



Laboratory Corporation of America Holdings P.O. Box 13973 1912 Alexander Drive Research Triangle Park, North Carolina 27709

Telephona: 800-533-0567 Fax: 919-361-7737

SUPPLEMENTAL CERTIFICATE OF ANALYSIS¹

December 31, 2010

North Carolina Innocence Inquiry Commission 901 Corporate Center Drive Raleigh, NC 27607 Attn.: Ms. Sharon Stellato

Agency #:

83 CRS 15822-23

FS Lab #:

F04-5119

Victim(s):

Buie, Sabrina

Suspect(s):

Brown, Leon

Evidence Submitted: hand delivered by

Sharon Stellato

Date Received: 12/21/10

Item 355-1

One sealed envelope containing two swabs listed as from Leon Brown.

Results:

Deoxyribonucleic acid (DNA) isolated from the above listed evidence was characterized through the polymerase chain reaction (PCR) at the following genetic systems using the AmpFISTR® IdentifilerTM kit:

Alleles Detected

System	345-1 Cigarette butt	355-1 Leon Brown ²
D3S1358	15	15, 17
vWA	14, 19*	17, 20
FGA	22ª	21, 24
D8S1179	15, 16	14, 15
D21S11	NA	28, 32.2
D18S51	NA	10.2, 18
D5S818	11, 12.	11, 13
D13S317	NR.	11, 12
D7S820	NR ,	10, 11
D16S539	NA	9, 13
THO1	8,9	9
TPOX	NR	8, 9
CSF	NA	11, 12
Amelogenin	XY	XY

NR= No reportable activity detected.

The partial DNA profile obtained from the cigarette butt (Item 345-1) is consistent with originating from a male source and is different from the DNA profile obtained from the reference sample from Leon Brown (Item 355-1). Therefore, Leon Brown (Item 355-1) is excluded as the source of the genetic material in this sample. This sample can be compared to any additional reference sample submitted. Statistical estimates can be calculated upon submission of a matching male reference sample.

Disposition of Evidence:

Unless previous arrangements have been made, unused evidence will be returned to the submitting agency.

NA= No activity detected.

a= Additional activity detected, however it fails to meet reporting standards.

^{*=} Alleles designated with an asterisk are less intense than non-designated alleles.

¹⁼ See Certificate of Analysis dated January 26, 2005 for previously submitted evidence and previously reported results.

²⁼ Results for the D2S1338 and D19S433 genetic systems can be reported upon request.

F04-5119

The results have been reviewed independently by the undersigned and are correct as reported.

Sworn to and subscribed before me this 300 day of January, 20 11 at Research Triangle Park, NC.

Motary Public

Glenda K Poulter Notary Public Durham County, NC My commission expires 2/24/2013 Meghan E. Clement, MS

Technical Director, Forensic Identity Testing

A. Dwayne Winston, BS

Associate Technical Director, Forensic Identity Testing Technical Reviewer

DEFENDANT'S EXHIBIT シート

CERTIFICATE OF ANALYSIS¹

August 1, 2011

North Carolina Innocence Inquiry Commission

901 Corporate Center Drive

Raleigh, NC 27607

Attn.: Ms. Sharon Stellato

Ms. Kendra Montgomery-Blinn

Agency #: 83 CRS 15822

83 CRS 15823

FS Lab #:

F11-10724/

F04-5119¹

Date Received: 3/16/11

Victim(s): Suspect(s): Buie, Sabrina Brown, Leon

McCollum, Henry

Evidence Submitted: via hand delivery

by Ms. Sharon Stellato

One bag containing Items 1-4:

Items 1, 2 and 3 Three "Schlitz Malt Liquor" cans.

Item 4 One plastic ring pack holder.

Item 5 One sealed bag containing three wooden matches, labeled, "A", "B" and "C" at LabCorp

and two pieces of a cigarette butt.

Item 6 One sealed box containing two swabs listed as vaginal swabs.

Item 7 One sealed box containing a swab listed as a chest swab.

Item 8 One scaled package containing a swab listed as a left thigh swab.

Item 9 One sealed package containing two swabs listed as anal swabs.

Item 10 One bag containing a bra.

Item 11 One bag containing a pair of panties listed as 'removed from throat'.

Item 12 One envelope containing a stick with stains listed as "large stick of wood".

Only the non-stained areas were tested.

Item 13 One bag containing a large board.

One bag containing Items 14-16:

Item 14 One coat.

T. 15 One coat.

Item 15 One left shoe.

Item 16 One right shoe.

Page 1 of 3

F11-10724

One bag containing a pair of pants:

Item 17 Cutting from pants, stain inside back along seam.

Item 18 Cutting from pants, stain inside, front left.

Item 19 Cutting from pants, stain front pant leg, close to knee.

Note: A total of seven stains were screened for Acid Phospatase, see results below.

Item 20 One bag containing victim's shirt.

Item 21 One envelope containing a stick with stains listed as "small stick".

Only the non-stained areas were tested.

Results and Opinions:

Presumptive chemical analysis on seven areas of Item 13, two areas of Item 14, Item 15, seven areas on the pants including Items 17, 18, 19, and Item 20 for acid phosphatase, an enzyme found in high quantities in seminal fluid, revealed negative results.

