

# Recognizing the Use of Steganography in Forensic Evidence (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 02

Student:

Alexis Cherpes

Email:

cherpea@ferris.edu

Time on Task:

2 hours, 44 minutes

Progress:

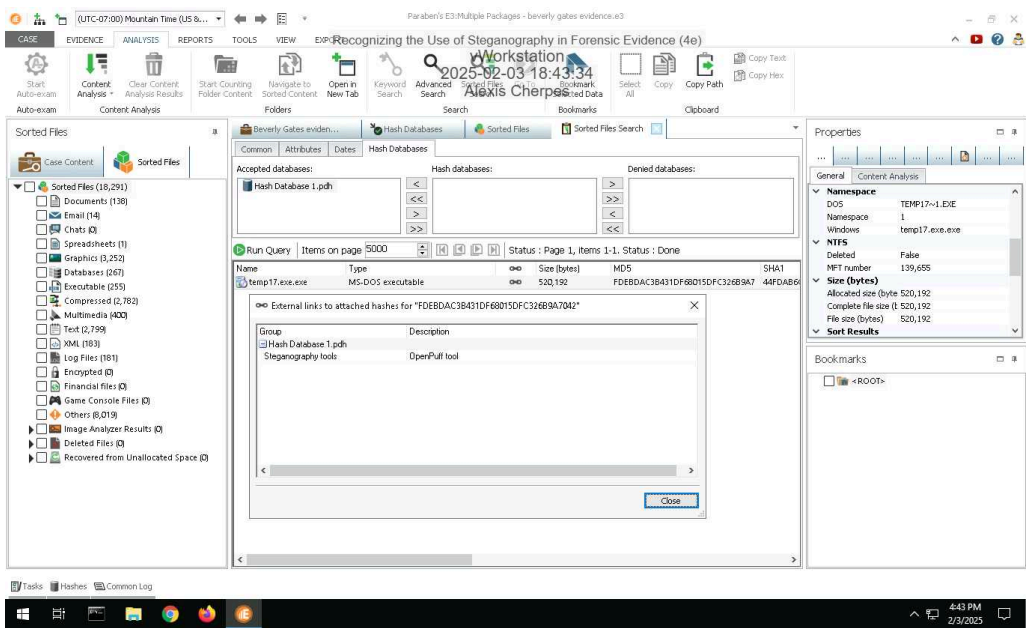
100%

Report Generated: Thursday, May 22, 2025 at 4:46 PM

## Section 1: Hands-On Demonstration

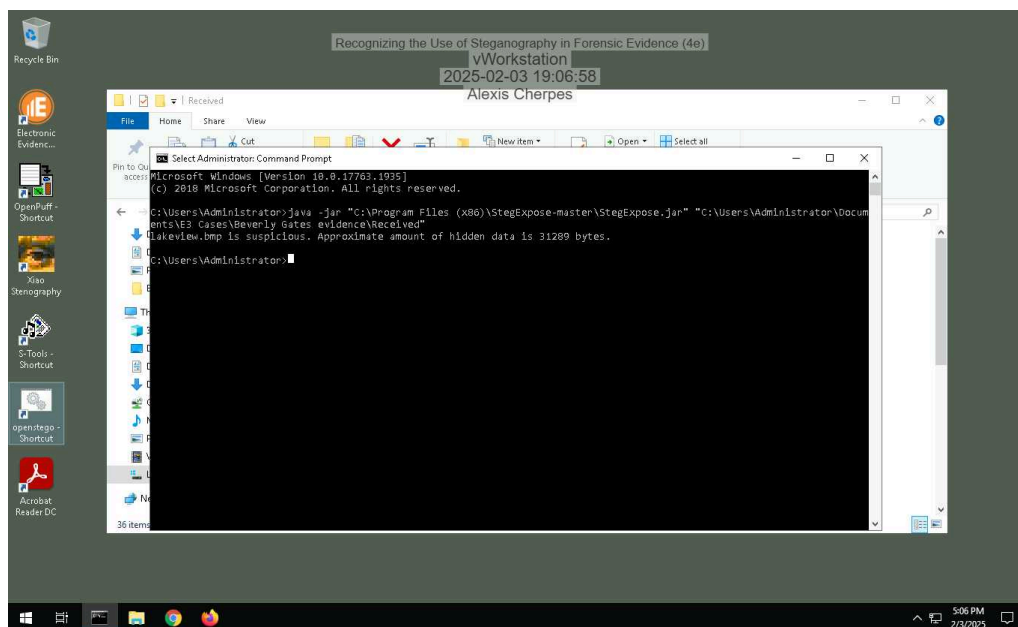
### Part 1: Detect Steganography Software on a Drive Image

