



UNITED STATES DISTRICT COURT

FOR THE EASTERN DISTRICT OF NORTH CAROLINA

UNITED STATES OF AMERICA, )  
 )  
 Plaintiff, )  
 )  
 vs. )  
 )  
 JEFFREY R. MacDONALD, )  
 )  
 Applicant/Defendant, )

Crim. No. 75-26-CR-3  
No. 5:06-CV-24-F  
Judge James C. Fox

**APPENDIX ONE**

TO

**MEMORANDUM OF EVIDENCE AND POINTS AND AUTHORITIES IN SUPPORT OF PETITIONER'S MOTION TO ADD AN ADDITIONAL PREDICATE TO HIS PREVIOUSLY FILED MOTION UNDER 28 U.S.C. SECTION 2255 TO VACATE HIS CONVICTION - NAMELY NEWLY DISCOVERED DNA EVIDENCE PROVING THE PRESENCE OF UNSOURCED HAIRS AT THE CRIME SCENE, INCLUDING ONE SUCH HAIR FOUND WITH BLOOD RESIDUE IN A CRITICAL LOCATION, UNDER THE FINGERNAIL OF KRISTEN MacDONALD**

**(DNA EVIDENCE)**

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DEPARTMENT OF DEFENSE  
ARMED FORCES INSTITUTE OF PATHOLOGY  
WASHINGTON DC 20306-6000



MARCH 10, 2006

Armed Forces Medical  
Examiner System - DNA Registry (40-31a)

Honorable James C. Fox  
United States District Judge  
Alton B. Lennon Federal Building  
Room 213  
2 Princess/Water Streets  
Wilmington, NC 28401

Subject: USA v. Jeffrey R. MacDonald  
No. 75-26-CR-3  
No. 90-104-CIV-3-F

Dear Judge Fox:

Pursuant to your Honor's Orders of March 26, 1999 and April 14, 1999, the Armed Forces Institute of Pathology (AFIP), Armed Forces DNA Identification Laboratory (AFDIL) hereby files with the Court its report detailing the results of all DNA testing in the above captioned case. On March 10, 2006 via Federal Express, copies of the Reports were furnished to counsel for the defense, Timothy D. Junkin, Esq., as well as counsel for the United States, Brian M. Murtagh.

In compliance with regulations set forth from the AFIP, nine (9) DNA reports have been completed: one report for each DNA profile obtained in this case. However, all reports are identical with the exception of the individual named on the first page, and their assigned AFIP accession number. Please find the 9 original DNA reports enclosed.

If you have any questions, please free to contact me at (301) 319-0133 or via facsimile at (301) 295-5932.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kimberly B. Murga".

Kimberly B. Murga  
Assistant Technical Leader  
Nuclear DNA Section  
Armed Forces DNA Identification Laboratory

CF:  
Timothy D. Junkin, Esq  
Brian M. Murtagh, Esq.  
James C. Canik



DEPARTMENT OF DEFENSE  
ARMED FORCES INSTITUTE OF PATHOLOGY  
WASHINGTON, DC 20306-6000

Armed Forces Medical Examiner  
System (40-31a)

AFIP Accession Number 3004951-00  
MACDONALD, Jeffrey  
AFDIL Case No. 1999C0438  
No. 75-26-CR-3  
No. 90-104-CIV-3-F

Honorable James C. Fox  
United States District Judge  
Alton B. Lennon Federal Building  
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**REPORT OF LABORATORY EXAMINATION**

1. The evidence and references received are located in Appendix 1.

2. **Methods**

DNA was extracted, amplified and analyzed for autosomal Short Tandem Repeats (STRs) and mitochondrial DNA.

3. **Results**

The autosomal STR results and statistical calculations are listed in Appendix 2.

The mitochondrial DNA sequence information and database search results are listed in Appendix 3.

## AFMES-DNA

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**4. Conclusions: Autosomal STRs and Mitochondrial DNA:**

Based upon nuclear and mitochondrial DNA analysis, AFDIL Specimen Nos. 46A (E-211, Q125) and 98A (E-3, Q100.1) are consistent with originating from Colette MacDonald. Based upon nuclear DNA analysis, Kimberley MacDonald (AFDIL Specimen Nos. 196A, and 196G) and Kristen MacDonald (AFDIL Specimen Nos. 197A and 197E) are excluded as being the contributors of AFDIL Specimen Nos. 46A and 98A.

**Conclusions: Autosomal STRs:**

The following samples yielded autosomal STR profiles consistent with one another:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>	<u>CID No., FBI No., or Reference</u>
46A	Hair Root	E-211, Q125
98A	Hair Root	E-3, Q100.1
195A/195E/195J	Paraffin Blocks	Colette MacDonald Reference

Based upon autosomal STR analysis, the following specimens were not consistent with any other evidentiary samples tested:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>	<u>Reference</u>
196A/196G	Paraffin Blocks	Kimberley MacDonald Reference
197A/197E	Paraffin Blocks	Kristen MacDonald Reference
198A	Paraffin Block	Gregory Mitchell Reference
199A	Blood	Jeffrey MacDonald Reference

Based upon autosomal STR analysis, the following specimens yielded insufficient data to render a conclusion:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>	<u>CID No., FBI No., or Reference</u>
05A	Hair Roots	Helena Stoeckley Reference
52A	Hair Root	E-4, Q118
195B	Paraffin Block	Colette MacDonald Reference
196E	Paraffin Block	Kimberley MacDonald Reference
197C	Paraffin Block	Kristen MacDonald Reference

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#### 4. Conclusions: Autosomal STRs Continued:

Based upon autosomal STR analysis, the following specimens yielded no reportable results:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>	<u>CID No., FBI No., or Reference</u>
48A	Hair Root	E-209, Q88
75A	Hair Root	E-303, Q79
104A(1)	Hair Root	E-301, Q78
104A(2)	Hair Root	E-301, Q78
112A(5)	Hair Root	D-229, Q96.5
195N	Paraffin Block	Colette MacDonald Reference

#### Conclusions: Mitochondrial DNA:

The following samples yielded mitochondrial DNA sequences consistent with one another (Group A):

<u>AFDIL Specimen No.</u>	<u>Specimen</u>	<u>CID No., FBI No., or Reference</u>
46A	Hair	E-211, Q125
52A	Hair	E-4, Q118
71A(1)	Vial Contents	E-303, Q79
71A(3)	Vial Contents	E-303, Q79
97A(1)	Vial Contents	E-3, Q100
98A	Hair	E-3, Q100.1
101A(1)	Vial Contents	E-205, Q89
101A(2)	Vial Contents	E-205, Q89
104A(2)	Hair	E-301, Q78
112A(4)	Hair	D-229, Q96.4
112A(5)	Hair	D-229, Q96.5
112A(7)	Hair	D-229, Q96.7
112A(9)	Hair	D-229, Q96.9
195A/195B	Paraffin Blocks	Colette MacDonald Reference
196A/196E2	Paraffin Blocks	Kimberley MacDonald Reference
197A/197E	Paraffin Blocks	Kristen MacDonald Reference

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**4. Conclusions Mitochondrial DNA Continued:**

The following samples yielded mitochondrial DNA sequences consistent with one another (Group B):

<u>AFDIL Specimen No.</u>	<u>Specimen</u>	<u>CID No., FBI No., or Reference</u>
51A(2)	Hair	E-5, Q119
58A (2)	Hair	E-52NB, Q87
112A(3)	Hair	D-229, Q96.3
199A	Blood	Jeffrey MacDonald Reference

Based upon mitochondrial DNA analysis, the following specimens were not consistent with any other samples tested:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>	<u>CID No., FBI No., or Reference</u>
58A(1)	Hair	E-52NB, Q87
75A	Hair	E-303, Q79
91A	Hair	D-237, Q137
05A	Hair	Helena Stoeckley Reference
198A	Paraffin Block	Gregory Mitchell Reference

Based upon mitochondrial DNA analysis, the following specimens yielded inconclusive sequence information:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>	<u>CID No., FBI No.</u>
48A	Hair	E-209, Q88
71A(2)	Vial Contents	E-303, Q79
93A	Hair	E-124, Q93
104A(1)	Hair	E-301, Q78
112A(1)	Hair	D-229, Q96.1
112A(2)	Hair	D-229, Q96.2
112B(2)	Hair	D-229, Q96
112A(6)	Hair	D-229, Q96.6
113A	Hair	D-229, Q96

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4. **Conclusions Mitochondrial DNA Continued:**

Based upon mitochondrial DNA analysis, the following specimen yielded no mitochondrial DNA sequence information:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>	<u>Exhibit No.</u>
112A(8)	Hair	D-229, Q96.8.



Kimberly B. Murga, MFS  
Assistant Technical Leader, Nuclear DNA Section  
Armed Forces DNA Identification Laboratory

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**Appendix 1:**

The following specimens were received May 17, 1999 from the Federal Bureau of Investigation, Washington, DC:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>
01A	Slide, "Q128...E-5 fibers..."
02A	Vial, "#13..."
03	Bag of Mounted Hairs, "70A-CE-3668-1B4"
04A	Container of Hairs from Kristen MacDonald, "Government Exhibit 293..."
05A	Bag of Hairs, "...Head hair of Helena Stoeckley..."
06A	Bag of Hairs, "Q25..."
07A	Bag of Hairs, "...Mr. McDonald...Q26..."
08A	Bag of Hairs, "...Q27..."
09A	Bag of Hairs, "...Q28..."
10A	Bag of Hairs and Fibers, "...Q29..."
11A	Bag of Hairs or Fibers, "...Q31..."
12A	Bag of Hairs, "...Q32..."
13A	Bag of Hairs and Fibers, "...Q33..."
14A	Bag of Hairs, "...Q30..."
15A	Bag of Hair, "...Q34..."
16A	Bag of Hairs, "...Q35..."
17A	Bag of Hairs, "...Q36..."
18A	Bag of Hairs, "...Q37..."
19A	Bag of Hairs and Fibers, "...Q38..."
20A	Bag of Hairs, "...Q39..."
21	Slide Mailers with Hairs, "...K27..."
22	Slide Mailer with Hairs "...K26...Pamela Kalin Head Hair..."
23A	Envelope with Comb, "Violet M. Kalin..."
24	Slide Mailers with Hairs, "...K25..."
25	Slides with Hairs, "...K24..."
26A	Envelope with Comb, "Head hairs Mrs. Kassab 28 Feb 71..."
27A	Bag of Hairs, "...Miss Vicki Kalin..."
28A	Vial, "Q22 E-7 Hair..."
29A	Vial, Q23 "Hair samples ...clothing in closet in north bedroom E9..."
30A	Vial, Q24, "Hair samples...dress...north bedroom closet..."
31	Bag of Mounted Hairs, "...K23..."
32A	Vial, Q18, "Hair samples...pillows..."
33A	Vial, Q19, "Hair samples...dress..."
34A	Vial, Q20, "Hair samples...blue coat..."
35A	Vial, Q21, "Hair samples...yellow coat..."

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## Appendix 1 Continued:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>
36A	Slide, "E-313 C-FP-82-70..."
37A	Slide, "Pubic Hair..."
38A	Slide Mailer, "E321 black no root Q53..."
39A	Slide, "E321 black and grey root..."
40A	Test tube, "F-2 known blood from J.R...."
41A	Test tube, "D-239..."
42A	Slide, "#6 fiber"
43A	Vial, "#6..."
44A	Vial, "Q125...Debris...MBR..."
45A	Slide with Fibers, "...Q125..."
46A	Slide with Hair, "...Hair...Q125..."
47A	Vial, "Fibers/hairs..."
48A	Slide with Hair, "...Q88..."
49A	Slide with Hair, "...Q88..."
50A	Slide Mailer "...Q88..."
51A	Slide with Hairs, "Q119..."
52A	Slide with Hair, "Q118..."
53A	Slide with Fibers, "Q117..."
54A	Vial, "...Q118.1..."
55A	Slide with Hair, "...Q87..."
56A	Slide with Hair, "from vial...Q87..."
57A	Slide Mailer, "...Q87..."
58A	Slide with Hair, "...Q87..."
59	Container with Fibers, "...Q87..."
60A	Vial, "Q87...P-C-FP..."
61A	Vial, "#9...Q139.1..."
62A	Slide with Fibers, "...Q139..."
63A	Slide Q138, "...#8 fiber hair..."
64A	Vial, "...Q138.1..."
65A	Vial, "...Q135.1..."
66A	Slide, "...fibers...Q135"
67A	Vial, "...Q134.1..."
68A	Slide Q134, "...fibers..."
69A	Container with Fibers, "...Q79..."
70A	Container with Wood Chips, "...Q79..."
71A	Vial, "...Q79..."
72A	Container with Paper and a Wood Chip, "...Q79..."

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## Appendix 1 Continued:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>
73A	Slide with Fibers, "...Q79..."
74A	Slide with Fibers, "...Q79..."
75A	Slide with Hair, "...Q79..."
76A	Slide with Hairs or Fibers, "...Q79..."
77A	Slide with Fibers, "...Q81..."
78A	Slide with Fibers, "...Q80..."
79A	Slide with Fiber, "...Q80..."
80A	Slide with Fiber, "...Q80..."
81A	Slide with Fiber, "A...Q80..."
82A	Slide with Fiber, "B...Q80..."
83A	Slide with Fiber, "...Q82..."
84A	Slide with Hair, "...Q82..."
85A	Slide with Hairs and/or Fibers, "...Q82..."
86A	Slide with Fiber, "...Q83..."
87A	Slide with Hairs and/or Fibers, "...Q92..."
88A	Slide with Hairs or Fibers, "...Q124..."
89A	Slide with Hair, "Hair...Q105..."
90A	Slide with Hair or Fibers, "Fibers...Q105..."
91A	Slide, "...Q137..."
92A	Vial, "...Q137.1...#7"
93A	Slide with Hair, "...Q93..."
94A	Slide with Hairs and/or Fibers, "...Q93..."
95A	Vial, "Q93...Hairs, Fibers #124..."
96A	Slide with Hairs or Fibers, "...Q100..."
97A	Vial Q100, unlabelled
98A	Slide with Hair, "...Q100.1"
99A	Slide with Hairs and/or Fibers, "...Q89..."
100A	Slide with Hairs and/or Fibers, "...Q89..."
101A	Vial, "...hairs, fibers removed from club..."
102A	Slide Mailer, unlabelled
103A	Container with Fibers, "...Q89..."
104A	Slide with Hairs, "...Q78..."
105A	Slide with Fibers, "...Q78..."
106A	Slide with Hairs and/or Fibers, "...Q78..."
107A	Container, "...Q78..."
108A	Container, "...wood chips...Q78..."
109A	Vial with White Fiber and Piece of Paper "15...Q78..."
110A	Vial, "Q96...hairs, fibers, etc..."
111A	Container, "...Q96..."

