LAB 3: ANALYSIS OF TIM BERWULF'S DATA FILES

By: Team 6 -Lam Luong, William Zaourbekov, Keliang Wu, Sam Zheng

CASE #: CIS 481-006
SUSPECT NAME: TIM BERWULF
LOCATION SEIZED: EXPERT TRACKERS, LLC
COLLECTED BY: PROFESSOR TOBI WEST

Abstract

On the 27th day of Feb 2017, at approximately 6pm-8pm we started lab 3 in the lab room to collect evidence from suspect's hard drive. We took two weeks working on collecting and analyzing the evidence. We were given instructions to analyze facts collected via physical and digital observations and explain the causes and processes that occurred regarding the evidence analyzed using FTK version 6.1 and EnCase.

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Executive Summary

After collecting and analyzing the images and documents below, we have concluded that the suspects have violated the following statutes:

§ CFPC-R1: ***Possession of five (5) or more different graphic images of one or more rhinoceroses constitute a felony.***

§ CFPC-S1: ***Sailboats are taboo. It is illegal to buy, sell, rent, or travel in a sailboat.***

§ CFPC-S2: ***It is illegal to possess five (5) graphic images of sailboats, or any portion of a sailboat.***

§ CFPC-S3: ***Planning a voyage on a sailboat constitutes conspiracy.***

According to our findings from the disk image collected from Mr. Berwulf at Expert Tracker Company, there is a plethora of data that violates the 4 statutes above. Mr. Berwulf denies any wrongdoing and claims that any evidence found has been planted, which could be true since it is typical for everyone to leave their doors open throughout the day. Whether or not Mr. Berwulf has been framed is up to the court to decide. Provided is the evidence extracted from the hard drive corresponding to the 4 statutes listed above.

Violation of Statute § CFPC-R1

§ CFPC-R1: Possession of five (5) or more different graphic images of one or more rhinoceroses constitute a felony.

Images 1 to 11:

Image 1: *A photo collected from the suspect's hard drive that contains an image of a rhinoceros.*

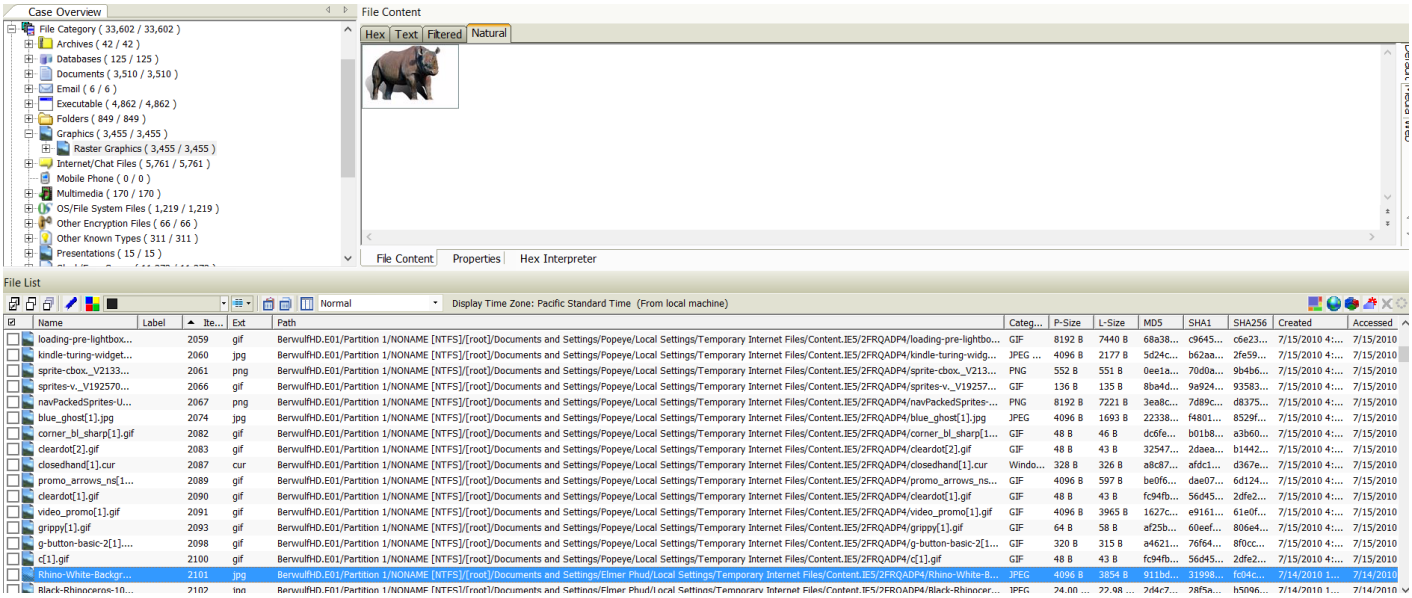


Image 2: *Another photo collected from the suspect's hard drive that contains an image of rhinoceros.*

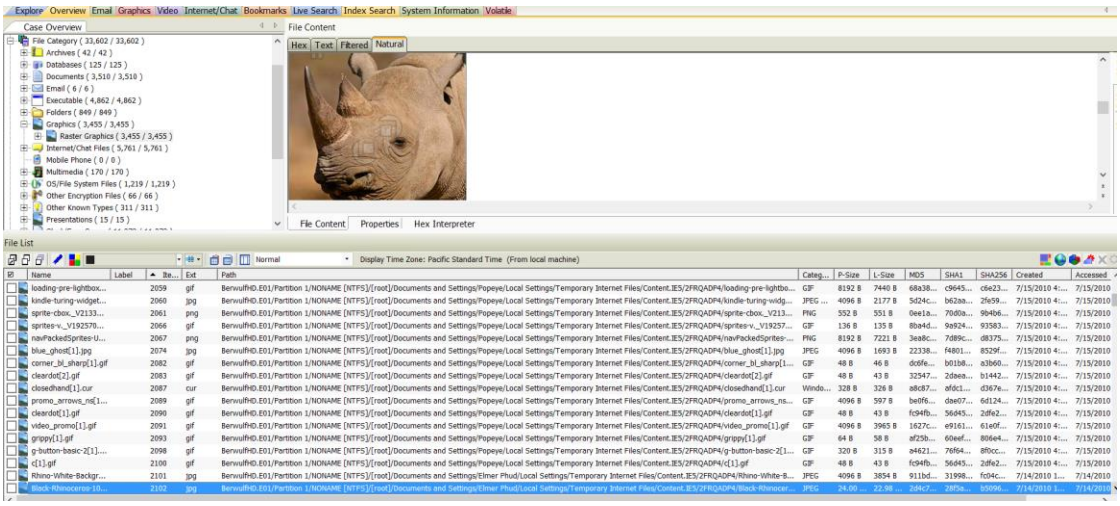


Image 3: *Another photo collected from the **suspect's** hard drive that contains an image of a rhinoceros being fed by a person. We can make a preliminary judgment that the suspect possesses one or more rhinoceroses or that they are learning with the intent of having one in the future.*

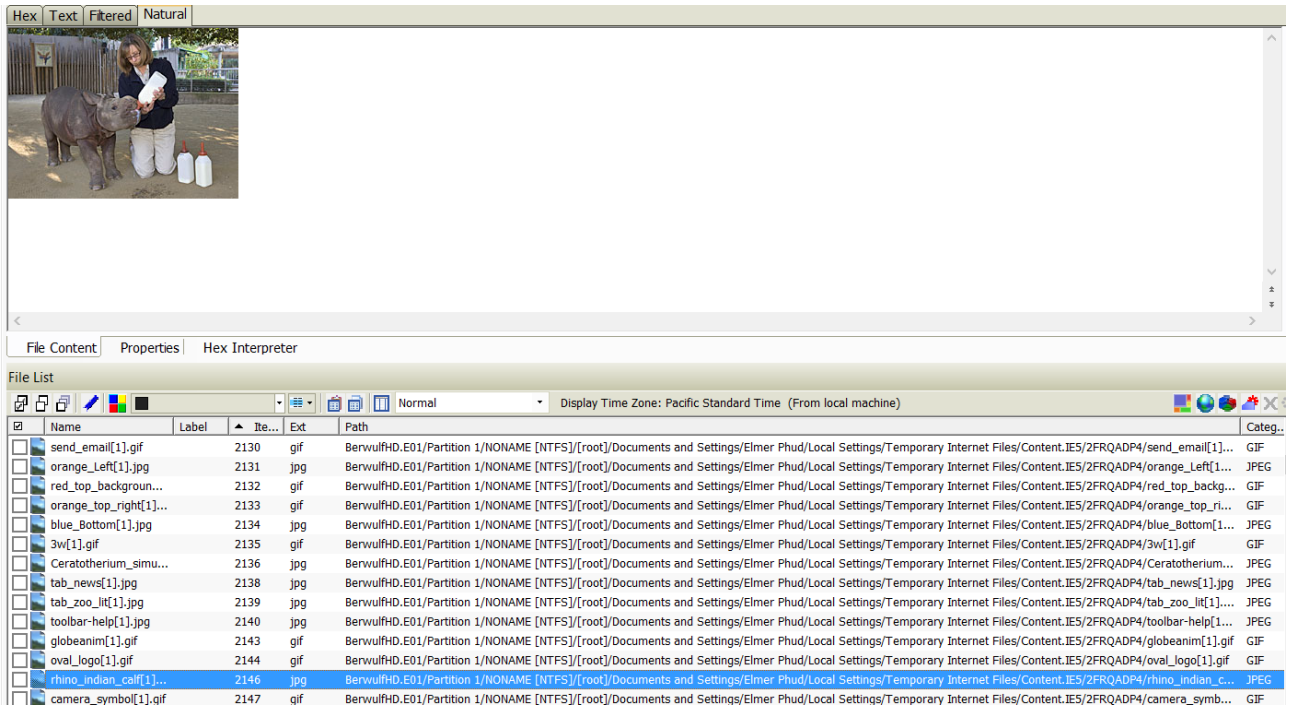


Image 4: *Another photo collected from the **suspect's** hard drive that contains an image of a rhinoceros, possibly because the suspect wants to search and buy rhinoceroses online.*

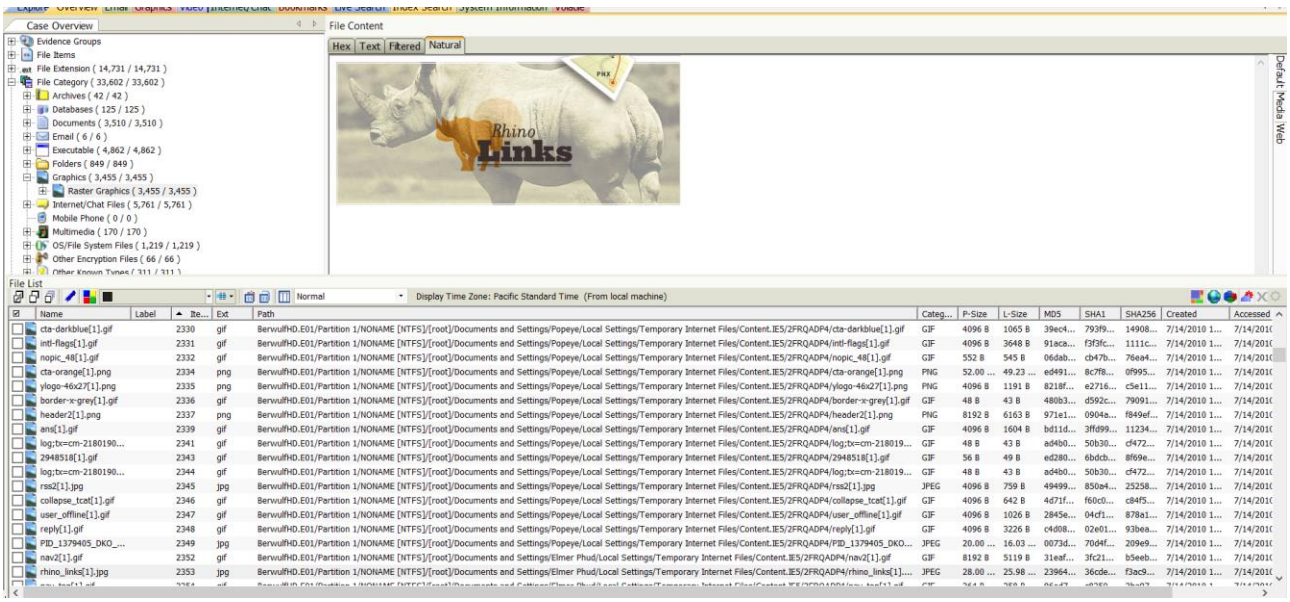


Image 5: *Another photo collected from the suspect's hard drive that contains an image of a rhinoceros.*

