

JOINT REPORT of Selina Fahy and Maia Thomas Unit name and Force Case against: John Doe Police Reference No: 10661914 Case Reference No: 165431 PF Reference No: KD153467	FORCE BADGE
---	--------------------

Case Summary

The main findings of this report are the existence of inappropriate images of birds on the suspects, John Doe's, computer equipment and the evidence to suggest that these images and other material was not only possessed but also distributed to other people from the suspect's computer. To find this out, the suspect's computer was forensically analysed to uncover an assortment of evidence which ranges from images and word documents to audio clips and websites. These are documented in the appendix.

Description of Crime

Sequence of events:

- What happened?

Inappropriate images of birds were taken, downloaded and shared on the recovered computer equipment. On top of this, documents recounting how these images can be either found or made were created and shared to other people besides the current suspect. There were also conversations detailing different specific images

and how they were taken, and guides on how to become better at finding birds to take pictures of.

- When?

Looking through the evidence found on the suspect's computer it can be seen that the suspect's first bird related act occurred on 21/03/1970 with a 'BirdingGu' (Appendix A. i.) folder being accessed. Further activity can be seen all the way through to the beginning of February of 2005. The last recorded accessed image was 2005-02-09, where there is also a sudden spike in activity as many images and documents are moved over to an external drive (Appendix B).

Furthermore, by checking the timestamps located on web history and Windows event logs, it was confirmed that the device was not backdated.

- What order?

Through this investigation it was recorded that the suspect started his search slowly with lower risk and a minimal number of pictures before gaining in momentum and increasing the number of images as well as finding and adding audios, videos, documents, and more.

As time proceeded, it was seen that the suspect began corresponding with others, sharing and receiving images and discussing the topic of illicit bird activities **(Appendix F - Figures 3 and 4).**

- Who did what?

Though there were images that were obtained through the internet (downloads, e-mail attachments, etc.), the majority were taken on a Canon Powershot camera, in which the suspect is in possession of such a camera. This was determined through the use of the metacam command which shows where the image was imported from (the metadata), and showing many photos were captured on a Canon Powershot camera **(Appendix A - Figure 5).**

Evidence:

Incident 1: Email was received by the suspect on (2005-02-09) at (11:07:49) from the email address (mailinglist@birds.example.com). These are listed in the appendix under Appendix F: Email figure 1. They discuss "How to identify birds". It was located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox

Incident 2: An email was received by the suspect from (ben@example.org) on (2005-02-09) at (11:07:49). This is listed in appendix F: Email as figure 2. It has the subject line "expensive birds". It was located at (/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jiqrt8v.default/Mail/Local Folders/Inbox)

Incident 3: The source code of a website (f0091752.java) was found stored at (/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0091752.java). This is listed in Appendix D: Website code figure 1.

Incident 4: A recovered list of google ads gives an insight into what kind of things were being searched for on the suspect's computer. (ads) was found to be located at (/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/ads) it was created on (2005-02-02) at (14:26:00). It can be found in the Appendix H: web browser history figure 5.

Incident 5: The web results for a google search for "bird screensavers" called (f0496112.html) was found at (/img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0496112.html.gz/f0496112.html). It can be found in Appendix H: web browser history figure 6.

Incident 6: A secondary google search for "birds" left the results (f0201904.html) located at /img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0201904.html.gz/f0201904.html. It can be found in appendix H: web browser history figure 7.

Incident 7: The firefox download history of the suspect's computer can be found in appendix H: web browser history figure 1

Incident 8: The firefox cookies from the suspect's computer can be found in appendix H: web browser history figure 2.

Incident 9: A file saved on (2005-02-03) at (15:44:05) called (guide.doc) was located at (/img_johnDoe.dd/vol_vol3/guide.doc) It contains a document about "An insider's guide to enjoying your first birding field trip". This can be found in appendix C: documents figure 1.

Incident 10: A document under the name (birdwatching.doc) was created at (15:49:19) on (2005-02-03) it was located at (/img_johnDoe.dd/vol_vol2/birdwatching.doc). It contains "Birdwatching in Thailand", this can be found in appendix C: documents figure 2.

Incident 11: The file (b.htm) was located at (/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/b.htm) and was created on (2005-02-02) at (16:13:22). It can be found in appendix C: documents figure 3.

Incident 12: A document named (ostbk2b2.html) was created on (2005-02-03) at (15:02:45), this contained facts about the facilities needed for different ages of birds. It was located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/ostbk2b2.htm and can be found in appendix C: documents figure 4.

Incident 13: (b.js) was created at (14:26:00) on (2005-02-02), it was located at (/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/b_data/b.js) and can now be found in appendix C: documents figure 5.

Incident 14: The file (ri.html) was found at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/cw_data/ri.htm it was created on (2005-02-02) at (14:26:00) and is now in appendix C: document as figure 6.

Incident 15: The document (birding_p_js.txt) was created at (14:26:00) on (2005-02-02), it was located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/c_data/birding_p_js.txt and can now be found in appendix C: documents figure 7.

Incident 16: (go.html) was created at (14:26:02) on (2005-02-02), it was located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/go.htm and can now be found in appendix C: documents figure 8. It discusses "birding offers".

Incident 17: A file containing the names of apparent illicit images was located at Recycler/S-4-5-21-725345543-854245398-1202660629-1003 it was created on (2005-02-03) at (11:50) and is listed in appendix C: documents as figure 9.

Incident 18: The file (f0273688.pdf) was located at /img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0273688.pdf. It is in appendix C: documents figure 10. It is a botanical report from the University of California.

Incident 19: The document in location /img_johnDoe.dd/vol_vol2/Program Files/Mozilla Firefox/chrome/en-GB.jar is called (en-GB.jar) and is a quote about birds. It was saved to this location on (2005-01-24) at (16:24:34). It is listed in appendix C: document as figure 11.

Incident 20: A file created at an unknown time called (f003288.java) was located at /img_johnDoe.dd/vol_vol2//\$CarvedFiles/f003288.java. It talks about "bird songs", and is listed in appendix C: documents as figure 12.

Incident 21: A document called (nestboxtips.txt) was found at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/nestboxtips.txt and was created on (2005-02-02) at (14:29:30). It is now in appendix C: documents as figure 13.

Incident 22: (f0327896.pdf) is located at /img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0327896.pdf. It discusses "bird migrations" and a "birding guide" for Lake Michigan. This can be found in appendix C: documents as figure 14.

Incident 23: A document containing a list of "birds to find" called (aggressive_song.wav.lnk-slack) was located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Recent/aggressive_song.wav.lnk-slack and was created on (2005-02-03) at (12:22:51). This can be found in appendix C: document figure 15.

Incident 24: The file (aa010703a.htm) was located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a.htm It contains "bird facts" and "attracting birds", it was

created at (14:25:59) on (2005-02-02). It is listed in appendix C: documents figure 16.

Incident 25: The document located at /img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0041304.html.gz/f0041304.html is called (f0041304.html), it contains the web search results for “bird mating calls”. It is in appendix C: documents as figure 17.

Incident 26: (f018344.pdf) is located at /img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0180344.pdf. It contains “bird guides for western Australia”, and is listed in appendix C: documents as figure 18.

Incident 27: A document in location /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/show_ads-slack called (show_ads-slack) was created on (2005-02-02) at (14:26:00). It has movies about birds in it, “bird safari”. It is in appendix C: documents as figure 19.

Incident 28: The timeline of the suspects first bird related activity is listed in appendix A figure i.

Incident 29: Appendix B: bird images figure 1 contains pictures found in the location (/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/My Pictures) these were created between (2005-02-02 and 2005-02-03).

Incident 30: From the location ((/img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Desktop) an image created on (2005-02-03) at (15:04) is documented in appendix B: bird images figure 2.

Incident 31: Images found at (/img_johnDoe.dd/vol_vol3/RECYCLER/S-1-5-21-725345543-854245398-1202660629-1003) are listed in appendix B: bird images as figure 3. They were created at (11:42) on (2005-02-03).

Incident 32: Images recovered from an ‘unallocated’ are of the suspects PC are listed in appendix B: bird images figure 4.

Incident 33: Email correspondence between the suspect and ‘Ben’ shows images of birds being shared and discussed between the two. This is documented in appendix G: emails as figure 3.

Incident 34: Figure 5 in appendix B: bird images shows an image of a bird taken on (2005-06-13) at (20:39:11), it also shows that this picture and many more were taken on a Canon PowerShot SD100 camera which it is known to be the type of camera owned by the suspect.

Description of Investigation

For this case, outsourced digital forensic analysts were brought in by the police to investigate suspected inappropriate images of birds. First summoned to the house of the suspect John Doe to seize any computer equipment, then to copy the disk drive and examine it for any illicit materials. The guidance given for the investigation was to take any material of an ornithological nature to be of illicit intent.

Items recovered/examined:

The physical items recovered from the crime scene was a desktop computer. From this, a copy of the disk drive was made to analyse without the chance of corruption to the original evidence, if anything was to go wrong during the investigation.