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## Appendix 1 Continued:

<u>AFDIL Specimen-No.</u>	<u>Specimen</u>
112A	Slide with Hair, "19 1/2 ...Q96..."
113A	Slide with Hair, "...Q96..."
114A	Slide with Fibers, "...Q96..."
115A	Slide with Hairs and/or Fibers, "...Q96..."
116A	Vial with stained Fabric, "...area #3..."
117A	Slide with Hair or Fiber, "E-314-70"
118A	Slide with Hair or Fiber, "E-315-70"
119A	Slide with Hair or Fiber, "E-316-70"
120A	Slide with Hairs or Fibers, "EXE-320..."
121A	Slide with Hair or Fiber, "E-317-70"
122A	Slide with Hair or Fiber, "E-318-70"
123A	Slide with Hair or Fiber, "E-319-70"
124A	Slide with Hairs, "L1913 K3..."
125A	Slide with Hairs, "PC-L1913...8"
126A	Slide with Hairs, "PC-L1913...7 1/2"
127A	Slide with Hairs, "...L1913 K3..."
128A	Slide with Hairs, "...L1913 K3..."
129A	Bag with Hairs, "K-3...Kristen MacDonald..."
130A	Container, "...PC-L1913...K3..."
131A	Bag with Hairs, "K-2...Kimberly MacDonald..."
132A	Container, "PC-L1913...K2..."
133A	Slide with Hairs, "...10 1/4"...K2..."
134A	Slide with Hairs, "...13 1/4" K2..."
135A	Slide with Hairs, "...K2..."
136A	Slide with Hairs "...13 1/4" K2..."
137A	Slide with Hairs, "...14 1/4"...K2..."
138A	Box, "...K15...Rt upper arm outside..."
139A	Film Canister, "K18, PMS...Left Forearm Top #17..."
140A	Box, "...K7..."
141A	Container, "K14...Rt Back of head..."
142A	Container, "K20...chest..."
143A	Container, "K12...back L side of head..."
144A	Container, "K13...8 back center of head..."
145A	Container, "K21 14, Navel..."
146A	Container, "K19...12 Rt chest..."
147A	Container, "...K11...6 over rt ear..."
148A	Container, "...K10...#5 center of head"
149A	Container, "...K22...15 pubic..."
150A	Box, "...K8...Rt Temple..."

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## Appendix 1 Continued:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>
151A	Box, "K9...#4 above L. Ear"
152A	Box, "...K6...Left Temple area"
153A	Film Canister, "RT Forearm..."
154A	Box, "...K17...II Left Upper arm outside..."
155A	Slide with Hair, "...Q77..."
156A	Bag of Hair, "...Colette MacDonald...K1..."
157A	Container, "...K1..."
158A	Slide with Hair, "...17...K1..."
159A	Slide with Hair, "...K1..."
160A	Slide with Hair, "1...K1..."
161A	Slide with Hair, "2...K1..."
162A	Slide with Hair, "4...K1..."
163A	Slide with Hair, "3...K1..."
164A	Slide with Hair, "5...K1..."
165A	Slide with Hair, "... K1..."
166A	Slide with Hair E-324, Q42, "A 9901110182J..."
167A	Slide with Hair E-324, Q41, "A...99011101825..."
168A	Slide with Hair E-324, Q40, "A...9901110182J..."
169A	Slide with Hair, "E-308 E-309..."
170A	Slide with Hairs, unlabelled
171A	Slide with Hair, unlabelled
172A	Slide with Hair, unlabelled
173A	Slide with Hair, unlabelled
174A	Slide with Hair, "305"
175A	Slide with Hair, unlabelled
176A	Slide with Hair, "...left leg"
177A	Slide with Hair, unlabelled
178A	Slide with Hair, "...left Arm MacD"
179A	Slide with Hair, "Head..."
180A	Vial, "Hair sample...Right Leg of CPT MacDonald"
181A	Vial, "Hair sample...head of CPT Jeffrey MacDonald..."
182A	Vial, "Hair sample...left arm pit of CPT Jeffrey MacDonald..."
183A	Vial, "hair sample...left leg..."
184A	Vial, "hair sample...left arm of CPT MacDonald..."
185A	Vial, "hair sample...pubic area of cpt MacDonald"
186A	Vial, "hair sample...right arm of Capt. MacDonald"
187A	Vial, "Hair sample...chest of Cpt. MacDonald..."
188A	Vial, "Hair sample...right arm pit of Cpt. MacDonald..."

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**Appendix I Continued:**

The following specimens were received December 29, 1999 from the Forensic Analytical Specialty, Hayward, CA:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>
189A	Bag with Fabric, "...urine sample..."
190A	Bag with Fabric, "...D127-3..."
191A	Bag with Fabric, "...D127-5..."
192A	Bag with Fabric, "...D56-9..."
193A	Bag with Fabric, "...D56-7..."
194A	Bag with Fabric, "...D60-11..."

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**Appendix 1 Continued:**

The following specimens were received August 31, 2004 from the Armed Forces Institute of Pathology, Washington DC:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>
195A	Paraffin block with tissue, "A-29-70"
195B	Paraffin block with tissue, "A-29-70"
195C	Paraffin block with tissue, "A-29-70"
195D	Paraffin block with tissue, "A-29-70"
195E	Paraffin block with tissue, "A-29-70"
195F	Paraffin block with tissue, "A-29-70"
195G	Paraffin block with tissue, "A-29-70"
195H	Paraffin block with tissue, "A-29-70"
195I	Paraffin block with tissue, "A-29-70"
195J	Paraffin block with tissue, "A-29-70"
195K	Paraffin block with tissue, "A-29-70"
195L	Paraffin block with tissue, "A-29-70"
195M	Paraffin block with tissue, "A-29-70"
195N	Paraffin block with tissue, "A-29-70"
195O	Paraffin block with tissue, "A-29-70"
195P	Paraffin block with tissue, "A-29-70"
195Q	Paraffin block with tissue, "A-29-70"
195R	Paraffin block with tissue, "A-29-70"
195S	Paraffin block with tissue, "A-29-70"
195T	Paraffin block with tissue, "A-29-70"
196A	Paraffin block with tissue, "A-30-70"
196B	Paraffin block with tissue, "A-30-70"
196C	Paraffin block with tissue, "A-30-70"
196D	Paraffin block with tissue, "A-30-70"
196E	Paraffin block with tissue, "A-30-70"
196F	Paraffin block with tissue, "A-30-70"
196G	Paraffin block with tissue, "A-30-70"
196H	Paraffin block with tissue, "A-30-70"
196I	Paraffin block with tissue, "A-30-70"
196J	Paraffin block with tissue, "A-30-70"
197A	Paraffin block with tissue, "A-31-70"
197B	Paraffin block with tissue, "A-31-70"
197C	Paraffin block with tissue, "A-31-70"
197D	Paraffin block with tissue, "A-31-70"
197E	Paraffin block with tissue, "A-31-70"

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**Appendix I Continued:**

The following specimen was received January 5, 2005 from the UVA Health System, Charlottesville, VA:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>
198A	Paraffin block with tissue, "82-5026"

The following specimen was received February 24, 2005 from the Federal Bureau of Investigation, Quantico, VA:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>
112B(2)	Microtube with hair, "99C-0438 112B(2)..."

The following specimens were received November 17, 2005 from the Federal Correctional Institution, Cumberland, MD:

<u>AFDIL Specimen No.</u>	<u>Specimen</u>
199A	Purple top tube with blood, "Jeffrey MacDonald..."
199B	Purple top tube with blood, "Jeffrey MacDonald..."

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**Appendix I Continued:**

After examination at AFDIL, the following samples were subdivided and labeled as follows::

<u>AFDIL Specimen No.</u>	<u>Specimen</u>
51A(1)	Hair
51A(2)	Hair
51A(3)	Hair
58A(1)	Hair
58A(2)	Hair
65A(1)	Vial Contents
65A(2)	Vial Contents
71A(1)	Vial Contents
71A(2)	Vial Contents
71A(3)	Vial Contents
97A(1)	Vial Contents
101A(1)	Vial Contents
101A(2)	Vial Contents
101A(3)	Vial Contents
101A(4)	Vial Contents
104A(1)	Hair
104A(2)	Hair
112A(1)	Hair
112A(2)	Hair
112A(3)	Hair
112A(4)	Hair
112A(5)	Hair
112A(6)	Hair
112A(7)	Hair
112A(8)	Hair
112A(9)	Hair

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## Appendix 1 Continued:

## Evidence Tested at AFDIL:

<u>AFDIL Specimen No.</u>	<u>CID No.</u>	<u>FBI No.</u>	<u>Government Exhibit No.</u>	<u>Specimen</u>	<u>DNA Systems Tested</u>	<u>Disposition of Evidence</u>
46A	E-211	Q125	GX-105	Hair with root	mtDNA/STRs	C
48A	E-209	Q88		Hair with root	mtDNA/STRs	R
51A(2)	E-5	Q119	GX-281	Hair	mtDNA	C
52A	E-4	Q118	GX-280	Hair with root	mtDNA/STRs	R
58A(1)	E-52NB	Q87	GX-362	Hair	mtDNA	C
58A(2)	E-52NB	Q87	GX-362	Hair	mtDNA	R
71A(1)	E-303	Q79	GX-327	Vial Contents	mtDNA	C
71A(2)	E-303	Q79	GX-327	Vial Contents	mtDNA	C
71A(3)	E-303	Q79	GX-327	Vial Contents	mtDNA	C
75A	E-303	Q79	GX-327	Hair with root	mtDNA/STRs	R
91A	D-237	Q137	GX-285	Hair	mtDNA	C
93A	E-124	Q93		Hair	mtDNA	C
97A(1)	E-3	Q100		Vial Contents	mtDNA	C
98A	E-3	Q100.1		Hair with root	mtDNA/STRs	R
101A(1)	E-205	Q89	GX-307	Vial Contents	mtDNA	C
101A(2)	E-205	Q89	GX-307	Vial Contents	mtDNA	C
104A(1)	E-301	Q78	GX-325	Hair with root	mtDNA/STRs	C
104A(2)	E-301	Q78	GX-325	Hair with root	mtDNA/STRs	R
112A(1)	D-229	Q96.1	GX-107	Hair	mtDNA	C
112A(2)	D-229	Q96.2	GX-107	Hair	mtDNA	C
112A(3)	D-229	Q96.3	GX-107	Hair	mtDNA	C
112A(4)	D-229	Q96.4	GX-107	Hair	mtDNA	R
112A(5)	D-229	Q96.5	GX-107	Hair with root	mtDNA/STRs	R
112A(6)	D-229	Q96.6	GX-107	Hair	mtDNA	C
112A(7)	D-229	Q96.7	GX-107	Hair	mtDNA	R
112A(8)	D-229	Q96.8	GX-107	Hair	mtDNA	R
112A(9)	D-229	Q96.9	GX-107	Hair	mtDNA	C
112B(2)	D-229	Q96	GX-107	Hair	mtDNA	C
113A	D-229	Q96	GX-107	Hair	mtDNA	C

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**Appendix I Continued:**

## References Tested at AFDIL:

<u>AFDIL Specimen No.</u>	<u>Name Association</u>	<u>Specimen</u>	<u>DNA Systems Tested</u>	<u>Disposition of Evidence</u>
05A	Helena Stoeckley	Hairs with roots	mtDNA/STRs	R
195A	Colette MacDonald	Paraffin block	mtDNA/STRs	R
195B	Colette MacDonald	Paraffin block	mtDNA/STRs	C
195E	Colette MacDonald	Paraffin block	STRs	R
195J	Colette MacDonald	Paraffin block	STRs	R
195N	Colette MacDonald	Paraffin block	STRs	R
196A	Kimberley MacDonald	Paraffin block	mtDNA/STRs	C
196E	Kimberley MacDonald	Paraffin block	mtDNA/STRs	C
196G	Kimberley MacDonald	Paraffin block	STRs	R
197A	Kristen MacDonald	Paraffin block	mtDNA/STRs	R
197C	Kristen MacDonald	Paraffin block	STRs	C
197E	Kristen MacDonald	Paraffin block	mtDNA/STRs	R
198A	Gregory Mitchell	Paraffin block	mtDNA/STRs	R
199A	Jeffrey MacDonald	Blood	mtDNA/STRs	R

Pursuant to the court order dated March 26, 1999, all specimens will be returned to the submitting agencies, unless the specimen was consumed during testing.

## Disposition of evidence codes

S: Stored at AFDIL

C: Evidence consumed in testing process

R: Evidence to be returned to submitting agency

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## Appendix 2: STR Results

LOCUS	46A Hair Root E-211, Q125	98A Hair Root E-3, Q100.1	195A Paraffin Block Colette MacDonald	195E Paraffin Block Colette MacDonald	195J Paraffin Block Colette MacDonald
D3S1358	15,18	15,18	15,18	15,18	15,18
TH01	9,3,---	9,3,---	INS	INS	NR
D21S11	31,2,32	31,2,32	INS	INS	NR
D18S51	13,19	INS	NR	NR	NR
PENTA E	INS	INS	NR	NR	NR
D5S818	9,12	9,12	9,12	9,12	9,12
D13S317	10,12	10,12	10,12	10,12	NR
D7S820	9,10	9,10	NR	INS	NR
D16S539	11,12	INS	NR	INS	NR
CSF1PO	11,12	INS	NR	NR	NR
PENTA D	INS	INS	NR	NR	NR
Amelogenin	X,---	X,---	X,---	X,---	X,---
DWA	16,---	16,---	16,---	16,---	16,---
D8S1179	13,---	13,---	INS	INS	NR
TPOX	10,11	10,11	NR	NR	NR
FGA	22,24	22,24	NR	NR	NR
Probability in the African American Population	1 in 320 quintillion	1 in 45.8 quadrillion	1 in 1.73 million	1 in 1.73 million	1 in 30.0 thousand
Probability in the Asian Population	1 in 736 quadrillion	1 in 128 trillion	1 in 255 thousand	1 in 255 thousand	1 in 14.7 thousand
Probability in the Caucasian Population	1 in 292 quadrillion	1 in 114 trillion	1 in 288 thousand	1 in 288 thousand	1 in 8.70 thousand
Probability in the Hispanic Population	1 in 2.95 quintillion	1 in 485 trillion	1 in 176 thousand	1 in 176 thousand	1 in 4.29 thousand

INS = Insufficient data to render a conclusion

NR = No results obtained

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**Appendix 2 Continued:**

## STR Results:

LOCUS	196A Paraffin Block Kimberley MacDonald	196G Paraffin Block Kimberley MacDonald
D3S1358	NR	INS
TH01	NR	NR
D21S11	NR	NR
D18S51	NR	NR
PENTA E	NR	NR
D5S818	NR	11,12
D13S317	NR	INS
D7S820	NR	NR
D16S539	NR	NR
CSF1PO	NR	NR
PENTA D	NR	NR
Amelogenin	NR	X,---
vWA	14,16	INS
D8S1179	NR	NR
TPOX	NR	NR
FGA	NR	NR

INS = Insufficient data to render a conclusion

NR = No results obtained

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## Appendix 2 Continued:

## STR Results:

LOCUS	197A Paraffin Block Kristen MacDonald	197C Paraffin Block Kristen MacDonald	197E Paraffin Block Kristen MacDonald
D3S1358	16,18	NR	16,18
TH01	NR	NR	INS
D21S11	NR	NR	NR
D18S51	NR	NR	NR
PENTA E	NR	NR	NR
D5S818	9,11	INS	9,11
D13S317	NR	NR	NR
D7S820	NR	NR	NR
D16S539	NR	NR	NR
CSF1PO	NR	NR	NR
PENTA D	NR	NR	NR
Amelogenin	X,---	INS	X,---
vWA	14,16	INS	14,16
D8S1179	NR	NR	NR
TPOX	NR	NR	NR
FGA	NR	NR	NR

INS = Insufficient data to render a conclusion

NR = No results obtained

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## Appendix 2 Continued:

## STR Results:

LOCUS	05A Hairs with roots Helena Stoeckley	198A Paraffin Block Gregory Mitchell	199A Blood Jeffrey MacDonald
D3S1358	INS	14,16	14,16
TH01	INS	9,9.3	8,9.3
D21S11	INS	INS	30.2,31
D18S51	NR	NR	12,17
PENTA E	INS	NR	7,---
D5S818	INS	12,13	11,---
D13S317	INS	11,12	9,13
D7S820	NR	8,10	8,9
D16S539	NR	INS	7,12
CSF1PO	NR	NR	12,---
PENTA D	NR	NR	9,---
Amelogenin	X,---	X,Y	X,Y
vWA	NR	16,19	14,---
D8S1179	NR	INS	10,14
TPOX	NR	NR	8,11
FGA	NR	NR	20,24