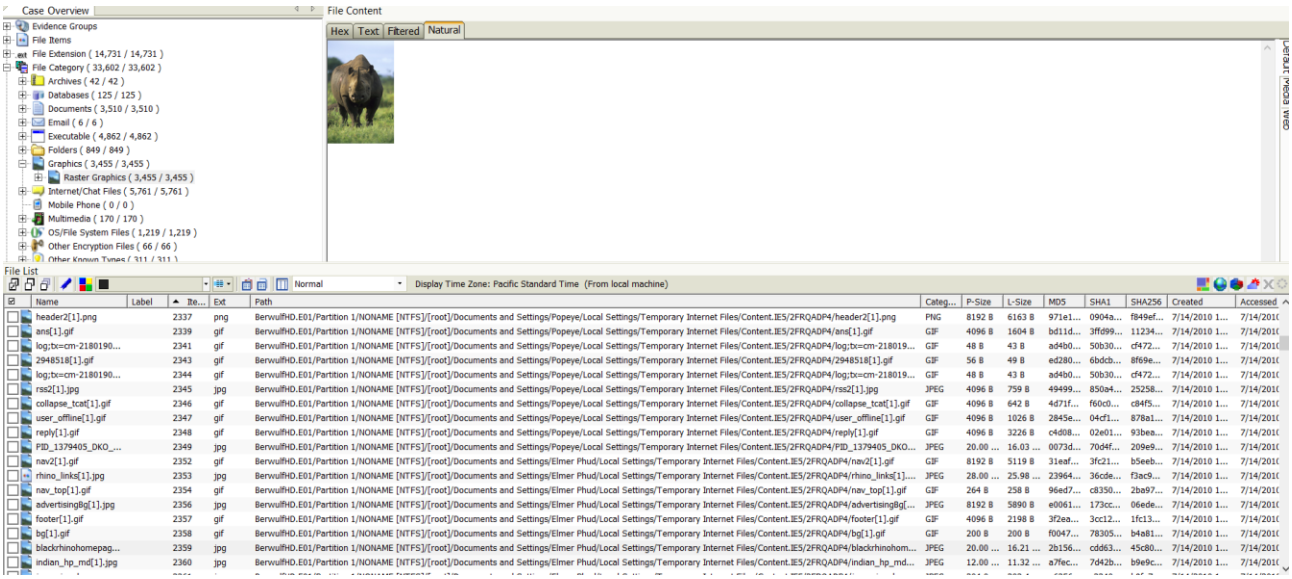


Image 6: *Photo collected from the suspect's hard drive that contains an image of a rhinoceros.*

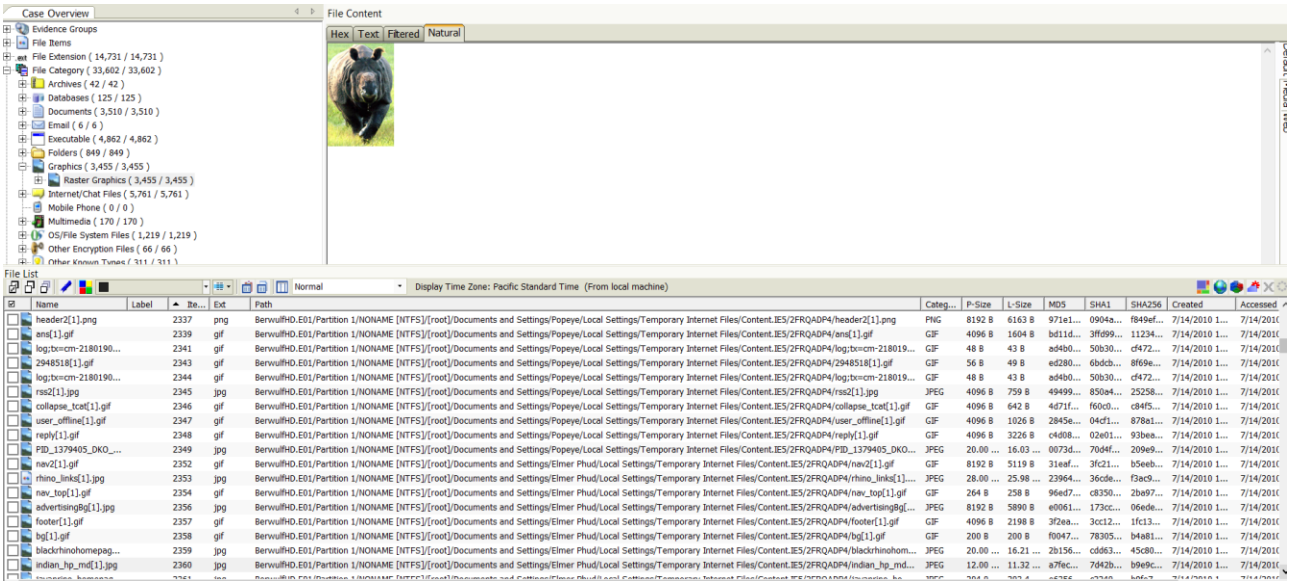


Image 7: *A photo collected from the **suspect's** hard drive that contains an image of a rhinoceros.*

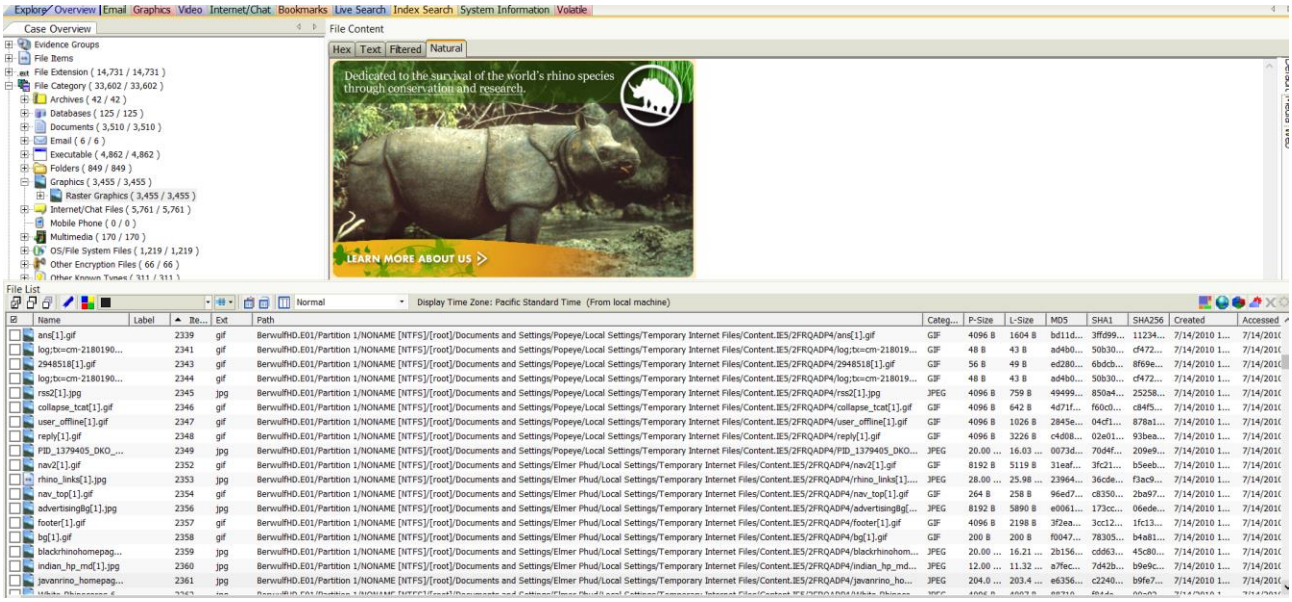


Image 8: *Another photo collected from the **suspect's** hard drive that contains an image of a rhinoceros.*

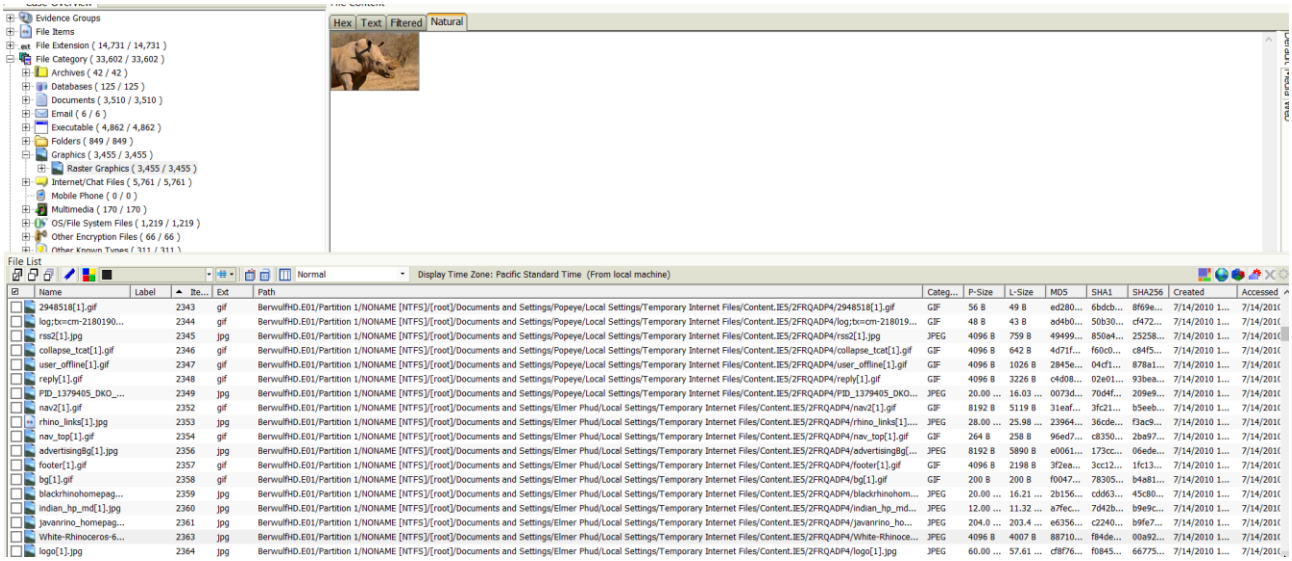


Image 9: *Another photo collected from the **suspect's** hard drive that contains an image of a rhinoceros.*

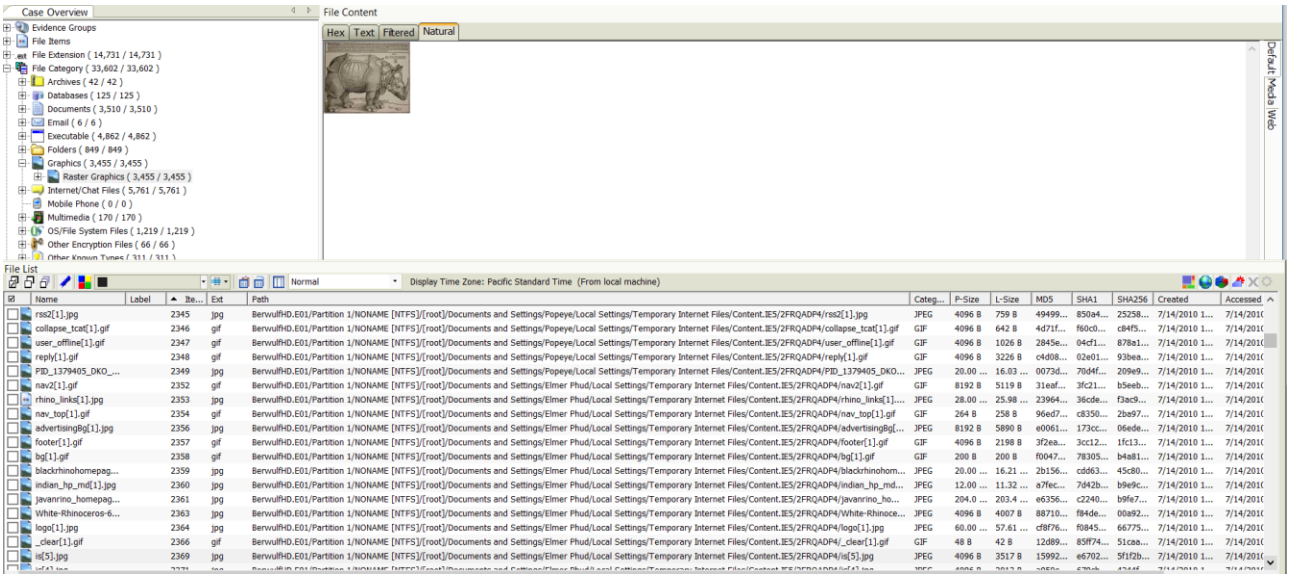


Image 10: *Another photo collected from the **suspect's** hard drive that contains an image of a rhinoceros.*

