Federal Bureau of Investigation
Computer Analysis Response Team
Washington Field Office

Examination Notes

Summary Information			
FBI Washington Field Office (WFO) Northern Virginia Resident Agency (NVRA) 9325 Discovery Boulevard Manassas, VA 20109		**Examiner:** Information Technology Specialist (ITS) Digital Forensic Examiner (DFE) [redacted]	
Case Agent: Special Agent (SA) [redacted]		**Legal Authority:** Consent	
Case ID: 266O-WF-3366725 **Subfile 1:** 266O-WF-3366725-CART **Subfile 2:** 266O-WF-3366725-SHAUNI_KERKHOFF		**Lead ID:** 15860973	
Date Service Requested: 11/6/2025	**Date Specimens Received:** 11/6/2025	**Date Exam Started:** 11/6/2025	**Date Exam Completed:** 12/18/2025
Hardware Utilized: ▪ **F5460683** – Dell Precision 7820 desktop computer, Windows 11 Enterprise, build number 26100.6584		**Software Utilized:** ▪ **AXIOM** – Magnet Forensics AXIOM v9.7.0 ▪ **Back This Up** – Back This Up v3.1.19.2 ▪ **GrayKey** – Magnet Forensics GrayKey App Bundle 7.1.0, OS 1.27.2	
Request Details: Immediate priority request; extract an Apple iPhone 12 Mini. Passcode: [redacted]			

Submitted Evidence			
Designation	Evidence ID	Barcode	Description
QWF_iPhone12Mini	N/A	N/A	One (1) 256 Gigabyte Apple iPhone 12 Mini, model A2176, serial number [redacted], International Mobile Equipment Identity (IMEI) [redacted], color light green/mint, with one (1) phone case.

Derivative Evidence		
Designation	Evidence ID	Description
DEWFMaster_15860973_ QWF_iPhone12Mini	1B81	One (1) 750 Gigabyte Western Digital hard drive, model WD7500BPKT-00PK4T0, serial number [redacted], containing full file system extraction of an Apple iPhone 12 Mini.
DEWFArchive_15860973 _QWF_iPhone12Mini (Tape 1/2 and 2/2)	1B83	Two (2) 6.25 Terabyte Hewlett Packard Enterprise Ultrium LTO 6 tapes, serial numbers [redacted] and [redacted] containing extraction, case processing data, and portable cases associated with CART request 15860973 and QWF_iPhone12Mini.

Communication Log	
Date	Notes
11/6/2025	**Contact with Case Agent**

CART EXAMINATION NOTES

	Contact with SA [redacted] and SA [redacted] regarding the request. Received consent form, passcode, and case ID.
11/7/2025	**Status Update** Provided a status update to SA [redacted]
11/7/2025	**Contact with Case Agents** Contact with SA [redacted] regarding the request. SA [redacted] reaffirmed that it was a high priority request and to expedite processing where possible. SA [redacted] also provided a list of individuals who would need access to the data on Case Agent Investigative Review (CAIR) for review of the data: • [redacted]
11/7/2025	**Contact with Digital Media Exploitation (DMX) Unit** Contact with SA [redacted] and DMX regarding transferring the extraction to them for multi-person review.
11/12/2025	**Contact with Case Agent** Contact with SA [redacted] regarding geolocation data and time frame of interest.
12/16/2025	**Request Closure** Received approval from the case team to archive and close out the request.

Pre-Examination Information	
Date	Notes
11/6/2025	**Verbal CART Service Request** Supervisory Special Agent (SSA) [redacted] verbally assigned CART request to extract a phone under consent authority.
11/6/2025	**Legal Authority Review** Legal Authority was reviewed; Legal authority to proceed with the examination was a signed consent form dated November 6, 2025.