14. Make a screen capture showing the search result and its description.

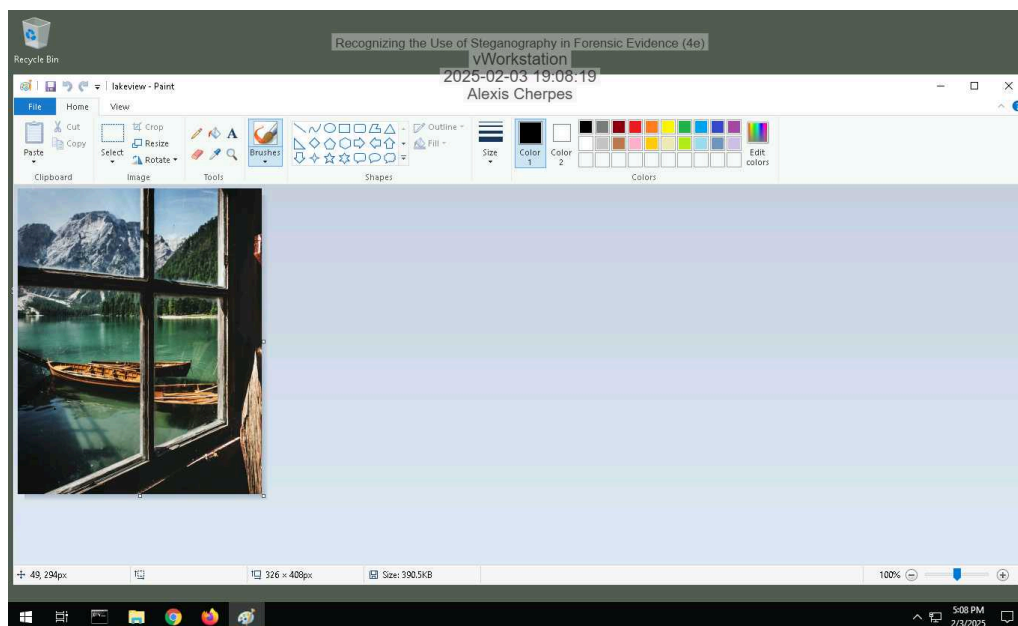


### Part 2: Detect Hidden Data in Image Files

### 10. Make a screen capture showing the **StegExpose** results.



### 13. Make a screen capture showing the **suspicious file** in **Microsoft Paint**.



## Part 3: Extract Hidden Data from Image Files

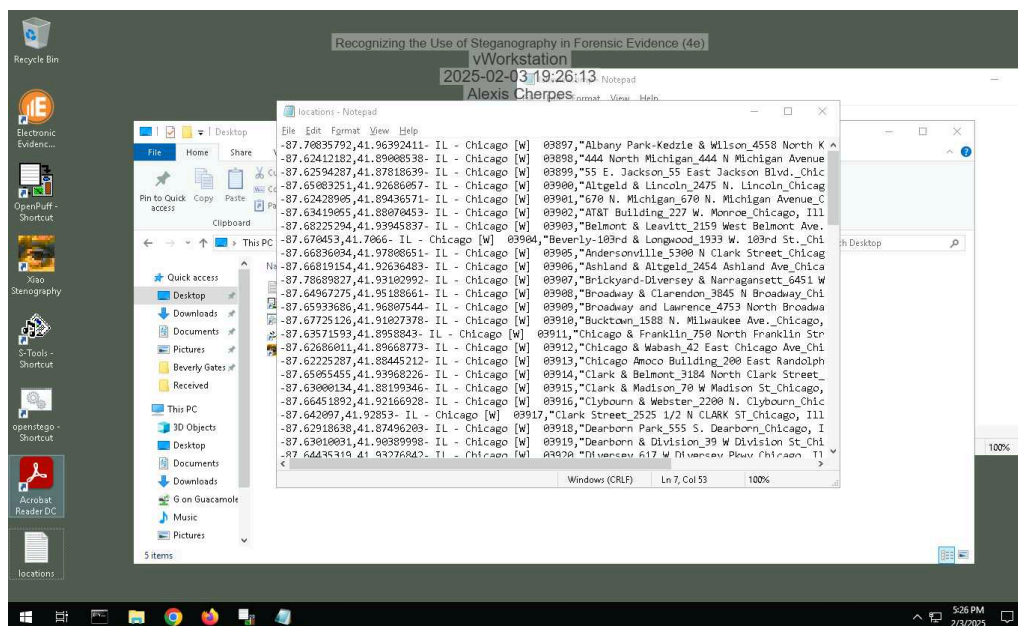
### 2. Record the passphrase saved in the ReadMe file.