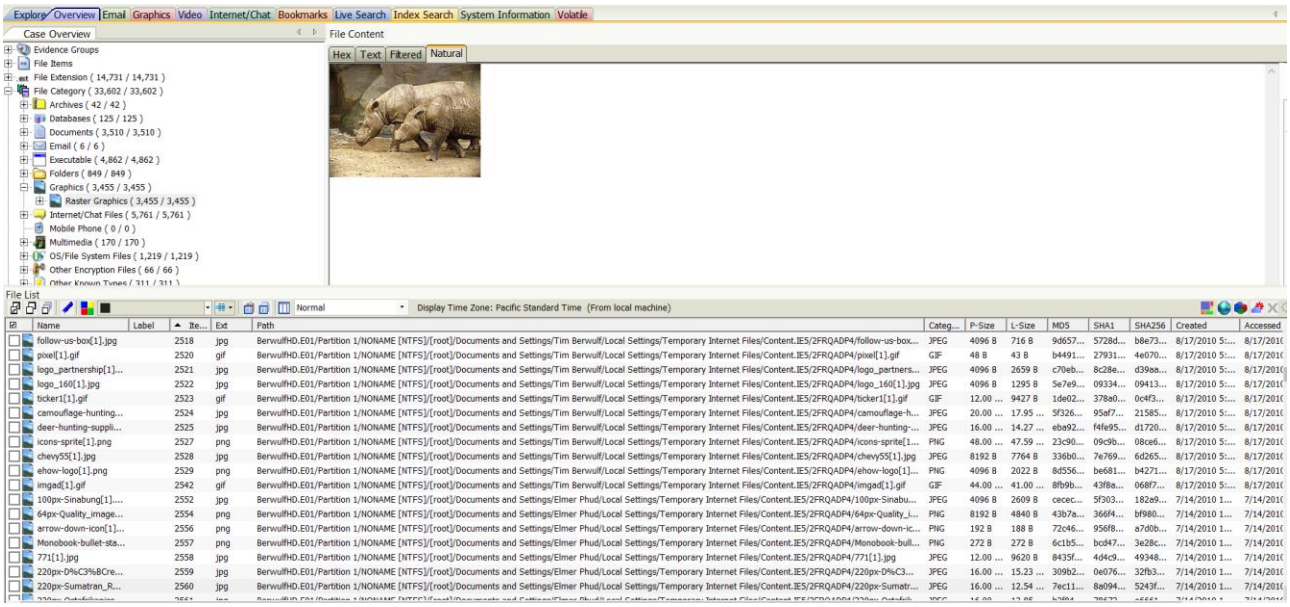
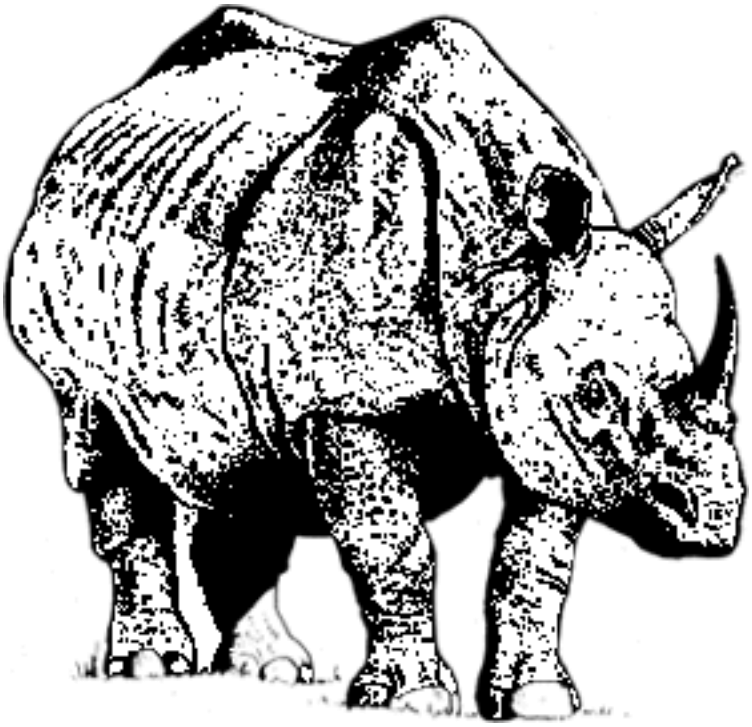


Image 11: *Another photo collected from the suspect's hard drive that contains an image of a rhinoceros.*

Location: *BerwulfHDE05-0:\RECYCLER\DC2*



Violation of Statute § CFPC-S1:

§ CFPC-S1: Sailboats are taboo. It is illegal to buy, sell, rent, or travel in a sailboat.

Image 12 – 15:

Image 12: *An e-mail from suspects Dan and Tricia indicating that they want to sell their sailboat, which violates the statute CFPC-S1.*

Dan and Trish - Eventyr Viewed 4123 time(s)

Contact User - Email To Friend - Add To Favorites (must be a registered user)

Posted By: **Dan & Trish aboard Eventyr** View all Album's from this User

Dan Forter and Tricia Corvi
Butler, PA

We are the second owners of Eventyr (IP40 hull #129) purchasing her in November 2004. We moved aboard December 1st to prepare for a cruise through the Caribbean and as far south as Venezuela. Departure will be mid-January from Marco Island, Florida.

Click on small pictures to view full size. Hold mouse over small pictures for descriptions if available.

Image 13: *Another record collected from the suspect's hard drive that contains information that shows the suspect's intent to travel.*

Baltic Cruise Viewed 2101 time(s)

Contact User - Email To Friend - Add To Favorites (must be a registered user)

Posted By: **Sebastian Kosog** View all Album's from this User

2 weeks of cruising the baltic sea in may/june 2006

Click on small pictures to view full size. Hold mouse over small pictures for descriptions if a

Image 14: *A search engine result for the following phrase "sailing guide bahamas" from the suspect's hard drive.*

Image 15: *A URL collected from the suspect's hard drive that contains some key words displaying the intent to do something regarding to sailboats.*

Violation of Statute § CFPC-S2:

§ CFPC-S2: It is illegal to possess five (5) graphic images of sailboats, or any portion of a sailboat.

Image 16 – 42:

Image 16: *A photo collected from the suspect's hard drive that contains an image of the interior of a sailboat. It appears to be some seats.*

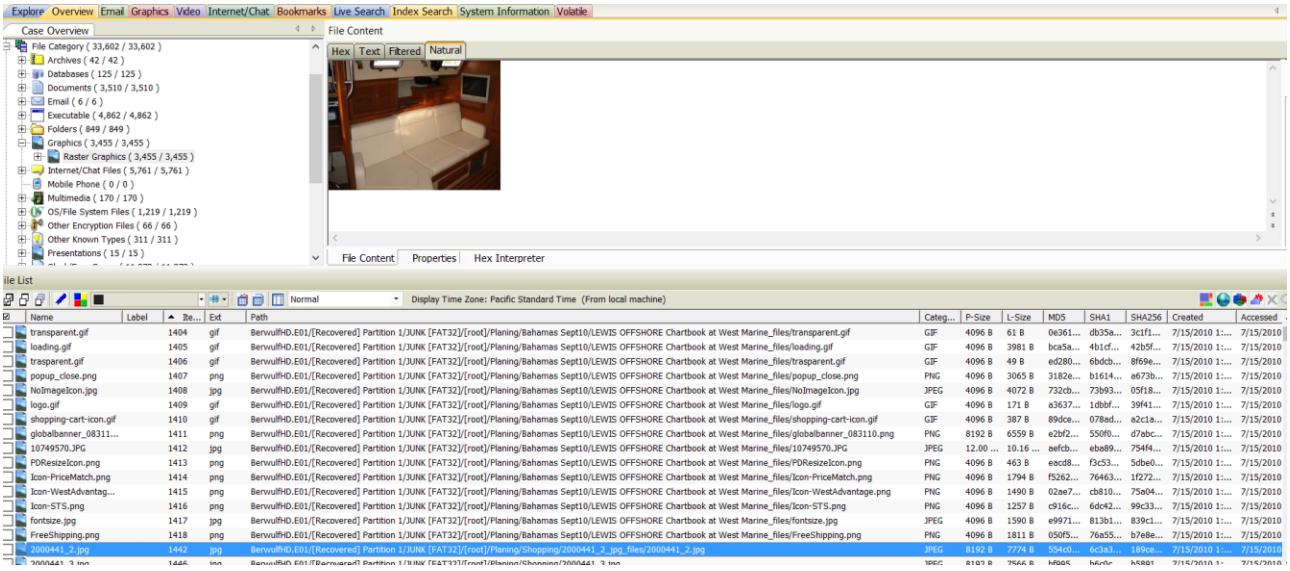


Image 17: *Another photo collected from the suspect's hard drive that contains an image of the interior of a sailboat. It appears to be some more seats next a counter.*

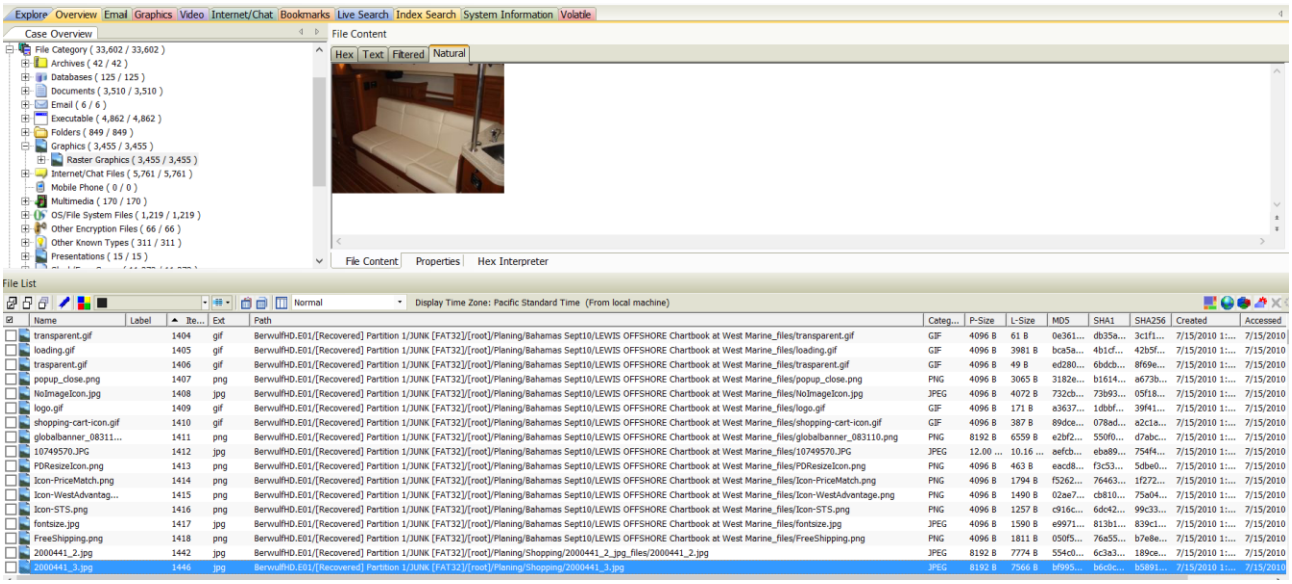


Image 18: *Another photo collected from the **suspect's** hard drive that contains an image of the interior of a sailboat. It appears to be of the kitchen area.*

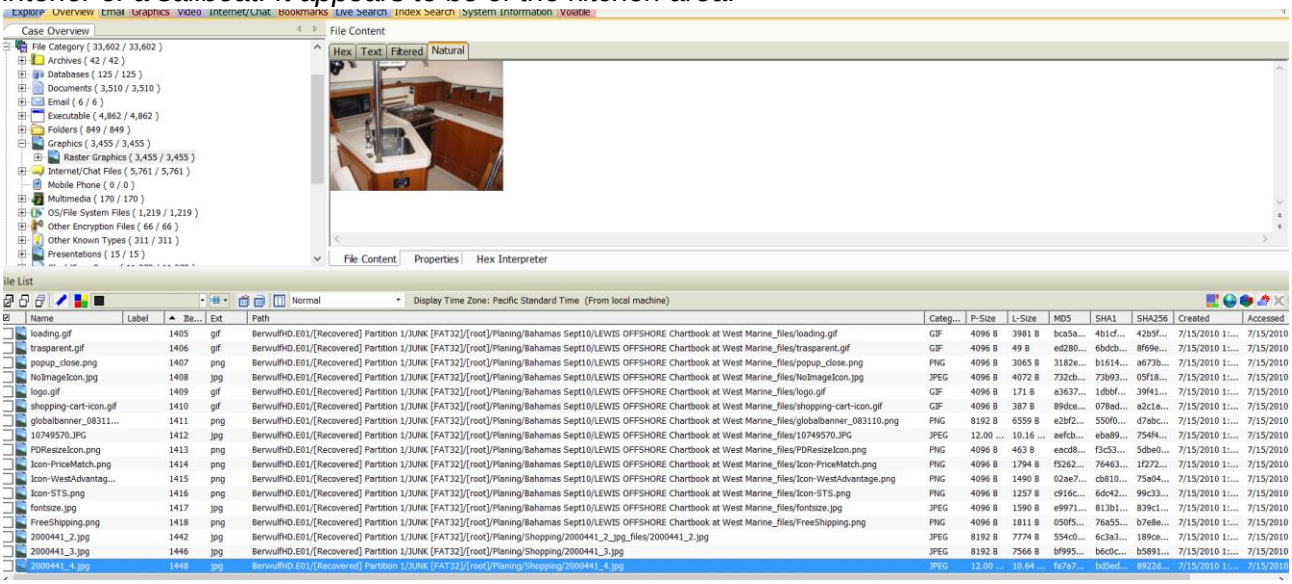


Image 19: *Another photo collected from the **suspect's** hard drive that contains an image of the interior of a sailboat. It appears to be a control station of some sort.*

