



2024-1474 Officer Involved Critical Incident - 16100 Van Aken Blvd., Shaker Heights, OH

Investigative Activity:	BCI Laboratory Firearm Report
Involves:	De'Shawn Vaughn (S)
Activity Date:	06/13/2024
Activity Location:	4055 Highlander Parkway, Richfield, Ohio 44286
Authoring Agent:	SA Andrew J. Harasimchuk #170

Narrative:

On June 13, 2024, Ohio Bureau of Criminal Investigation (BCI) Special Agent (SA) Andrew Harasimchuk (Harasimchuk) received the BCI Laboratory Analysis report for items submitted to the BCI Laboratory on May 17, 2024. The analysis requested was to determine or confirm which firearm was the source weapon for the recovered projectiles and cartridge casings.

Thirty-eight items were submitted to the lab for analysis. In addition, thirteen items from BCI investigation 2024-1472 were compared to some of the thirty-eight items that were submitted to the laboratory for this case.

The report originated from the Firearms section of the laboratory and was authored by Forensic Scientist Regan Lambert.

SA Harasimchuk reviewed this report and noted the following:

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2024-1474

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BCI Case #	Lab Item #	Matrix Item #	Scene Item #	Description	Result
2024-1474	2	4	CS 1 Item #4	9mm Luger cartridge case	
2024-1474	3	5	CS 1 Item #5	9mm Luger cartridge case	
2024-1474	5	9	CS 1 Item #9	9mm Luger cartridge case	
2024-1474	6	11	CS 1 Item #11	9mm Luger cartridge case	
2024-1474	7	12	CS 1 Item #12	9mm Luger cartridge case	
2024-1474	8	13	CS 1 Item #13	9mm Luger cartridge case	
2024-1474	9	14	CS 1 Item #14	9mm Luger cartridge case	
2024-1472	7	26	CS Item #16	9mm Luger cartridge case	
2024-1472	8	27	CS Item #17	9mm Luger cartridge case	Fired by the Taurus, G2C, 9mm firearm
2024-1472	9	28	CS Item #18	9mm Luger cartridge case	bearing a serial number of ACJ267311
2024-1472	10	29	CS Item #19	9mm Luger cartridge case	(Lab Item #4/Matrix Item #8/CS 1 Item #8)
2024-1472	12	32	CS Item #22	9mm Luger cartridge case	
2024-1472	14	34	CS Item #24	9mm Luger cartridge case	
2024-1472	15	35	CS Item #25	9mm Luger cartridge case	
2024-1472	17	37	CS Item #27	9mm Luger cartridge case	
2024-1472	19	40	CS Item #30	9mm Luger cartridge case	
2024-1472	1	9	ME Item #10	fired bullet	
2024-1472	3	11	ME Item #12	fired bullet	
2024-1472	25	46	CS Item #1.1	fired bullet	
2024-1474	1	3	CS 1 Item #3	fired bullet	Inconclusive for the Taurus, G2C, 9mm firearm bearing a serial number of
2024-1472	2	10	ME Item #11	fired bullet	ACJ267311 (Lab Item #4/Matrix Item #8/CS 1 Item #8)

BCI Investigation 2024-1474 BCI Lab Item #1, a fired bullet (Matrix Item #3/CS 1 Item #3) was intercompared with BCI Investigation 2024-1472 BCI Lab Item #2 a fired bullet (Matrix Item #10/ME #11) and found to be inconclusive.

BCI Case #	Lab Item #	Matrix Item #	Crime Scene Item #	Description	Result
2024-1472	1	9	ME Item #10	fired bullet	Inconclusive for BCI Investigation 2024-
2024-1472	3	11	ME Item #12	fired bullet	1474 BCI Lab #1, a fired bullet (Matrix Item #3/CS 1 Item #3) and BCI Investigation 2024-1472 BCI Lab #2 a
2024-1472	25	46	CS Item #1.1	fired bullet	fired bullet (Matrix Item #10/ME #11)

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BCI Investigation 2024-1474 BCI Lab Item #10, 3 fired copper jacket fragments (Matrix Item #15/CS 1 Item #15) were unsuitable for comparison.