landmarks

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### 16. Make a screen capture showing the contents of the file extracted by OpenPuff.



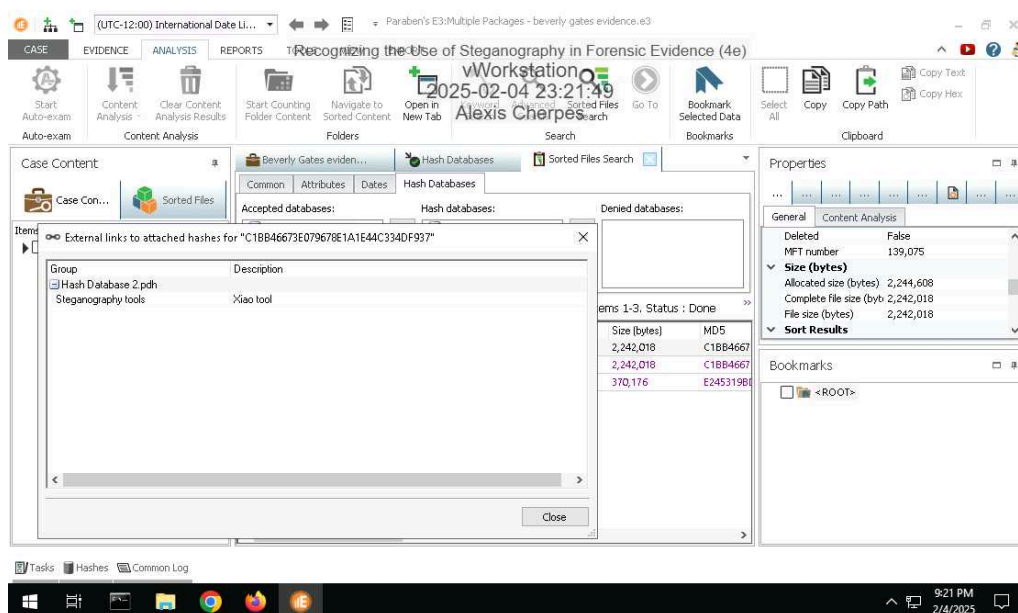
### 17. Describe the contents of the hidden file. How might it be relevant to the current investigation?

They are locations. It could be locations of drug drops or clients involved with drug trafficking.