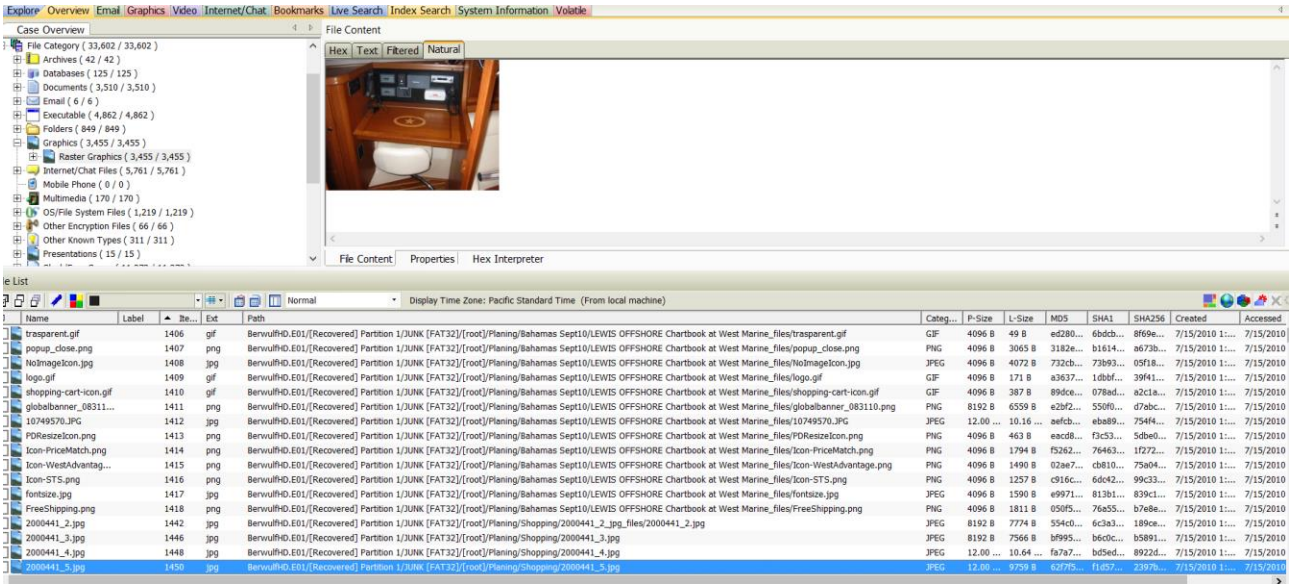


Image 20: *Another photo collected from the suspect's hard drive that contains an image of the interior of a sailboat. A clearer view of the alleged control station.*

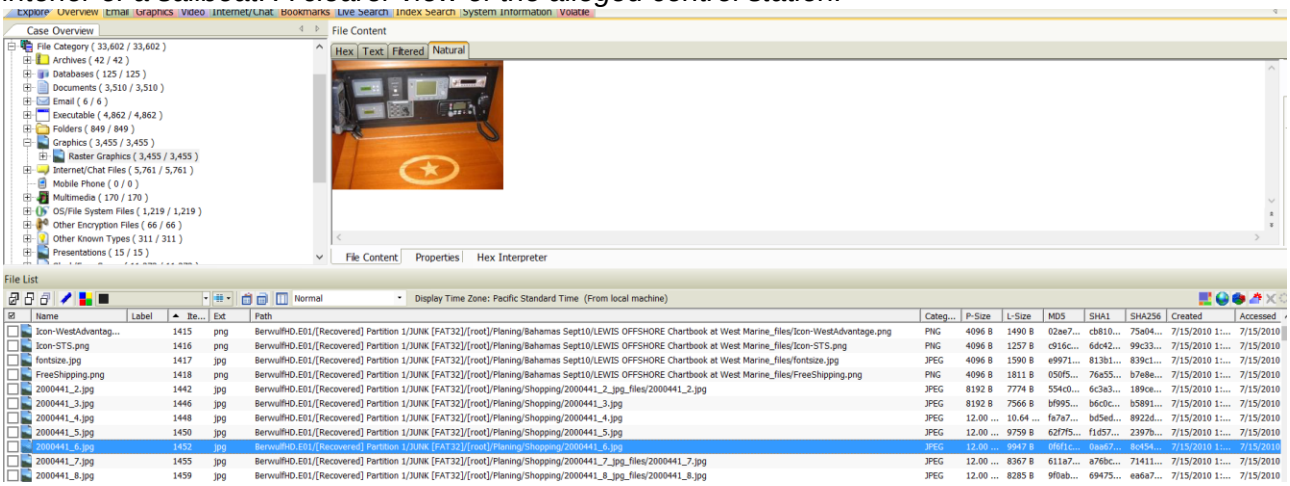


Image 21: *Another photo collected from the suspect's hard drive that contains an image of the interior of a sailboat. It appears to be a cushion or padding of some sort, perhaps of a bed.*

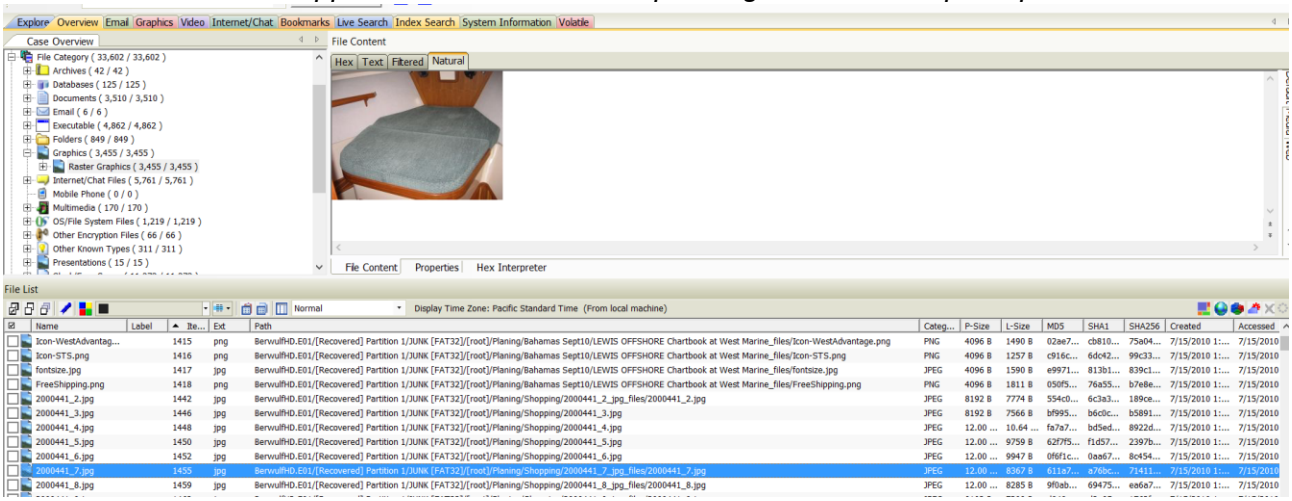


Image 22: *A photo of a sailboat from the suspect's hard drive.*

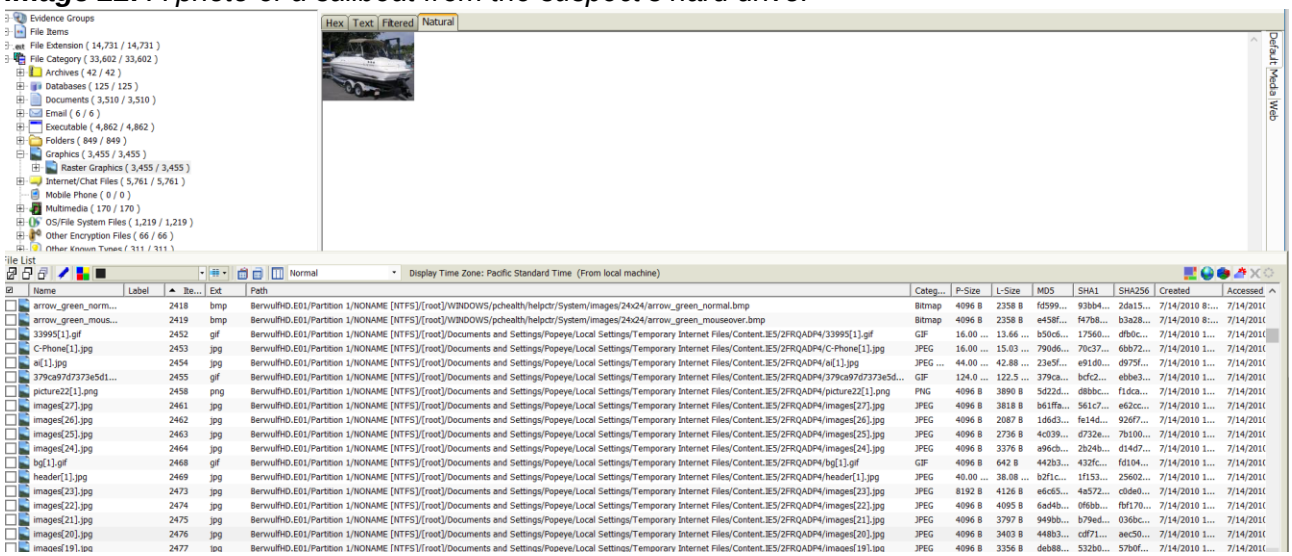


Image 23: *Another photo collected from suspect's hard drive that contains an image of a sailboat.*

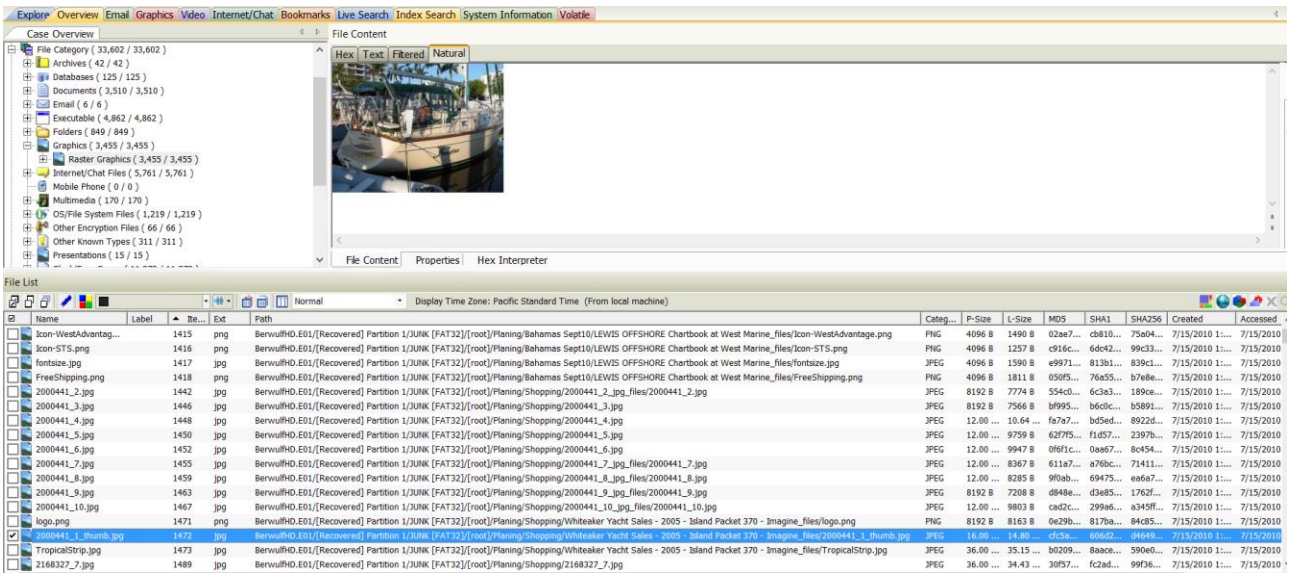


Image 24: *Another photo collected from the suspect's hard drive that contains an image of the operation area of a sailboat.*