Methodology:

The first step taken was to use commands like foremost and metacam. Foremost was used to search through the disk drive data for specific things and metacam helped gain more information regarding any illicit material found.

One of the most important file types searched for at this point was pictures, specifically ones taken by a Canon Powershot camera. All the files collected here were stored into a directory called 'file carving' to be analysed at a later time in order to determine if any recovered data could be classed as inappropriate images of birds or, if not images, evidence relating to the same topic.

After the files had been collected, they were put through a computer software system called Autopsy. This can be used to easily search through large chunks of data for things relating to specific keywords i.e. birdwatching, birds etc. As this method of searching still took time and to be even more sure that essential evidence wasn't going to be missed, an md5 hash was used to reduce the number of files needing to be searched through. This was done by creating a whitelist of "safe words" that would be considered as items normally on a computer and therefore doesn't relate to the suspected crime. This list of hashes was then compared to the hashed list of files found on the suspect's computer and so any matching files were removed from the list to be searched through. Also a registry examination was performed, this is done to find out when and where USBs have been connected to the computer. It can also reveal any unique identifiers of said USBs and if any software was installed onto the computer. After that an analysis of the web browser history was carried out. This was done to track what sites had been accessed on the suspect's computer and when. Not only did this show if illicit pictures had been viewed or downloaded but also if the suspect was taking part in any forums or other communal aspects to do with the topic of inappropriate images of birds. Another way used to analyse internet activity was through cookies that were stored on the computer (**Appendix H - Figure 2**) as they can show how many times certain places/pages have been visited without having to manually search through the history.

Analysis:

The suspect's computer was checked for any signs to show if there was any evidence of the computer being hacked and the evidence of illicit bird images so far seen was put there without his knowing and how likely it could be that that is what happened. The fact that many of the emails and documents have the suspect's name on them suggests that he was aware of the illicit content. Also a malware scan using the tool (clamscan) came back clean, this highlights the fact that there is no trace of third-party malicious access. An accuracy check was performed for the date and time functions of the computer, this came back showing that they are accurate and unaltered. A tool called regviewer was used to find out if any USBs had been connected to the suspects computer and if so what was downloaded from them. If

this had happened and had downloaded all the illicit content then it could be argued that someone had done it without John Doe's knowledge. However, there were only a few bird related files on some of the USBs attached and much of the evidence was downloaded from the internet or uploaded from a Canon PowerShot camera. Therefore, it is unlikely that the inappropriate images of birds were created/accessed by any other persons than the suspect.

Conclusion

In conclusion, during this investigation into the existence of digital evidence of the suspect (John Doe) being in possession of inappropriate images of birds, many different incriminating pieces of evidence were found ranging from images themselves to documents containing methods of both finding or creating such images. On top of this there was found to be email interactions with at least one friend on this topic, this shows that the suspect was also distributing these images. All of the evidence explored earlier in this report and listed in the appendix suggests that the suspect was knowingly in possession of inappropriate images of birds and also knowingly distributed them to other parties. Due to this, it is our duty to recommend to the court that the suspect be found guilty of the crimes of both possession and distribution of inappropriate images of birds.

Equipment needed in court

For the evidence to be viewed in court a screen hooked up to a computer with the evidence on it.

Appendices

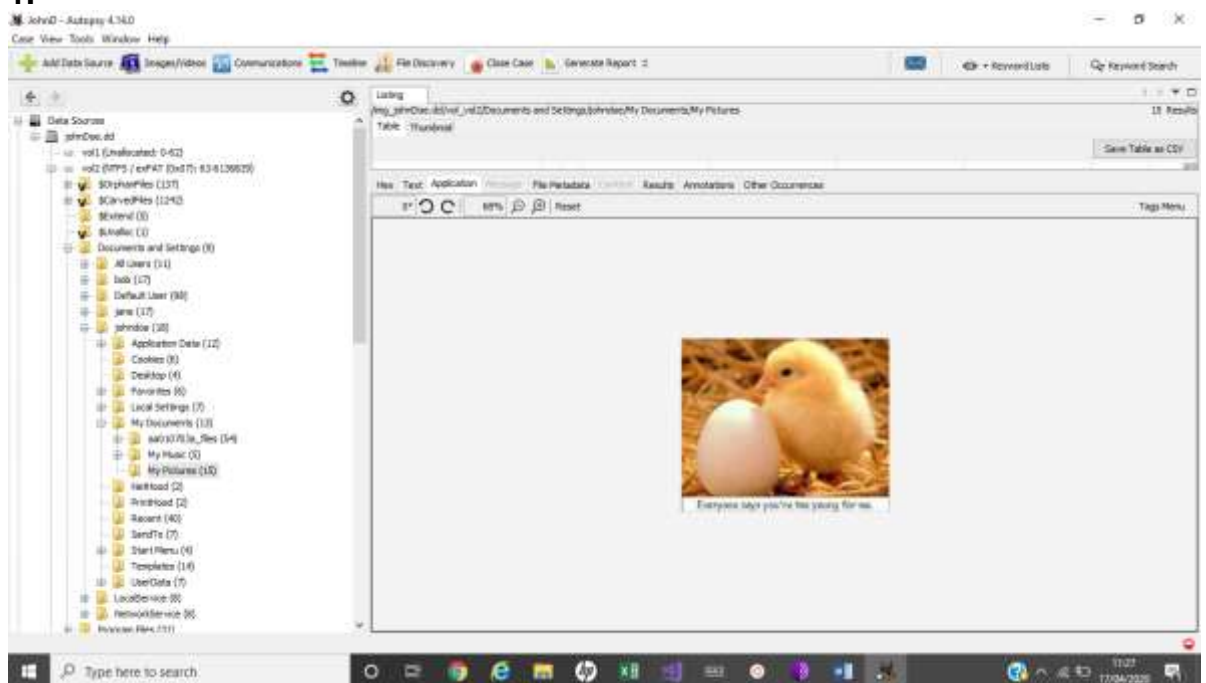
Appendix A.

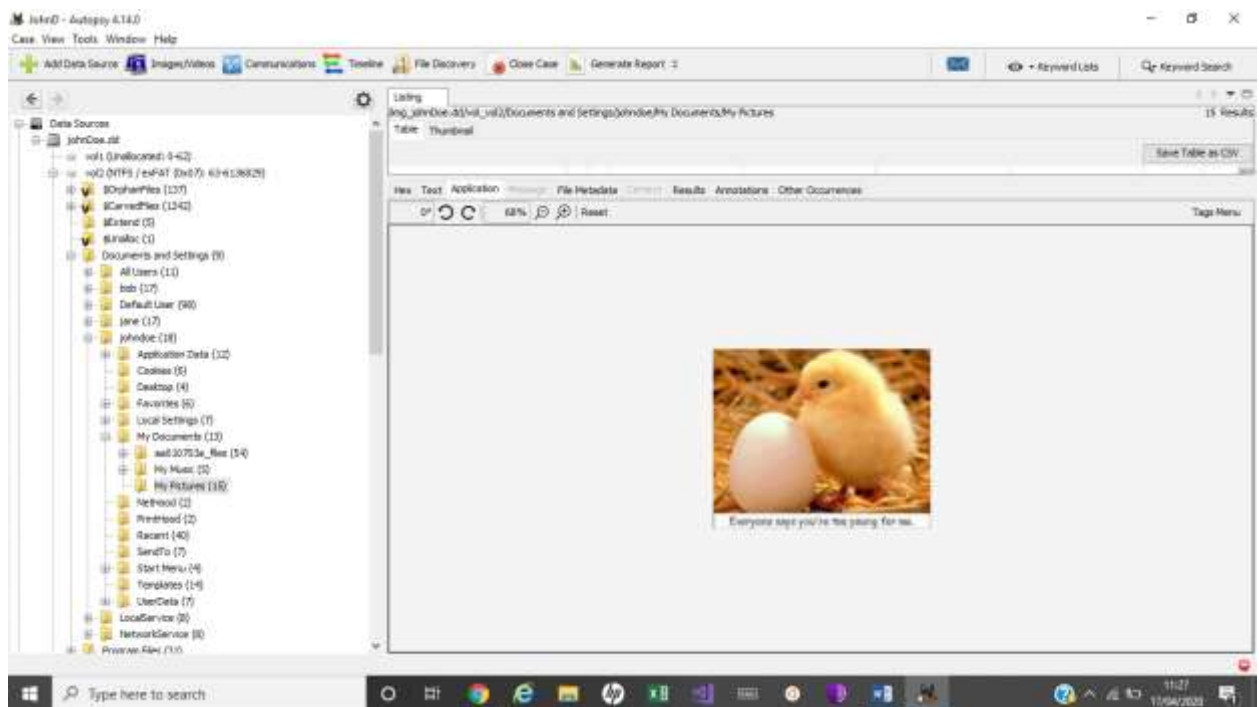
i. Autopsy Timeline showing John Doe's first recorded 'bird' activity

Date/Time	Description
1970-03-21 16:30:02	User: s\johndoe\My Documents\BirdingGu Hostname: ide.pdf Terminal: \u0003 PID: 0 Terminal iden