BCI Investigation 2024-1474 BCI Lab Item #10, 4 fired copper jacket fragments (Matrix Item #15/CS 1 Item #15) were intercompared and found to be inconclusive.

BCI Case #	Lab Item #	Matrix Item #	Crime Scene Item #	Description	Result
2024-1474	20	26	CS 2 Item #11	5.56mm NATO cartidge cases	
2024-1474	21	27	CS 2 Item #12	5.56mm NATO cartidge cases	Fired by the Tactical Machining 5.56
2024-1474	22	28	CS 2 Item #13	5.56mm NATO cartidge cases	NATO semi-automatic rifle, Model TM-
2024-1474	23	29	CS 2 Item #14	5.56mm NATO cartidge cases	15, bearing a serial number of (Lab Item #11/Matrix Item #16/ CS 2 Item
2024-1474	24	30	CS 2 Item #15	5.56mm NATO cartidge cases	(Lab item #11/Mattix item #10/ 032 item #1)
2024-1474	25	31	CS 2 Item #16	5.56mm NATO cartidge cases	

BCI Case #	Lab Item #	Matrix Item #	Crime Scene Item #	Description	Result
2024-1474	30	36	CS 2 Item #21	308 Winchester cartridge case	
2024-1474	31	37	CS 2 Item #22	(2) 308 Winchester cartridge cases	Fired by the Remington 30 caliber class
2024-1474	32	38	CS 2 Item #23	(3) 308 Winchester cartridge cases	bolt-action rifle, Model 700, bearing a
2024-1474	33	39	CS 2 Item #24	308 Winchester cartridge case	serial number of (Lab Item
2024-1474	34	40	CS 2 Item #25	(5) 308 Winchester cartridge cases	#12/Matrix Item #17/ CS 2 Item #2)
2024-1474	35	41	CS 2 Item #26	308 Winchester cartridge case	

BCI Investigation 2024-1474 BCI Lab Item #10, 4 fired copper jacket fragments (Matrix Item #15/CS 1 Item #15) and 2024-1474 BCI Lab Item #38, 4 fired copper jacket fragments (Matrix Item #54/ME Item #26) were compared to the Remington 30 caliber class bolt-action rifle, Model 700, bearing a serial number of **Exercise** (Lab Item #12/Matrix Item #17/CS 2 Item #2) and found to be inconclusive.

BCI Case #	Lab Item #	Matrix Item #	Crime Scene Item #	Description	Result
2024-1474	26	32	CS 2 Item #17	223 Remington cartridge case	Fired by the Remington 30 caliber class
2024-1474	27	33	CS 2 Item #18	(5) 223 Remington cartridge cases	bolt-action rifle, Model 700, bearing a
2024-1474	28	34	CS 2 Item #19	223 Remington cartridge case	serial number of (Lab Item
2024-1474	29	35	CS 2 Item #20	223 Remington cartridge case	#13/Matrix Item #18/ CS 2 Item #3)

BCI Investigation 2024-1474 BCI Lab Item #10, 4 fired copper jacket fragments (Matrix Item #15/ CS 1 Item #15) and 2024-1474 BCI Lab Item #38, 4 fired copper jacket fragments (Matrix Item #54/ME Item #26) were compared to the Remington 30 caliber

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class bolt-action rifle, Model 700, bearing a serial number of **Mathematical** (Lab Item #13/Matrix Item #18/CS 2 Item #3) and found to be inconclusive.