INS = Insufficient data to render a conclusion

NR = No results obtained

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**Appendix 3:**

The following samples yielded mtDNA sequences consistent with one another (Group A):

CID No., FBI No.	<b>E-211, Q125</b>	CID No., FBI No.	<b>E-4, Q118</b>
AFDIL Sample No.	46A	AFDIL Sample No.	52A
Specimen:	Hair	Specimen:	Hair
Confirmed Regions:	16024-16391 57-369	Confirmed Regions:	16024-16138; 16210-16390 57-357
16127	N	121	G-A
121	G-A	263	A-G
263	A-G	315.1	C
315.1	C		

CID No., FBI No.	<b>E-303, Q79</b>	CID No., FBI No.	<b>E-303, Q79</b>
AFDIL Sample No.	71A(1)	AFDIL Sample No.	71A(3)
Specimen:	Vial Contents	Specimen:	Vial Contents
Confirmed Regions:	16024-16302 57-369	Confirmed Regions:	16132-16391 57-135;169-369
121	G-A	121	G-A
263	A-G	263	A-G
315.1	C	315.1	C

CID No., FBI No.	<b>E-3, Q100</b>	CID No., FBI No.	<b>E-3, Q100.1</b>
AFDIL Sample No.	97A(1)	AFDIL Sample No.	98A
Specimen:	Vial Contents	Specimen:	Hair
Confirmed Regions:	16024-16391 35-369	Confirmed Regions:	16024-16391 57-369
121	G-A	121	G-A
263	A-G	263	A-G
315.1	C	315.1	C

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**Appendix 3 Continued:**

The following samples yielded mtDNA sequences consistent with one another (Group A) continued:

CID No., FBI No. AFDIL Sample No. Specimen: Confirmed Regions:	<b>E-205, Q89</b> 101A(1) Vial Contents 16132-16302 57-273	CID No., FBI No. AFDIL Sample No. Specimen: Confirmed Regions:	<b>E-205, Q89</b> 101A(2) Vial Contents 16024-16391 35-369
16264 N 121 G-A 263 A-G		121 G-A 263 A-G 315.1 C	
CID No., FBI No. AFDIL Sample No. Specimen: Confirmed Regions:	<b>E-301, Q78</b> 104A(2) Hair 16024-16390 57-369	CID No., FBI No. AFDIL Sample No. Specimen: Confirmed Regions:	<b>D-229, Q96.4</b> 112A(4) Hair 16210-16302 57-135; 169-273
121 G-A 263 A-G 280 N 315.1 C 343 N 345 N		121 G-A 263 A-G	
CID No., FBI No. AFDIL Sample No. Specimen: Confirmed Regions:	<b>D-229, Q96.5</b> 112A(5) Hair 16024-16302 57-135; 169-273	CID No., FBI No. AFDIL Sample No. Specimen: Confirmed Regions:	<b>D-229, Q96.7</b> 112A(7) Hair 57-135 169-273
121 G-A 171 N 263 A-G		121 G-A 263 A-G	

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**Appendix 3 Continued:**

The following samples yielded mtDNA sequences consistent with one another (Group A) continued:

CID No., FBI No.	<b>D-229, Q96.9</b>	Reference	<b>Colette MacDonald</b>
AFDIL Sample No.	112A(9)	AFDIL Sample No.	195A/195B
Specimen:	Hair	Specimen:	Paraffin Block
Confirmed Regions:	16132-16302	Confirmed Regions:	16024-16391 57-369

No Polymorphisms	121	G-A
	263	A-G
	315.1	C

Reference	<b>Kimberley MacDonald</b>	Reference	<b>Kristen MacDonald</b>
AFDIL Sample No.	196A/196E2	AFDIL Sample No.	197A/197E
Specimen:	Paraffin Block	Specimen:	Paraffin Block
Confirmed Regions:	16024-16391 57-369	Confirmed Regions:	16024-16391 57-369

121	G-A	121	G-A
263	A-G	263	A-G
315.1	C	315.1	C

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Appendix 3 Continued:

Mitochondrial DNA Database Search results for Group A:

Specimen	AFDIL Spec. No.	No. Bases <sup>a</sup>	Number of Observations <sup>b</sup>														Total n=4839	
			AFAM n=1148	AFSL n=109	AFEG n=75	CAUC n=1655	HIS n=686	JPN n=163	KOR n=182	THAI n=52	CHN/TAI n=329	NAV n=146	APA n=180	GUAM n=87	IND n=19	PAK n=8		
E-211, Q125 Hair	46A	681	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E-4, Q118 Hair	52A	598	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E-303, Q79 Vial Contents	71A(1)	593	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E-303, Q79 Vial Contents	71A(3)	541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E-3, Q100 Vial Contents	97A(1)	704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E-3, Q100.1 Hair	98A	682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E-205, Q89 Vial Contents	101A(1)	387	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E-205, Q89 Vial Contents	101A(2)	704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> number of bases of sequence information obtained from the PCR products of DNA extracted from the specimen (Standard Hypervariable Regions one and two consist of approximately 610 bases)  
<sup>b</sup> number of occurrences of specimen sequence information when compared to a database of unrelated individuals in a specific population

Refer to Interpretation Key for detailed information about the table.

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## Appendix 3 Continued:

Mitochondrial DNA Database Search results for Group A continued:

Specimen	AFDIL Spec. No.	No. Bases <sup>a</sup>	Number of Observations <sup>b</sup>													Total n=4839		
			AFAM n=1148	AFSL n=109	AFEG n=75	CAUC n=1655	HIS n=686	JPN n=163	KOR n=182	THAI n=52	CHN/TAI n=329	NAV n=146	APA n=180	GUAM n=87	IND n=19		PAK n=6	
E-301, Q78 Hair	104A(2)	678	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D-229, Q96.4 Hair	112A(4)	277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D-229, Q96.5 Hair	112A(5)	462	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D-229, Q96.7 Hair	112A(7)	184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D-229, Q96.9 Hair	112A(9)	171	21	0	7	551	25	1	1	2	5	0	1	0	1	0	0	615
Colette MacDonald Paraffin Blocks	195A/195B	682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kimberley MacDonald Paraffin Blocks	196A/196E2	682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kristen MacDonald Paraffin Blocks	197A/197E	682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> number of bases of sequence information obtained from the PCR products of DNA extracted from the specimen (Standard Hypervariable Regions one and two consist of approximately 610 bases)

<sup>b</sup> number of occurrences of specimen sequence information when compared to a database of unrelated individuals in a specific population

Refer to Interpretation Key for detailed information about the table.

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Appendix 3 Continued:

The following samples yielded mtDNA sequences consistent with one another (Group B):

CID No., FBI No.	<b>E-5, Q119</b>	CID No., FBI No.	<b>E-52NB, Q87</b>
AFDIL Sample No.	51A(2)	AFDIL Sample No.	58A(2)
Specimen:	Hair	Specimen:	Hair
Confirmed Regions:	16024-16365 133-340	Confirmed Regions:	16024-16390 57-273
16193	C-T	16193	C-T
16219	A-G	16219	A-G
16362	T-C	16362	T-C
152	T-C	152	T-C
204	T-C	204	T-C
239	T-C	239	T-C
263	A-G	263	A-G
309.1	C		
315.1	C		
326	N		
334	N		

CID No., FBI No.	<b>D-229, Q96.3</b>	Reference	<b>Jeffrey MacDonald</b>
AFDIL Sample No.	112A(3)	AFDIL Sample No.	199A
Specimen:	Hair	Specimen:	Blood
Confirmed Regions:	16132-16390 57-273	Confirmed Regions:	16024-16569 1-576
16193	C-T	16193	C-T
16219	A-G	16219	A-G
16362	T-C	16362	T-C
152	T-C	16482	A-G
204	T-C	152	T-C
239	T-C	204	T-C
263	A-G	239	T-C
		263	A-G
		309.1	C
		315.1	C

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Appendix 3 Continued:

Mitochondrial DNA Database Search results for Group B:

Specimen	AFDIL Spec. No.	No. Bases <sup>a</sup>	Number of Observations <sup>b</sup>														Total n=4839		
			AFAM n=1148	AFSL n=109	AFEG n=75	CAUC n=1655	HIS n=686	JPN n=163	KOR n=182	THAI n=52	CHN/TAI n=329	NAV n=146	APA n=188	GUAM n=87	IND n=19	PAK n=8			
E-5, Q119 Hair	51A(2)	551	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E-52NB, Q87 Hair	58A(2)	584	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q229, Q96.3 Hair	112A(3)	476	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jeffrey MacDonald Blood	199A	1124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> number of bases of sequence information obtained from the PCR products of DNA extracted from the specimen (Standard Hypervariable Regions one and two consist of approximately 610 bases)

<sup>b</sup> number of occurrences of specimen sequence information when compared to a database of unrelated individuals in a specific population

Refer to Interpretation Key for detailed information about the table.

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Appendix 3 Continued:

CID No., FBI No. E-52NB, Q87  
 AFDIL Sample No. 58A(1)  
 Specimen: Hair  
 Confirmed Regions: 16024-16390  
 57-369

16124 T-C  
 16223 C-T  
 73 A-G  
 189 A-G  
 195 T-C  
 309.1 C  
 315.1 C

Specimen	AFDIL Spec. No.	No. Bases <sup>a</sup>	Number of Observations <sup>b</sup>														Total n=4839	
			AFAM n=1148	AFSL n=109	AFEG n=75	CAUC n=1655	HIS n=686	JPN n=163	KOR n=182	THAI n=52	CHN/TAI n=329	NAV n=146	APA n=180	GUAM n=87	IND n=19	PAK n=8		
E-52NB, Q87 Hair	58A(1)	682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> number of bases of sequence information obtained from the PCR products of DNA extracted from the specimen (Standard Hypervariable Regions one and two consist of approximately 610 bases)

<sup>b</sup> number of occurrences of specimen sequence information when compared to a database of unrelated individuals in a specific population

Refer to Interpretation Key for detailed information about the table.



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**Appendix 3 Continued:**

CID No., FBI No. **E-303, Q79**  
 AFDIL Sample No. 75A  
 Specimen: Hair  
 Confirmed Regions: 16024-16390  
 57-369

16189 T-C  
 16192 C-T  
 16270 C-T  
 73 A-G  
 150 C-T  
 263 A-G  
 315.1 C

Specimen	AFDIL Spec. No.	No. Bases <sup>a</sup>	Number of Observations <sup>b</sup>													Total n=4839		
			AFAM n=1148	AFSL n=109	AFEG n=75	CAUC n=1655	HIS n=684	JPN n=163	KOR n=182	THAI n=52	CHN/TAI n=329	NAV n=146	APA n=180	GUAM n=87	IND n=19		PAK n=8	
E-303, Q79 Hair	75A	681	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	5

<sup>a</sup> number of bases of sequence information obtained from the PCR products of DNA extracted from the specimen (Standard Hypervariable Regions one and two consist of approximately 610 bases)

<sup>b</sup> number of occurrences of specimen sequence information when compared to a database of unrelated individuals in a specific population

Refer to Interpretation Key for detailed information about the table.

AFMES-DNA

SUBJECT: Consultation Report

AFIP Accession Number 3004951-00

AFDIL Case No. 1999C0438

No. 75-26-CR-3

No. 90-104-CIV-3-F

MAR 10 2006

Appendix 3 Continued:

CID No., FBI No. D-237, Q137  
 AFDIL Sample No. 91A  
 Specimen: Hair  
 Confirmed Regions: 16024-16391  
 133-369

16129 G-A  
 16224 T-C  
 16311 T-C  
 16320 C-T  
 146 T-C  
 152 T-C  
 263 A-G  
 315.1 C

Specimen	AFDIL Spec. No.	No. Bases <sup>a</sup>	Number of Observations <sup>b</sup>														Total n=4839	
			AFAM n=1148	AFSL n=109	AFEG n=75	CAUC n=1655	HIS n=686	JPN n=163	NOR n=182	THAI n=52	CRN/TAI n=329	NAV n=146	APA n=180	GUAM n=87	IND n=19	PAK n=8		
D-237, Q137 Hair	91A	606	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> number of bases of sequence information obtained from the PCR products of DNA extracted from the specimen (Standard Hypervariable Regions one and two consist of approximately 610 bases)

<sup>b</sup> number of occurrences of specimen sequence information when compared to a database of unrelated individuals in a specific population

Refer to Interpretation Key for detailed information about the table.

AFMES-DNA

SUBJECT: Consultation Report  
 AFIP Accession Number 3004951-00  
 AFDIL Case No. 1999C0438  
 No. 75-26-CR-3  
 No. 90-104-CIV-3-F

MAR 10 2006

Appendix 3 Continued:

Reference **Helena Stoeckley**  
 AFDIL Sample No. 05A  
 Specimen: Hair  
 Confirmed Regions: 16024-16391  
 57-347

16080 A-G  
 16183 A-C  
 16189 T-C  
 16356 T-C  
 263 A-G  
 282 T-C  
 309.1 C  
 309.2 C  
 315.1 C

Specimen	AFDIL Spec. No.	No. Bases <sup>a</sup>	Number of Observations <sup>b</sup>													Total n=4839	
			AFAM n=1148	AFSL n=109	AFEC n=75	CAUC n=1655	HIS n=686	JPN n=163	KOR n=182	THAI n=52	CHN/TAI n=329	NAV n=146	APA n=180	GUAM n=87	IND n=19		PAK n=8
Helena Stoeckley Hair	05A	662	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> number of bases of sequence information obtained from the PCR products of DNA extracted from the specimen (Standard Hypervariable Regions one and two consist of approximately 610 bases)  
<sup>b</sup> number of occurrences of specimen sequence information when compared to a database of unrelated individuals in a specific population

Refer to Interpretation Key for detailed information about the table.

AFMES-DNA

SUBJECT: Consultation Report

AFIP Accession Number 3004951-00

AFDIL Case No. 1999C0438

No. 75-26-CR-3

No. 90-104-CIV-3-F

MAR 10 2006

Appendix 3 Continued:

Reference **Gregory Mitchell**  
 AFDIL Sample No. 198A  
 Specimen: Paraffin Block  
 Confirmed Regions: 16024-16391  
 35-369

16093 N  
 16167 N  
 16209 T-C  
 16223 C-T  
 16311 T-C  
 73 A-G  
 189 A-G  
 200 A-G  
 263 A-G  
 315.1 C

Specimen	AFDIL Spec. No.	No. Bases <sup>a</sup>	Number of Observations <sup>b</sup>														Total n=4839	
			AFAM n=1148	AFSL n=109	AFEG n=75	CAUC n=1655	HIS n=686	JPN n=163	KOR n=182	THAI n=52	CHN/TAI n=329	NAV n=146	APA n=180	GUAM n=67	IND n=19	PAK n=8		
Gregory Mitchell Paraffin Block	198A	702	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> number of bases of sequence information obtained from the PCR products of DNA extracted from the specimen (Standard Hypervariable Regions one and two consist of approximately 610 bases)

<sup>b</sup> number of occurrences of specimen sequence information when compared to a database of unrelated individuals in a specific population

Refer to Interpretation Key for detailed information about the table.