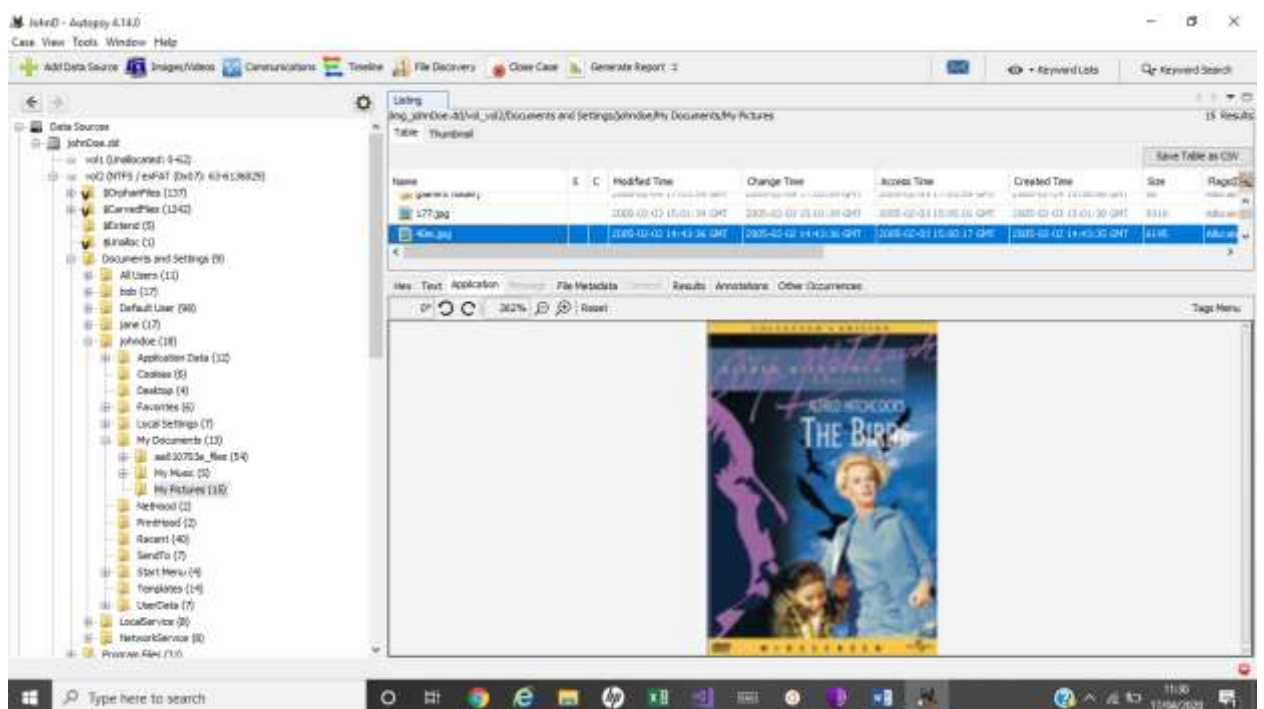
Appendix B. Bird images

1.