Deoxyribonucleic acid (DNA) isolated from Items 1, 2, 3, 4, 5 (A, B and C), 11, 12, 13, 21 and the previously extracted DNA from Item 345-1 was characterized through the polymerase chain reaction (PCR) at the following genetic systems using the AmpF/STR® Identifiler and/or Identifiler Plus kits:

Alleles Detected

System	3-Can	11-Panties	21-Stick	345-1 Cigarette	355-1 L.	288-2 H.	345-2
				Butt ¹	_Brown ^I	McCollum ¹	Vag NSP ¹
D8S1179	12, 13	12, 13	12, 13, 14*	15, 16	14, 15	12, 15	12, 13
D21S11	NR	NR.	NR	30°	28, 32.2	28, 31	29, 31.2
D7S820	NR	NR	NR	NR	10, 11	10, 11	8, 10
CSF	NR	NR.	NR	NR	11, 12	10, 11	7ª
D3S1358	16	16ª	NR	15	15, 17	15, 16	16
THO1	NR	NR	NR	8, 9	9	6,9	7, 8
D13S317	NR.	NR	NR	13	11, 12	12	11, 13
D168539	NR	NR	NR	NR	9, 13	9, 11	9, 11
D2S1338	NR	NR	NR	NR	17, 25		NR
D19S433	12.2, 1.6	12.2, 16 ^a	NR	10, 12.2	13		12.2, 16
AWv	16	NR	16ª	14, 19	17, 20	11, 20	16, 19
TPOX	NR_	NR	NR	6	8, 9	8, 11	8, 9
D18S51	NR	NR	NR	NR	10.2, 18	16, 18	15, 19
D5S818	$12^{a}/13^{a}$	NR	NR	11, 12	11, 13	12, 13	12, 13
FGA	NR	NR.	NR	22ª/23ª	21, 24	22, 24	19.2, 26
Amelogenin	X / X*	X/Xª	X,	XY	XY	XY	Х

F11-10724

NSP= Non-sperm fraction.

NR= No reportable peaks detected.

/= Results from different amplifications.

a= Additional peak(s) detected; however, it fails to meet reporting standards.

*= Alleles designated with an asterisk are less intense than non-designated alleles,

I= For LabCorp case F04-5119, see Certificates of Analysis dated January 26, 2005 and December 31, 2010 for previously submitted evidence and previously reported results.

Based on the results listed above, the partial DNA profiles obtained from the can (Item 3), the panties (Item 11) and the small stick (Item 21) are consistent with the partial DNA profile obtained from the non-sperm fraction of the vaginal swabs from Sabrina Buie (Item 345-21). Assuming the non-sperm fraction is Sabrina Buie's profile, she cannot be excluded as a possible source of the DNA in Items 3, 11 and 21. There is an additional minor allele detected on the small stick (Item 21) at the D8S1179 genetic marker. No conclusion will be made regarding the source of this additional minor allele.

The partial DNA profile obtained from the cigarette butt (Item 345-11) is from an unknown male.

Leon Brown (Item 355-11) and Henry McCollum (Item 288-21) are both excluded as a source of the DNA in all the samples above. These samples can be compared to any additional sample submitted.

An attempt to isolate DNA from Items 1, 2, 4, 5 (A, B and C), 12 and 13 failed to yield a sufficient quantity and/or quality of DNA to develop a profile for comparison purposes through PCR analysis.

An attempt to isolate DNA from Items 6, 7, 8, 9, 10, 13, 14, 15, 16, 17, 18, 19 and 20 failed to yield male DNA of sufficient quantity and/or quality to develop a profile for comparison purposes through the polymerase chain reaction (PCR) analysis using the AmpFISTR® YFiler Mit.

Disposition of Evidence:

Unless previous arrangements have been made, unused evidence will be returned to the submitting agency.

The results have been reviewed independently by the undersigned and are correct as reported.

Sworn to and subscribed

before me this 2nd

of August, 20

at Research Triangle Park, NC.

Glenda K Poulter treaty Public Durham County, NC My commission expires 2/24/2013 Shawn M. Weiss, BS

Associate Technical Director, Forensic Identity Testing

A. Dwayne Winston, BS

Associate Technical Director, Forensic Identity Testing

Technical Reviewer

Page 3 of 3



North Carolina State Crime Laboratory

Department of Justice Raleigh

Second Report

Laboratory Report

TO:

Sharon Stellato

N.C. Innocence Inquiry Commission

PO Box 2448

Raleigh, NC 27602

Robeson County

TYPE OF CASE:

Homicide

SUBJECT(S):

LOCATION:

Henry Lee Mccollum

Darrell Christopher Suber

DATE:

CRIME LAB NO.: SBI FILE NO.:

AGENCY FILE NO.:

EXAMINED BY: DATE OF OFFENSE: 1983-00330 83-0469, 1983-00330

July 10, 2014

R198311250

Cortney R. Cowan September 26, 1983

Sabrina Buie (Victim)

NOTIFICATION OF CODIS HIT

Upon a routine search of the North Carolina state DNA database (SDIS), a moderate stringency match occurred between the partial DNA profile obtained from the cigarette butt (F04-5119 Item 345-1; as provided by Cellmark Forensics) (Item 15-1) and the DNA profile contained within the North Carolina state DNA Database identified as belonging to:

Name: Roscoe Artis DOB: 02/02/1940 SSN: 241-60-5734 SID: NC0094653A FBI: 468741C

This information is to be used only as an investigational lead and supports probable cause to obtain a DNA standard from the above individual. Analysis in this case is not considered complete until a DNA standard has been obtained from this individual and submitted for comparison purposes. If you need further information regarding this CODIS hit or need assistance in applying for or serving a search warrant in this case, please do not hesitate to contact Forensic Scientist Cortney Cowan, the State CODIS Administrator at 919-662-4500.