### Section 2: Applied Learning

#### Part 1: Detect Steganography Software on a Drive Image

5. Make a screen capture showing the search result and its description.



#### Part 2: Detect Hidden Data in Image and Audio Files

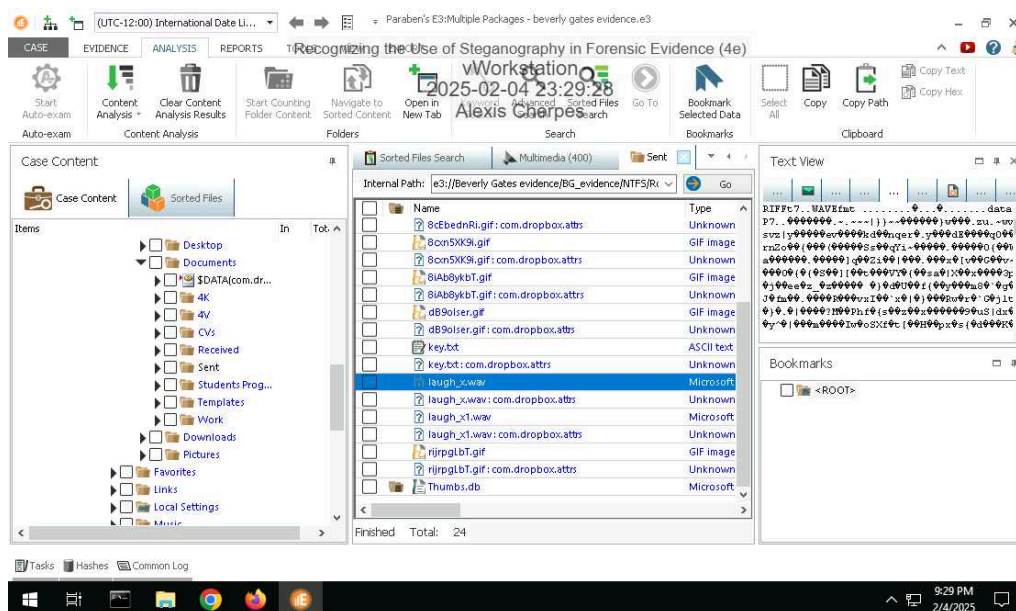
4. Identify the image file with concealed data according to the StegExpose steganalysis tool.

lakeview

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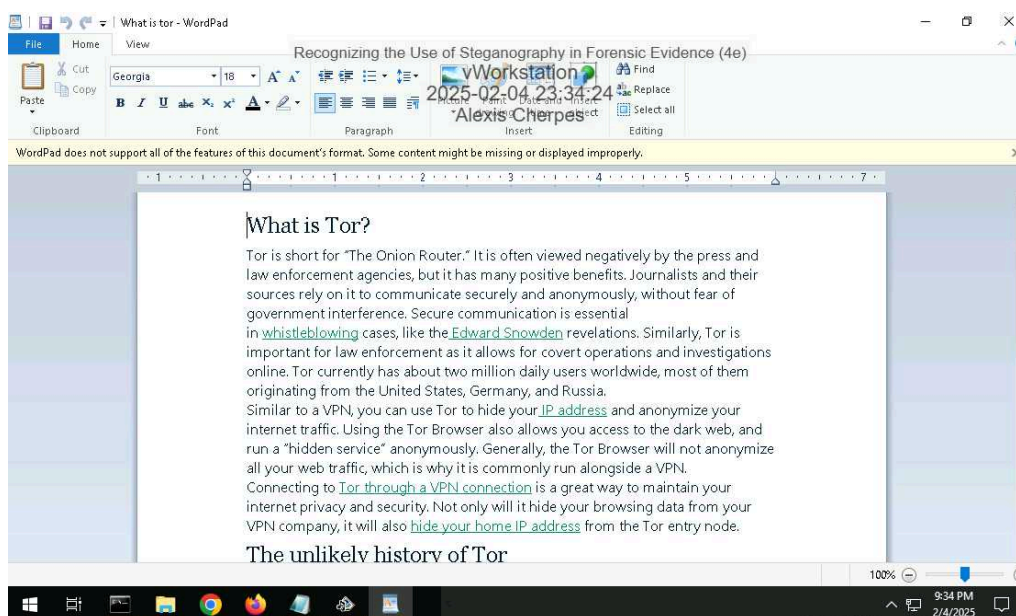
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### 7. Make a screen capture showing the WAV file sizes and hash values in E3.