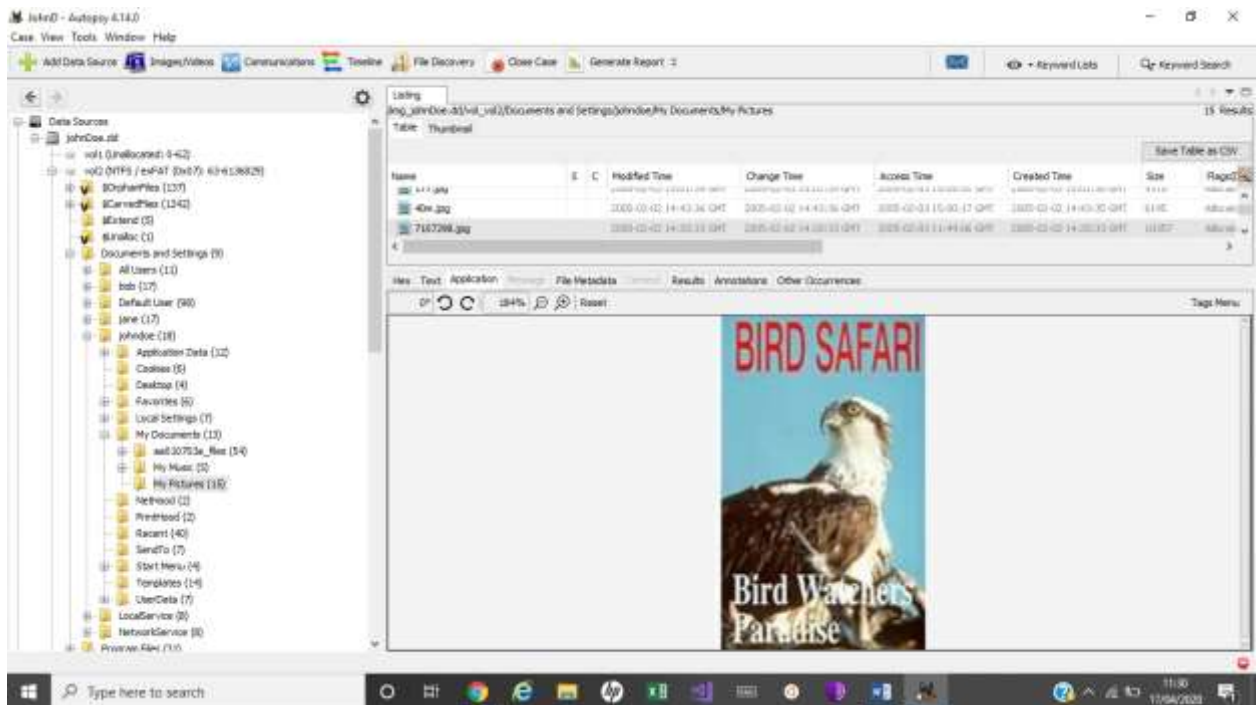




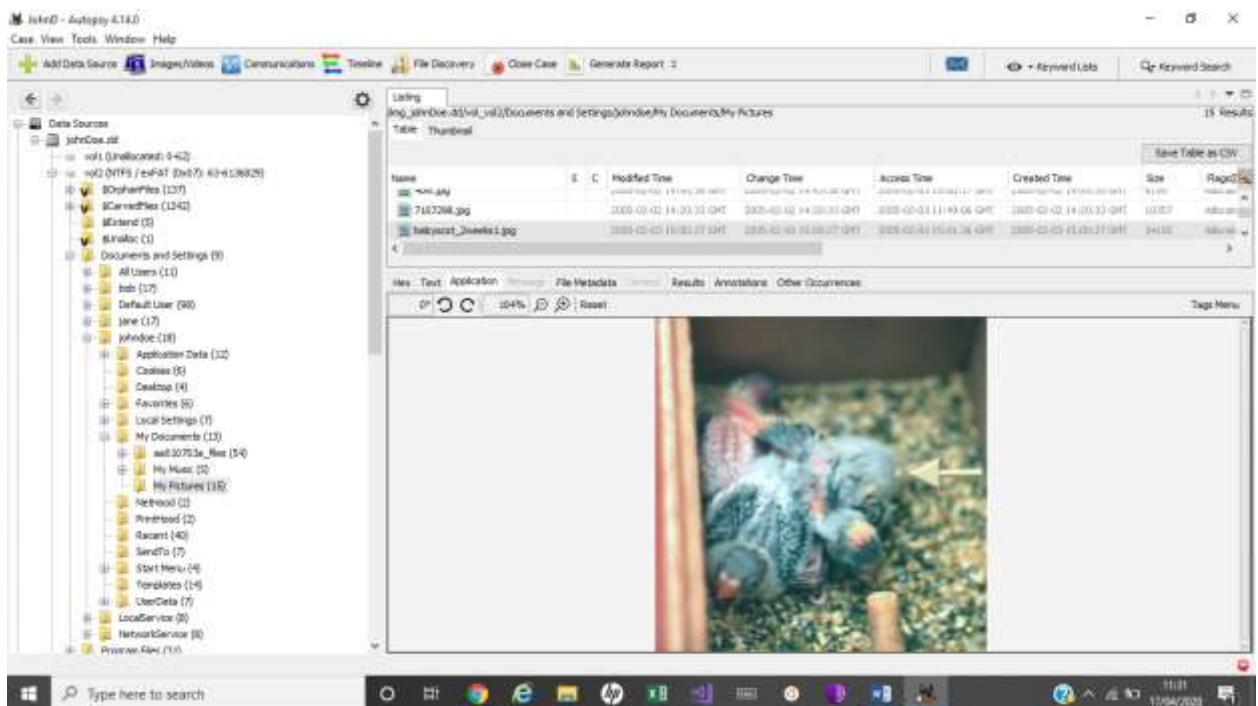
Creation : 2005-2-03 15:01 GMT



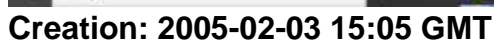
Creation: 2005-02-02 14:43 GMT

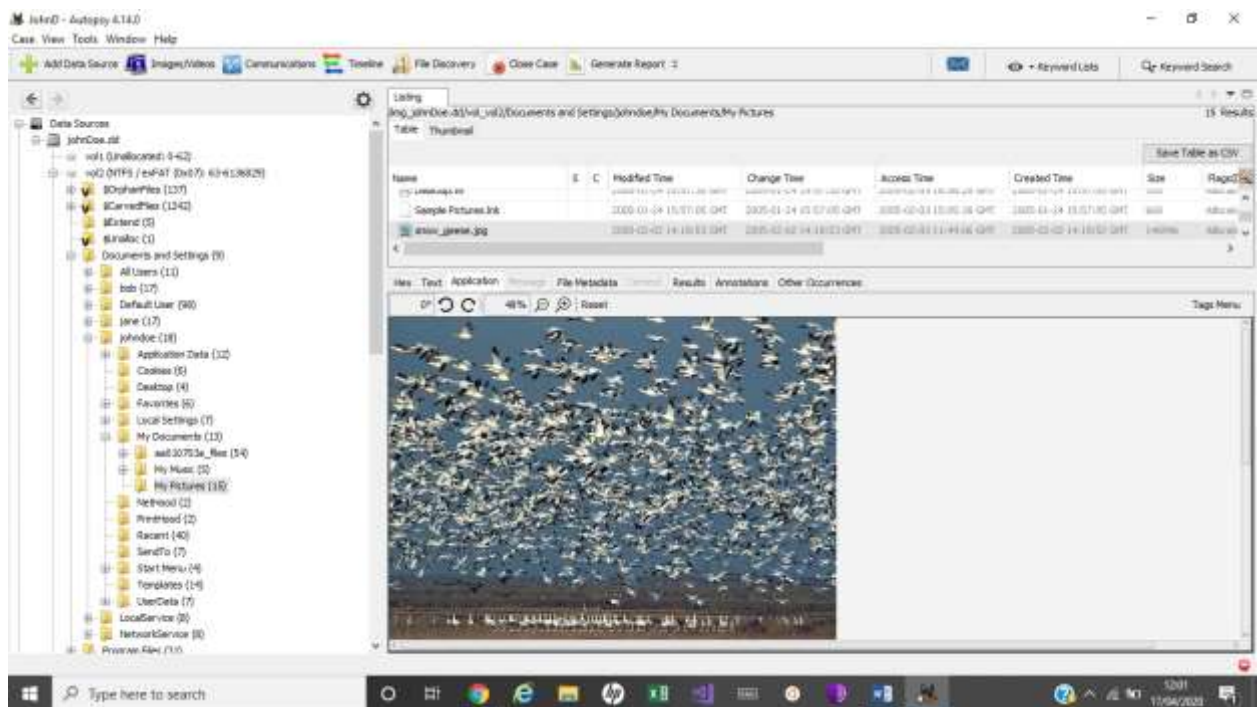


Creation: 2005-02-02 14:20 GMT

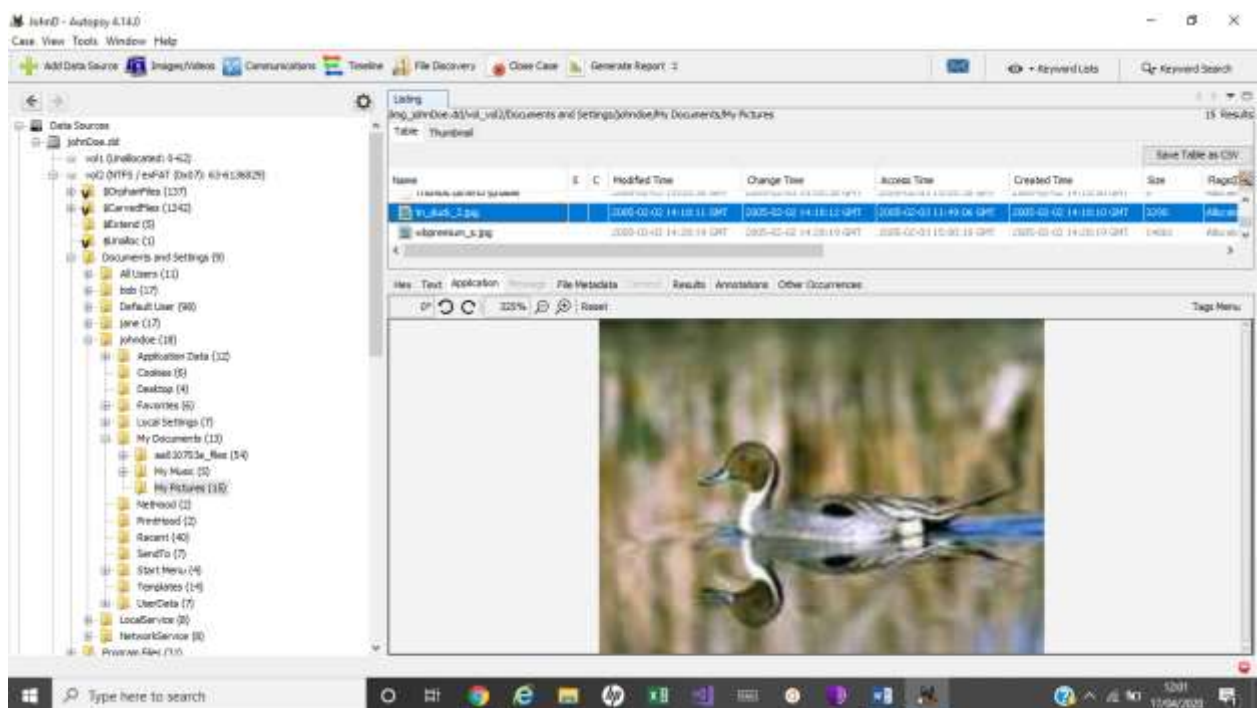