CART EXAMINATION NOTES

11/6/2025	**Receipt of Evidence** Received the device from SA [redacted]. SA [redacted] provided the consent form and passcode for the device: [redacted]
11/6/2025	**Evidence Designation & Physical Inventory** Inventoried, labeled, and photographed evidence item(s). Descriptions of evidence item(s) can be located in the ***Submitted Evidence*** section of notes. • Photographs included in the accompanying 1A package.
11/7/2025	**Written CART Service Request** Assigned CART **Lead ID: 15860973**. See Sentinel Serial 2 under *266O-WF-3366725_SHAUNI_KERKHOFF*.

Imaging / Acquisition / Extraction – QWF_iPhone12Mini	
Date	Notes
11/6/2025	**Triage / Preview** Device was successfully unlocked. Enabled Airplane Mode, and disabled Wi-Fi and Bluetooth. Changed Auto-Lock from 1 minute to Never. Previewed the device and took photographs of device information.
11/6/2025	**Extraction** Utilized **GrayKey** to obtain a Full File System (FFS) of **QWF_iPhone12Mini** to a staging drive.
11/7/2025	**Pre-Examination Verification** Utilized **TeraCopy** with SHA256 hashing to copy and verify the FFS extraction of **QWF_iPhone12Mini** to **F5460683**. Verification log included in the accompanying 1A package.
11/7/2025	**Disposition of Evidence** Restored original auto-lock settings. Returned evidence item **QWF_iPhone12Mini** to SA [redacted]
11/7/2025	**Data Transfer to DMX** Transferred the FFS extraction to the operational network. Gave ITS [redacted] of the Digital Media Exploitation (DMX) unit access to the network location for transfer to DMX.
11/7/2025	**Derivative Evidence / Master Copy** Utilized **TeraCopy** to generate the following derivative evidence: • **DEWFMaster_15860973_QWF_iPhone12Mini** Descriptions of derivative evidence can be located in the ***Derivative Evidence*** section of notes.
Processing and Analysis – QWF_iPhone12Mini	
Date	Notes
11/7/2025	**AXIOM / Initial Processing** Utilized **AXIOM** on **F5460683** to process the FFS extraction from **QWF_iPhone12Mini**. Selected to process for all artifacts except File System Events and Unified Logs. Time zone set to UTC.
11/8/2025	**AXIOM / Portable Case**

CART EXAMINATION NOTES

	Utilized **AXIOM** to generate an **AXIOM** portable case of all data.
11/10/2025	**Derivative Evidence Submission** **DEWFMaster_15860973_QWF_iPhone12Mini** was submitted to the NVRA Evidence Control Center (ECR) as **1B81**.
11/12/1015	**Data on CAIR** SA [redacted] requested review on CAIR in addition to DMX. Notified the case team that the data was available for review on CAIR. The only individuals who were requested to have access to the case at the time were: • [redacted]
11/12/2025 - 11/13/2025	**AXIOM / Additional Analysis** SA [redacted] informed that the case team was interested in geolocation and all other data/activity during the timeframe of January 5, 2021, EST, between 7:30pm-8:30pm. SA [redacted] informed that the phone was not the one being used during this time period. Minimal data/activity was observed during that date/time period. No geolocation data appeared to be present during that timeframe. Provided information to SA [redacted]

Post-Examination	
Date	Notes
12/2/2025	**Post-Examination Verification** Utilized **TeraCopy** with SHA256 hashing to copy and verify the FFS extraction of **QWF_iPhone12Mini.** **TeraCopy** log included in the accompanying 1A package.
12/16/2025	**Derivative Evidence / Archive Copy** Utilized **Back This Up** to generate the following derivative evidence: • **DEWFArchive_15860973_QWF_iPhone12Mini (Tape 1/2 and 2/2)**
12/18/2025	**Submission of Derivative Evidence** **DEWFArchive_15860973_QWF_iPhone12Mini (Tape 1/2 and 2/2)** was submitted to the NVRA ECR as **1B83**.
- **NO FURTHER WORK PERFORMED** -	