BCI Case #	Lab Item #	Matrix Item #	Crime Scene Item #	Description	Result
2024-1474	14	19	CS 2 Item #4	223 Remington cartridge case	
2024-1474	15	20	CS 2 Item #5	223 Remington cartridge case	Fired by the Sig Sauer 5.5mm NATO semi-
2024-1474	16	21	CS 2 Item #6	223 Remington cartridge case	automatic rifle, Model SIGM400, bearing a serial number of (Lab Item
2024-1474	17	22	CS 2 Item #7	223 Remington cartridge case	#19/Matrix Item #24/ CS 2 Item #9)
2024-1474	18	23	CS 2 Item #8	223 Remington cartridge case	

BCI Investigation 2024-1474 BCI Lab Item #37, 2 lead fragments (Matrix Item #53/ME Item #25) were unsuitable for comparison.

The following should be noted in relation to the Remington 30 caliber class bolt-action rifle, Model 700, bearing a serial number of **Mathematical** (Lab Item #12/Matrix Item #17/CS 2 Item #2) and the Remington 30 caliber class bolt-action rifle, Model 700, bearing a serial number of **Mathematical** (Lab Item #13/Matrix Item #18/CS 2 Item #3):

**For Items #12 and 13 the caliber was not marked anywhere on the firearm. Chambering/cycling of cartridges was conducted, and ultimately 308 Winchester cartridges were used for testing due to being able to chamber/cycle correctly as well as due to the evidence cartridge cases that the firearms were microscopically compared to.

It also should be noted that Lab Item #30 (Matrix Item #35), a 308 Winchester cartridge case was inadvertently labeled as CS 2 Item #20 on the BCI firearms report. Lab Item #30 (Matrix Item #35), a 308 Winchester cartridge case should have been labeled as CS 2 Item #21.

References:

None

Attachments:

1. BCI Laboratory #24-33693 - Firearms Report - Dated 2024-06-13

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Bureau of Criminal Investigation

Laboratory Report Firearms

To: Ohio Attorney General's Office **BCI Laboratory Number:** 24-33693 S/A Andrew Harasimchuk 24-33688 30 E. Broad Street Analysis Date: Issue Date: Columbus, OH 43215 May 21, 2024 June 13, 2024 Agency Case Number: 2024-1474 BCI Agent: Andrew Harasimchuk

Offense: Shooting Involving an Officer

Subject(s):

Victim(s):

Submitted on May 17, 2024 by Betsy Farris:

- Envelope containing bullet (Matrix Item 3) (Crime Scene 1-Item 3) 1. -One (1) fired bullet. 2. Envelope containing cartridge case recovered from the scene (Matrix Item 4) (crime scene 1 Item 4) -One (1) fired 9mm Luger cartridge case. Envelope containing cartridge case recovered from the scene (Matrix Item 5) (crime scene 3. 1 Item 5) -One (1) fired 9mm Luger cartridge case. 4. One box containing firearm (Serial #ACJ267311) recovered from the scene (Matrix Item 008) (Crime Scene 1, Item 008) -One (1) Taurus 9mm Luger semi-automatic, model G2C, serial number ACJ267311, one (1) magazine, and twenty-one (21) 9mm Luger cartridges. 5. Envelope containing cartridge case recovered from the scene (Matrix Item 9) (crime scene 1 Item 9)
 - -One (1) fired 9mm Luger cartridge case.
- Envelope containing cartridge case recovered from the scene (Matrix Item11) (crime scene 6. 1 Item 11)
 - -One (1) fired 9mm Luger cartridge case.
- 7. Envelope containing cartridge case recovered from the scene (Matrix Item 12) (crime

Please address inquiries to the office indicated, using the BCI case number.

[] BCI -Bowling Green Office 750 North College Drive Bowling Green, OH 43402 Phone: (419) 353-5603

[] BCI -London Office 1560 St Rt 56 SW P.O. Box 365 London, OH 43140 Phone:(740)845-2000

[X] BCI -Richfield Office 4055 Highlander Pkwy. Suite A Richfield, OH 44286 Phone:(330)659-4600