AFMES-DNA

SUBJECT: Consultation Report

AFIP Accession Number 3004951-00

AFDIL Case No. 1999C0438

No. 75-26-CR-3

No. 90-104-CIV-3-F

MAR 10 2006

### INTERPRETATION KEY

DNA is extracted from selected specimens. Multiple copies of a specific region of mitochondrial DNA (mtDNA) are generated using the polymerase chain reaction (PCR). This region is known to have variability within the human population. The predominant base composition (or sequence) is determined using automated DNA sequencing chemistry and gel electrophoresis. The base composition consists of adenine (A), cytosine (C), guanine (G), and thymine (T). Sequence information is analyzed to determine variability when compared to a published standard sequence (Anderson, et al. 1981. *Nature* 290:457-465). The sequence of the submitted evidentiary material is compared to the sequence obtained from the reference(s).

1. The confirmed region refers to the base positions within the mtDNA genome that are reported.
2. The following notations may apply:
  - a. The appropriate letter (e.g. T-C) designates a transition or transversion polymorphism.
  - b. A "D" designates a deletion.
  - c. A number following a decimal point designates an insertion. The specific base insertion is designated by the appropriate letter (e.g. 315.1 C).
  - d. A "N" designates a position that could not be confirmed.
3. The table provides information regarding the number of confirmed bases generated and the number of times each sequence has been observed in the following databases (sequence ranges vary): African American (AFAM), African-Sierra Leone (AFSL), Egyptian (AFEG), Caucasian (CAUC), Hispanic (HIS), Japanese (JPN), Korean (KOR), Thai (THAI), Chinese/Taiwanese (CHN/TAI), Navajo (NAV), Apache (APA), Guam (GUAM), Indian (IND), and Pakistani (PAK).
  - <sup>a</sup> number of bases of sequence information obtained from the PCR products of DNA extracted from the specimen (total sequence consists of approximately 610 bases)
  - <sup>b</sup> number of occurrences of specimen sequence information when compared to a database of unrelated individuals in a specific population

FOR OFFICIAL USE ONLY



4A-25

71-01101-CC



DEPARTMENT OF THE ARMY  
USA CRIMINAL INVESTIGATION LABORATORY  
FORT GORDON, GEORGIA 30905

PRELIMINARY  
LABORATORY REPORT  
NUMBER FA-D-P-C-7P-82-70

UNIT CASE NUMBER  
70-CID023-10198

CONTRIBUTOR: Detachment Commander, Det B, 3d MP Gp (CI)  
Ft Bragg, NC 28307

SUBJECT: Unknown

CONTRIBUTOR: MacDONALD, Mrs. Collette; MacDONALD, Christine;  
MacDONALD, Kimberly

OFFENSE: Murder

DATE RECEIVED	HOW RECEIVED	RECEIVED BY
21 Feb 70	Handcarried by MEDLIN/CHAMBERLAIN	
25 Feb 70	Handcarried by IVORY	CHAMBERLAIN
3 Mar 70	Handcarried by CONNOLLY	McCONNELL
6 Apr 70	HOW RETURNED	

*Report Only # 27294*

- ITEMS EXAMINED:
- Exhibit A - Piece of wood 31" x 1 1/2" x 1 1/2" bearing red-brown and white stains.
  - Exhibit B-1 - Paring knife marked "Old Hickory" bearing red-brown stains.
  - Exhibit B-2 - Paring knife marked "Genova Forge USA" bearing red-brown stains.
  - Exhibit C - Ice pick bearing red-brown stains.
  - Exhibit D-1 - Red-brown stain from south radiator in east bedroom.
  - Exhibit D-1a - Red-brown stain from south radiator in east bedroom.
  - Exhibit D-2 - Red-brown stain near south radiator in east bedroom.
  - Exhibit D-2a - Control area near south radiator in east bedroom.
  - Exhibit D-2R - Red-brown stain near south radiator in east bedroom.
  - Exhibit D-4 - Red-brown stain from southern runner of bed in east bedroom.
  - Exhibit D-4a - Control area from southern runner of bed in east bedroom.
  - Exhibit D-5 - Portion of curtain bearing red-brown stain from south window, in east bedroom.
  - Exhibit D-7 - Red-brown stain from south closet door in east bedroom.
  - Exhibit D-8 - Red-brown stain from south closet door in east bedroom.

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4A-26

77-CID011-0002

LABORATORY REPORT  
PA-D-P-C-7P-82-70

UNIT CASE NUMBER  
70-CID023-10198

- Exhibit D-9 - Red-brown stain from right side of light switch in east bedroom.
- Exhibit D-9a - Control area from right side of light switch in east bedroom.
- Exhibit D-10 - Red-brown stain from bottom south edge of west door jam in east bedroom.
- Exhibit D-10a - Red-brown stain from bottom south edge of west door jam in east bedroom.
- Exhibit D-11 - Red-brown stain from south-west corner of dresser in east bedroom.
- Exhibit D-12 - Portion of lampshade bearing red-brown stain on dresser in east bedroom.
- Exhibit D-13 - Red-brown stain from knife on floor of east bedroom.
- Exhibit D-14 - Red-brown stain from front of dresser in east bedroom.
- Exhibit D-14a - Red-brown stain from front of dresser in east bedroom.
- Exhibit D-15 - Portion of curtain bearing red-brown stains from east window of east bedroom.
- Exhibit D-17 - Red-brown stain from east radiator of east bedroom.
- Exhibit D-18 - Red-brown stain from east wall over north-east corner of headboard of bed in east bedroom.
- Exhibit D-18a - Red-brown stain from east wall over northeast corner of headboard of bed in east bedroom.
- Exhibit D-19 - Sheet bearing red-brown stains from bed in east bedroom.
- Exhibit D-20 - Pillow case bearing red-brown stains from bed in east bedroom.
- Exhibit D-23 - Three wooden splinters bearing red-brown stains and other debris from floor near body outline of east bedroom.
- Exhibit D-25 - Red liquid on rug mat under rug in area of body outline in east bedroom.
- Exhibit D-26 - Red-brown stain on ceiling near light in east bedroom.
- Exhibit D-27 - Red-brown stain on ceiling near light in east bedroom.
- Exhibit D-27E - Red-brown stain on ceiling near light in east bedroom.
- Exhibit D-28 - Red-brown stain on ceiling near light in east bedroom.
- Exhibit D-29 - Red-brown stain from footboard of bed in east bedroom.
- Exhibit D-29a - Control area from footboard of bed in east bedroom.
- Exhibit D-29b - Red-brown stain from footboard of bed in east bedroom.
- Exhibit D-29c - Red-brown stain from footboard of bed in east bedroom.
- Exhibit D-30 - Red-brown stain marked "FIG" on headboard in east bedroom.
- Exhibit D-30a - Control area marked "FIG" on headboard in east bedroom.
- Exhibit D-30b - Red-brown stain marked "FIG" on headboard in east bedroom.
- Exhibit D-31 - Pink tissue bearing red-brown stains at entrance to hall bathroom.
- Exhibit D-33 - Red-brown stain from eyeglasses found on floor of living-room.
- Exhibit D-34 - "Midnight Sun" shampoo box bearing red-brown stains from east bedroom.
- Exhibit D-35 - White plastic hairbrush bearing red-brown stains near body outline in east bedroom.
- Exhibit D-36 - Red-brown stain from step ladder in hall bathroom.

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4A-27

71-CID 011-015

**PRELIMINARY  
LABORATORY REPORT  
NUMBER PA-D-P-C-FP-82-70**

**UNIT CASE NUMBER  
70-CID023-10198**

- Exhibit D-37 - Red-brown stain from stool in hall bathroom.
- Exhibit D-38 - Control area from stool in hall bathroom.
- Exhibit D-39 - Control area from step ladder in hall bathroom.
- Exhibit D-40 - Wicker material bearing red-brown stain from stool in hall bathroom.
- Exhibit D-41 - Red-brown stain from left side of sink in hall bathroom.
- Exhibit D-42 - Control area from left side of sink in hall bathroom.
- Exhibit D-43 - Red-brown stains from front and right side of sink in hall bathroom.
- Exhibit D-44 - Red-brown stains from front and right side of sink in hall bathroom.
- Exhibit D-45 - Red-brown stain from right side of sink in hall bathroom.
- Exhibit D-46 - Red-brown stain from right side of sink in hall bathroom.
- Exhibit D-47 - Control area from right side of sink in hall bathroom.
- Exhibit D-48 - Red-brown stains from faucets of sink in hall bathroom.
- Exhibit D-49 - Pink tissue bearing red-brown stains from sink in hall bathroom.
- Exhibit D-51 - Red-brown stains from above left side of sink on wall in hall bathroom.
- Exhibit D-52 - Red-brown stain from wall close to lower right corner of mirror in hall bathroom.
- Exhibit D-53 - Red-brown stain on south wall by light switch in hall bathroom.
- Exhibit D-54 - Red-brown stain on south top edge of bathtub in hall bathroom.
- Exhibit D-55 - Cloth toilet seat cover bearing red-brown stain from hall bathroom.
- Exhibit D-56 - Red-brown stain from east side of door jam of hall bathroom.
- Exhibit D-57 - Control area from east side of door jam of hall bathroom.
- Exhibit D-58 - Red-brown stain on east door jam of hall bathroom.
- Exhibit D-59 - Red-brown stain on wall close to hall bathroom entrance.
- Exhibit D-61 - Red-brown stain on north hall wall.
- Exhibit D-62 - Red-brown stain on north hall wall.
- Exhibit D-63 - Red-brown stain on north hall wall close to east bedroom.
- Exhibit D-64 - Red-brown stain on north hall wall and east bedroom door jam.
- Exhibit D-65 - Red-brown stain on south door jam of east bedroom.
- Exhibit D-66 - Red-brown stain on south door jam of east bedroom.
- Exhibit D-67 - Red-brown stain on south hall wall.
- Exhibit D-68 - Red-brown stain on south hall wall.
- Exhibit D-69 - Red-brown stain on south hall wall.
- Exhibit D-70 - Red-brown stain on baseboard of south hall wall.
- Exhibit D-71 - Red-brown stain on south hall wall.
- Exhibit D-72 - Red-brown stain on south hall wall.
- Exhibit D-73 - Red-brown stain on baseboard and south hall wall.
- Exhibit D-74 - Red-brown stain on inside of west door jam of south bedroom.

71-CID011-000

4A-28

LABORATORY REPORT  
 NUMBER PA-D-P-C-PP-82-70

UNIT CASE NUMBER  
 70-CID023-10198

- Exhibit D-75 - Red-brown stain on outside of west door jam of south bedroom.
- Exhibit D-76 - Red-brown stain from south hall wall.
- Exhibit D-77 - Red-brown stain from south hall wall.
- Exhibit D-78 - Red-brown stain from south hall wall.
- Exhibit D-79 - Red-brown stain from south hall wall.
- Exhibit D-80 - Red-brown stain from south hall wall.
- Exhibit D-81 - Red-brown stain from south hall wall.
- Exhibit D-82 - Red-brown stain from south hall wall.
- Exhibit D-83 - Red-brown stain from south hall wall.
- Exhibit D-84 - Red-brown stain from north wall of hall.
- Exhibit D-85 - Red-brown stain from high on south hall wall.
- Exhibit D-88 - Red-brown stain on south hall wall.
- Exhibit D-89 - Red-brown stain on south hall wall and baseboard.
- Exhibit D-90 - Red-brown stain on north hall wall.
- Exhibit D-92 - Red-brown stain on north hall wall.
- Exhibit D-93 - Red-brown stain on north hall wall.
- Exhibit D-94 - Red-brown stain on north hall wall.
- Exhibit D-95 - Red-brown stain on north hall wall.
- Exhibit D-98 - Red-brown stain from baseboard of north hall wall.
- Exhibit D-104 - Red-brown stain from west door jam to north bedroom.
- Exhibit D-106 - Red-brown stain from hall baseboard at entrance to bathroom.
- Exhibit D-107 - Red-brown stain from hall baseboard at entrance to bathroom.
- Exhibit D-108 - Red-brown stain from hall baseboard at entrance to bathroom.
- Exhibit D-109 - Red-brown stain from hall baseboard at entrance to bathroom.
- Exhibit D-110 - Red-brown stain from hall baseboard at entrance to bathroom.
- Exhibit D-111 - Red-brown stain from east wall at living room.
- Exhibit D-112 - Red-brown stain from east wall at living room.
- Exhibit D-113 - Red-brown stain from east wall at living room.
- Exhibit D-114 - Red-brown stains from edge of south closet door on east hall wall.
- Exhibit D-118 - Wooden splinter bearing red-brown stain and debris off of north pillow from bed in south bedroom.
- Exhibit D-121 - North pillow and cover bearing red-brown stains from bed in south bedroom.
- Exhibit D-122 - South pillow and cover bearing red-brown stains from bed in south bedroom.
- Exhibit D-123 - Purple bed cover bearing red-brown stains from bed in south bedroom.
- Exhibit D-124 - Quilt bearing red-brown stains from bed in south bedroom.
- Exhibit D-125 - Purple blanket bearing red-brown stains from bed in south bedroom.

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71-CID011-0015

PRELIMINARY  
LABORATORY REPORT  
NUMBER PA-D-P-C-PP-82-70

UNIT CASE NUMBER  
70-CID023-10198

- Exhibit D-126 - Top sheet bearing red-brown stains from bed in south bedroom.
- Exhibit D-127 - Bottom sheet bearing red-brown stains from bed in south bedroom.
- Exhibit D-128 - Portion of collar bearing red-brown stains from bed in south bedroom.
- Exhibit D-129 - Bed mat bearing red-brown stains from bed in south bedroom.
- Exhibit D-130 - Red-brown stain on headboard of bed in south bedroom.
- Exhibit D-132 - Red-brown stain on west wall of south bedroom.
- Exhibit D-133 - Red-brown stain on west wall of south bedroom.
- Exhibit D-134 - Red-brown stain on north wall of south bedroom.
- Exhibit D-135 - Red-brown stain on north wall of south bedroom.
- Exhibit D-137 - Red-brown stain on north wall of south bedroom.
- Exhibit D-138 - Red-brown stain on west picture of clown on north wall of south bedroom.
- Exhibit D-139 - Cloth doll bearing red-brown stain from south bedroom.
- Exhibit D-140 - Red-brown stain on west wall above north closet door at east bedroom.
- Exhibit D-141 - Red-brown stains on south closet door of east bedroom.
- Exhibit D-142 - Portion of mattress, southeast corner, bearing red-brown stains from bed in south bedroom.
- Exhibit D-143 - Portion of mattress, middle end of bed in south bedroom.
- Exhibit D-144 - Portion of hall floor at west entrance bearing red-brown stains.
- Exhibit D-145 - Portion of hall floor bearing red-brown stains.
- Exhibit D-146 - Portion of hall floor near south bedroom bearing red-brown stains.
- Exhibit D-147 - Portion of hall floor near south bedroom bearing red-brown stains.
- Exhibit D-148 - Portion of hall floor near south bedroom bearing red-brown stains.
- Exhibit D-149 - Portion of hall floor near south bedroom bearing red-brown stains.
- Exhibit D-150 - Portion of hall floor between bathroom and south bedroom bearing red-brown stains.
- Exhibit D-151 - Portion of hall floor between bathroom and south bedroom bearing red-brown stains.
- Exhibit D-152 - Portion of hall floor in front of bathroom bearing red-brown stains.
- Exhibit D-153 - Portion of hall floor in front of bathroom bearing red-brown stains.
- Exhibit D-154 - Portion of hall floor in front of bathroom bearing red-brown stains.
- Exhibit D-155 - Portion of hall floor between east bedroom and bathroom bearing red-brown stains.
- Exhibit D-156 - Portion of hall floor near entrance to east bedroom bearing red-brown stains.