End of Report

I, Roy Cooper, Attorney General of the State of North Carolina, hereby certify that the form identified as: North Carolina State Crime Laboratory, Department of Justice, Laboratory Report is a form approved by me for the purpose stated in G.S. 90-95(g) and G.S. 8-58.20 and approved by me in compliance with the said statutes.

THIS REPORT IS TO BE USED ONLY IN CONNECTION WITH AN OFFICIAL CRIMINAL INVESTIGATION.

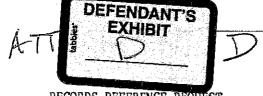
Johnson Britt, DA, SBI Records, Janie P. Sutton, SAC

This report contains the opinions/interpretations of the examiner(s) who issued the report. All supporting documentation generated during the examination is released with the report.

This is an official file of the North Carolina State Crime Laboratory. To make public or reveal the contents thereof to any unauthorized person is a violation of the General Statutes of North Carolina.







Form RC-14 (12-86)

NC Department of Cultural Resources

RECORDS REFERENCE REQUEST

INSTRUCTIONS

Division of Archives and History 1. Prepare in duplicate. Print or type. Records Services Branch 2. Complete all items on form. 109 East Jones Street 3. Send all copies to State Records Raleigh, NC 27611 Central property Mail Services. 137704 (919) 733-3540 REQUESTOR IDENTIFICATION: (Requestor) (Agency/Department) (Telephone) +346 662-4510 Call Send Building RECORD OR INFORMATION REQUESTED Schedule ID Number Dates Reference 3A 20F 5-1-RLE- 93-1250 48-51 3A- 17C 32-44 B. Dunden Center - 6-8-92 3. SEARCH RESULTS: FOR STATE RECORDS CENTER USEYONLY. PLEASE DO NOT WRITE BELOW THIS POINT. Date: REQUEST TAKEN BY: Time: 8:15 6-8-92 Records Forwarded 16612 Time: 8:22 2427 Date: Information Given Time: Records not Found Reason: Record Previously Charged To: Date: Agency: Name: Refiles Services ID Number Refiles _____ 16617 Services / ID Number Refiles____ ID Number Services / Refiles Servićes ID Number Refiles Services ID Number Searchet_

733-3891 000268 Records Form RC-14 (12-86) RECORDS REFERENCE REQUEST NC Department of Cultural Resources
Division of remives and History INSTRUCTIONS 1. Prepare in duplicate. Print or type. Records Services Branch 2. Complete all items on form. 109 East Jones Street 3. Send all copies to State Records Raleigh, NC 27611 Central Wilness teragency Mail Services. 137704 (919) 733-3540 1. REQUESTOR IDENTIFICATION: (Requestor) Brench Kenton (Telephone)+346 (Agency/Department) SBI 66Z-4510 Building Send Call Schedule ID Number RECORD OR INFORMATION REQUESTED Dates Reference RLE- 93-1250 3A-17C 32-44 3. SEARCH RESULTS: FOR STATE RECORDS CENTER USE ONLY. PLEASE DO NOT WRITE BELOW THIS POINT. Date: Time: REQUEST TAKEN BY: Date: Time: Records Forwarded Date: Information Given Time: Records not Found Reason: Record Previously Charged To: Date: Agency: Name: Refiles Services ID Number Refiles Services ID Number Refiles Services ID Number Refiles

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STATE OF NORTH CAROLINA	IN THE GENERAL COURT OF JUSTICE
COUNTY OF ROBESON 2010 JUN 18 F	83 CRS 15822
ROBESON COUNT	TY, C.S.C.
STATE OF NORTH CAROLINA,)
y. BY)
٧.)
LEON BROWN,	ORDER
Convicted Person.)
	J .