Creation: 2005-02-03 15:00 GMT

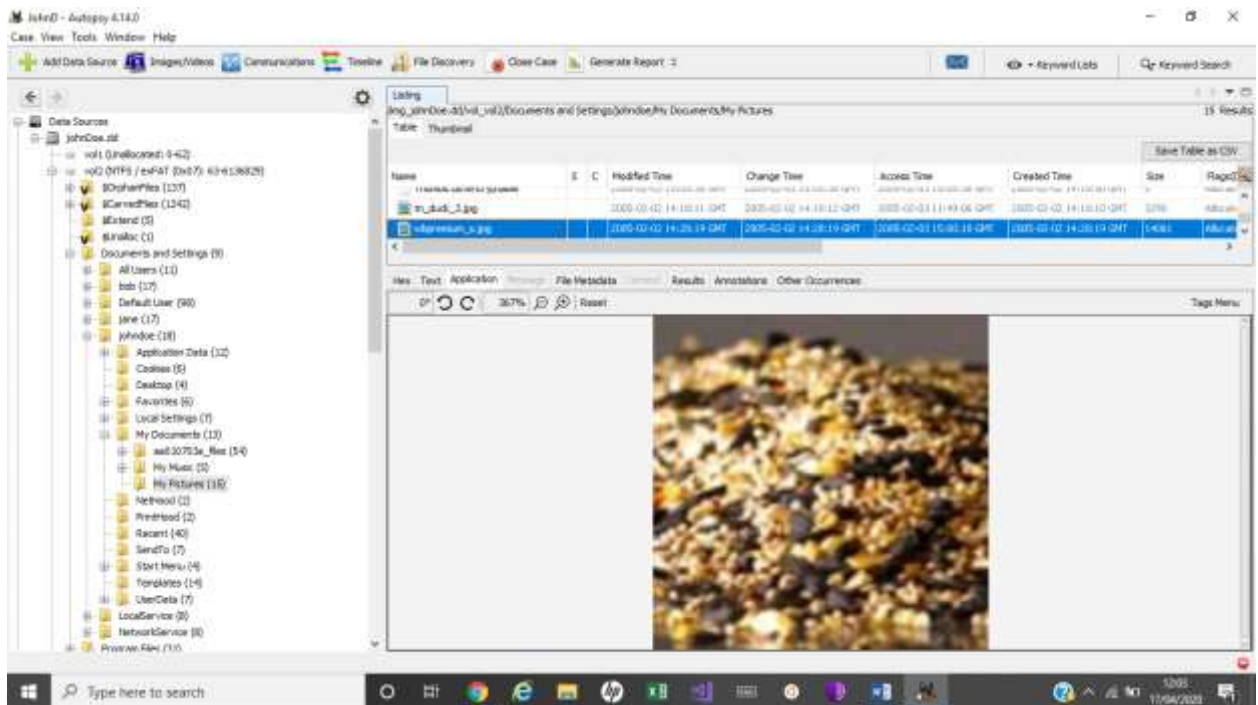




Creation: 2005-02-03 11:49 GMT

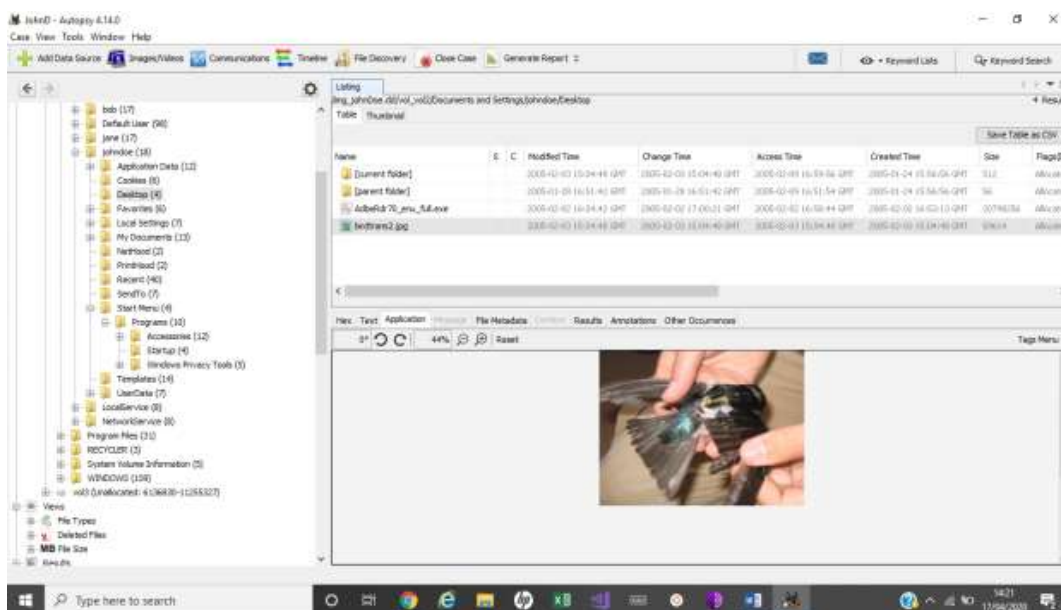


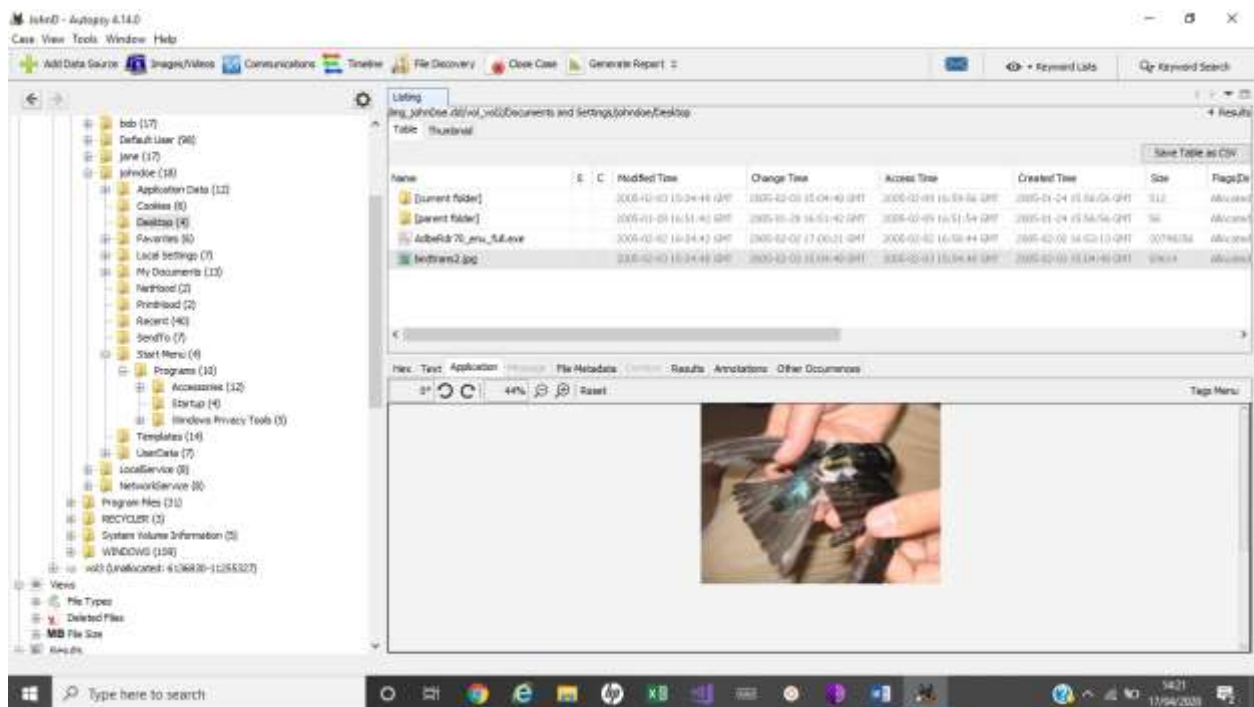
Creation: 2005-02-02 14:18 GMT



Creation: 2005-02-02 14:28 GMT

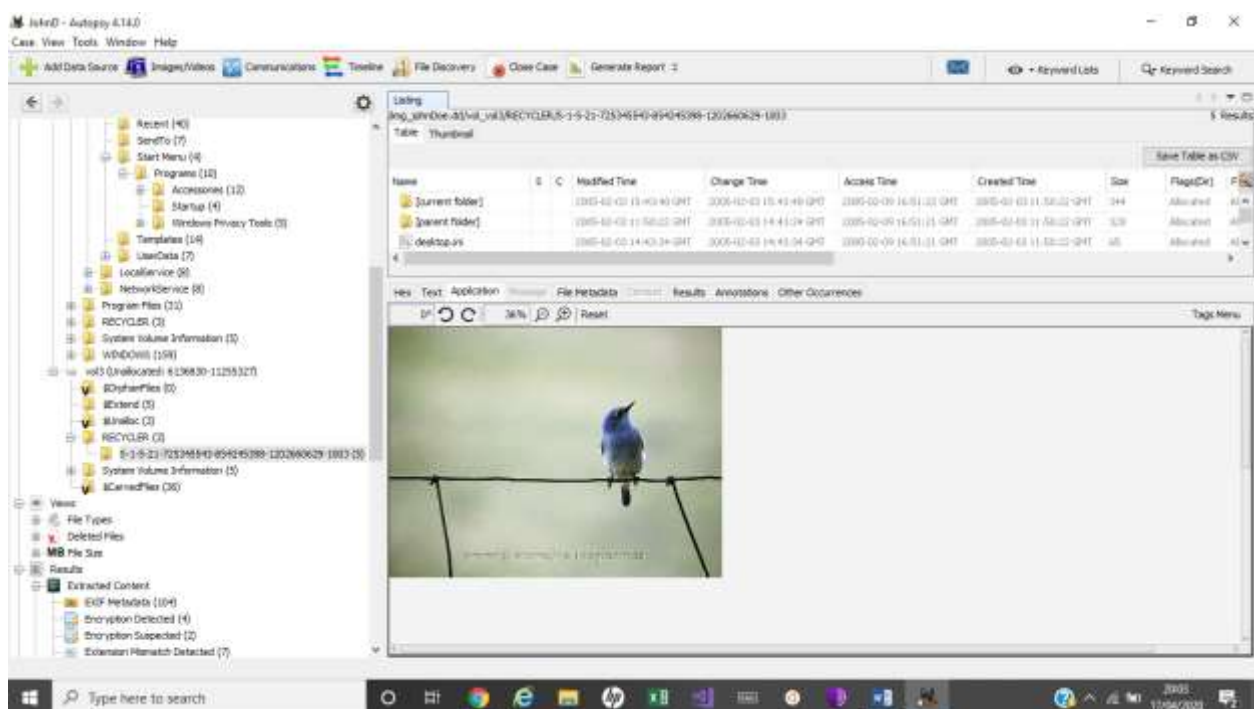
2.