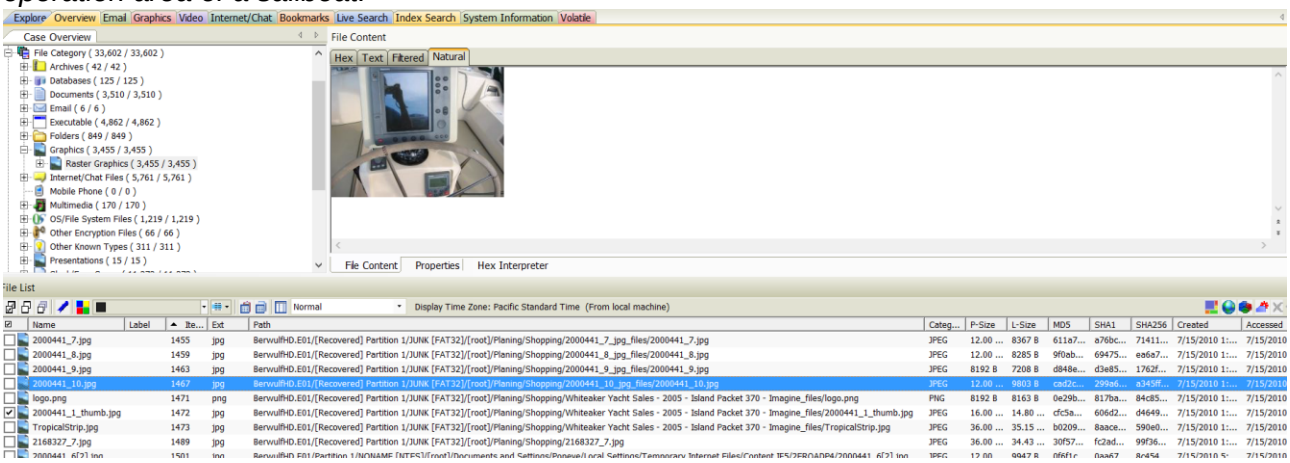


Image 25: *Another photo of a sailboat from the suspect's hard drive.*

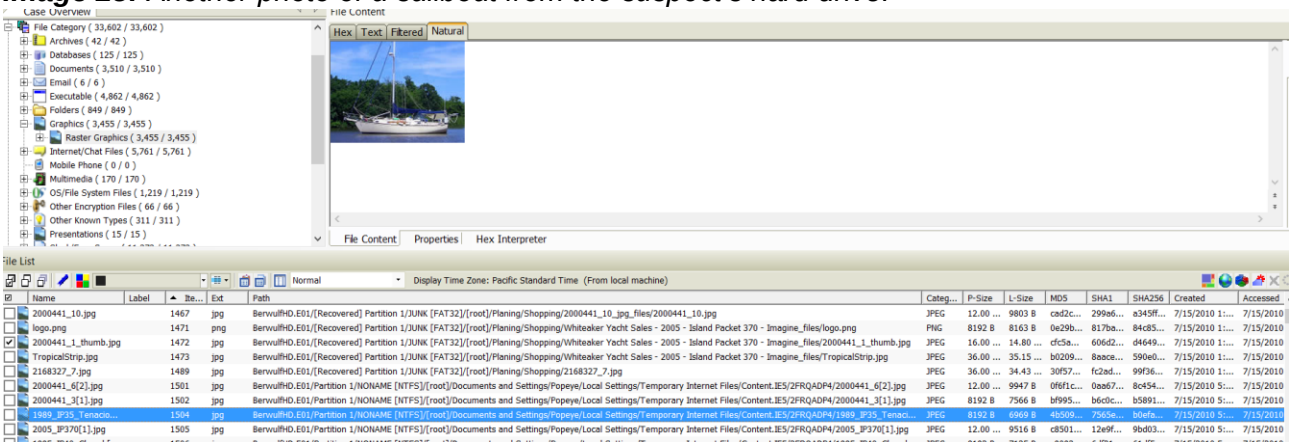


Image 26: *Another photo of a sailboat from the suspect's hard drive.*

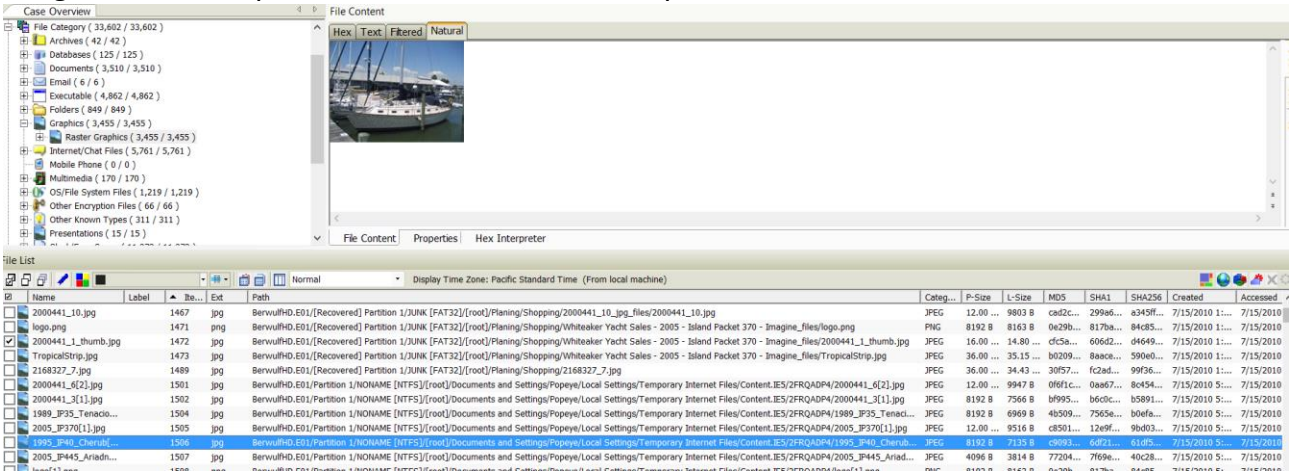


Image 27: *Another photo of a sailboat from the suspect's hard drive.*

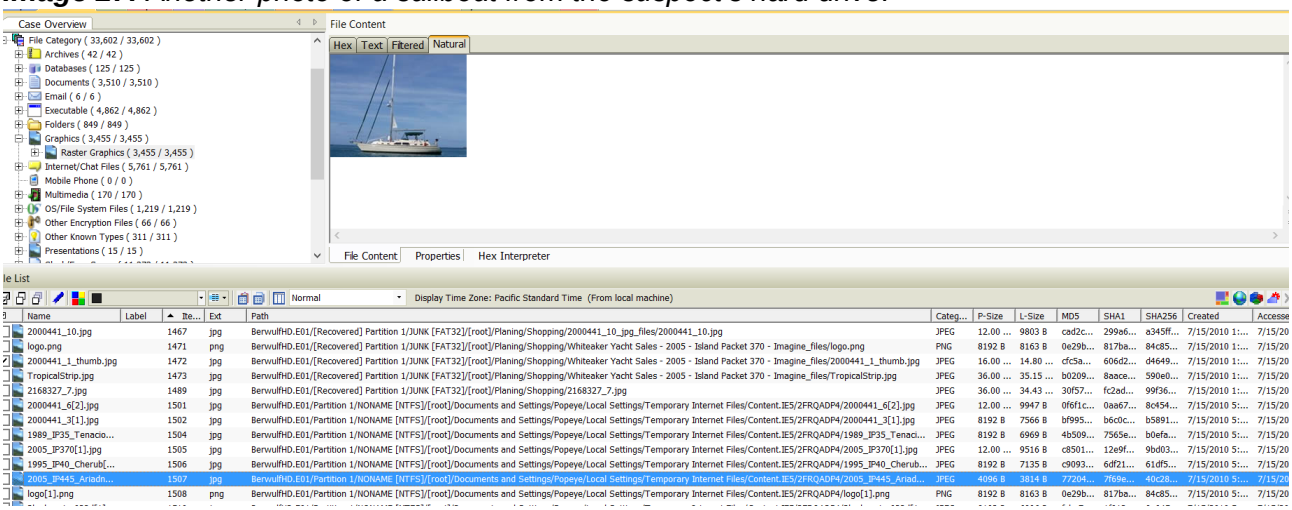


Image 28: *Another photo of a sailboat from the suspect's hard drive.*

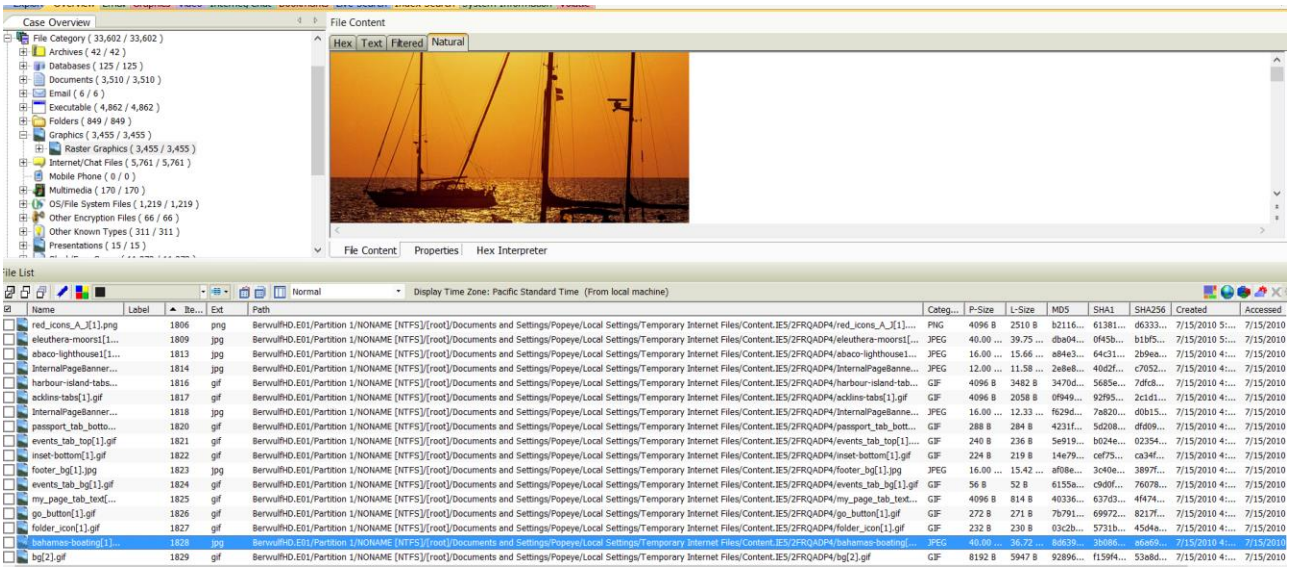


Image 29: *Picture of sailboat*

File Name: *Ad_1169_10.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

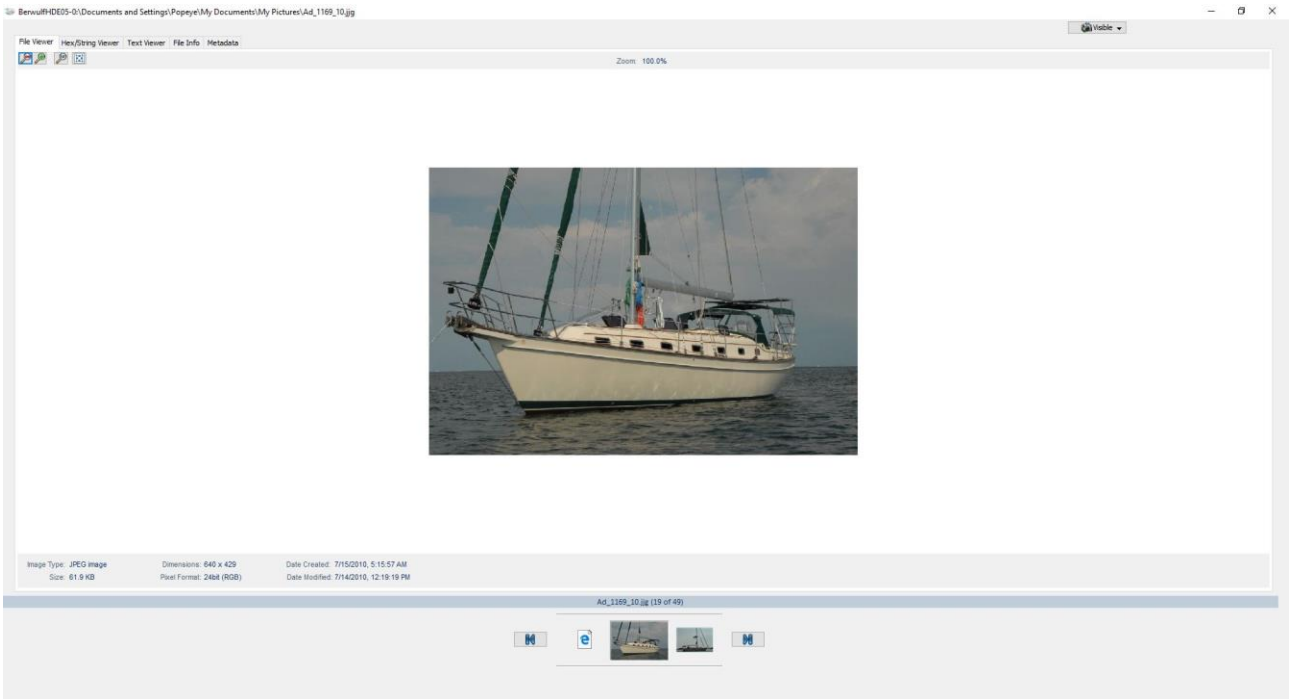


Image 30: *Picture of sailboat*

File Name: *Ad_1169_5.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

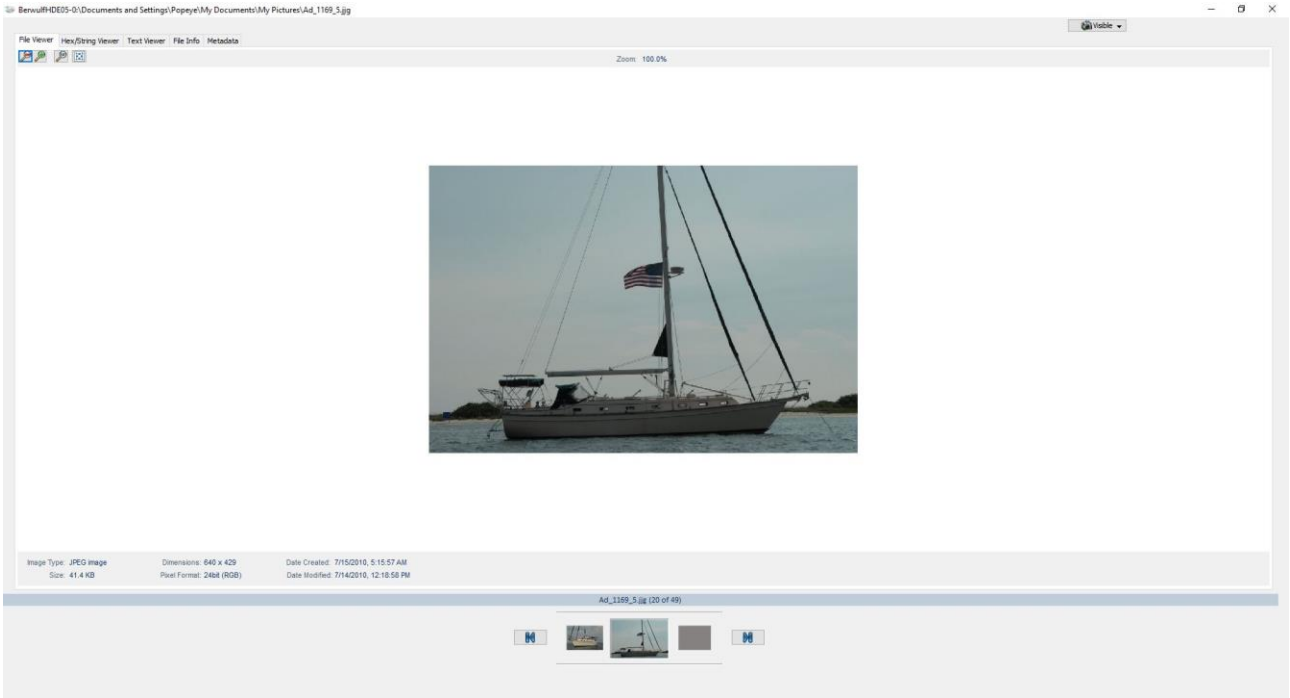