THIS MATTER came on for hearing before the undersigned on motion of the North Carolina Innocence Inquiry Commission ("Commission") for an order commanding the State of North Carolina, the Robeson County Sheriff Department, the Red Springs Police Department, the Robeson County District Attorney's Office, the Robeson County Clerk of Superior Court's Office, the Bladen County Clerk of Superior Court's Office, the Cumberland County Clerk of Superior Court's Office and the North Carolina State Bureau of Investigation to preserve and produce evidence collected in connection with its investigation and prosecution in the above-styled matter. It appeared to the Court, based on the motion and authority cited therein, that said motion is properly before this Court pursuant to N.C.G.S. § 15A-1467 and that the same should be allowed;

IT IS THEREFORE ORDERED, ADJUDGED AND DECREED that the Commission's motion to preserve and produce evidence is hereby granted. Within thirty (30) days of the entry of this Order, the State of North Carolina and all agencies, officials, officers, agents, employees, attorneys and political subdivisions thereof, involved in the investigation and/or prosecution of this matter, shall:

1. Locate and preserve the evidence described in the Commission's motion, as well as any other physical evidence collected, received, analyzed, kept, or maintained by each respective office during the investigation of this case, so that DNA or other testing can be conducted pursuant to N.C. Gen. Stat. § 15A-269;

2. Provide the North Carolina Innocence Inquiry Commission with a written accounting of all evidence collected, received, analyzed, kept, or maintained by each respective office in connection with this case;

3. Provide the North Carolina Innocence Inquiry Commission with copies of destruction orders for any evidence collected in connection with this case that has since been destroyed;

4. Provide the North Carolina Innocence Inquiry Commission with copies of all requests for and results or reports of scientific testing previously conducted in this matter;

5. Inform the North Carolina Innocence Inquiry Commission, in writing, of the existence, location and custodian of any evidence in this matter still in existence; and

6. Preserve all physical evidence collected, received, analyzed, kept, or maintained in connection with the investigation and/or prosecution of this matter, to specifically include all evidence introduced at the trial of this matter, pending further Order of this Court and/or resolution of the Commission's current inquiry regarding this matter.

This the 10 day of June 2010.

The Honorable Quentin T. Sumner

Senior Resident Superior Court Judge, Nash County Chairman, North Carolina Innocence Inquiry Commission

CERTIFICATE OF SERVICE

The undersigned hereby certifies that the foregoing *Motion and Order to*Preserve and Produce Evidence was served upon the following persons or their attorneys by depositing a copy of the same, postage pre-paid, in an official depository of the United States Postal Service, addressed as follows:

Robeson County Sheriff Department Sheriff Kenneth Sealey 120 Legend Rd Lumberton, NC 28358

Red Springs Police Department Chief Steven H. Gillikin 218 South Main Street Red Springs, NC 28377-1622

Robeson County District Attorney's Office District Attorney Johnson Britt Courthouse Box 19 Lumberton, N.C. 28358

Robeson County Clerk's Office Clerk of Superior Court Renae Hunt PO Box 1084 Lumberton NC 28359-1084

Bladen County Clerk's Office Clerk of Superior Court Niki Dennis PO Box 2619 Elizabethtown NC 28337

Cumberland County Clerk's Office Clerk of Superior Court Linda Priest P.O Box 363 Fayetteville, NC 28301 North Carolina State Bureau of Investigation Mr. John Waters Post Office Box 29500 Raleigh, North Carolina 27626

This the <u>May</u> day of June, 2010.

NORTH CAROLINA INNOCENCE INQUIRY COMMISSION

Sharon Stellato

Staff Investigator
Post Office Box 2448

Raleigh, North Carolina 27602 Telephone: (919) 890-1580 Facsimile: (919) 890-1937

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200 000 1 12 1d

Red Springs Police Department

218 South Main St. Red Springs NC 28377 910-843-3454 Fax 910-843-5747 www.Kevindlock@vahoo.com

August 31, 2010

To: Luther Johnson Britt District Attorney

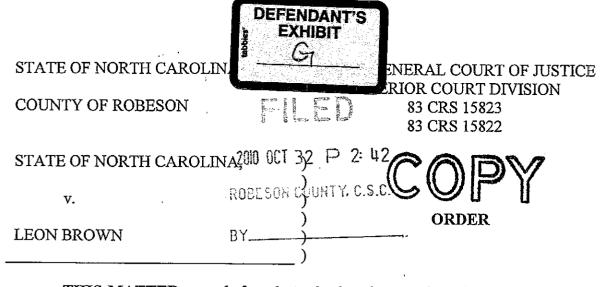
From: Captain Kevin Locklear Red Springs Police Dept

Mr. Britt

In the case concerning Leon Brown 83CRS15823 and 83CRS15822. I have searched our Evidence files and have found no evidence that was retained by our agency.

If I can be of any further assistance in this matter, please feel free to contact me.

Captain Kevin Locklear



THIS MATTER came before the undersigned on motion of the North Carolina Innocence Inquiry Commission ("Commission"), pursuant to N.C.G.S. §§ 15A-903(a) and 15A-1467(d), for an order commanding the Red Springs Police Department to produce for inspection and copying, a complete copy of the investigative file maintained by the Red Springs Police Department in the murder of Sabrina Buie, including all documents related to Leon Brown and/or the co-defendant, Henry McCollum. It appearing to the Court, based on the motion and authority cited therein, that said motion is properly before it, pursuant to N.C.G.S. § 15A- 1467, and that the same should be allowed;

IT IS THEREFORE ORDERED, ADJUDGED AND DECREED that the Commission's Motion for Production of Law Enforcement Files Maintained by the Red Springs Police Department is hereby granted. Within fifteen (15) days of the entry of this order, the Red Springs Police Department shall produce for inspection and copying by the Commission:

- 1. A complete copy of the Red Springs Police Department's investigative file pursuant to N.C.G.S. § 15A-903(a)(1);
- 2. Complete copies of all other notes, files, records, documents, writings, memorandums, recordings or data compilations in any form (collectively "Records"), in

the possession, custody or control of the Red Springs Police Department, which refer or relate in any way to the murder of Sabrina Buie, including all documents related to Leon Brown and/or the co-defendant, Henry McCollum or any of the matters investigated therein;

- 3. To the extent that any such Records have been destroyed, an affidavit from the records custodian identifying the Records destroyed, and the date, time, place and manner of destruction, together with complete copies of any records retention schedules and/or policies which authorized the destruction;
- 4. To the extent that any such Records are no longer in the possession of the Red Springs Police Department and/or cannot be found, an affidavit from the records custodian outlining the disposition of such Records, if known, the efforts undertaken to locate and obtain the missing Records, and a certification that, after a diligent search, no Records (or no further Records) responsive to this order could be located.

This the 21 day of October, 2010.

The Honorable Quentin T. Sumner

Senior Resident Superior Court Judge, Nash County

Chairman, North Carolina Innocence Inquiry Commission

CERTIFICATE OF SERVICE

The undersigned hereby certifies that on October 28, 2010, the foregoing *Motion* and Order for Production of Law Enforcement Files Maintained by Red Springs Police Department was served upon the following by depositing a copy of the same, postage pre-paid, in an official depository of the United States Postal Service, pursuant to Rule 5(b), addressed as follows:

Red Springs Police Department Chief Steven H. Gillikin 218 South Main Street Red Spring, NC 28377-1622

This the 28th day of October, 2010.

Sharon Stellato

Staff Investigator

P.O. Box 2448

Raleigh, NC 27602

Tel: (919) 890-1580 Fax: (919) 890-1937





Report of Laboratory Examination

13988 Diplomat Dr. Suite 100 Dallas TX 75234 Phone: 1-800-752-2774 Fax: 214-271-8322

August 22, 2014 Supplemental - FR12-0230-D

Lindsey Guice Smith

North Carolina Innocence Inquiry Commission

901 Corporate Center Drive

Raleigh, NC 27607

SUBJECT:

Sabrina Buie

SUSPECTS:

Leon Brown; Henry McCollum Darrell Suber; Roscoe Artis

Christopher Brown

CELLMARK FORENSICS NO: FR12-0230

AGENCY CASE NO:

83 CRS 15822-23

ADD'L AGENCY NO:

F04-5119/F11-10724

EXHIBITS				
Client Item	CF Item	Received	Item Description	PCR
11-10724-11	FR12-0230-01.01	11/27/2012	DNA Extract:Panties II - Crotch	Y
11-10724-11	FR12-0230-02.01	11/27/2012	DNA Extract:Panties II - Side	Y
11-10724-11	FR12-0230-03.01	11/27/2012	DNA Extract:Panties	Ý
11-10724	FR12-0230-04.01	11/28/2012	DNA Extract:Reagent Blank (RNC Q 05-04-11 CC)	Y
I1-10724	FR12-0230-05.01		DNA Extract:Reagent Blank (RNC-Y 5-26-11 KL)	Ÿ
83 CRS 15822-23-SE27	FR12-0230-06.01		Panties: Victim	N
83 CRS 15822-23-SE27	FR12-0230-06.02	2/12/2014	Stick	N
83 CRS 15822-23-SE33	FR12-0230-07.01	2/12/2014	Bra:Victim	N
83 CRS 15822-23-SE33	FR12-0230-07.02	2/12/2014	Stick	N
83 CRS 15822-23-SE1	FR12-0230-08.01	2/12/2014	Shirt: Victim	N
83 CRS 15822-23-SE2	FR12-0230-09.01	2/12/2014	Pants: Victim	N
83 CRS 15822-23-SE3	FR12-0230-10.01	2/12/2014	Vest:Victim	N
83 CRS 15822-23-SE4	FR12-0230-10.02	2/12/2014	Shoe:Left	N
83 CRS 15822-23-SE4	FR12-0230-10.03	2/12/2014	Shoe:Right	N
83 CRS 15822-23-SE18	FR12-0230-11.01	2/12/2014	Stick	Y
83 CRS 15822-23-01	FR12-0230-12.01	2/12/2014	Buccal Swab - Leon Brown	Ÿ
83 CRS 15822-23-01	FR12-0230-12.02	2/12/2014	Buccal Swab - Leon Brown	N
83 CRS 15822-23-02	FR12-0230-13.01	2/12/2014	Buccal Swab - Henry McCollum	Y
83 CRS 15822-23-02	FR12-0230-13.02	2/12/2014		N
83 CRS 15822-23-4	FR12-0230-14.01		Buccal Swab - Darrell Suber	Y
83 CRS 15822-23-4	FR12-0230-14.02	2/19/2014	Buccal Swab - Darrell Suber	N
04-5119-1-cig	FR12-0230-15.01	11/27/2012	DNA Extract: Cigarette Butt	Y
83 CRS 15822-23-8	FR12-0230-16.01	7/15/2014	Buccal Swab - Roscoe Artis	Y
83 CRS 15822-23-8	FR12-0230-16.02	7/15/2014	Buccal Swab - Roscoe Artis	Y
83 CRS 15822-23-6	FR12-0230-17.01	8/1/2014	Hair:Right Shoe	Y
83 CRS 15822-23-6	FR12-0230-17.02	8/1/2014	Hair:Right Shoe	Y
83 CRS 15822-23-6	FR12-0230-17.03	8/1/2014	Hair:Right Shoe	Y
83 CRS 15822-23-6	FR12-0230-17.04	8/1/2014	Hair:Right Shoe	Y
83 CRS 15822-23-5	FR12-0230-18.01	8/1/2014	Hair:Outside of Shirt (As Received)	Y