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scene 1 Item 12) -One (1) fired 9mm Luger cartridge case. 8. Envelope containing cartridge case recovered from the scene (Matrix Item 13) (crime scene1 Item 13) -One (1) fired 9mm Luger cartridge case. Envelope containing cartridge case recovered from the scene (Matrix Item 14) (crime 9. scene 1 Item 14) -One (1) fired 9mm Luger cartridge case. Envelope containing cartridge case recovered from the scene (Matrix Item 15) (crime 10. scene 1 Item 15) -Four (4) fired copper jacket fragments. One box containing firearm (Serial **Context**) (Matrix Item 16 Crime Scene 2, Item 1) 11. -One (1) Tactical Machining 5.56mm NATO semi-automatic rifle, model TM-15, serial , one (1) magazine, and fourteen (14) 5.56mm NATO cartridges. number 12. One box containing firearm (Serial N/A) (Matrix Item 017 Crime Scene 2, Item 2) -One (1) Remington 30 caliber class** bolt-action rifle, model 700, serial number 13.) (Matrix Item 018 Crime Scene 2-Item 3) One box containing firearm (Serial -One (1) Remington 30 caliber class** bolt-action rifle, model 700, serial number , one (1) magazine, and five (5) 308 Winchester cartridges. Envelope containing cartridge case (Matrix Item 19) (crime scene 2 Item 4) 14. -One (1) fired 223 Remington cartridge case. Envelope containing cartridge case (Matrix Item 20) (crime scene 2 Item 5) 15. -One (1) fired 223 Remington cartridge case. Envelope containing cartridge case (Matrix Item 21) (crime scene 2 Item 6) 16. -One (1) fired 223 Remington cartridge case. Envelope containing cartridge case (Matrix Item 22) (crime scene 2 Item 7) 17. -One (1) fired 223 Remington cartridge case. 18. Envelope containing cartridge case (Matrix Item 23) (crime scene 2 Item 8) -One (1) fired 223 Remington cartridge case. 19. One box containing firearm with magazine (Serial) (Matrix Item 024, Crime Scene 2, Item 9) -One (1) Sig Sauer 5.56mm NATO semi-automatic rifle, model SIGM400, serial number , one (1) magazine, and twenty-four (24) 223 Remington cartridges. 20. Envelope containing cartridge case (Matrix Item 26) (crime scene2 Item 11) -One (1) fired 5.56mm NATO cartridge case. 21. Envelope containing cartridge case (Matrix Item 27) (crime scene 2 Item 12) -One (1) fired 5.56mm NATO cartridge case. 22. Envelope containing cartridge case (Matrix Item 28) (crime scene 2 Item 13) -One (1) fired 5.56mm NATO cartridge case. 23. Envelope containing cartridge case (Matrix Item 29) (crime scene 2 Item 14) -One (1) fired 5.56mm NATO cartridge case. Envelope containing cartridge case (Matrix Item 30) (crime scene 2 Item 15) 24. -One (1) fired 5.56mm NATO cartridge case. Envelope containing cartridge case (Matrix Item 31) (crime scene 2 Item 16) 25. -One (1) fired 5.56mm NATO cartridge case.

- 26. Envelope containing cartridge case (Matrix Item 32) (crime scene 2 Item 17) -One (1) fired 308 Winchester cartridge case.
- 27. Envelope containing cartridge case (Matrix Item 33) (crime scene 2 Item 18) -*Five (5) fired 308 Winchester cartridge cases.*
- 28. Envelope containing cartridge case (Matrix Item 34) (crime scene 2 Item 19) -One (1) fired 308 Winchester cartridge case.
- 29. Envelope containing cartridge case (Matrix Item 35) (crime scene 2 Item 20) -One (1) fired 308 Winchester cartridge case.
- 30. Envelope containing cartridge case (Matrix item 36) (crime scene 2 item 20) -One (1) fired 308 Winchester cartridge case.
- 31. Envelope containing cartridge case (Matrix Item 37) (crime scene 2 Item 22) -*Two* (2) *fired 308 Winchester cartridge cases.*
- 32. Envelope containing cartridge case (Matrix Item 38) (crime scene 2 Item 23) -*Three (3) fired 308 Winchester cartridge cases.*
- 33. Envelope containing cartridge case (Matrix Item 39) (crime scene 2 Item 24) -One (1) fired 308 Winchester cartridge case.
- 34. Envelope containing cartridge case (Matrix Item 40) (crime scene 2 Item 25) -*Five (5) fired 308 Winchester cartridge cases.*
- 35. Envelope containing cartridge case (Matrix Item 41) (crime scene 2 Item 26) -One (1) fired 308 Winchester cartridge case.
- 37. Envelope containing bullet (Matrix Item 53) -*Two* (2) *lead fragments*.
- 38. Envelope containing bullet (Matrix Item 54) -One (1) copper jacket fragment.