Image 31: *Aerial picture of sailboat*

File Name: *Ad_548_4.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

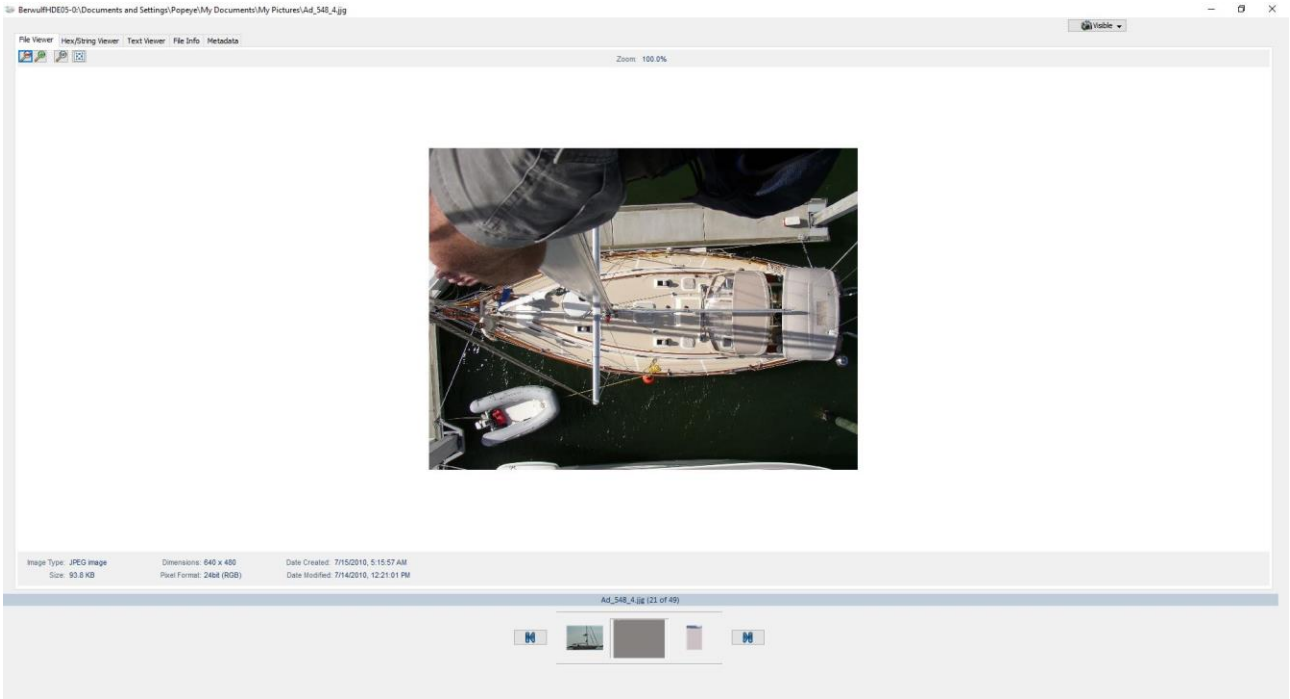


Image 32: *Picture of sailboat*

File Name: *Ad_716_1.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

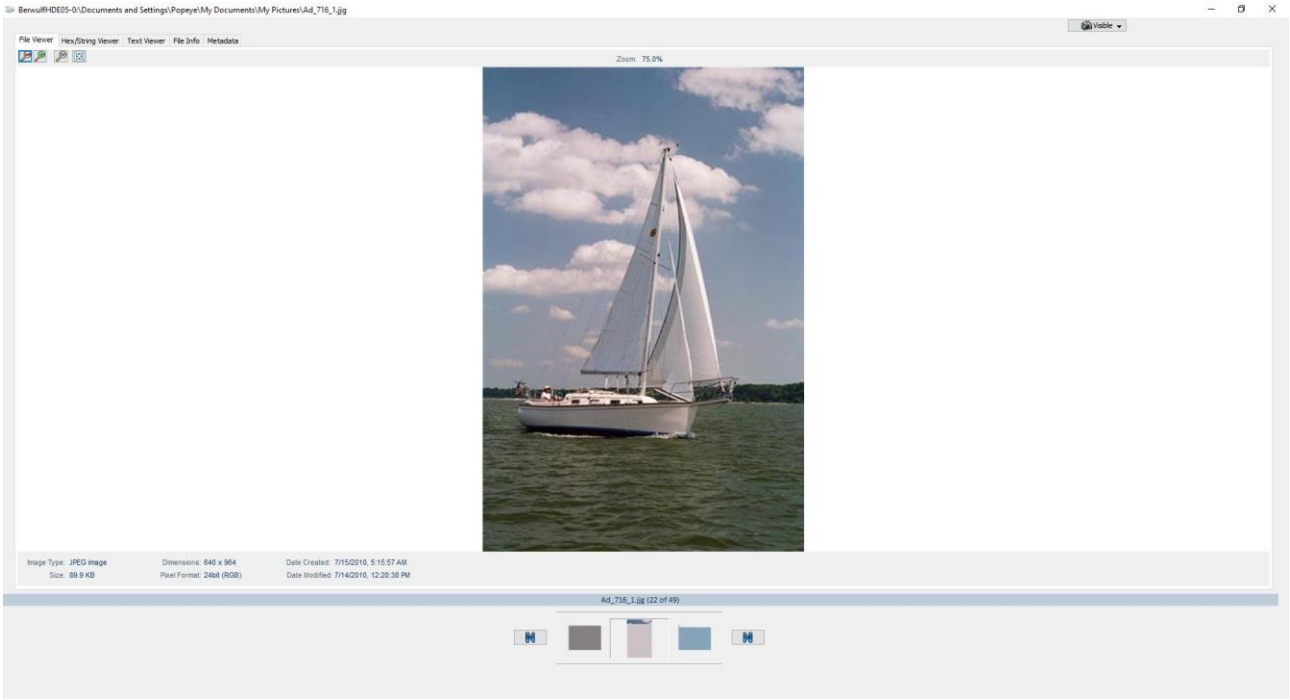


Image 33: *Picture of an unidentified woman whom appears to be on a sailboat*

File Name: *Ad_883_14.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

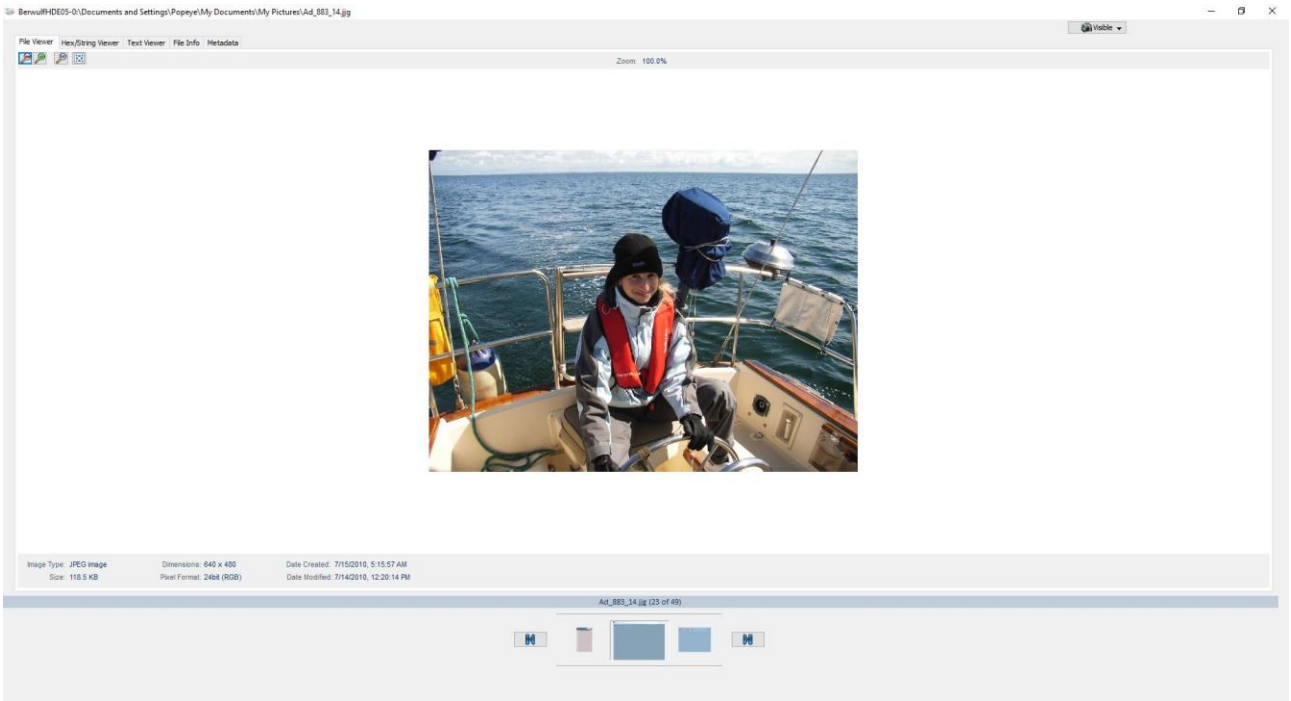


Image 34: *Picture of sailboat*

File Name: *Ad_883_6.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

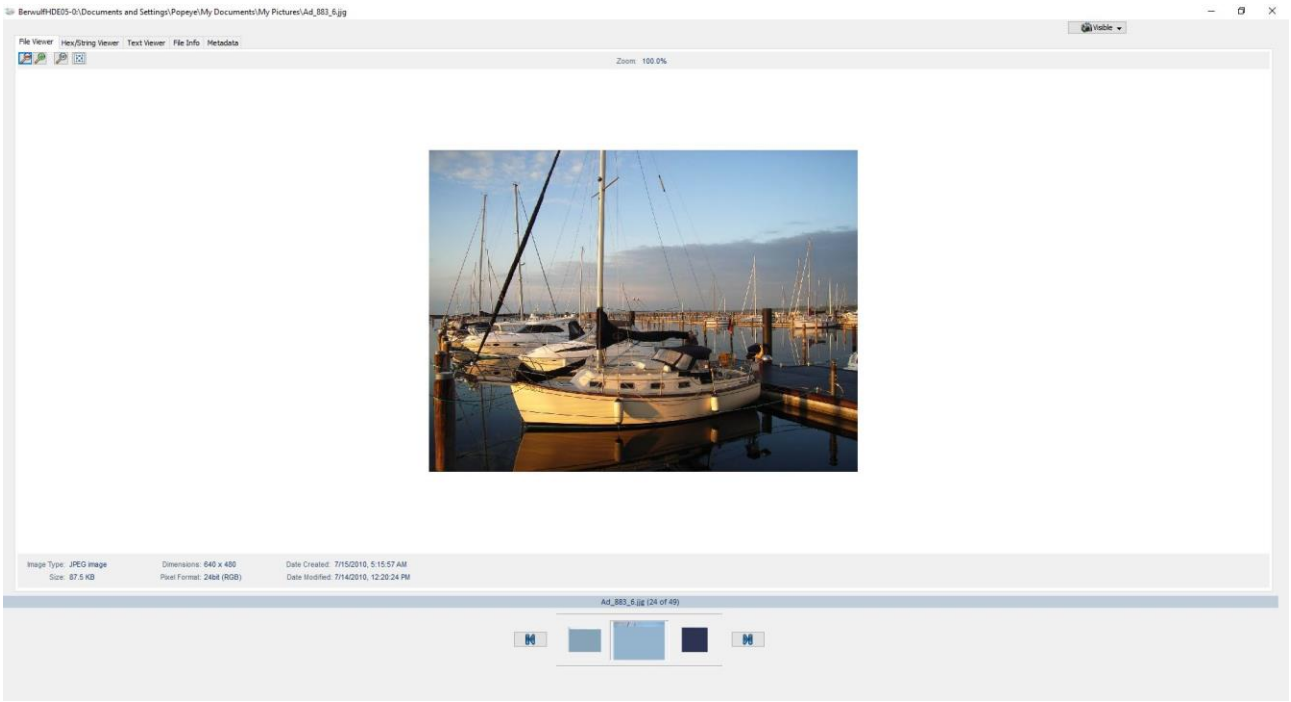


Image 35: *Picture of sailboat*

File Name: *thb1216097834_1.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