Client Item	CF Item	Received	Item Description	PCR
83 CRS 15822-23-5	FR12-0230-18.02	8/1/2014	Hair:Outside of Shirt (As Received)	Y
83 CRS 15822-23-5	FR12-0230-18.03	8/1/2014	Hair:Outside of Shirt (As Received)	Y
83 CRS 15822-23-5	FR12-0230-19.01	8/1/2014	Hair:Inside of Shirt (As Received)	Y
83 CRS 15822-23-5	FR12-0230-19.02	8/1/2014	Hair Inside of Shirt (As Received)	Y
83 CRS 15822-23-5	FR12-0230-19.03	8/1/2014	Hair:Inside of Shirt (As Received)	Y
83 CRS 15822-23-5	FR12-0230-19.04	8/1/2014	Hair:Inside of Shirt (As Received)	Ŷ
83 CRS 15822-23-5	FR12-0230-19.05	8/1/2014	Hair:Inside of Shirt (As Received)	Y
83 CRS 15822-23-5	FR12-0230-19.06	8/1/2014	Hair:Inside of Shirt (As Received)	Y
83 CRS 15822-23-5	FR12-0230-20.01	8/1/2014	Hair:Inside of Shirt (As Received)	Ý
83 CRS 15822-23-5	FR12-0230-20.02	8/1/2014	Hair:Inside of Shirt (As Received)	N
83 CRS 15822-23-10(h)	FR12-0230-21.01	8/8/2014	Beer Can: "Schlitz"	Ý
83 CRS 15822-23-10(h)	FR12-0230-21.02	8/8/2014	Vaseline Jar	N.
83 CRS 15822-23-10(h)	FR12-0230-21.03	8/8/2014	Gum	N
83 CRS 15822-23-10g(a)	FR12-0230-22.01	8/8/2014	Wrapper:Victim's Body	Y
83 CRS 15822-23-10g(b)	FR12-0230-23.01	8/8/2014	Fingernail:Left Hand - Sabrina Buie	Y
83 CRS 15822-23-10g(c)	FR12-0230-24.01	8/8/2014	Fingernail Clippings:Right Hand - Sabrina Buie	Y
83 CRS 15822-23	FR12-0230-25.01	8/12/2014	Finger print card:Removed From Schlitz Beer Can	Y
			Near Field	•
83 CRS 15822-23	FR12-0230-26.01	8/12/2014	Finger print card:Removed from Schlitz Beer Can at Shed	Y
83 CRS 15822-23	FR12-0230-26.02	8/12/2014	Finger print card:Removed From Chewing Gum Package, In Shed	Y
83 CRS 15822-23	FR12-0230-26.03	8/12/2014	Finger print card:Removed From Schlitz Beer Can Near Field	Y
83 CRS 15822-23-10(b)	FR12-0230-27.01	8/8/2014	Hair:Pubic Hair Combings - Sabrina Buie	N
83 CRS 15822-23-10(b)	FR12-0230-28.01	8/8/2014	Pubic Hair - Sabrina Buie	N
83 CRS 15822-23-10(b)	FR12-0230-29.01	8/8/2014	Pubic Hair - Christopher Brown	N
83 CRS 15822-23-SE4	FR12-0230-30.01	6/27/2014	Shoe:Left	N
83 CRS 15822-23-SE4	FR12-0230-30.02	6/27/2014	Shoe:Right	Y
83 CRS 15822-23-SE3	FR12-0230-30.03	6/27/2014	Vest:Victim	N
83 CRS 15822-23	FR12-0230-31.01	8/1/2014	Buccal Swab - Leon Brown	Y
83 CRS 15822-23	FR12-0230-31.02	8/1/2014	Buccal Swab - Leon Brown	N
83 CRS 15822-23	FR12-0230-32.01	8/1/2014	Buccal Swab - Henry McCollum	Y
83 CRS 15822-23	FR12-0230-32.02	8/1/2014	Buccal Swab - Henry McCollum	N
83 CRS 15822-23	FR12-0230-33.01		Buccal Swab - Darrell Suber	Y
83 CRS 15822-23	FR12-0230-33.02		Buccal Swab - Darrell Suber	N
83 CRS 15822-23-10(b)	FR12-0230-34.01	8/8/2014	Hair:Blouse	Y
83 CRS 15822-23-10(b)	FR12-0230-35.01	8/8/2014	Hair: Victim's pubic hair combings	Y
83 CRS 15822-23-10(b)	FR12-0230-35.02	8/8/2014	Hair: Victim's pubic hair combings	Y
11-10724			Small Ziplock Bag:DNA Extracts	N
11-10724			Small Ziplock Bag:DNA Extracts	N
5119			Microcentrifuge Tube:Reagent Blank (RNC K 12/28/10 MAH)	N
83 CRS 15822-23-SE5			Large Manila Envelope:Red Plastic Bead/Hair Band	N
83 CRS 15822-23-SE16			Large Manila Envelope:Two Sticks and Additional Unsealed Envelope	N
83 CRS 15822-23	NOT EXAMINED	2/12/2014	FedEx Envelope:Empty	N