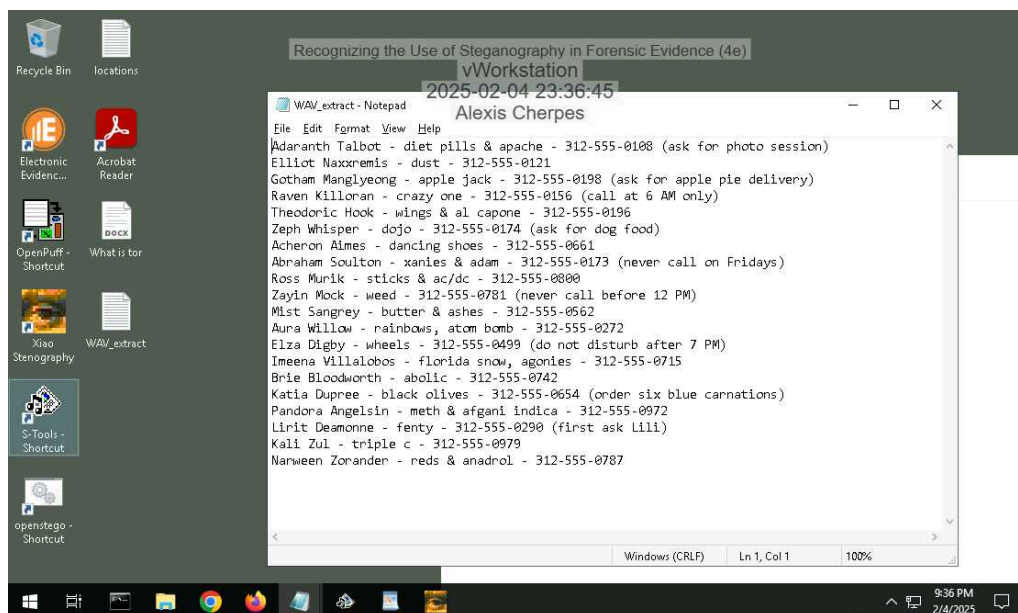


## Part 3: Extract Hidden Data from Image and Audio Files

### 9. Make a screen capture showing the contents of the hidden file extracted by S-Tools.



### 15. Make a screen capture showing the contents of the hidden file extracted by Xiao.



### 16. Describe the contents of the two hidden files. How might they be relevant to the current investigation?

This shows customers names, information, and numbers. The other file shows Tor, which is what people use to access the dark web. From here you can see how the seller is selling items and who they are selling to.



## Section 3: Challenge and Analysis

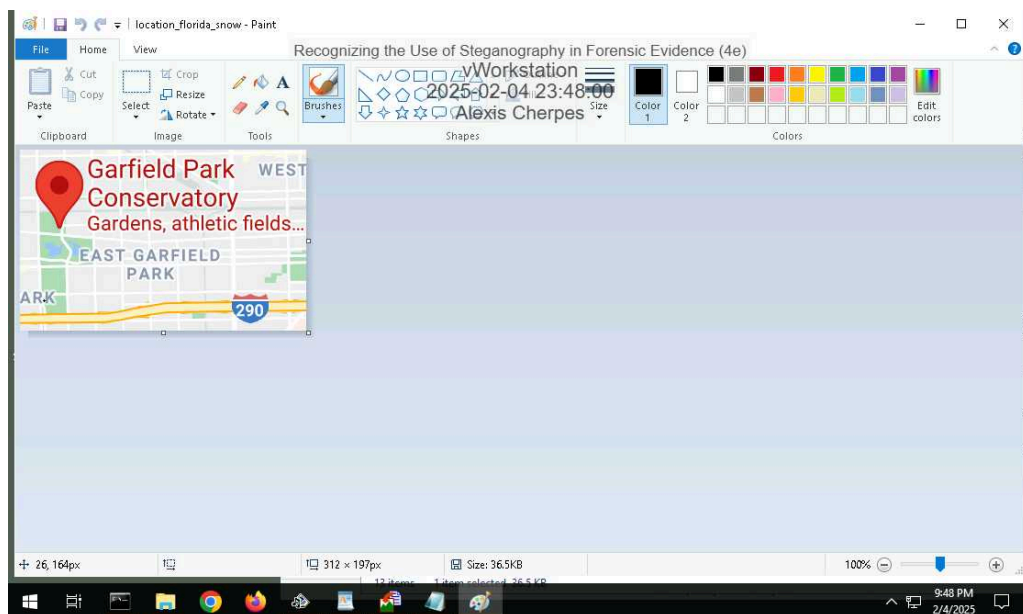
### Part 1: Detect More Hidden Data

**Record** the names of the files that contain concealed data.

Chicago and Chicago 1

### Part 2: Extract More Hidden Data

**Make a screen capture** showing the **first file extracted by OpenStego**.



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**Make a screen capture showing the second file extracted by OpenStego.**