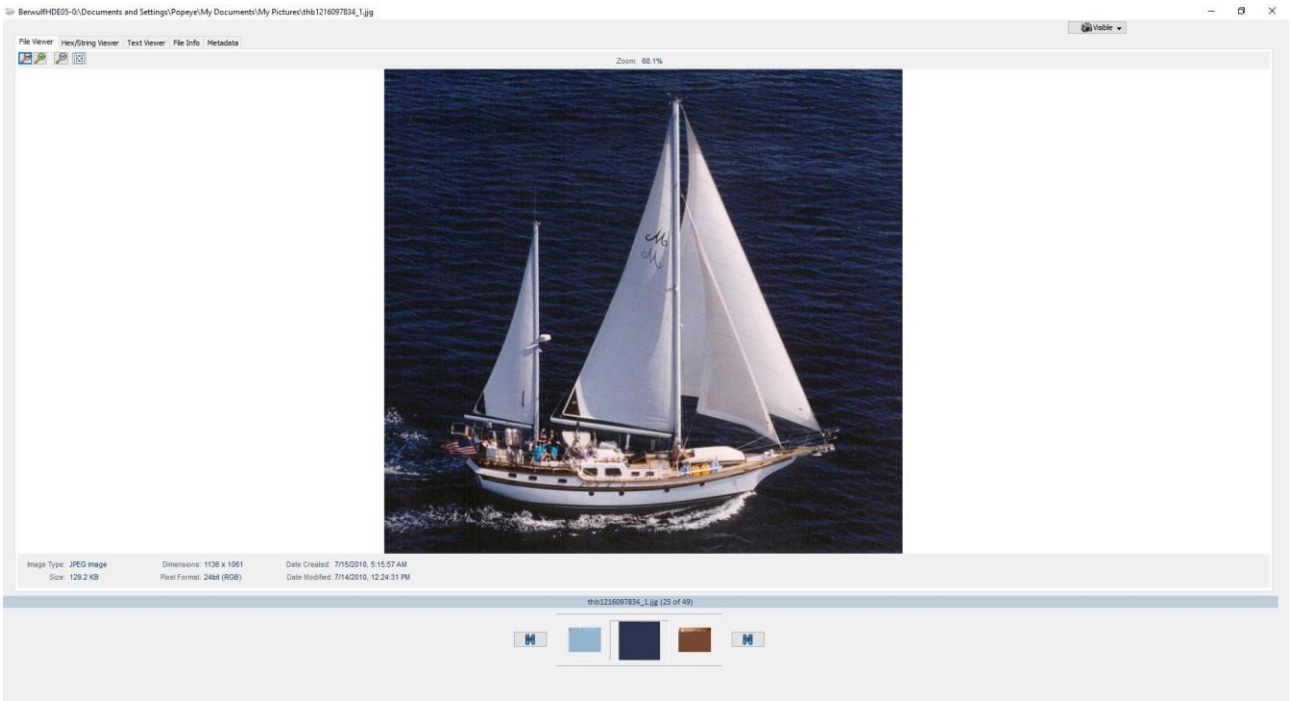


Image 36: *Picture of a dining/living room area in the sailboat*

File Name: *thb1216097834_2.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

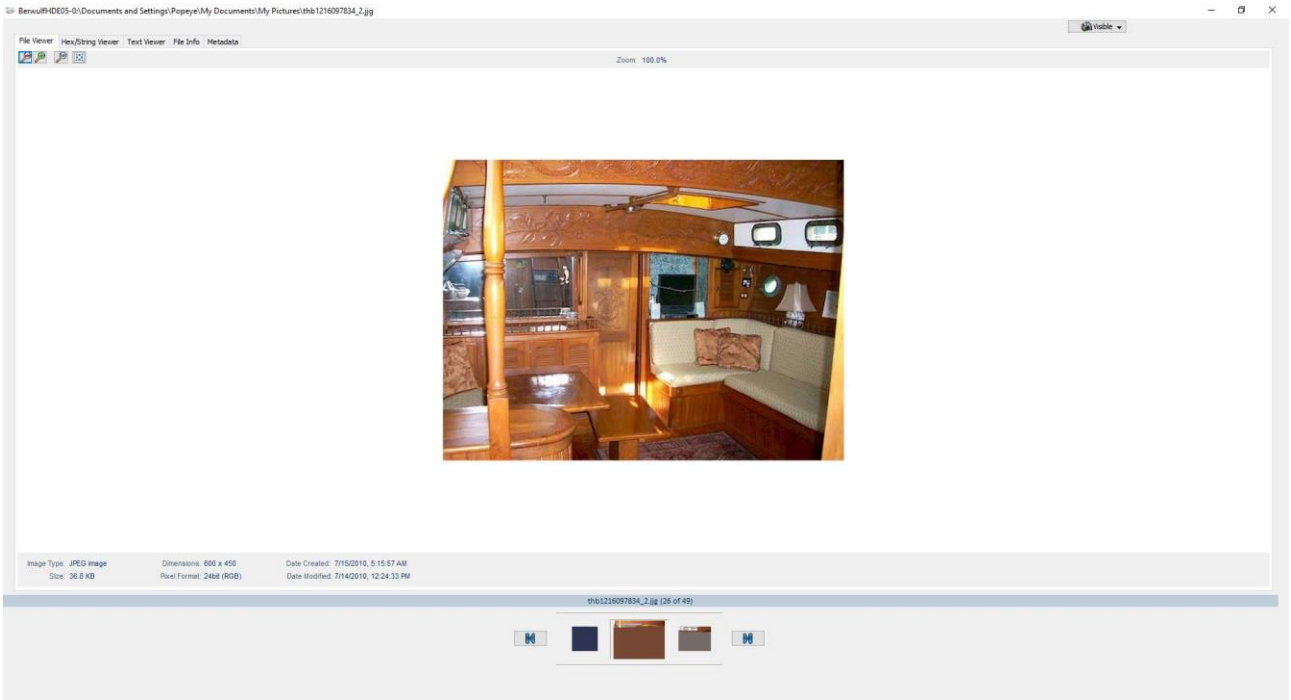


Image 37: *Picture of a couch in a sailboat*

File Name: *thb1216097834_3.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

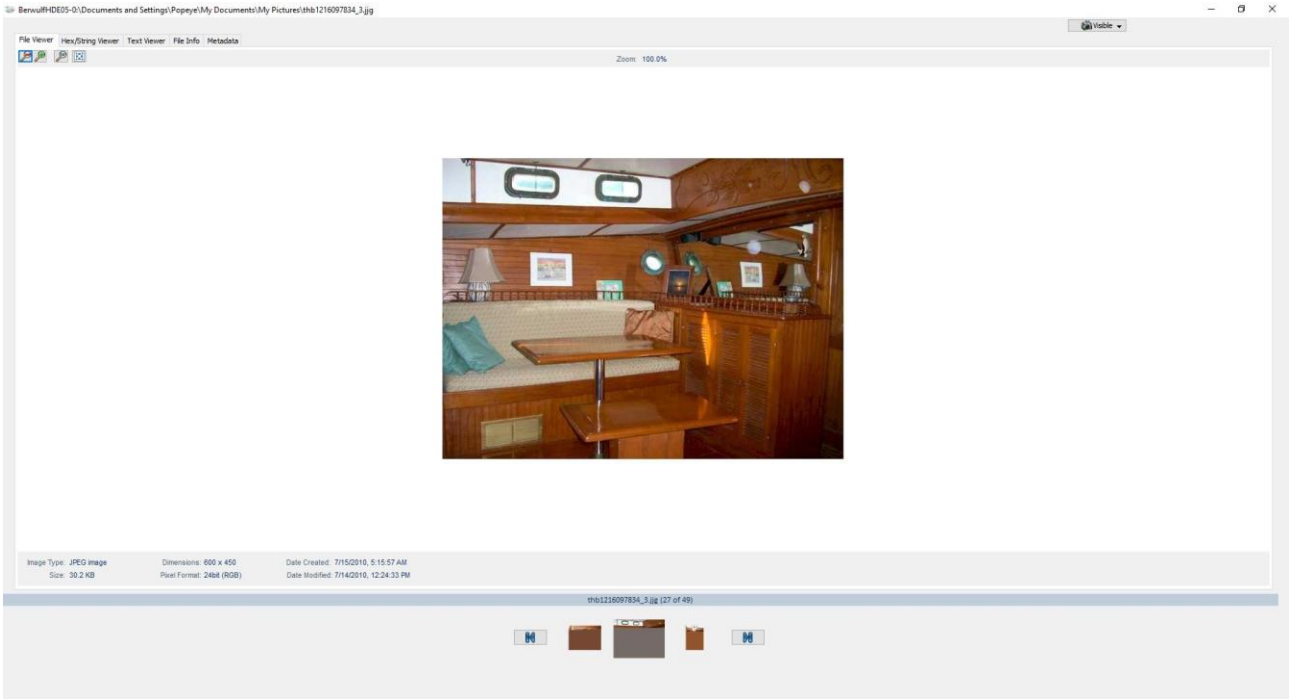


Image 38: *Picture of workstation in the sailboat*

File Name: *thb1216097834_4.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

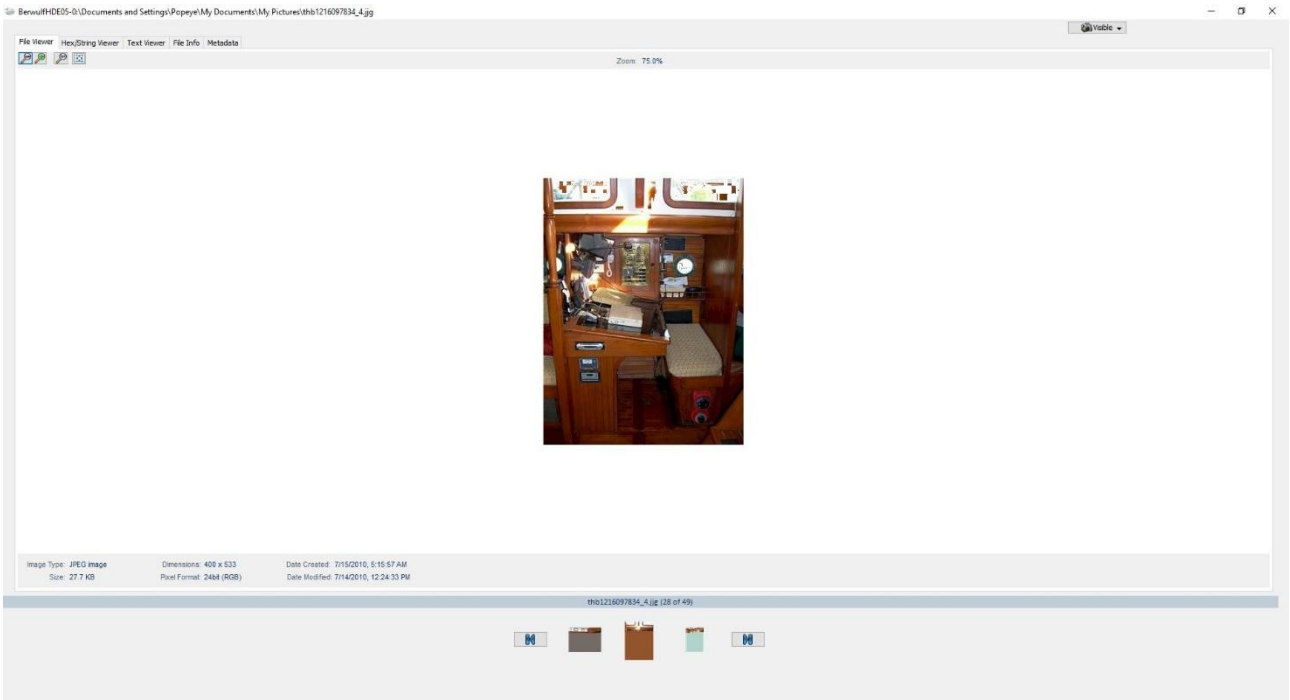


Image 39: *Picture of bed in the sailboat*

File Name: *thb1216097834_5.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

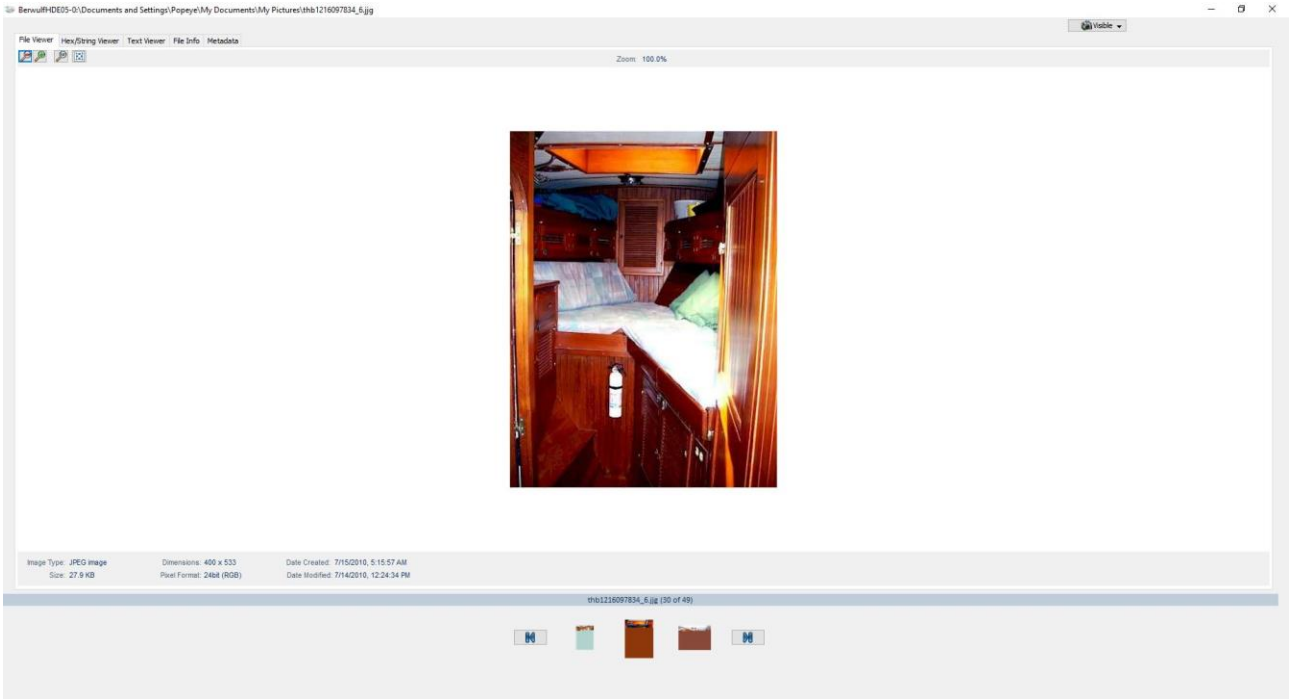


Image 40: *Picture of kitchen area in the sailboat*

File Name: *thb1216097834_6.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