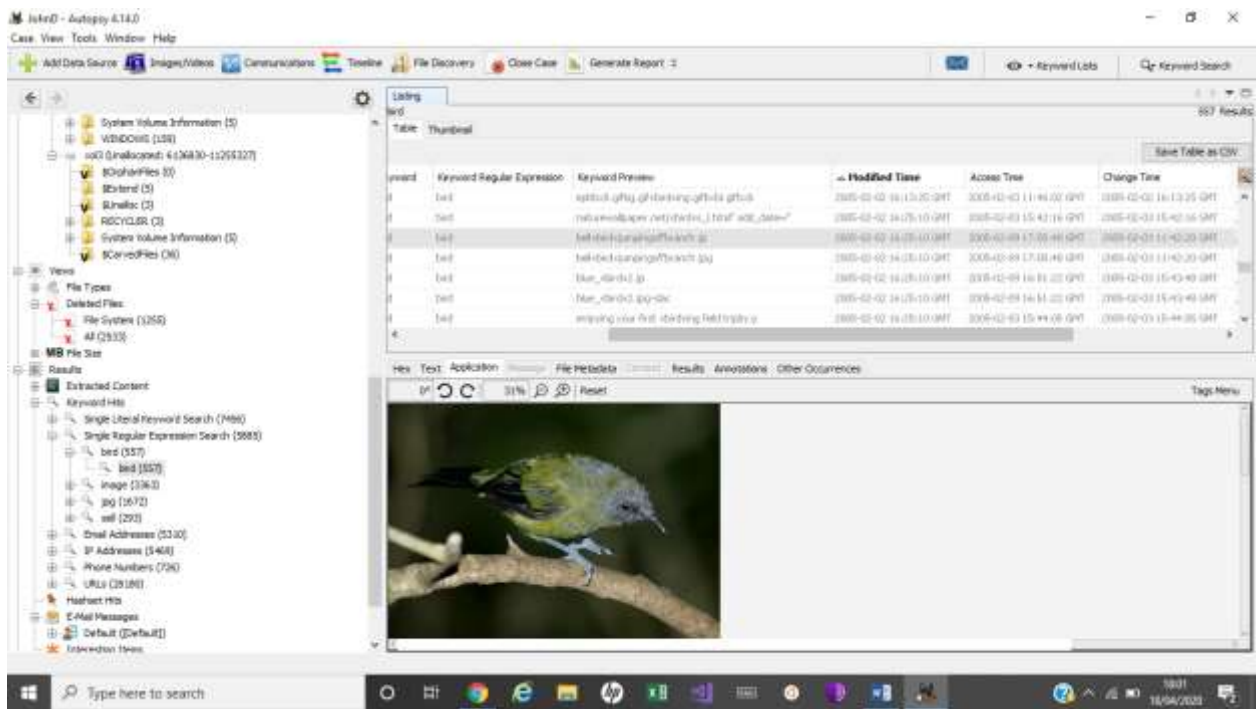
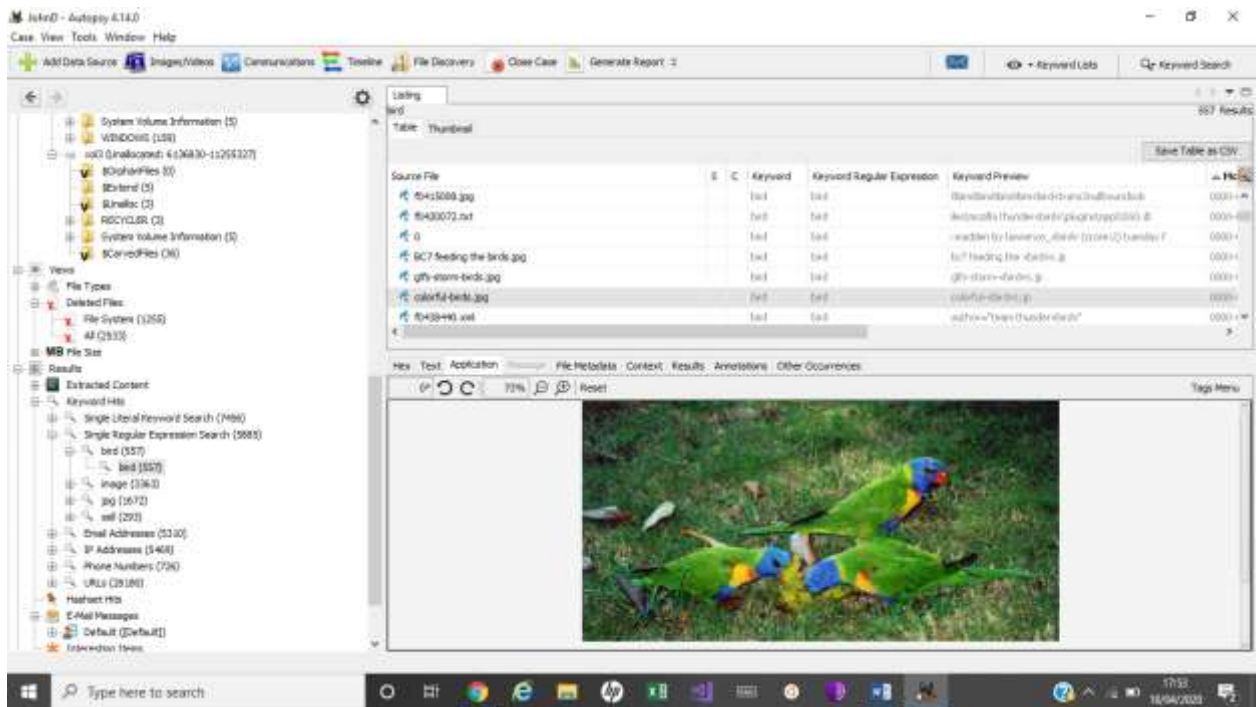


Creation: 2005-02-03 15:04 GMT

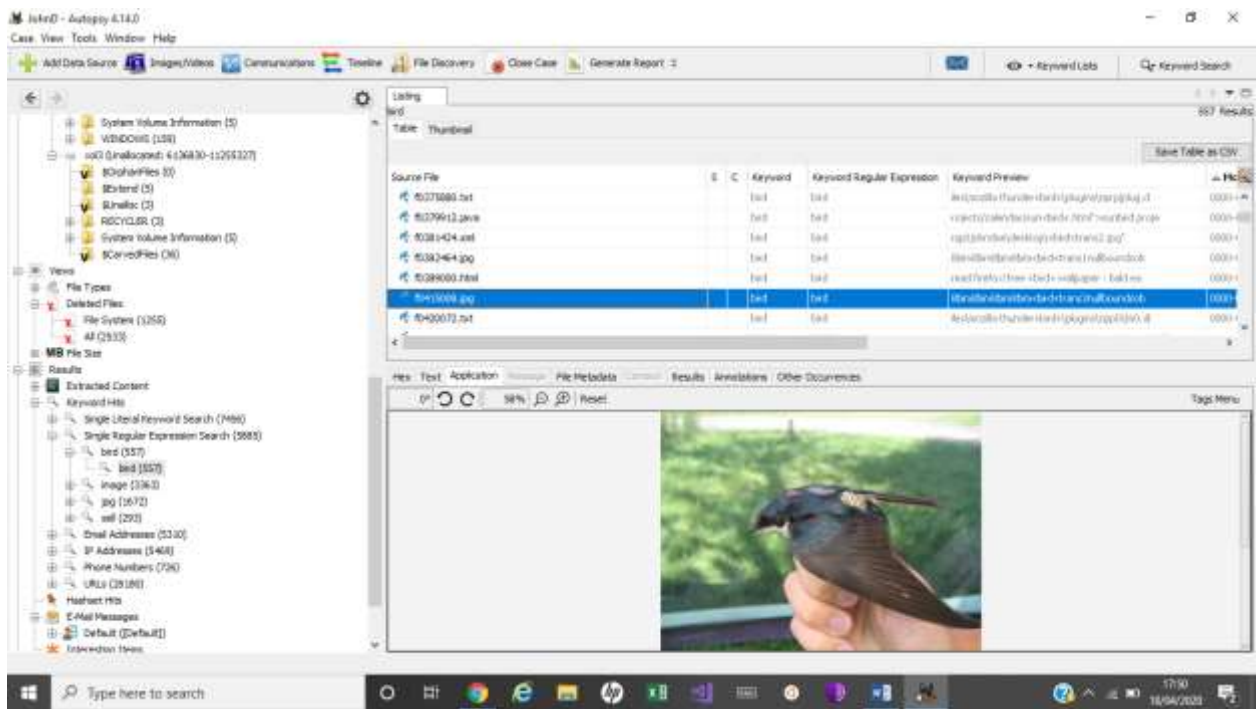
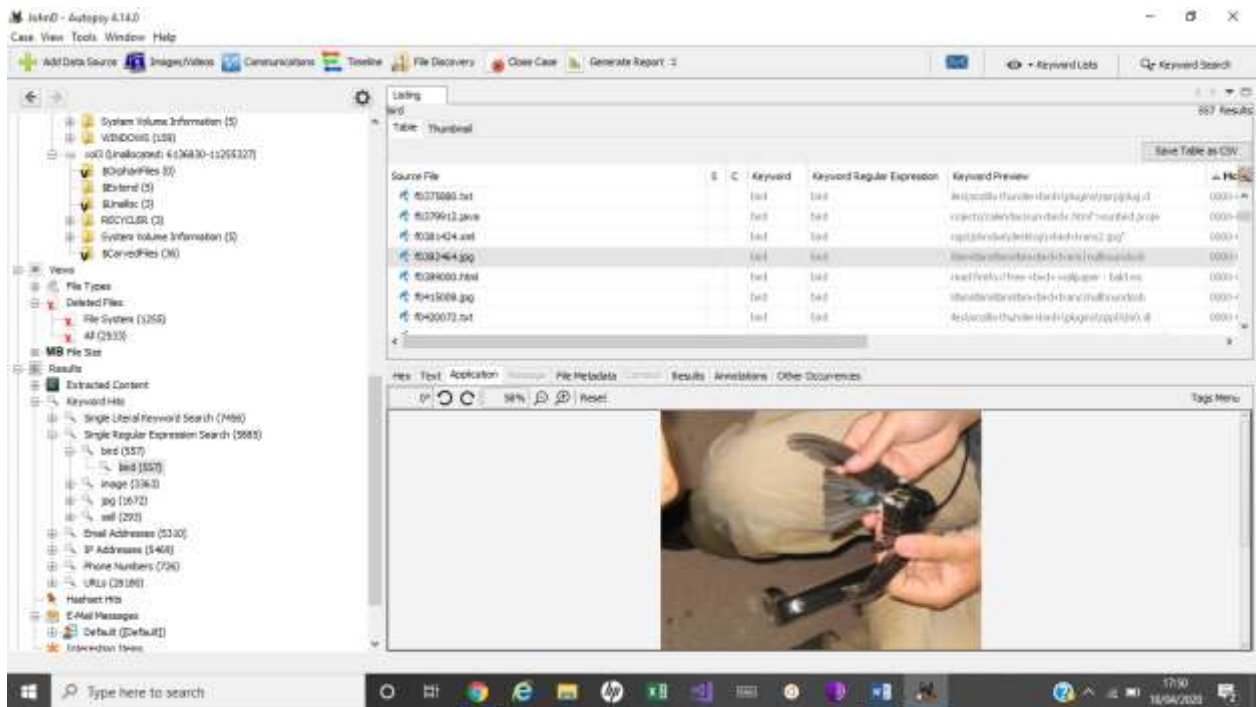
3.