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71-CIC011-0015

4A-30

PRELIMINARY  
LABORATORY REPORT  
NUMBER PA-D-P-C-PP-82-70

UNIT CASE NUMBER  
70-CID023-10198

- Exhibit D-157 - Portion of hall floor near entrance to east bedroom bearing red-brown stains.
- Exhibit D-158 - Portion of hall floor near entrance to east bedroom bearing red-brown stains.
- Exhibit D-159 - Upholstry from green chair in east bedroom bearing red-brown stains.
- Exhibit D-161 - Portion of floor bearing red-brown stains from under living room window.
- Exhibit D-163 - Portion of floor at entrance to kitchen bearing red-brown stains.
- Exhibit D-165 - Portion of floor at entrance to kitchen bearing red-brown stains.
- Exhibit D-207A - Portion of rug bearing red-brown stains from master bedroom. (east bedroom)
- Exhibit D-207B - Portion of rug bearing red-brown stains from entrance to master bedroom. (east bedroom)
- Exhibit D-207C - Portion of rug bearing red-brown stains from master bedroom. (east bedroom)
- Exhibit D-208 - Clothing bearing red-brown stains from Kimberly MacDonald.
- Exhibit D-209 - Clothing bearing red-brown stains from Collette MacDonald.
- Exhibit D-210 - Blue pajama top bearing red-brown stains.
- Exhibit D-211 - Blue sheet bearing red-brown stains from floor of east bedroom.
- Exhibit D-212 - Clothing bearing red-brown stains from Christine MacDonald.
- Exhibit D-214 - Bath mat bearing red-brown stains from body of Collette MacDonald.
- Exhibit D-215 - Portion of north bedroom floor bearing red-brown stains (footprint) marked Q thru Z.
- Exhibit D-216 - Portion of north bedroom floor bearing red-brown stains (footprint) marked 9 thru 16.
- Exhibit D-217 - Portion of hall floor bearing red-brown stains (footprint) marked P thru K.
- Exhibit D-218 - Picture bearing red-brown stain from living room floor.
- Exhibit D-219 - Blue girl's coat bearing red-brown stains.
- Exhibit D-220 - Purple-brown quilt bearing red-brown stain.
- Exhibit D-221 - Terry cloth robe bearing red-brown stains.
- Exhibit D-222 - Pot holder bearing red-brown stains.
- Exhibit D-223 - Top of toilet tank bearing red-brown stains.
- Exhibit D-224 - Two bottles containing liquid from hall bathroom sink trap.
- Exhibit D-225 - Poncho bearing red-brown stains.
- Exhibit D-227 - Green-blue-yellow throw rug bearing red-brown stains from east bedroom.
- Exhibit D-228 - Pair of shoes bearing red-brown stains from east bedroom.
- Exhibit D-229 - Multicolored bed spread bearing red-brown stains from east bedroom.

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73-CID017-001

PRELIMINARY  
LABORATORY REPORT  
NUMBER 2A-D-P-C-PP-82-70

UNIT CASE NUMBER  
70-CID023-10198

- Exhibit D-230 - Pillow bearing red-brown stains from hospital.  
 Exhibit D-231 - Pillow cover bearing red-brown stains from hospital.  
 Exhibit D-232 - Blue material, apparently pajama pocket, bearing red-brown stains.  
 Exhibit D-233 - Fingernail scrapings from left hand of Collette MacDonald.  
 Exhibit D-234 - Fingernail scrapings from right hand of Collette MacDonald.  
 Exhibit D-235 - Fingernail scrapings from right hand of Kimberly MacDonald.  
 Exhibit D-236 - Fingernail scrapings from left hand of Kimberly MacDonald.  
 Exhibit D-237 - Fingernail scrapings from left hand of Christine MacDonald.  
 Exhibit D-238 - Fingernail scrapings from right hand of Christine MacDonald.  
 Exhibit D-239 - Fingernail scrapings from Captain MacDonald.  
 Exhibit D-256 - Debris from Collette MacDonald's hands, including red crusts.  
 Exhibit D-1K - Red-brown stain from north door frame of kitchen.  
 Exhibit D-2K - Red-brown stain from north door frame of kitchen.  
 Exhibit D-3K - Red-brown stain from south door frame of kitchen.  
 Exhibit D-4K - Red-brown stain from wall at south side of kitchen door frame.  
 Exhibit D-5K - Red-brown stain from upper center of refrigerator in kitchen.  
 Exhibit D-6K - Red-brown stain above handle of refrigerator in kitchen.  
 Exhibit D-7K - Red-brown stain by handle of refrigerator in kitchen.  
 Exhibit D-8K - Red-brown stain from lower east side of refrigerator door in kitchen.  
 Exhibit D-9K - Red-brown stain from kitchen floor by northeast corner of refrigerator.  
 Exhibit D-10K - Red-brown stain from lower left sink cabinet door in kitchen.  
 Exhibit D-11K - Red-brown stain from sink cabinet above left middle cabinet door of kitchen.  
 Exhibit D-12K - Red-brown stain from upper left sink cabinet drawer in kitchen.  
 Exhibit D-13K - Red-brown stain from upper left sink cabinet drawer by handle in kitchen.  
 Exhibit D-14K - Red-brown stain from left front of utility cabinet to right of kitchen sink.  
 Exhibit D-15K - Red-brown stain from door of utility cabinet to the right of sink and right of cabinet handle in kitchen.  
 Exhibit D-16K - Red-brown stain from door of utility cabinet to right of sink above handle in kitchen.  
 Exhibit D-17K - Red-brown stain from door of utility cabinet to right of sink above and to right of handle in kitchen.  
 Exhibit D-18K - Red-brown stain from east side of clothes washer in kitchen.  
 Exhibit D-19K - Red-brown stain from east side of clothes washer in kitchen.  
 Exhibit D-20K - Red-brown stain from upper west corner of north kitchen door.  
 Exhibit D-21K - Red-brown stain from bottom center of north kitchen door.

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4A-32

71-CID011-0015

PRELIMINARY  
LABORATORY REPORT  
NUMBER FA-D-P-C-PP-82-70

UNIT CASE NUMBER  
70-CID023-10198

- Exhibit D-22K - Red-brown stain on kitchen floor, 1'4½" northeast of northwest corner of refrigerator.
- Exhibit D-23K - Red-brown stain on kitchen floor, 8' southwest of north corner of kitchen.
- Exhibit D-24K - Red-brown stain on kitchen floor, 3'4½" northeast of northwest corner of stove.
- Exhibit D-25K - Red-brown stains on kitchen floor, 1'9" north of northwest corner of stove.
- Exhibit D-26K - Red-brown stain on kitchen floor, 2'6" north of south wall and 2" east of sink cabinet.
- Exhibit D-27K - Red-brown stain on west side of clothes washer in kitchen.
- Exhibit D-28K - Red-brown stain from "Taxy Liquid Soap" container by sink in kitchen.
- Exhibit D-29K - Red-brown stain from heater on east wall of kitchen.
- Exhibit D-30K - Control area from south wall of kitchen.
- Exhibit D-31K - Control area from sink cabinet in kitchen.
- Exhibit D-32K - Control area from kitchen floor, south of north door.
- Exhibit D-33K (1 & 2) - 2 rubber gloves bearing red-brown stains from kitchen.
- Exhibit D-34K (1-3) - 3 cloth gloves bearing red-brown stains from kitchen.
- Exhibit D-36NB - Green yarn bearing red-brown stains from rug in north bedroom.
- Exhibit D-37NB - Green throw rug bearing red-brown stains from north bedroom.
- Exhibit D-40NB - Plastic Santa Claus bearing red-brown stains from north bedroom.
- Exhibit D-41NB - Blue doll bearing red-brown stains from north bedroom.
- Exhibit D-42NB - Doll shirt bearing red-brown stains from north bedroom.
- Exhibit D-43NB - Stuffed dog bearing red-brown stains from north bedroom.
- Exhibit D-48NB - Red-brown stains from floor near east side of bed from north bedroom.
- Exhibit D-49NB - Red-brown stains from floor near east side of bed from north bedroom.
- Exhibit D-50NB - Red-brown stains from floor near east side of bed from north bedroom.
- Exhibit D-53NB - Plastic baby bottle bearing red-brown stains from north bedroom.
- Exhibit D-56NB - Green bedspread bearing red-brown stains on bed from north bedroom.
- Exhibit D-58NB - Pink blanket from bed in north bedroom.
- Exhibit D-60NB - Top sheet bearing red-brown stains from bed of north bedroom.
- Exhibit D-62NB - Pillow with cover bearing red-brown stains from bed of north bedroom.
- Exhibit D-64NB - Bottom sheet of bed bearing red-brown stains from bed of north bedroom.
- Exhibit D-65NB - Red-brown stain from plastic sheet on upper mattress in north bedroom.

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71-CID011-001

PRELIMINARY  
LABORATORY REPORT  
NUMBER PA-D-P-C-PP-82-70

UNIT CASE NUMBER  
70-CID023-10198

- Exhibit D-66NB - Plastic sheet bearing red-brown stains from upper mattress in north bedroom.
- Exhibit D-67NB - Portion of plastic sheet bearing red-brown stains on lower mattress in north bedroom.
- Exhibit D-68NB - Red-brown stains from plastic sheet on lower mattress in north bedroom.
- Exhibit D-69NB - Red-brown stain from west wall of north bedroom.
- Exhibit D-70NB - Red-brown stain from west wall of north bedroom.
- Exhibit D-71NB - Red-brown stain from west wall of north bedroom.
- Exhibit D-72NB - Portion of curtain bearing red-brown stain from window in north bedroom.
- Exhibit E-1 - Debris from rug in front of sofa in living room.
- Exhibit E-2 - Debris from rug at front, near end of sofa in living room.
- Exhibit E-3 - Debris from mouth area of Collette MacDonald.
- Exhibit E-4 - Debris from right hand of Collette MacDonald.
- Exhibit E-5 - Debris from left hand of Collette MacDonald.
- Exhibit E-6 - Debris from fracture site of right forearm of Collette MacDonald.
- Exhibit E-7 - Hair like substance from cage over armchair in east bedroom.
- Exhibit E-8 - Hairbrush containing hairs from dresser in east bedroom.
- Exhibit E-9 - Hair samples from clothing in north bedroom closet.
- Exhibit E-10 - Hair samples from dress on chair in south bedroom.
- Exhibit E-11 - Hair samples from yellow coat in closet of south bedroom.
- Exhibit E-12 - Hair samples from pillow in south bedroom closet.
- Exhibit E-13 - Hair samples from blue coat on hook in south bedroom.
- Exhibit E-14 - Debris from anterior pelvic region of Christine MacDonald.
- Exhibit E-15 - Hair samples from blue dress on hook in north bedroom closet.
- Exhibit E-16 - Fibres from underside of throw rug in east bedroom.
- Exhibit E-19a - Debris from sheet on bed in east bedroom.
- Exhibit E-20a - Debris from pillow case on bed in east bedroom.
- Exhibit E-22 - Hairs under pillow on bed in east bedroom.
- Exhibit E-24 - Debris from inside body outline of Collette MacDonald in east bedroom.
- Exhibit E-32 - Debris from hallway near stairs.
- Exhibit E-50 - Hair and debris from hall bathroom sink.
- Exhibit E-116 - Debris from pulled back bedding of bed in south bedroom.
- Exhibit E-117 - Debris from south pillow on bed in south bedroom.
- Exhibit E-119 - Debris from bottom sheet of bed in south bedroom.
- Exhibit E-120 - Debris from under pillows in south bedroom.
- Exhibit E-124 - Debris from quilt from bed in south bedroom.
- Exhibit E-129 - Debris from mattress cover on bed in south bedroom.
- Exhibit E-203 - Paint removed from sidewalk behind MacDonald house.
- Exhibit E-205 - Fibres removed from Exhibit A.
- Exhibit E-206 - Hairs and fibres from inside plastic bag containing Exhibit A.

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71-CID011-015

## EXHIBIT

## INDEX

7A-D-P-C-PP-82-70

UNIT CASE NUMBER  
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- Exhibit E-210 - Hair removed from pajama top of Captain MacDonald.
- Exhibit E-211 - Debris from sheet on floor of east bedroom.
- Exhibit E-511MB - Different colored yarns from east bedroom.
- Exhibit E-52MB - Hairs and fibres from bedspread on bed in north bedroom.
- Exhibit E-56MB - Debris from bedspread on bed in north bedroom.
- Exhibit E-57MB - Debris from pink blanket on bed in north bedroom.
- Exhibit E-59MB - Debris from top sheet of bed in north bedroom.
- Exhibit E-61MB - Debris from pillow on bed in north bedroom.
- Exhibit E-63MB - Debris from bottom sheet on bed in north bedroom.
- Exhibit F-1 - Urine sample from Captain MacDonald.
- Exhibit F-2 - Blood sample from Captain MacDonald.
- Exhibit F-60 - Yellow matter from north hall wall.
- Exhibit F-115 - White spots on rug in south bedroom.
- Exhibit F-257 - Vaginal scrapings from Collette MacDonald.
- Exhibit G-131 - Portion of upholstery bearing wax from chair in south bedroom.
- Exhibit G-201 - Wax from coffee table in living room.
- ~~Exhibit I - Powders. *Deleted by Cheryl Edwards*~~
- Exhibit I-3 - Suspected portion of surgical glove bearing red-brown stains from bed in east bedroom.
- Exhibit I-21 - Suspected portion of surgical glove bearing red-brown stains from bedding on floor in east bedroom.
- Exhibit I-213 - Suspected portion of surgical glove bearing red-brown stains from east bedroom.
- Exhibit I-226 - Suspect portion of surgical glove bearing red-brown stains from Collette MacDonald's body.
- Exhibit J - Jewelry box, empty, multi-colored, bearing red-brown stains.
- Exhibit K - Kleenex box, partially filled, "19¢" stamped on end, pink.
- Exhibit L - "Esquire" magazine, dated March 1970, bearing red stain on edge.
- Exhibit M - Cardboard box, empty, entitled: WONDERS OF ANIMAL KINGDOM.
- Exhibit N - White rubber latent lift of latent prints on edge of screen door, NE entrance.
- Exhibit O - Cup, soup, brown with white design.
- Exhibit P - Drinking glass, small w/stem.
- Exhibit Q - Drinking glass, balloon type.
- Exhibit R-1 - Drinking glass, 8 oz.
- Exhibit R-2 - Drinking glass, 8 oz.
- Exhibit S-1 - Saucer, coffee cup type.
- Exhibit S-2 - Saucer, coffee cup type.
- Exhibit T - Plates.
- Exhibit U - Photographs of latent fingerprints, marked for identification by the examiner.
- Exhibit V - Record finger, palm, and foot prints of various persons.
- Exhibit W-1 - Photographs of lettering: PIG on headboard.
- Exhibit W-2 - Notebook, blue, containing handwriting and handprinting, J. MacDonald.

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71-CR011-0715

PRELIMINARY  
LABORATORY REPORT  
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- Exhibit W-3 - Notebook, yellow, containing handwriting and handprinting, C. MacDonald.
- Exhibit W-4 - DA Form 2694, pertaining to Jeffrey R. MacDonald, dtd 9-18-68.
- Exhibit W-5 - Headboard, blond wood, bearing handprinting in suspected blood.
- Exhibit X - Tag, orange paper, over-printed: GLOVES.

Examination and comparison of the questioned handprinting appearing on Exhibit W-5 with the exemplars, Exhibits W-2 thru W-4 resulted in the following conclusions:

- a. The questioned handprinting appearing on Exhibit W-5 was very probably executed by a right handed person utilizing the index and middle fingers of the right hand.
- b. The writers of the exemplars, Exhibits W-2 thru W-4 could neither be eliminated nor identified as having executed the questioned handprinting appearing on Exhibit W-5.