Client Item	CF Item	Received	Item Description	PCR
83 CRS 15822-23-SE17	NOT EXAMINED	2/12/2014	Large Manila Envelope: Matches and Cigarette Butt	N
83 CRS 15822-23-SE28	NOT EXAMINED	2/12/2014	Rape Evidence Kit	N
83 CRS 15822-23-SE20/SE21	NOT EXAMINED	2/12/2014	Brown Paper Bag:3 Beer Cans, Empty Envelope and Plastic Six Pack	N
83 CRS 15822-23-SE27	NOT EXAMINED		Small Ziplock Bag:Swab of Stick Packaged with Panties	N
83 CRS 15822-23-SE33	NOT EXAMINED		Small Brown Paper Bag: Victim's Bra	N
83 CRS 15822-23-SE2	NOT EXAMINED		Large Brown Paper Bag: Victim's Pants	N
83 CRS 15822-23-SE1	NOT EXAMINED		Large Brown Paper Bag: Victim's Shirt	N
83 CRS 15822-23	NOT EXAMINED		Small Ziplock Bag:Extracts	N
04-5119-1-cig	NOT EXAMINED	11/27/2012	Microcentrifuge Tube:Cigarette Butt (1:5)	N
83 CRS 15822-23	NOT EXAMINED	8/1/2014	Ziplock Bag:DNA Extracts	N
83 CRS 15822-23-SE28	NOT EXAMINED	8/1/2014	Rape Evidence Kit	N
83 CRS 15822-23-6	NOT EXAMINED	8/1/2014	Paper Fold:Possible Hair Collected from Vest	N
83 CRS 15822-23-6	NOT EXAMINED	8/1/2014	Paper Fold:Possible Hair Collected from Right Shoe [Empty]	N
83 CRS 15822-23-5	NOT EXAMINED	8/1/2014	Paper Fold:Debris/Vegetative Debris from Shirt	N
83 CRS 15822-23-5	NOT EXAMINED	8/1/2014	Paper Fold:~3 Possible Hairs from Outside of Shirt [Empty]	N
83 CRS 15822-23-5	NOT EXAMINED		Paper Fold:~7 Possible Hairs from Inside of Shirt [Empty]	N
83 CRS 15822-23-10(e)	NOT EXAMINED		Large Brown Paper Bag:Sheet from Body of Sabrina Buíe	N
83 CRS 15822-23-10(f)	NOT EXAMINED		Large Brown Paper Bag:Sheet from ME Office, Body Wrapped In	И
83 CRS 15822-23-10(d)	NOT EXAMINED	8/8/2014	Large Manila Envelope:Paper Bag Found in Shed	N
83 CRS 15822-23-10(a)	NOT EXAMINED	8/8/2014	Plastic Tupperware Container: Closed Sandwich Box	N
83 CRS 15822-23-10(b)	NOT EXAMINED		Coin Envelope:Sabrina Buie Known Head Hair	N
	NOT EXAMINED		Coin Envelope:Darrell Suber Known Head Hair	N
	NOT EXAMINED		Coin Envelope: Anal Swab Hair - Empty	N
	NOT EXAMINED		Small Plastic Bag:Hair/fiber L Buttock Sabrina Buie	N
	NOT EXAMINED		Slide Holder:Christopher Brown Known Head Hair	N
83 CRS 15822-23-10(b)	NOT EXAMINED	8/8/2014	Slide Holder:Darrell Suber Known Pubic Hair	N

Previously submitted and tested items 12, 13, and 14 were resubmitted to Cellmark Forensics on August 1, 2014 and reprocessed as items 31, 32, and 33. Additional items were also resubmitted on August 1, 2014.

RESULTS

Mitochondrial DNA (mtDNA) from exhibits 16.02, 17.02, 18.03, 20.01, 31.01, 32.01, and 33.01 was amplified and sequenced at Hypervariable Regions I and II of the Mitochondrial Control Region. Mitochondrial DNA from exhibits 17.03 and 19.02 was amplified at Hypervariable Regions I and II but only sequenced at Hypervariable Region I due to insufficient mtDNA following amplification. Mitochondrial DNA from exhibits 17.01, 17.04, 18.01, 18.02, 19.01, 19.03, 19.04, 19.05, and 19.06 was amplified at Hypervariable Regions I and II but not sequenced due to insufficient mtDNA following amplification. Sequence data are presented as variations from the Revised Cambridge Reference Sequence (rCRS). Bases not specifically listed are consistent with rCRS. The results obtained for each tested sample are listed in Table 1 (see attachment). Due to the maternal inheritance of mtDNA, maternal relatives are expected to share

the same mtDNA profile. This report supplements Cellmark Forensics' Laboratory Report FR12-0230-C dated July 29, 2014.