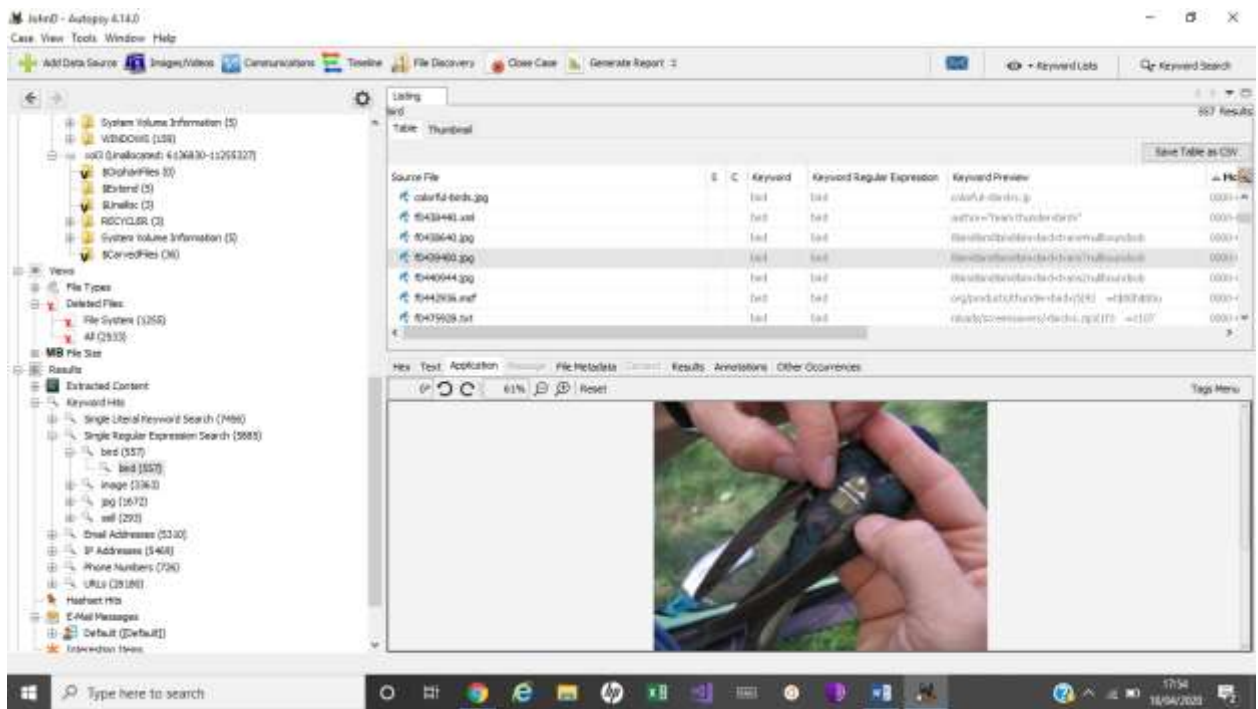
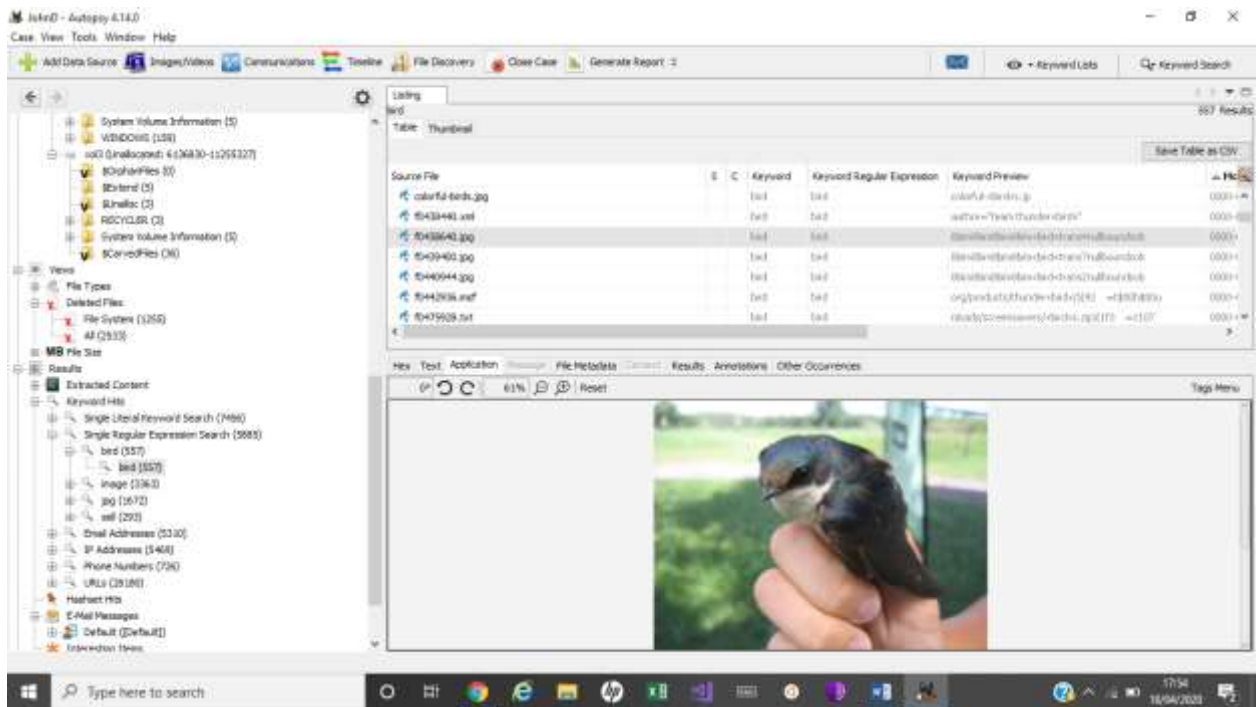


Creation: 2005-02-03 11:42 GMT



4. The following were located under 'unallocated' area of PC

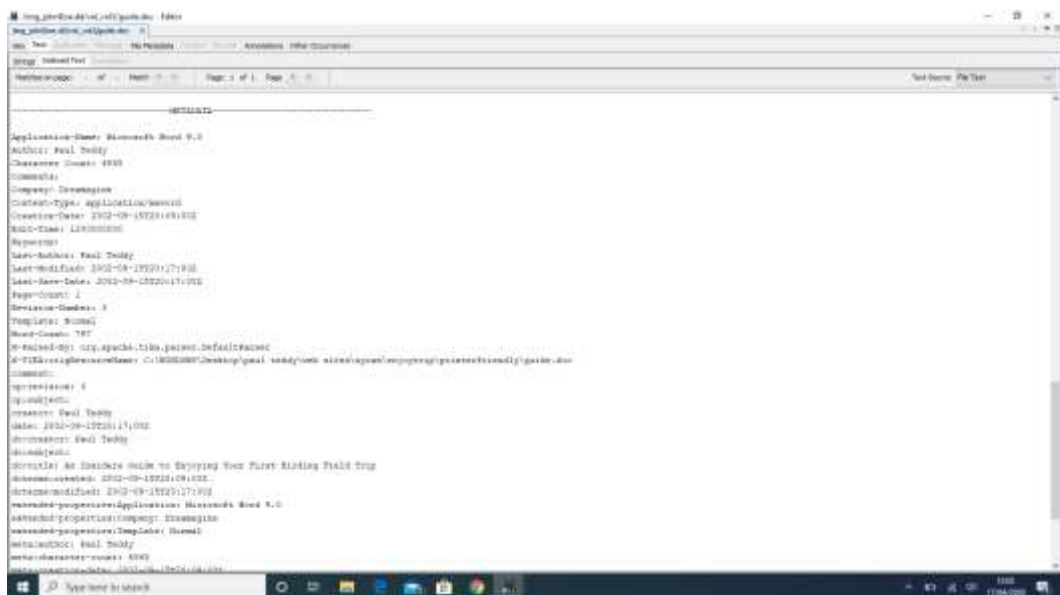




5.