*Keneth William Upham*  
 KENETH WILLIAM UPHAM  
 CW2, USA, ██████████  
 Apprentice Document Examiner

*James Patrick Ryan*  
 JAMES PATRICK RYAN  
 CW4, USA, ██████████  
 Chief, Document Division

2. Examinations of the red-brown stains of Exhibits D-2, D-2R, D-5, D-7, D-15, D-17, D-18, D-18a, D-19, I-21, D-23, D-27, D-27R, D-28, D-30, D-51, D-136, D-141, D-147, D-159, D-209, D-231, D-232, D-69HB, D-70HB, D-207A, D-207C, and D-232 revealed the presence of human blood of the International Blood Group Type A.

3. Examinations of the red-brown stains of Exhibits D-10, D-36, D-40, D-43, D-45, D-114, D-156, D-25K, and D-26K revealed the presence of human blood of the International Blood Group Type B.

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71-CID017-0075

PRELIMINARY  
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- 1. Examinations of the red-brown stains of Exhibits D-212, D-43NB, D-48NB, D-49NB, D-50NB, D-55NB, D-62NB, D-65NB, and D-68NB revealed the presence of human blood of the International Blood Group Type O.
- 2. Examinations of the red-brown stains of Exhibits D-61, D-123, D-126, D-128, D-134, D-145, D-157, D-163, D-208, D-207B, and D-220 revealed the presence of human blood of the International Blood Group Type AB.
- 3. Examinations of the red-brown stains of Exhibit D-210 revealed the presence of human blood of the International Blood Group Types A, B, and AB.
- 4. Examinations of the red-brown stains of Exhibits A, D-56NB, D-66NB, D-165, D-166, and D-214 revealed the presence of human blood of the International Blood Group Types A and AB on each Exhibit.
- 5. Examinations of the red-brown stains of Exhibit D-58NB revealed the presence of human blood of the International Blood Group Types O, A, and AB.
- 6. Examinations of the red-brown stains of Exhibit D-64NB revealed the presence of human blood of the International Blood Group Types A and O.
- 7. Examinations of the red-brown stains of Exhibits <sup>I-3</sup> ~~D-3~~, D-4, D-13, D-20, D-26, D-28, D-74, D-130, D-132, D-137, D-140, D-151, D-152, D-158, D-256, D-71NB and D-72NB revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type A or Type O.
- 8. Examinations of the red-brown stains of Exhibits D-144 and D-153 revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type B or O.
- 9. Examinations of the red-brown stains of Exhibits D-108, D-238, D-53NB, D-57NB, and D-63NB revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type O.
- 10. Examinations of the red-brown stains of Exhibit D-146 revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type AB.
- 11. Examinations of the red-brown stains of Exhibits D-8, D-31, D-49, I-226, and I revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type A or AB.
- 12. Examination of the red-brown stains of Exhibit D-121 revealed the presence of human blood of the International Blood Group Type AB. Further examinations of other human blood stains indicated the International Blood Group Type O. Further examinations of other human blood stains indicated the presence of a mixture of the International Blood Group Types AB and A.

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71-CIC011-0015

PRELIMINARY  
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- 26. Examination of Exhibits D-23, D-123, D-221, D-229, D-237, E-3, E-6, E-16, E-19a, E-20a, E-24, E-32, E-52NB, E-116, D-118, E-119, and E-205 revealed the presence of fibers identical in type, color, denier, twist, and all other physical characteristics to the fibers of the pajama jacket, Exhibit D-210.
- 27. It is the opinion of the examiner that the fibers present in the Exhibits of paragraph 26 could have originated from Exhibit D-210.
- 28. Examination of Exhibits D-209, D-227, D-229, E-3, E-5, E-7, E-19a, E-20a, E-50, E-63NB and E-210 revealed the presence of human head hairs, grossly similar in all physical characteristics to the head hair of Collete MacDonald.
- 29. It is the opinion of the examiner that one or more of the human head hairs present in the Exhibits of paragraph 28 could have originated from the head of Collete MacDonald.
- 30. Examination of Exhibits D-221, D-227, D-229, E-10, E-11, E-13, E-50, E-116, and E-120 revealed the presence of human head hairs, grossly similar in all physical characteristics to the head hair of Kimberly MacDonald.
- 31. It is the opinion of the examiner that one or more of the human head hairs present in the Exhibits of paragraph 30 could have originated from the head of Kimberly MacDonald.
- 32. Examination of Exhibits <sup>D-48NB</sup> ~~D-48~~, D-123, E-8, E-9, E-12, E-56NB, E-57NB, and E-61NB revealed the presence of human head hairs grossly similar in all physical characteristics to the head hair of Christine MacDonald.
- 33. It is the opinion of the examiner that one or more of the human head hairs present in the Exhibits of paragraph 32 could have originated from the head of Christine MacDonald.
- 34. Examination of Exhibits E-5, E-19a, D-23, E-63NB, E-116, <sup>D-118</sup> ~~E-118~~, and E-119 revealed the presence of wood splinters identical in type, color, texture, and all other physical characteristics to the wood of Exhibit A.
- 35. It is the opinion of the examiner that the wood splinters present in the Exhibits of paragraph 34 could have originated from Exhibit A.
- 36. Examination of paint chips removed from Exhibit A found same to be grossly similar in color, texture, and chemical composition to the paint of Exhibit E-203.
- 37. It is the opinion of the examiner that the paint of Exhibit A and the paint of Exhibit E-203 could have a common source of origin.

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71-CID011-01

PRELIMINARY  
LABORATORY REPORT  
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UNIT CASE NUMBER  
70-CID023-10198

Examination of the wax like substance of Exhibits D-123, G-131, and  
found same to be different in chemical composition to the wax from  
in the MacDonald home.

A supplemental report will be rendered upon completion of the remaining  
Exhibits.

*John Barbato*  
JOHN BARBATO  
MPC, [REDACTED]  
[REDACTED]

*Larry L. Glisson*  
LARRY LEONARD FLINT  
SP5, MPC, [REDACTED]  
Chemist

*L. Glisson*  
LARRY LEONARD FLINT, DAC  
[REDACTED]  
[REDACTED]

*Terry Lee Laber*  
TERRY LEE LABER  
SP4, MPC, [REDACTED]  
Chemist

*Edward O. Browning*  
EDWARD O. BROWNING, DAC  
[REDACTED]  
[REDACTED]

*Craig Stanley Chamberlain*  
CRAIG STANLEY CHAMBERLAIN  
SP4, MPC, [REDACTED]  
Chemist

*Boyd Cochran*  
BOYD COCHRAN, DAC  
[REDACTED]-1595  
[REDACTED], Chemistry Division

- 1. Examination of Exhibits A thru C, I, K, M, N, and X did not reveal any  
comparable latent prints.
- 2. Examination of Exhibits L-1 thru L-10 revealed numerous latent prints on  
pages 99 thru 104, 109 thru 116, an advertisement page and back magazine cover.
- 3. Examination of Exhibit J revealed one latent fingerprint and one latent  
palm print suitable for identification.
- 4. Examination of Exhibits B-1 and B-2 revealed three latent fingerprints on  
Exhibit B-1 and one latent print on Exhibit B-2 that are suitable for identi-  
fication.

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PRELIMINARY  
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UNIT CASE NUMBER  
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Examination of Exhibits S-1 and S-2 revealed one latent fingerprint on each exhibit that are suitable for identification.

Examination of Exhibit T revealed one latent fingerprint suitable for identification.

Examination of Exhibits U-1 thru U-7, photographs of latent finger and palm prints, revealed:

- a. Exhibit U-1 - One latent print.
- b. Exhibit U-2 - Three latent fingerprints and three latent palm prints.
- c. Exhibit U-3 - Thirteen latent fingerprints and eleven latent palm prints.
- d. Exhibit U-4 - Three latent fingerprints and three latent palm prints.
- e. Exhibit U-5 - Twelve latent fingerprints and seven latent palm prints.
- f. Exhibit U-6 - Four latent fingerprints and four latent palm prints.
- g. Exhibit U-7 - One latent fingerprint.

Examination of Exhibit W-5, headboard and footboard, revealed one partial latent palm print on the footboard.

Examination of the foot impression on the floor of the north bedroom revealed:

- a. That it was not made by the person whose record footprint is designated Exhibit V-2 (Collete MacDonald).
- b. That it was not made by the person whose record footprint is designated Exhibit V-3 (Ronald Harrison).
- c. Examination continues.

S-1

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71-CID0114 C 15

PRELIMINARY  
LABORATORY REPORT  
NUMBER PA-D-P-C-77-82-70

UNIT CASE NUMBER  
70-CID023-10198

EXAMINER'S NOTE: Comparison of all latent prints with record prints (Exhibits  
V-1 thru V-3) continues with result to be shown in final Laboratory report.

*Richard O. Mellin*  
RICHARD ORVIS MELLIN  
MSG, MPC, [REDACTED]  
Fingerprint Examiner

*Charles Arthur Hanyak*  
CHARLES ARTHUR HANYAK  
CW2, USA, [REDACTED]  
Chief, Fingerprint Division

*Joel L. Lesch*  
JOEL L. LESCH  
Captain, MPC  
Commanding



The following exhibits were processed by chemists at the US Army 31 Lab, Ft Gordon, GA. These chemists were Mrs. Janice S. GLISSON, SPl Terry L. LASER, SPl Larry L. FLINK, and SPl Craig S. CHARSEZLAIN. All "Results" refer to blood type unless otherwise indicated.

NOTE: a. The abbreviations "BRS" and "RRS" mean "bearing red-brown stains" and "red-brown stains", respectively.

b. If a stain has the result an indication of one type only, such as "indicated A", this means that the examiner considers the area type A, but has performed only one of the two complementary blood typing tests (crust test or absorption-elution test)

c. The results of GLISSON'S comparison of Exhibits E-4 and E-5 with Exhibits E-305 thru E-315 are recorded with the results of BROWNING'S analysis, since this deals with hairs.

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S-1

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71-0101-00018

EXHIBIT

DESCRIPTION

RESULTS

EXHIBIT	DESCRIPTION	RESULTS
A(1)	piece of wood 31"x1 1/2"x1 1/2" BRBS and bearing white stains	indicated A
(2)		indicated A
(3)		indicated A
(4)		indicated A
(5)		indicated A
(6)		indicated A
(7)		indicated A
(8)		AB
(9)		indicated blood
B-1(1)	paring knife marked "Old Hickory" BRBS	A
(2)		not blood
B-2	paring knife marked "Genova Forge USA" BRBS	indicated A or O
C(1)	Ice pick BRBS	not blood
(2)		human blood
D-1	RBS from <u>south radiator</u> in east bedroom	A
D-1a	RBS from <u>south radiator</u> in east bedroom	indicated blood
D-2	RBS near <u>south radiator</u> in east bedroom	A
D-2a	Control area near south radiator in east bedroom	(control area)
D-2R	RBS near <u>south radiator</u> in east bedroom	A
D-4	RBS from <u>southern runner</u> of bed in east bedroom	indicated A or O
D-4a	Control area from southern runner of bed in east bedroom	(control area)
D-5	Portion of curtain BRBS from <u>south window</u> in east bedroom	A
D-7	RBS from <u>south closet door</u> in east bedroom	A
D-8	RBS from <u>south closet door</u> in east bedroom	indicated A or AB
D-9	RBS from <u>right side of light switch</u> in east bedroom	indicated blood

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EXHIBIT

DESCRIPTION

RESULTS

EXHIBIT	DESCRIPTION	RESULTS
D-9a	Control area from right side of light switch in east bedroom	(control area)
D-10	RBS from bottom south edge of west door jam in east bedroom	B
D-10a	RBS from bottom south edge of west door jam in east bedroom	Indicated blood
D-11	RBS from southwest corner of dresser in east bedroom	Indicated blood
D-12	Portion of lampshade BRBS on dresser in east bedroom	Indicated blood
D-13	RBS from knife on floor of east bedroom	Indicated A or O
D-14	RBS from front of dresser in east bedroom	human blood
D-14a	RBS from front of dresser in east bedroom	Indicated blood
D-15	Portion of curtain BRBS from east window of east bedroom	A
D-17	RBS from east radiator of east bedroom	A
D-18	RBS from east wall over northeast corner of headboard of bed in east bedroom	A
D-18a	RBS from east wall over northeast corner of headboard of bed in east bedroom	A
D-19(1) (2-9)	Sheet BRBS from bed in east bedroom	A, urine stains, no semen indicated A
D-20	Pillow case BRBS from bed in east bedroom	Indicated A or O

D1-CLUB-1-0-02

71-CID011-00C15

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EXHIBIT

DESCRIPTION

RESULTS

EXHIBIT	DESCRIPTION	RESULTS
D-23a (1)	Three wooden splinters RBS and other debris from floor near body outline of east bedroom.	A
(2)		Indicated A
(3)		Indicated A
(4)		Indicated A
D-25	Red liquid on rug mat under rug in area of body outline in east bedroom	Indicated blood
D-26	RBS on ceiling near light in east bedroom	Whole blood: Type A
D-27	RBS on ceiling near light in east bedroom	Indicated A or O
D-27R	RBS on ceiling near light in east bedroom	A
D-28	RBS on ceiling near light in east bedroom	A
D-29	RBS from footboard of bed in east bedroom	A
D-29a	Control area from footboard of bed in east bedroom	Indicated A or O (control area)
D-29b	RBS from footboard of bed in east bedroom	Indicated blood
D-29c	RBS from footboard of bed in east bedroom	Indicated blood
D-30	RBS marked "PIG" on headboard in east bedroom	A
D-30a	Control area marked "PIG" on headboard in east bedroom	(control area)
D-30b	RBS marked "PIG" on headboard in east bedroom	Indicated blood
D-31	Pink tissue RBS at entrance to hall bathroom	Indicated A or AB
D-33	RBS from eyeglasses found on floor of livingroom	Indicated O

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PA-CR 01-1-19015

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MEC 11-1-0015

EXHIBIT	DESCRIPTION	RESULTS
D-34	"Midnight Sun" shampoo box BRBS from east bedroom	human blood
D-35	White plastic hairbrush BRBS near body outline in east bedroom	human blood
D-36	RB9 from <u>step ladder in hall bathroom</u>	(B) Indicated blood
D-37	RB9 from <u>stool in hall bathroom</u>	(control area)
D-38	Control area from <u>stool in hall bathroom</u>	(control area)
D-39	Control area from <u>step ladder in hall bathroom</u>	(control area)
D-40	Wicker material BRBS from <u>stool in hall bathroom</u>	(B) Indicated blood
D-41	RB9 from <u>left side of sink in hall bathroom</u>	(control area)
D-42	Control area from <u>left side of sink in hall bathroom</u>	(B) Indicated S or AB
D-43	RB9 from <u>front and right side of sink in hall bathroom</u>	(B) Indicated S or AB
D-44	RB9 from <u>front and right side of sink in hall bathroom</u>	(B) Indicated S or AB
D-45	RB9 from <u>right side of sink in hall bathroom</u>	(B) Indicated S or AB
D-46	RB9 from <u>right side of sink in hall bathroom</u>	(control area)
D-47	Control area from <u>right side of sink in hall bathroom</u>	Indicated blood
D-48	RB 9 from <u>faucets of sink in hall bathroom</u>	Indicated blood
D-49	<u>Pink tissue BRBS from sink in hall bathroom</u>	Indicated A or AB
D-51	RB 9 from <u>above left side of sink on wall in hall bathroom</u>	A

