead 5	x1	40.2	10.9	48.9				
169836.000	1/27/2011	A.Harrison	bead 6	x1	29.9	13.1	56.9				
169836.000	1/27/2011	A.Harrison	bead 7	x1	36.9	21.4	41.7				
169836.000	1/27/2011	A.Harrison	bead 8	x1	26.4	11.3	62.3				
169855.000	2/7/2011	A.Harrison	bead 1	x1	83.9	4.4	11.7				
169855.000	2/7/2011	A.Harrison	bead 2	x1	83.7	4.4	11.9				
169855.000	2/7/2011	A.Harrison	bead 3	x1	89.7	3.7	6.6				

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169855.000	2/7/2011	A.Harrison	bead 4	x1	83.2	4.8	12.0				
169855.000	2/7/2011	A.Harrison	bead 5	x1	84.0	4.3	11.7				
169856.000	2/2/2011	A.Harrison	bead 1	x1	82.5	7.4	10.0				
169856.000	2/2/2011	A.Harrison	bead 2	x1	88.0	2.6	9.4				
169856.000	2/2/2011	A.Harrison	bead 3	x1	78.1	3.5	18.5				
169856.000	2/2/2011	A.Harrison	bead 4	x1	85.7	3.4	10.9				
169856.000	2/2/2011	A.Harrison	bead 5	x1	81.7	4.2	14.2				
169857.000	2/15/2011	A.Harrison	bead 1	x1	84.3	3.7	12.1				
169857.000	2/15/2011	A.Harrison	bead 2	x1	84.4	3.3	12.3				
178571.000	2/15/2011	A.Harrison		x1	63.0	3.5	33.5				
178571.000	2/15/2011	A.Harrison		x2	61.4	5.9	32.7				
178578.000	2/2/2011	A.Harrison	bead 1	x1	69.6	6.9	23.5				
178578.000	2/2/2011	A.Harrison	bead 10	x1	88.2	4.3	7.5				
178578.000	2/2/2011	A.Harrison	bead 11	x1	86.6	0.6	12.8				
178578.000	2/2/2011	A.Harrison	bead 12	x1	82.0	1.0	17.0				
178578.000	2/2/2011	A.Harrison	bead 13	x1	73.0	6.9	20.1				
178578.000	2/2/2011	A.Harrison	bead 14	x1	79.1	2.0	18.9				
178578.000	2/2/2011	A.Harrison	bead 15	x1	86.0	0.6	13.3				
178578.000	2/2/2011	A.Harrison	bead 16	x1	75.2	3.0	21.8				
178578.000	2/2/2011	A.Harrison	bead 17	x1	77.7	1.6	20.7				
178578.000	2/2/2011	A.Harrison	bead 18	x1	61.3	2.0	36.7				
178578.000	2/2/2011	A.Harrison	bead 19	x1	74.5	5.8	19.7				
178578.000	2/2/2011	A.Harrison	bead 2	x1	67.7	3.4	28.9				
178578.000	2/2/2011	A.Harrison	bead 20	x1	61.9	1.8	36.3				
178578.000	2/2/2011	A.Harrison	bead 21	x1	90.4	1.5	8.2				
178578.000	2/2/2011	A.Harrison	bead 3	x1	63.5	5.3	31.3				
178578.000	2/2/2011	A.Harrison	bead 4	x1	89.0	1.0	10.0				
178578.000	2/2/2011	A.Harrison	bead 5	x1	75.5	2.0	22.5				
178578.000	2/2/2011	A.Harrison	bead 6	x1	90.1	0.4	9.6				
178578.000	2/2/2011	A.Harrison	bead 7	x1	90.4	0.8	8.8				
178578.000	2/2/2011	A.Harrison	bead 8	x1	67.8	6.6	25.6				
178578.000	2/2/2011	A.Harrison	bead 9	x1	81.0	1.4	17.6				
178801.000	2/2/2011	A.Harrison	bead 1	x1	82.9	3.0	14.2				
178801.000	2/2/2011	A.Harrison	bead 2	x1	86.2	1.8	12.1				
178801.000	2/2/2011	A.Harrison	bead 3	x1	82.5	3.2	14.3				
178801.000	2/2/2011	A.Harrison	bead 4	x1	90.6	1.5	7.9				
178801.000	2/2/2011	A.Harrison	bead 5	x1	82.9	3.2	14.0				
178801.000	2/2/2011	A.Harrison	bead 6	x1	86.3	1.7	12.0				
178801.000	2/2/2011	A.Harrison	bead 7	x1	86.7	1.6	11.7				
178801.000	2/2/2011	A.Harrison	bead 8	x1	81.8	5.3	12.9				
180758.000	1/27/2011	A.Harrison	bead 1	x1	76.4	12.5	11.1				
180758.000	1/27/2011	A.Harrison	bead 10	x1	81.3	7.7	11.0				
180758.000	1/27/2011	A.Harrison	bead 2	x1	69.0	19.2	11.7				
180758.000	1/27/2011	A.Harrison	bead 3	x1	73.5	14.4	12.2				
180758.000	1/27/2011	A.Harrison	bead 4	x1	80.9	7.6	11.5				
180758.000	1/27/2011	A.Harrison	bead 5	x1	79.2	9.2	11.7				
180758.000	1/27/2011	A.Harrison	bead 6	x1	86.3	3.9	9.8				