CONCLUSIONS

FR12-0230-17.01.1

Insufficient mitochondrial DNA from the hair from the right shoe was obtained following amplification. Therefore, no sequence data were generated and no conclusion can be reached regarding the origin of the sample.

FR12-0230-17.02.1

A mitochondrial DNA profile was obtained from the hair from the right shoe. Leon Brown (FR12-0230-31.01.1), Henry McCollum (FR12-0230-32.01.1), Darrell Suber (FR12-0230-33.01.1), and Roscoe Artis (FR12-0230-16.02.1) are excluded as contributors of the mitochondrial DNA obtained from this sample.

FR12-0230-17.03.1

A partial mitochondrial DNA profile was obtained from the hair from the right shoe, Leon Brown (FR12-0230-31.01.1), Henry McCollum (FR12-0230-32.01.1), and Darrell Suber (FR12-0230-33.01.1) are excluded as contributors of the mitochondrial DNA obtained from this sample. The partial mitochondrial DNA sequence obtained from this hair contains a single base variation from the sequence obtained from Roscoe Artis (FR12-0230-16.02.1). Therefore, no conclusion can be made regarding Roscoe Artis as a contributor.

FR12-0230-17.04.1

Insufficient mitochondrial DNA from the hair from the right shoe was obtained following amplification. Therefore, no sequence data were generated and no conclusion can be reached regarding the origin of the sample.

FR12-0230-18.01.1

Insufficient mitochondrial DNA from the hair from the outside of the shirt (as received) was obtained following amplification. Therefore, no sequence data were generated and no conclusion can be reached regarding the origin of the sample.

FR12-0230-18.02.1

Insufficient mitochondrial DNA from the hair from the outside of the shirt (as received) was obtained following amplification. Therefore, no sequence data were generated and no conclusion can be reached regarding the origin of the sample.

FR12-0230-18.03.1

A mitochondrial DNA profile was obtained from the hair from the outside of the shirt (as received). Leon Brown (FR12-0230-31.01.1), Henry McCollum (FR12-0230-32.01.1), Darrell Suber (FR12-0230-33.01.1), and Roscoe Artis (FR12-0230-16.02.1) are excluded as contributors of the mitochondrial DNA obtained from this sample.

FR12-0230-19.01.1

Insufficient mitochondrial DNA from the hair from the inside of the shirt (as received) was obtained following amplification. Therefore, no sequence data were generated and no conclusion can be reached regarding the origin of the sample.

FR12-0230-19.02.1

A partial mitochondrial DNA profile was obtained from the hair from the inside of the shirt (as received). Leon Brown (FR12-0230-31.01.1), Henry McCollum (FR12-0230-32.01.1), Darrell Suber (FR12-0230-33.01.1), and Roscoe Artis (FR12-0230-16.02.1) are excluded as contributors of the mitochondrial DNA obtained from this sample.

FR12-0230-19.03.1

Insufficient mitochondrial DNA from the hair from the inside of the shirt (as received) was obtained following amplification. Therefore, no sequence data were generated and no conclusion can be reached regarding the origin of the sample.

FR12-0230-19.04.1

Insufficient mitochondrial DNA from the hair from the inside of the shirt (as received) was obtained following amplification. Therefore, no sequence data were generated and no conclusion can be reached regarding the origin of the sample.

FR12-0230-19.05.1

Insufficient mitochondrial DNA from the hair from the inside of the shirt (as received) was obtained following amplification. Therefore, no sequence data were generated and no conclusion can be reached regarding the origin of the sample.

FR12-0230-19.06.1

Insufficient mitochondrial DNA from the hair from the inside of the shirt (as received) was obtained following amplification. Therefore, no sequence data were generated and no conclusion can be reached regarding the origin of the sample.

FR12-0230-20.01.1

A mitochondrial DNA profile was obtained from the hair from the inside of the shirt (as received) which was in two pieces and packaged separately from the other hair fragments. Leon Brown (FR12-0230-31.01.1), Henry McCollum (FR12-0230-32.01.1), Darrell Suber (FR12-0230-33.01.1) and Roscoe Artis (FR12-0230-16.02.1) are excluded as contributors of the mitochondrial DNA obtained from this sample.

Mitochondrial DNA testing on items 28, 29, 34 and 35 is pending further testing.

DISPOSITION

In the absence of specific instruction, evidence will be returned to the submitting agency by Federal Express or another appropriate carrier.

REVIEW

The results described in this report have been reviewed by the following individuals:

Analyst:

Romy I. Harco

Technical Reviewer:

luma Nasir / Associate Laboratory Director

Procedures used in the analysis of this case adhere to the Quality Assurance Standards for Forensic DNA Testing Laboratories. Cellmark Forensics is accredited by the American Society of Crime Laboratory Directors/Laboratory Accreditation Board. The results in this report relate only to the items tested.

cc: Kendra Montgomery-Blinn North Carolina Innocence Inquiry Commission 901 Corporate Center Drive Raleigh, NC 27607