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EXHIBIT	DESCRIPTION	RESULTS
2-52	RBS from wall close to lower right corner of mirror in hall bathroom	not blood
2-53	RBS on south wall by light switch in hall bathroom	not blood
2-54	RBS on south top edge of bathtub in hall bathroom	indicated blood
2-55	Cloth toilet seat cover 9 RBS from hall bathroom	indicated blood
2-56	RBS from east side of door jam of hall bathroom	human blood
2-57	Control area from east side of door jam of hall bathroom	(control area)
2-58	RBS on east door jam of hall bathroom	human blood
2-59	RBS on wall close to hall bathroom entrance	human blood
2-61	RBS on north hall wall	AB
2-62	RBS on north hall wall	indicated blood
2-63	RBS on north hall wall close to east bedroom	indicated blood
2-64	RBS on north hall wall end east bedroom door jam	human blood
2-65	RBS on south door jam of east bedroom	indicated blood
2-66	RBS on south door jam of east bedroom	indicated blood
2-67	RBS on south hall wall	indicated blood
2-68	RBS on south hall wall	indicated blood
2-69	RBS on south hall wall	indicated blood

EXHIBIT

S-1

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71-111-0015

EXHIBIT	DESCRIPTION	RESULTS
2-70	RBS on baseboard of south hall wall	not blood
2-71	RBS on south hall wall	Indicated blood
2-72	RBS on south hall wall	human blood
2-73	RBS on baseboard and south hall wall	human blood
2-74	RBS on inside of west door jam of south bedroom	Indicated A or O
2-75	RBS on outside of west door jam of south bedroom	not blood
2-76	RBS from south hall wall	not blood
2-77	RBS from south hall wall	not blood
2-78	RBS from south hall wall	not blood
2-79	RBS from south hall wall	not blood
2-80	RBS from south hall wall	not blood
2-81	RBS from south hall wall	not blood
2-82	RB S from south hall wall	not blood
2-83	RBS from south hall wall	not blood
2-84	RBS from north wall of hall	not blood
2-85	RBS from high on south hall wall	not blood
2-86	RBS on south hall wall	not blood
2-89	RBS on south hall wall and baseboard	not blood

ONLY

FD-302 (Rev. 11-15-83)

EXHIBIT	DESCRIPTION	RESULTS
D-90	RB S on north hall wall	not blood
D-92	RBS on north hall wall	not blood
D-93	RBS on north hall wall	not blood
D-94	RBS on north hall wall	not blood
D-95	RBS on north hall wall	human blood
D-98	RBS from baseboard of north hall wall	not blood
D-104	RBS from west door jam to north bedroom	human blood
D-106	RB S from hall baseboard at entrance to bathroom	human blood
D-107	RB S from hall baseboard at entrance to bathroom	human blood
D-108	RBS from hall baseboard at entrance to bathroom	indicated O
D-109	RBS from hall baseboard at entrance to bathroom	human blood
D-110	RBS from hall baseboard at entrance to bathroom	not blood
D-111	RBS from east wall at livingroom	not blood
D-112	RBS from east wall at livingroom	not blood
D-113	RBS from east wall at livingroom	not blood
D-114	RBS from edge of south closet door on east hall wall	(B)
D-116	Wooden splinter RBS and debris off of north pillow from bed in south bedroom.	human blood

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71-CR-1-00015

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EXHIBIT

DESCRIPTION

RESULTS

D-121 (1)  
 (2)  
 (3)  
 (4)

North pillow and cover BRBS from bed in south bedroom

Indicated 9  
 AB  
 Indicated mixture A+AB  
 AB

*Results - 9/10  
 for (10/10)*

D-122 (1)  
 (2)  
 (3)

South pillow and cover BRBS from bed in south bedroom

Indicated 9 or AB  
 human blood  
 human blood

D-123 (1)  
 (2)  
 (3)  
 (4)  
 (5)  
 (6)  
 (7)

Purple bed cover BRBS from bed in south bedroom

not blood  
 not blood  
 human blood  
 human blood  
 human blood

D-124  
 D-125

Quilt BRBS from bed in south bedroom  
 Purple blanket BRBS from bed in south bedroom

not blood  
 not blood

D-126 (1)  
 (2)  
 (3)

Top sheet BRBS from bed in south bedroom

AB  
 Indicated blood  
 Indicated blood

D-127 (1)  
 (2)  
 (3)  
 (4)  
 (5)  
 (6)  
 (7)  
 (8)

Bottom sheet BRBS from bed in south bedroom

Indicated AB  
 AB  
 Indicated AB  
 Indicated AB  
 Indicated AB  
 AB

D-128

Portion of collar BRBS from bed in south bedroom

1  
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71-CR-1-0015

EXHIBIT	DESCRIPTION	RESULTS
D-129(1) (2) (3) (4)	Bed mat BRBS from bed in south bedroom	AB AB AB Indicated AB
D-130	RPS on <u>headboard</u> of bed in south bedroom	Indicated <u>(A)</u> or O
D-132	RBS on <u>west wall</u> of south bedroom	Indicated <u>(A)</u> or O
D-133	RPS on west wall of south bedroom	Indicated blood
D-134	RES. on north wall of south bedroom	AB
D-135	RBS on north wall of south bedroom	Indicated blood
D-136	RBS on north wall of south bedroom about <u>seven feet high over bed</u> <i>from chair</i>	<u>(A)</u>
D-137	RBS on north wall of south bedroom	Indicated <u>(A)</u> or O
D-138	RPS on west picture of clown on north wall of south bedroom	Indicated blood
D-139	Cloth doll PRBS from south bedroom	not blood
D-140	RPS on west wall above north closet door at east bedroom	Indicated A or O
D-141	RPS on south closet door of east bedroom	A
D-142	Portion of mattress, southeast corner, BRBS from bed in south bedroom	not blood
D-143	Portion of mattress, middle of bed in south bedroom	not blood
D-144	Portion of <u>hall floor</u> at west entrance BRBS	Indicated <u>(B)</u> or O

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71-CR-0160015

EXHIBIT	DESCRIPTION	RESULTS
D-145(1-2)	Portion of hall floor BRBS	AB
D-146(1-2)	Portion of hall floor near south bedroom BRBS	Indicated AB
D-147	Portion of hall floor near south bedroom BRBS	A
D-148	Portion of hall floor near south bedroom BRBS	human blood
D-149	Portion of hall floor near south bedroom BRBS	human blood
D-150	Portion of hall floor between bathroom and south bedroom BRBS	human blood
D-151(1) (2)	Portion of hall floor between bathroom and south bedroom BRBS	human blood Indicated A or O
D-152	Portion of hall floor in front of bathroom BRBS	Indicated A or O
D-153	Portion of hall floor in front of bathroom BRBS	Indicated B or O
D-154	Portion of hall floor in front of bathroom BRBS	human blood
D-155	Portion of hall floor between east bedroom and bath-room BRBS	human blood
D-156	Portion of hall floor near entrance to east bedroom BRBS	(B)
D-157	Portion of hall floor near entrance to east bedroom BRBS	AB
D-158(1) (2-7)	Portion of hall floor near entrance to east bedroom BRBS	Indicated A or O Indicated blood
D-159	Upholstery from green chair in east bedroom BRBS	A

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EXHIBIT

S-1

000027

71-CR-1-00015

000028

EXHIBIT	DESCRIPTION	RESULTS
D-161	Portion of floor BRBS from under livingroom window	human blood
D-163	Portion of floor at entrance to kitchen BRBS	AB
D-165(1)	Portion of floor at entrance to kitchen BRBS	Indicates blood
(2)		Indicates blood
(3)		Indicates blood
(4)		Indicates blood
(5)		Indicates blood
(6)		Indicates blood
(7)		Indicates blood
(8)		Indicates blood
D-207A	Portion of rug BRBS from east bedroom	A
D-207B	Portion of rug BRBS from entrance to east bedroom	AB
D-207C	Portion of rug BRBS from east bedroom	A
D-208(1)	Clothing BRBS from Kimberly MacDonald (pajamas)	AB
(2)		AB
(3)		Indicates AB
D-208(1)	Clothing BRBS from Kimberly MacDonald (panties)	AB
(2)		Indicates AB
D-209(1)	Clothing BRBS from Collette MacDonald (top)	A
(2)		A
(3)		Indicates A
(4)		Indicates A
(5)		Indicates A
(6)		Indicates A
(7)		Indicates A
(8)		Indicates A

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EXHIBIT

FD-302 (Rev. 11-27-70)

000029

EXHIBIT	DESCRIPTION	RESULTS
✓ 3-209 (15)	Clothing BRSS from Collette MacDonald (bottom)	Indicates A
(2R)		Indicates A
(3R)		Indicates A
(4R)		Indicates A
(5R)		Indicates A
(6R)		Indicates A
(7R)		Indicates A
(11)		Indicates A
(2)		Indicates A
(3)		Indicates A
(4)		Indicates A
(5)		Indicates A
(6)		Indicates A
(7)		Indicates A
(9)		Indicates A
(10)	Indicates A	
(11)	Indicates A	
(12)	Indicates A	
(14)	Indicates A	
(15)	Indicates A	
3-210 (1)	Blue pajama top BRSS	Indicates A
(2)		Indicates A
(3)		Indicates A
(4)		Indicates A
(5)		Indicates A
(6)		Indicates A
(7)		Indicates A
(8)		Indicates A
(9)		Indicates A
(10)		Indicates A
(11)		Indicates A
(12)		Indicates A

(9)

AB

EXHIBIT S-1

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PJ-CM C-1-00015

EXHIBIT

DESCRIPTION

RESULTS

2-210(15) Blue pajama top BHRS (continued)

- (14)
- (15)
- (16)
- (17)
- (18)
- (19)
- (20)
- (21)
- (22)
- (23)
- (24)
- (25)
- (26)
- (27)

Indicates A  
 Indicates A  
 Indicates A

B

Indicates A  
 Indicates A  
 Indicates A  
 Indicates A  
 Indicates A  
 Indicates A  
 Indicates A  
 Indicates A  
 Indicates A

Indicates A  
 Indicates A  
 Indicates A

2-211(1)

Blue sheet BHRS from floor of east bedroom

- (2)
- (3)
- (4)
- (5)
- (6)
- (7)
- (8)
- (9)
- (10)
- (11)
- (12)
- (13)
- (14)
- (15)
- (16)
- (17)
- (18)

Indicates A  
 Indicates A  
 Indicates A  
 Indicates A  
 Indicates A  
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 Indicates A  
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 Indicates A  
 Indicates A  
 Indicates A  
 Indicates A

*Small Bath  
 Sheets*

AB  
 AB

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C00030

S-1

71-CR-011-0001

C00031

EXHIBIT	DESCRIPTION	RESULTS
D-211(19)	Blue sheet BRBS from floor of east bedroom(continued)	Indicates A
(20)		Indicates A
(21)		Indicates A
(22)		Indicates A
(23)		Indicates A
(24)		Indicates A
(25)		Indicates A
(26-28)		Indicates A
D-212(1)	Clothing BRBS from Kristen MacDonald (pajama top)	O
(2)		O
(3)		O
(1R)		O
(2R)		O
(3R)		O
D-212(1)	Clothing BRBS from Kristen MacDonald (pajama bottom)	Indicates O, urine
(2)		Indicates O, stains
(1R)		Indicates O
(2R)		Indicates O
(3R)		Indicates O
D-212(1)	Clothing BRBS from Kristen MacDonald (undershirt)	O
(2)		O, urine
D-212(1)	Clothing BRBS from Kristen MacDonald (panties)	O stains
(2)		
D-214(a)	Bath mat BRBS from body of Collette MacDonald (bottom)	Indicates blood
(b)		AB
(c)		Indicates blood
(d)		AB
(e)		Indicates blood
(f)		Indicates blood
(g)		Indicates A or AB
(h)		Indicates blood
(i)		Indicates A or AB
(j)		Indicates blood
	Bath mat BRBS from body of Collette MacDonald(top)	Indicates blood
		AB
		Indicates blood
		AB
		Indicates blood
		Indicates A or AB
		Indicates blood
		Indicates A or AB
		Indicates blood

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000032

EXHIBIT	DESCRIPTION	RESULTS
D-214{k}	Bath mat BRSS from body of Collette MacDonald (top)	human blood
{l}	(continued)	Indicates blood
{m}		Indicates blood
{n}		Indicates blood
{o}		
D-215(a,1)	Portion of northbedroom floor BRSS (footprint) marked	A
{b,2}	q thru z	Indicates A
{3}		Indicates A
{4}		Indicates A
D-216{1}	Portion of north bedroom floor BRSS (footprint)	Indicates A or AB
{2}	marked 9 thru 16	human blood
{3}		Indicates blood
D-217{1}	Portion of hall floor BRSS (footprint) marked	human blood
{2}	p thru k	human blood
D-218	Picture BRSS from living room floor	not blood
D-219	Blue girl's coat BRSS	not blood
D-220	Purple-brown quilt BRSS	AB
D-221{1}	Terry cloth robe BRSS	Indicates blood
{2}		Indicates blood
D-222	Pot holder BRSS	Indicates blood
D-223	Top of toilet tank BRSS	Indicated blood
D-224	Two bottles containing liquid from hall bathroom sink trap	Indicated blood
D-225{1}	Poncho BRSS	human blood
{2-4}		Indicates blood

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EXHIBIT

DESCRIPTION

FBI - CIL 011-00015

000033

EXHIBIT	DESCRIPTION	RESULTS
D-227(1) (2-3)	Green-blue-yellow throw rug BRBS from east bedroom	A Indicates A
D-228(1) (2) (3) (4)	Pair of shoes BRBS from east bedroom (right shoe)	human blood human blood Indicates A Indicated A
D-228(1) (2) (3)	Pair of shoes BRBS from east bedroom (left shoe)	Indicated A Indicated A
D-229(1) (2) (3) (4) (5) (6) (7-8)	Multicolored bed spread BRBS from east bedroom	Indicates blood Indicates blood Indicated A Indicated A Indicated A Indicated A
D-230	Pillow BRBS from hospital	Indicated blood
D-231(1) (2) (3) (4) (5)	Pillow cover BRBS from hospital	A Indicated A not blood Indicated A Indicated blood
D-232(1) (2) (3) (4) (5) (6)	Blue material, apparently pajama pocket, BRBS	A A A Indicates A A
D-233	Fingernail scrapings from left hand of Collette Macdonald	Indicated A Indicated blood

S-1

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75-CR-00026

EXHIBIT	DESCRIPTION	RESULTS
D-234	Fingernail scrapings from right hand of Collette MacDonald	Indicated blood
D-235	Fingernail scrapings from right hand of Kimberly MacDonald	Indicated blood
D-236	Fingernail scrapings from left hand of Kimberly MacDonald	Indicated blood
D-237	Fingernail scrapings from left hand of Kristen MacDonald	Indicated blood
D-238	Fingernail scrapings from right hand of Kristen MacDonald	Indicated O
D-239	Fingernail scrapings from Captain MacDonald	Indicated blood
D-240(1-4)	White cabinet door BRBS from kitchen	Indicated blood
D-241	Green sponge BRBS from kitchen	not blood
D-242	Yellow sponge BRBS from kitchen	not blood
D-243	Cap from baby food bottle BRBS from kitchen	not blood
D-244	Medical scrub brush BRBS from kitchen	Indicated blood
D-245	Package containing surgeons gloves BRBS from kitchen	not blood
D-246	Plastic cover from "Kit" oen BRBS from kitchen	not blood
D-247	BRBS from inside of kitchen cabinet door	not blood
D-248	BRBS from kitchen cabinet under sink between doors	Indicated blood