24-33688 Submitted on May 17, 2024 by Betsy Farris:

- 1. Envelope containing bullet (Matrix Item 9) -One (1) fired bullet.
- 2. Envelope containing bullet (Matrix Item 10) -One (1) fired bullet.
- 3. Envelope containing bullet (Matrix Item 11) -One (1) fired bullet.
- Envelope containing cartridge case (Matrix Item 26)
 -One (1) fired 9mm Luger cartridge case.
- 8. Envelope containing cartridge case (Matrix Item 27) -One (1) fired 9mm Luger cartridge case.
- 9. Envelope containing cartridge case (Matrix Item 28) -One (1) fired 9mm Luger cartridge case.
- 10. Envelope containing cartridge case (Matrix Item 29) -One (1) fired 9mm Luger cartridge case.
- 12. Envelope containing cartridge case (Matrix Item 32) -One (1) fired 9mm Luger cartridge case.
- 14. Envelope containing cartridge case (Matrix Item 34) -One (1) fired 9mm Luger cartridge case.
- 15. Envelope containing cartridge case (Matrix Item 35) -One (1) fired 9mm Luger cartridge case.

- 17. Envelope containing cartridge case (Matrix Item 37) -One (1) fired 9mm Luger cartridge case.
- 19. Envelope containing cartridge case (Matrix Item 40) -One (1) fired 9mm Luger cartridge case.
- 25. Envelope containing bullet (Matrix Item 46) -One (1) fired bullet.

Findings

Item Description	Comparison	Conclusion
	N/A	Operable
Item #4: Taurus pistol	Items #2, 3, 5, 6, 7, 8, 9, and Items #7, 8, 9, 10, 12, 14, 15, 17, and 19 from BCI 24-33688: Sixteen (16) fired 9mm Luger cartridge cases.	Source Identification
	Items #1, 3, and 25 from BCI 24- 33688: Three (3) fired bullets	Source Identification
	Item #1 and Item #2 from BCI 24-33688: Two (2) fired bullets	Inconclusive*
Item #1 and Item #2 from BCI	Intercompared	Inconclusive*
24-33688: Two (2) fired bullets	Items #1, 3, and 25 from BCI 24- 33688: Three (3) fired bullets	Inconclusive*
Item #10 (fragment 3): One (1) fired copper jacket fragment	N/A	Unsuitable^
Item #10 (fragments 1, 2, and 4) and Item #38: Four (4) fired copper jacket fragments	Intercompared	Inconclusive*
	N/A	Operable
Item #11: Tactical Machining rifle	Items #20, 21, 22, 23, 24, and 25: Six (6) fired 5.56mm NATO cartridge cases	Source Identification
	N/A	Operable
Item #12: Remington rifle	Items #30, 31, 32, 33, 34, and 35: Thirteen (13) fired 308 Winchester cartridge cases	Source Identification
(S/N:	Item #10 (fragments 1, 2, and 4) and Item #38: Four (4) fired copper jacket fragments	Inconclusive*
Item #13: Remington rifle		Operable

Item Description	Comparison	Conclusion
(S/N:	Items #26, 27, 28, and 29: Eight	
	(8) fired 308 Winchester	Source Identification
	cartridge cases.	
	Item #10 (fragments 1, 2, and 4)	
	and Item #38: Four (4) fired	Inconclusive*
	copper jacket fragments	
	Items #14, 15, 16, 17, and 18:	
Item #19: Sig Sauer rifle	Five (5) fired 223 Remington	Source Identification
	cartridge cases	
Item #37: Two (2) lead	N/A	Unsuitable [^]
fragments		Clisuitable

*Similar class characteristics but insufficient corresponding individual characteristics to identify or exclude.