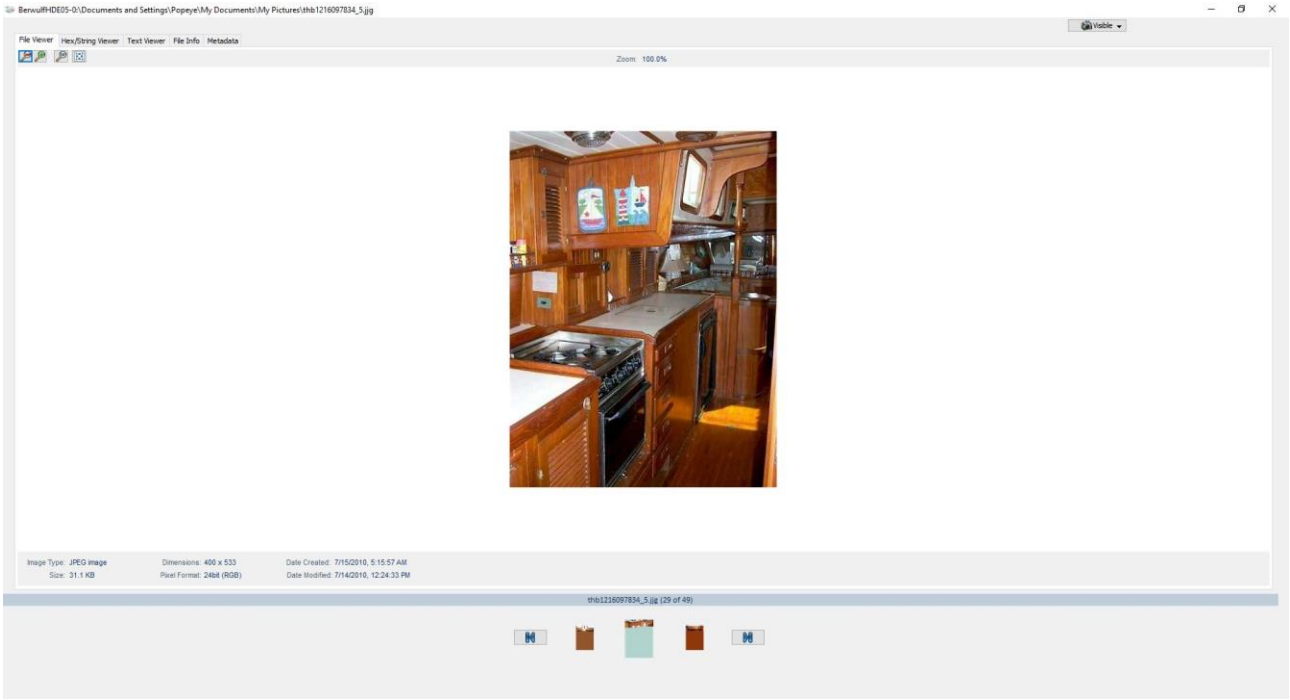


Image 41: *Picture of a bed in the sailboat*

File Name: *thb1216097834_7.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*

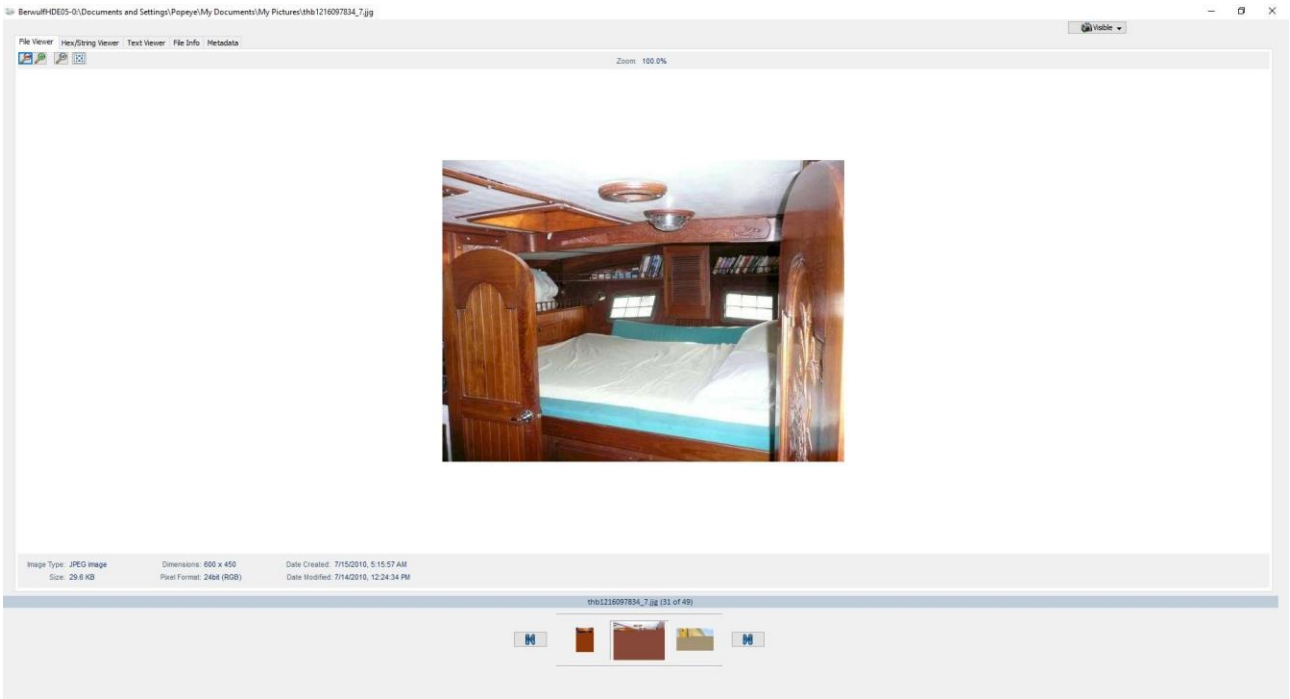
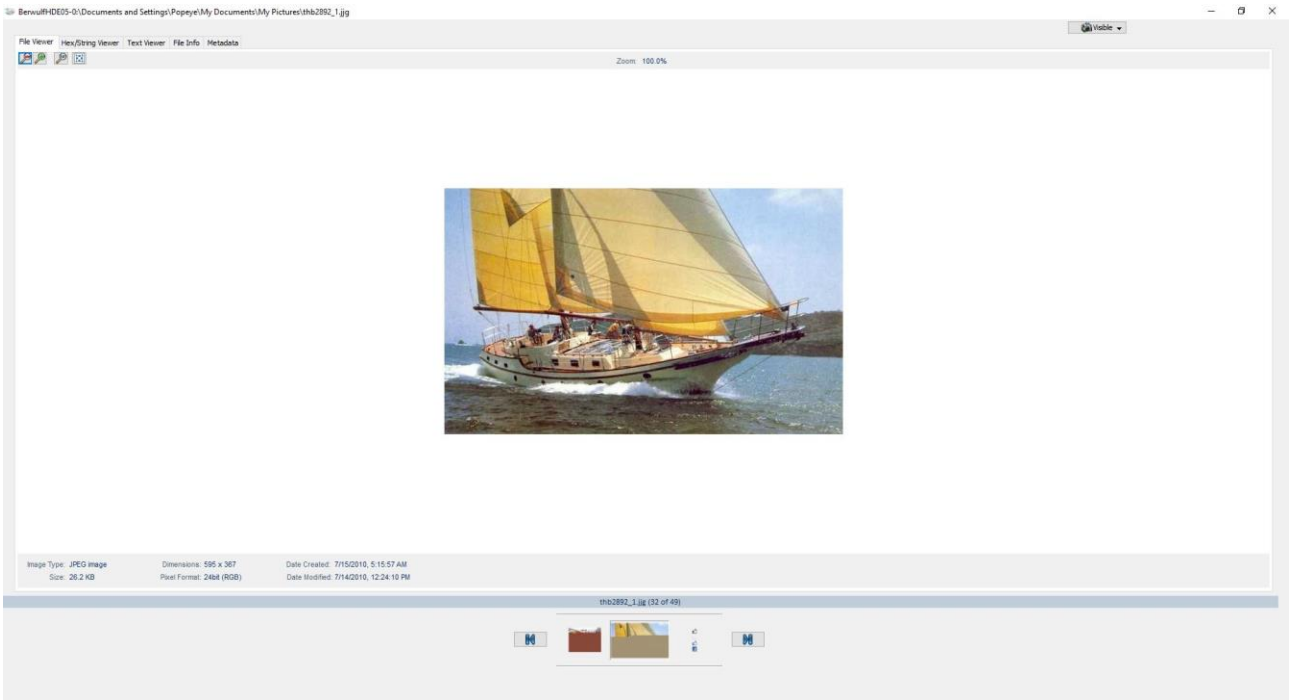


Image 42: *Picture of a sailboat*

File Name: *thb2892_1.jjg*

File Location: *BerwulfHDE05-0:\Documents and Settings\Popeye\My Documents\My Pictures*



Violation of Statute § CFPC-S3

§ CFPC-S3: Planning a voyage on a sailboat constitutes conspiracy

Images 43 – 45:

Image 43: *A file collected from the suspect's hard drive that contains information regarding the purchase of a sailboat. We can assume that suspect's intention is to plan a voyage on a sailboat due to the name of the local path.*

Shortcut File

Link target information	
Local Path	D:\Planing\Shopping\Whiteaker Yacht Sales - 2005 - Island Packet 370 - Imagine.htm
Volume Type	Fixed Disk
Volume Label	JUNK
Volume Serial Number	0CB0-D3EE
File Size	80898
Creation time	7/15/2010 6:09:27 AM -0700
Last write time	7/15/2010 6:09:30 AM -0700
Last access time	7/14/2010 4:00:00 PM -0700

Image 44: *The other image collected in suspect's hard drive that contains information regarding the purchase of a sailboat. The image contains the details on the sale of a particular boat.*

2005 - Island Packet 370 - Imagine

photo of 37' Island Packet 370

Imagine

- Year: 2005
- **Current Price: US$ 324,900**
- Located in Boca Raton, FL
- Hull Material: Fiberglass
- Engine/Fuel Type: Single Diesel
- YW# 75666-2000441

Image 45: *A record collected from the suspect's hard drive that contains the search result of "west marine," a company that sells accessories for boats.*

Google west marine Search Adv.

Web Show options... Results **1** - **10** of about **3,470,000** for **west marine**. (**0.09** seconds)

West Marine Sponsored Link
WestMarine.com Save up to $50 on your next order. Hurry, limited time offer.

West Marine: Home Page
Sells a selection of boating and **marine** parts, supplies, accessories, apparel, and small boats and trailers.
www.**westmarine**.com/ - Cached - Similar

Shop Categories
Annual Catalog
Power Boat Accessories
Sailing Gear
Watersports Gear
Engine Parts Selector
Category

More results from westmarine.com »

Store Locator - **West Marine**: Home Page
No image available. Your request is being processed. **West Marine** .... **West Marine** All Rights Reserved | Site Map p-wcsapp02.**westmarine**.net ...
www.**westmarine**.com/ /AjaxStoreLocatorDisplayView?_1 - Cached

Team Contract

Project Name: CIS 481 Lab 3

Project Team Members Names and Sign-off:

Name	**Sign-off on Team Contract**
Lam Luong	
Sam Zheng	
William Zaourbekov	
Lima Sim	

Code of Conduct: As a project team, we will:

- Work together to complete the Forensics Project
- Keep all of the team members informed on project assignments and developments
- Respect other team members and their ideas

Participation: We will:

- Actively provide our input for the project
- Distribute project work equally among team members
- Provide quality work to complete the project
- Inform the team prior to an absence

Communication: We will:

- Make sure each team member is up to date with project status
- Actively discuss open issues
- Use email and group meetings as means of communication
- Inform each other of any problems encountered

Problem Solving: We will:

- Encourage team members to provide their view
- Make use of possible solutions brought up by team members
- Use positive attitude to benefit the team