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EX-101-00015

RESULTS

EXHIBIT	DESCRIPTION	RESULTS
D-249	RBS from under edge of sink in kitchen	not blood
D-250	RBS from under left kitchen sink	human blood
D-251	RBS from near D-165, dining room floor	Indicates B or AB
D-252	RBS from dining room doorway, 1'11" above floor	not blood
D-253	RBS from dining room doorway 3' above floor	not blood
D-254(1)	Quilted white pad BRBS from east bedroom bed	Indicated A
(2)		Indicated A
(3)		A
D-255(1)	White hand towel BRBS	human blood
(2)		human blood
(3)		Indicated A or AB
(4)		Indicated blood
(5)		Indicated blood
D-256	Debris from Collette MacDonald's hands, including red. smecta	Indicated A or O ?
D-258	RBS from east bedroom floor behind bed headboard (1)	A
D-259	RBS from east bedroom floor behind bed headboard (2)	A
D-260	RBS from floor by north end table in east bedroom (3)	A
D-261	RBS from south surface of north end table in east bedroom (4)	Indicated A or AB
D-262	RBS from south surface of north end table in east bedroom (5a)	Indicated blood

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LA-CIL C:1-00015

000036

EVIDENT	DESCRIPTION	RESULTS
✓ 3-263	RBS from east wall baseboard behind headboard of bed in east bedroom (5)	A
✓ 3-264	RBS from rug under head of bed in east bedroom (6)	A
3-265	RBS from baseboard behind headboard of bed in east bedroom (7)	Indicated A or AB
3-266	Portion of rubber rug mat BRBS from east side of head of bed in east bedroom (8)	A
3-267	RBS from inside surface of footboard of bed in east bedroom (9)	Indicated A or O
3-268	RBS from inside surface of footboard of bed in east bedroom (10)	human blood
3-269	RBS from inside surface of footboard of bed in east bedroom (11)	human blood
3-270	RBS from left edge of bed footboard in east bedroom (12)	Indicated A or O
3-271	Portion of lampshade BRBS from north end table in east bedroom (13)	A
✓ 3-272	Portion of rug BRBS from right leg area in east bedroom (17)	A
3-273	Portion of rug BRBS from crotch and between legs of body in east bedroom (18)	A
3-274	Portion of rug BRBS from hip area of body in east bedroom (19)	A
3-275	Portion of rug BRBS from left elbow area of body in east bedroom (21)	A

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15

EXHIBIT

DESCRIPTION

RESULTS

EXHIBIT	DESCRIPTION	RESULTS
/ 2-276	Portion of rug BHS from left elbow area of body(22)	A
/ 2-277	Portion of rug BHS from left armpit area of body in east bedroom (25)	A
2-278	BHS from front side of north night stand in east bedroom (24)	Indicated A or AB
2-1K	BHS from north door frame of kitchen	not blood
/ 2-2K	BHS from north door frame of kitchen	not blood
/ 2-3K	BHS from south door frame of kitchen	not blood
2-4K	BHS from wall at south side of kitchen door frame	not blood
/ 2-5K	BHS from upper center of refrigerator in kitchen	Indicated blood
2-6K	BHS above handle of refrigerator in kitchen	not blood
2-7K	BHS by handle of refrigerator in kitchen	not blood
2-8K	BHS from lower east side of refrigerator door in kitchen	not blood
/ 2-9K	BHS from kitchen floor by northeast corner of refrigerator	not blood
/ 2-10K	BHS from lower left sink cabinet door in kitchen	not blood
/ 2-11K	BHS from sink cabinet above left middle cabinet door of kitchen	not blood
/ 2-12K	BHS from upper left sink cabinet drawer in kitchen	not blood

DN-CIT ( )-0015

000037

*within per pick*

*15*

FD-302 (Rev. 11-27-2005)

000038

EXHIBIT	DESCRIPTION	RESULTS
D-13K	RBS from upper left sink cabinet drawer in kitchen	not blood
D-14K	RBS from left front of utility cabinet to right of kitchen sink	not blood
D-15E	RBS from of utility cabinet to the right of sink and right of cabinet handle in kitchen	not blood
D-16K	RBS from door of utility cabinet to right of sink above handle in kitchen	not blood
D-17K	RBS from door of utility cabinet to right of sink above and to right of handle in sink	not blood
D-18K	RBS from east side of clothes washer in kitchen	not blood
D-19K	RBS from east side of clothes washer in kitchen	human blood
D-20K	RBS from upper west corner of north kitchen door	not blood
D-21K	RBS from bottom center of north kitchen door	human blood
D-22K	RBS on kitchen floor, 1'4 1/2" northeast of northwest corner of refrigerator	indicated blood
D-23K	RBS on kitchen floor, 6' southwest of north corner of kitchen	human blood
D-24K	RBS on kitchen floor, 3'4 1/2" northeast of northwest corner of stove	human blood
D-25K	RBS on kitchen floor, 1'9" north of northwest corner of stove	human blood
D-26K	RBS on kitchen floor, 2'1/2" north of south wall and	human blood

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EA-CIL C.1-00015

EXHIBIT	DESCRIPTION	RESULTS
D-27K	BBS on west side of clothes washer in kitchen	Indicates blood
D-28K	BBS from "Taxy Liquid Soap" container by sink in kitchen	not blood
D-29K	BBS from heater on east wall of kitchen	Indicates blood
D-30K	Control area from south wall of kitchen	(control area)
D-31K	Control area from sink cabinet in kitchen	(control area)
D-32K	Control area from kitchen floor, south of north door	(control area)
D-33K(1) (2)	Two rubber gloves BRBS from kitchen (right glove) (left glove)	Indicated blood human blood
D-34K(1) (2) (3) (5)	Three cloth gloves BRBS from kitchen (right) (small) (left)	Indicated blood not blood human blood
D-36NB	Green yarn BRBS from rug in north bedroom	0
D-37NB(1) (2) (3) (4)	Green throw rug BRBS from north bedroom	Indicated 0 0 Indicated 0 Indicated blood
D-40NB	Plastic Santa Claus BRBS from north bedroom	not blood
D-41NB(1) (2) (3) (4)	Blue doll BRBS from north bedroom	Indicated A or O Indicated A or O Indicated 0 0

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ME:CLC:1-00015

C00040

EXHIBIT	DESCRIPTION	RESULTS
D-41NB	Blue doll BRES from north bedroom (continued)(left leg) (right leg) (center front) (head) (bottom of right leg) (top of right leg)	0 Indicated A or O Indicated O Indicated O Indicated A or O Indicated A or O
D-42NB	Doll shirt BRES from north bedroom	not blood
D-43NB	Stuffed dog BRES from north bedroom	0
D-48NB	BRES from floor near east side of bed from north bedroom	0
D-49NB	BRES from floor near east side of bed from north bedroom	0
D-50NB	BRES from floor near east side of bed from north bedroom	0
D-53NB	Plastic baby bottle BRES from north bedroom	Indicated O
D-55NB	Hairs, fibers, and miscellaneous debris from folded bedspread; at foot of bed in north bedroom	0
D-56NB	Green bedspread BRES on bed from north bedroom	Indicated A Indicated A Indicated blood Indicated A

(1)  
(2)  
(3)  
(4)  
(5)  
(6)  
(7)

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D1-CIF011FOO1

EXHIBIT	DESCRIPTION	RESULTS
D-58NB (1)	Pink blanket from bed in north bedroom	Indicated 0
(2)		Indicated 0
(3)		Indicated A
(4)		Indicated A
(5)		Indicated 0
(6)		Indicated 0
(7)		Indicated A
(8)		Indicated A
D-60NB (1)	Top sheet BRBS from bed of north bedroom	Mixture A and 0
(2)		Indicated A
(3)		Indicated A
(4)		Indicated A
(5)		Indicated A
(6)		Indicated A
(7)		Indicated A
(8)		Indicated A
(9)		Indicated A
(10)		Mixture A and 0
(11)		Indicated A
(12)		Indicated A
(13)		Indicated A
D-62NB (1)	Pillow with cover BRBS from bed in north bedroom	Indicated A or 0
(2, 2p)		Indicated A or 0
(3)		Indicated A or 0
D-64NB (1)	Bottom sheet of bed BRBS from bed of north bedroom	Indicated 0
(2)		Indicated 0
(3)	(Large pool)	Indicated 0
(4)	(crust from)	Indicated 0
D-65NB	RBS from plastic sheet on upper mattress in north bedroom	0

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71-CF012PCO 1

C00042

EXHIBIT	DESCRIPTION	RESULTS
D-66NB(1) (2)	Plastic sheet BRSS from upper mattress in north bedroom	AB - <i>with</i> <i>in</i> <i>the</i> <i>...</i> A
D-67NB(1,a) (2,b) (3,c) (4,d) (5,e) (6,f)	Portion of plastic sheet BRSS on lower mattress in north bedroom	Indicated blood mixture A and O mixture A and O mixture A and O Indicated A mixture A and O
D-68NB	RSS from plastic sheet on lower mattress in north bedroom	O
D-69NB	RBS from west wall of north bedroom	A
D-70NB	RBS from west wall of north bedroom	A
D-71NB	RBS from west wall of north bedroom	Indicated A or O
D-72NB	Portion of curtain BRSS from window in north bedroom	Indicated A or O
E-57NB	Debris from pink blanket on bed in north bedroom	Indicated O
E-63NB	Debris from bottom sheet on bed in north bedroom	Indicated O
E-301	Hairs and fibers from near left hand and arm of body in east bedroom(15)	A
E-302	Fibers and portion of rug BRSS from near north corner of footboard of bed in east bedroom (16)	A
I-3	Suspected portion of surgical glove BRSS from bed in east bedroom	Indicated A or O
I-21	Suspected portion of surgical glove BRSS from bedding on floor in east bedroom	A

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EVIDENT

DESCRIPTION

RESULTS

EVIDENT	DESCRIPTION	RESULTS
3-213	Suspected portion of surgical glove BRBS from east bedroom	Indicated blood
3-226	Suspect portion of surgical glove BRBS from Collette MacDonald's body	Indicated <u>A or AB</u>
3-6	"Esquire" magazine, dated March 1970, bearing red stain on edge	Indicated <u>A or AB</u>
3-257	Green and silver foil container containing one white tablet from chest in east bedroom	Kolanlyl Wafer: a peptic ulcer medication
	Vaginal secretions from Collette MacDonald	no semen or seminal stains
	Jewelry box, empty, multi-colored, BRBS	no blood

71-CDU-1-C

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C00043

S-1

PTCIPD011-60415

The following exhibits were given to Sp4 Joseph J. B ARBATO, US Army CI Lab, for analysis. His results are as follows:

EXHIBIT	DESCRIPTION	RESULTS
2-1	Urine sample from Captain MacDonald	No narcotics or dangerous drugs
2-2	Blood sample from Captain MacDonald	No narcotics or dangerous drugs

The following exhibit was given to the US Army Hospital at Fort Gordon, GA., for blood-alcohol analysis. The results are as follows:

EXHIBIT	DESCRIPTION	RESULTS
2-2	Blood sample from Captain MacDonald	0.150 mg/ml ethyl alcohol: not under influence of alcohol

*Exhibit*

S-1

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C00044

4B-38

EVIDENT	DESCRIPTION	HAIRS	FIBERS	WOOD	PAINT	WAX	(BLOOD)
A	Piece of wood 31"x1 1/4"x1 1/2" bearing red-brown and white stains		see E-2054 E-206 (D-210)	E-303 E-19a E-631/B E-116 D-118 E-119 D-231 E-381	A-Y E-203 E-299		A & AB
A-1	One piece of wood approximately 11 1/2"x1 1/2"x1 1/2"			A			
A-2	One length of wood approximately 7 1/2"x1 1/2"x1 1/2"			A			
A-3	One length of wood approximately 19 1/2"x3 1/2"x1 1/2"			-A			
A-4	One length of wood approximately 17 1/2"x5 1/2"x1 1/2" bearing suspected paint stains			-A	A E-203 E-299		
D-23	Three wooden splinters BRBS and other debris from floor near body outline in east bedroom	Got on PS bottles	D-210	A			A
D-118	Wooden splinter BRBS and debris off of north pillow from bed in south bedroom	Got here from pillow in south bedroom	D-210	A			human blood
D-123	Purple bed cover BRBS from bed in south bedroom	Kristien	D-210				-G-1/ AB C G-10

ET 10/10/06

4B-39

EXHIBIT	DESCRIPTION	HAIRS	FIBERS	WOOD	PAINT	MAX	(BLOOD)
D-209	Clothing fibers from Collette MacDonald	Collette					A.
D-221	Terry cloth robe BRBS	Kimberly	D-210			000046	Ind: Blood
D-227	Green-blue-yellow throw rug BRBS from east bedroom	Collette Kimberly					A
D-229	Multicolored bed spread BRBS from east bedroom	Collette Kimberly	D-210				A
D-237	Finger nail scrapings from left hand of Collette MacDonald	219 [Redacted]					Ind. blood
D-461B	RPS from floor near east side of bed from north bedroom	Kristen					0

RECEIVED

18

EXHIBIT	DESCRIPTION	HAIRS	FIBERS	WOOD	PAINT	WAX
E-1	Debris from rug in front of sofa in livingroom	no pertinent information				
E-2	Debris from rug at front, near end of sofa, in living-room	no pertinent information.				
E-3	Debris from mouth area of Collette MacDonald	Collette	D-210			
E-4	Debris from right hand of Collette MacDonald	-E-305/ E-319	NOTE: E-305/E-313 done by GLISSON E-314/E-319 done by BROWNING			
E-5	Debris from left hand of Collette MacDonald	Collette, -E-305/ E-319		A		
E-6	Debris from fracture site of right forearm of Collette MacDonald		D-210			
E-7	Hair like substance from cage over armchair in east bedroom	Collette				
E-8	Hairbrush containing hairs from dresser in east bedroom	Kriston				
E-9	Hair samples from clothing in north bedroom closet	Kriston				
E-10	Hair samples from dress on chair in north bedroom	Kimberly				

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48-40

4B-41

EXHIBIT	DESCRIPTION	HAIRS	FIBERS	WOOD	PAINT	GLASS
E-12	hair samples from pillow in south bedroom closet	<del>Kimberly</del> Kristen E-305				
E-13	hair samples from blue coat on hook in south bedroom	Kimberly				
E-14	Debris from anterior pelvic region of Kristen MacDonald	no pertinent information				
E-15	hair samples from blue dress on hook in north bedroom closet	Kristen				
E-16	Fibers from underside of throw rug in east bedroom		D-210			
E-19a	Debris from sheet on bed in east bedroom	E-313 Collette	D-210	A		
E-20a	Debris from pillow case on bed in east bedroom	Collette	D-210			
E-22	Hairs under pillow on bed in east bedroom	Collette				
E-24	Debris from inside body outline of Collette MacDonald in east bedroom		D-210			
E-32	Debris from hallway near stairs and fibers from inside		D-210			

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4B-42

EXHIBIT	DESCRIPTION	HAIRS	FIBERS	WOOD	PAINT	MARKS
E-116	Debris from pulled back bedding of bed in south bedroom	Kimberly E-313	D-210	A		
E-117	Debris from south pillow on bed in south bedroom	no pertinent information				
E-119	Debris from bottom sheet of bed in south bedroom		D-210	A		
E-120	Debris from under pillows in south bedroom	Kimberly				
E-123	Hairs, fibers and miscellaneous debris removed from purple bedspread in south bedroom	-E-305/ E-313				
E-124	Debris from quilt from bed in south bedroom	no pertinent information				
E-129	Debris from mattress cover on bed in south bedroom	no pertinent information				
E-203	Paint removed from sidewalk behind MacDonald house				A	
E-205	Fibers removed from Exhibit A.		D-210			
E-206	Hairs and fibers from inside plastic bag containing Exhibit A	no pertinent information				

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