^Insufficient class and/or individual characteristics present.

Remarks

Four (4) BCI supplied cartridges and two (2) submitted cartridges were used for testing Item #4.

Six (6) submitted cartridges were used for testing Item #11.

Four (4) BCI supplied cartridges were used for testing Item #12.

Four (4) submitted cartridges were used for testing Item #13.

Ten (10) submitted cartridges were used for testing Item #19.

**For Items #12 and 13 the caliber was not marked anywhere on the firearm. Chambering/cycling of cartridges was conducted, and ultimately 308 Winchester cartridges were used for testing due to being able to chamber/cycle correctly as well as due to the evidence cartridge cases that the firearms were microscopically compared to.

BCI 24-33688 corresponds to Ohio Attorney General's Office 2024-1472.

All evidence will be returned to the submitting agency.

Analytical Detail

Analytical findings offered above were determined using visual, physical, and microscopic examinations / comparisons.

Ohio Bureau of Criminal Investigation BCI&I Richfield Date: June 13, 2024

Lab Case: 24-33693 Agency Case: 2024-1474

Men C. Hulwoh

Regan Lambert Forensic Scientist (234) 400-3711 Regan.Lambert@OhioAGO.gov

Based on scientific analyses performed, this report contains opinions and interpretations by the analyst whose signature appears above. Examination documentation and any demonstrative data supporting laboratory conclusions are maintained by BCI and will be made available for review upon request.

Your feedback is important to us! Please complete our Laboratory Satisfaction Survey at: https://www.surveymonkey.com/r/O9VOHL5

Lab Case: 24-33693 Agency Case: 2024-1474

Comparison Conclusion Scale

The following lists the conclusions a Forensic Scientist may reach when performing comparisons. In reaching a conclusion, a Forensic Scientist considers the similarities and dissimilarities and assesses the relative support of the observations under the following two propositions: the evidence originated from the same source or from a different source.

A Forensic Scientist may utilize their knowledge, training, and experience to evaluate how much support the observed similarities or dissimilarities provide for one conclusion over another. A conclusion shall not be communicated with absolute certainty. It is an interpretation of observations made by the Forensic Scientists and shall be expressed as an expert opinion.

1	Source Identification	The observations provide extremely strong support for the proposition that the evidence originated from the same source and the likelihood for the proposition that the evidence arose from a different source is so remote as to be considered a practical impossibility.
2	Support for Same Source	The observations provide more support for the proposition that the evidence originated from the same source rather than different sources; however, there is insufficient support for a Source Identification. The degree of support may range from limited to strong or similar descriptors of the degree of support. Any use of this conclusion shall include a statement of the factor(s) limiting a stronger conclusion.
3	Inconclusive	The observations do not provide a sufficient degree of support for one proposition over the other. Any use of this conclusion shall include a statement of the factor(s) limiting a stronger conclusion.
4	Support for Different Source	The observations provide more support for the proposition that the evidence originated from different sources rather than the same source; however, there is insufficient support for a Source Exclusion. The degree of support may range from limited to strong or similar descriptors of the degree of support. Any use of this conclusion shall include a statement of the factor(s) limiting a stronger conclusion.
5	Source Exclusion	The observations provide extremely strong support for the proposition that the evidence originated from a different source and the likelihood for the proposition that the evidence arose from the same source is so remote as to be considered a practical impossibility; or the evidence exhibits fundamentally different characteristics

We invite you to direct your questions to:

Abby Schwaderer, Quality Assurance Manager

(740) 845-2517 abby.schwaderer@ohioattorneygeneral.gov