180758.000	1/27/2011	A.Harrison	bead 7	x1	82.3	7.2	10.5				
180758.000	1/27/2011	A.Harrison	bead 8	x1	87.6	2.7	9.7				
180758.000	1/27/2011	A.Harrison	bead 9	x1	75.9	12.4	11.6				
180759.000	2/3/2011	A.Harrison	bead 1	x1	48.2	15.9	35.9				
180759.000	2/3/2011	A.Harrison	bead 2	x1	71.0	8.0	20.9				

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180759.000	2/3/2011	A.Harrison	bead 3	x1	49.1	15.8	35.0				
180759.000	2/3/2011	A.Harrison	bead 4	x1	71.0	7.3	21.7				
180759.000	2/3/2011	A.Harrison	bead 5	x1	69.6	8.8	21.6				
180759.000	2/4/2011	A.Harrison	bead 6	x1	70.2	8.4	21.4				
180759.000	2/4/2011	A.Harrison	bead 7	x1	48.6	15.9	35.5				
180759.000	2/4/2011	A.Harrison	bead 7	x2	47.8	15.2	37.0				
180759.000	2/4/2011	A.Harrison	bead 7	x3	48.5	15.9	35.6				
180759.000	2/4/2011	A.Harrison	bead 8	x1	71.9	7.6	20.5				
180760.000	2/4/2011	A.Harrison	bead 1	x1	56.3	14.7	29.0				
180760.000	2/4/2011	A.Harrison	bead 2	x1	64.7	12.7	22.7				
180760.000	2/4/2011	A.Harrison	bead 3	x1	65.0	13.3	21.7				
180760.000	2/4/2011	A.Harrison	bead 4	x1	65.1	14.0	21.0				
180760.000	2/4/2011	A.Harrison	bead 5	x1	64.6	13.2	22.2				
180761.000	2/3/2011	A.Harrison	bead 1	x1	75.3	8.7	16.0				
180761.000	2/3/2011	A.Harrison	bead 2	x1	73.8	9.8	16.4				
180762.000	2/4/2011	A.Harrison	bead 1	x1	68.5	11.4	20.0				
180762.000	2/4/2011	A.Harrison	bead 2	x1	68.8	10.6	20.5				
180762.000	2/4/2011	A.Harrison	bead 3	x1	67.3	8.9	23.8				
180762.000	2/4/2011	A.Harrison	bead 4	x1	65.7	9.1	25.2				
180763.000	2/4/2011	A.Harrison	bead 1	x1	60.4	20.6	19.0				
180763.000	2/4/2011	A.Harrison	bead 2	x1	60.8	20.5	18.7				
180763.000	2/4/2011	A.Harrison	bead 3	x1	60.1	20.0	20.0				
181706.000	2/1/2011	A.Harrison		x1	70.4	14.7	14.9				
186581.000	2/2/2011	A.Harrison		x1	76.2	4.4	19.5				
186585.000	2/15/2011	A.Harrison	bead 1	x1	87.1	3.2	9.7				
186585.000	2/15/2011	A.Harrison	bead 2	x1	81.7	2.8	15.6				
186585.000	2/15/2011	A.Harrison	bead 3	x1	80.7	2.8	16.4				
186586.000	2/15/2011	A.Harrison	bead 1	x1	73.8	1.8	24.4				
186586.000	2/15/2011	A.Harrison	bead 2	x1	86.1	2.6	11.3				
186586.000	2/17/2011	A.Harrison	bead 3	x1	91.9	0.7	7.4				
186586.000	2/17/2011	A.Harrison	bead 4	x1	83.8	3.6	12.6				
186586.000	2/17/2011	A.Harrison	bead 5	x1	83.0	3.7	13.3				
186586.000	2/17/2011	A.Harrison	bead 6	x1	86.5	2.2	11.4				
186586.000	2/17/2011	A.Harrison	bead 7	x1	86.7	1.4	11.9				
186586.000	2/17/2011	A.Harrison	bead 8	x1	74.4	2.1	23.6				
186586.000	2/17/2011	A.Harrison	bead 9	x1	90.2	1.8	8.0				
186604.000	1/25/2011	A.Harrison	whorl 1	x1	23.5	62.2	14.3				
188410.000	2/3/2011	A.Harrison	bead 1	x1	45.5	14.0	40.5				
188410.000	2/3/2011	A.Harrison	bead 2	x1	44.9	15.8	39.3				
188411.000	2/3/2011	A.Harrison	bead 1	x1	49.0	16.8	34.2				
188411.000	2/3/2011	A.Harrison	bead 2	x1	45.4	18.6	36.0				
247233.000	1/27/2011	A.Harrison	bead 1	x1	43.6	37.7	18.8				
247233.000	1/27/2011	A.Harrison	bead 2	x1	37.5	46.0	16.5				
247233.000	1/27/2011	A.Harrison	bead 3	x1	42.2	39.7	18.1				
247233.000	1/27/2011	A.Harrison	bead 4	x1	40.6	42.9	16.6				
247233.000	1/27/2011	A.Harrison	bead 5	x1	40.3	42.7	17.0				
247233.000	1/27/2011	A.Harrison	bead 6	x1	37.7	46.6	15.8				
247233.000	1/27/2011	A.Harrison	bead 7	x1	43.0	38.8	18.2				
247233.000	1/27/2011	A.Harrison	bead 8	x1	39.1	44.8	16.2				