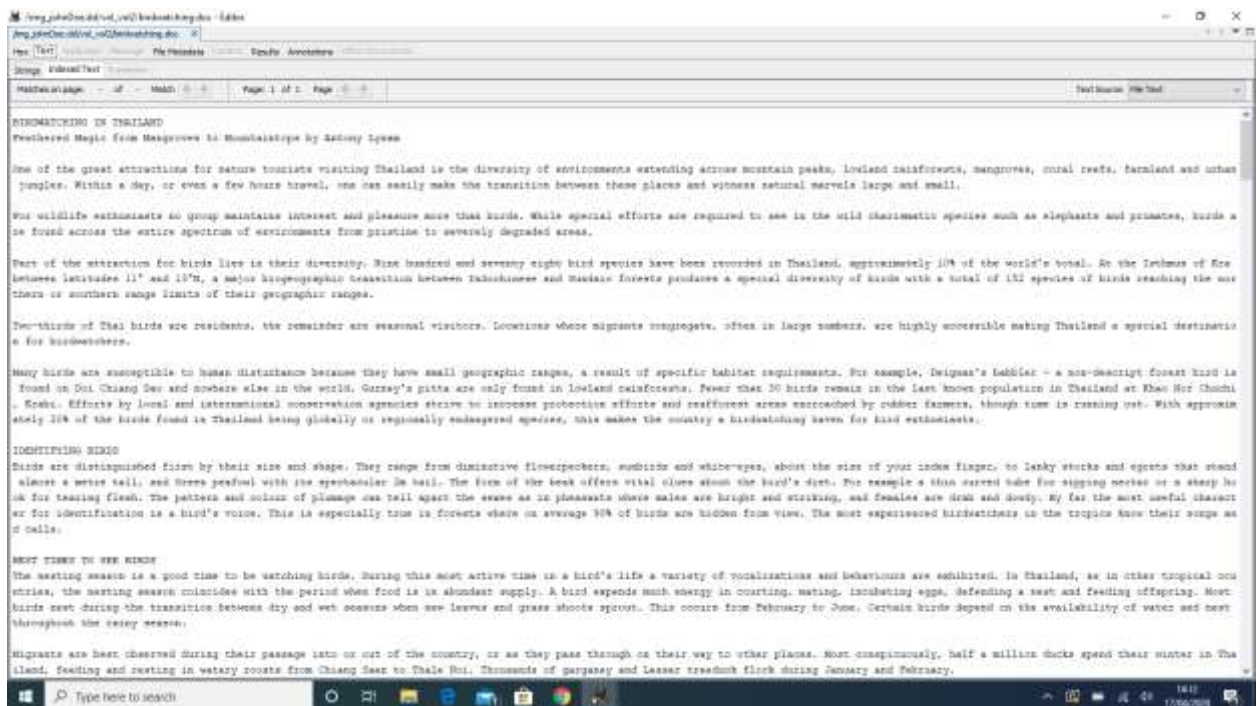
Appendix C. Documents

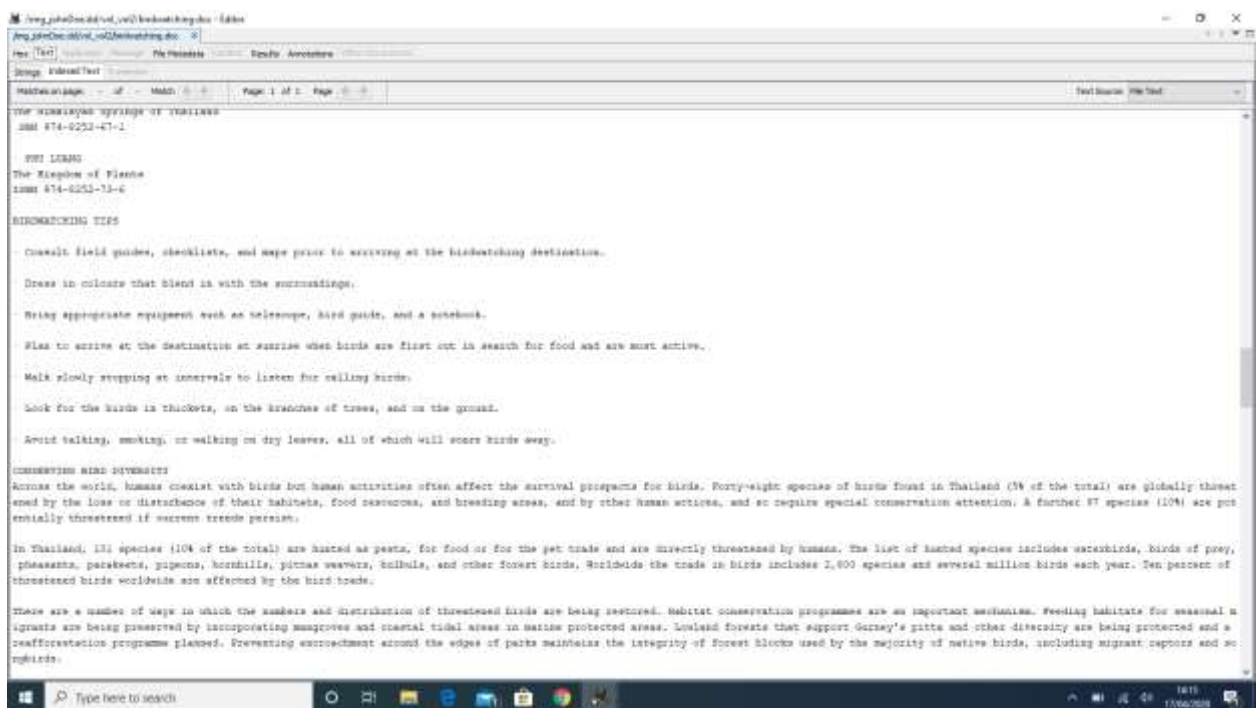
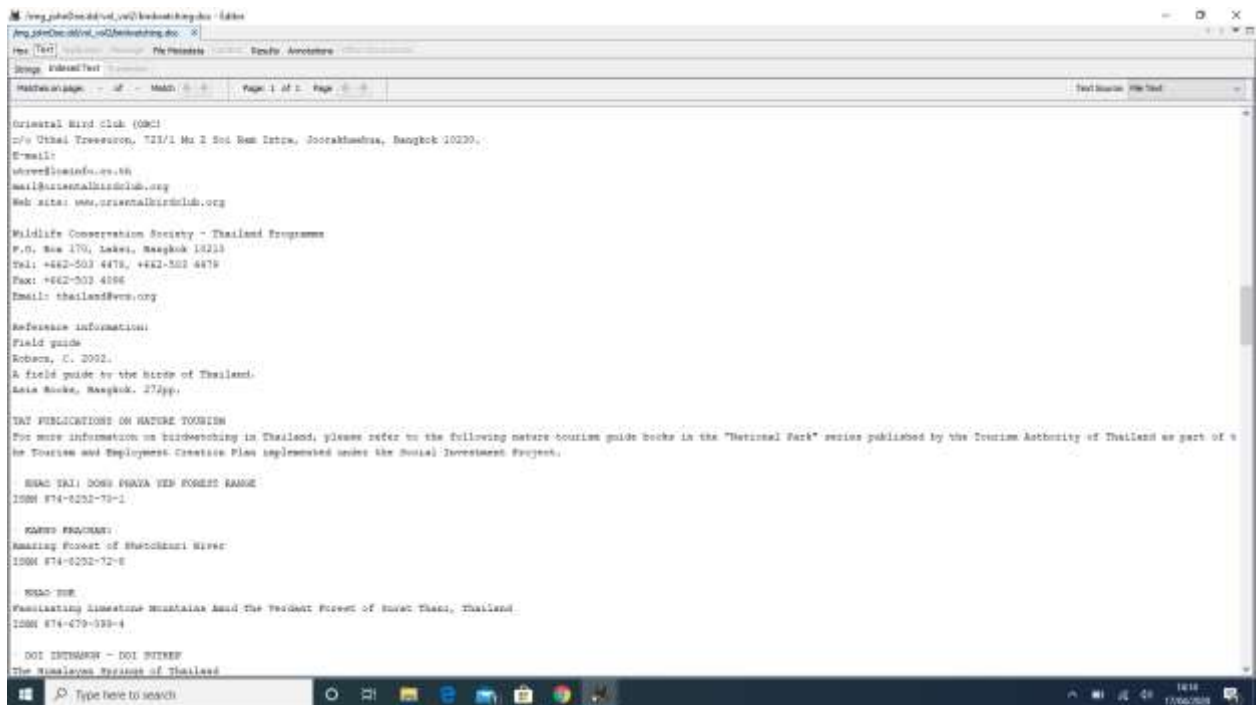
1 - guide.doc created at 2005-02-03 15:44:05 GMT located at /img_johnDoe.dd/vol_vol3/guide.doc

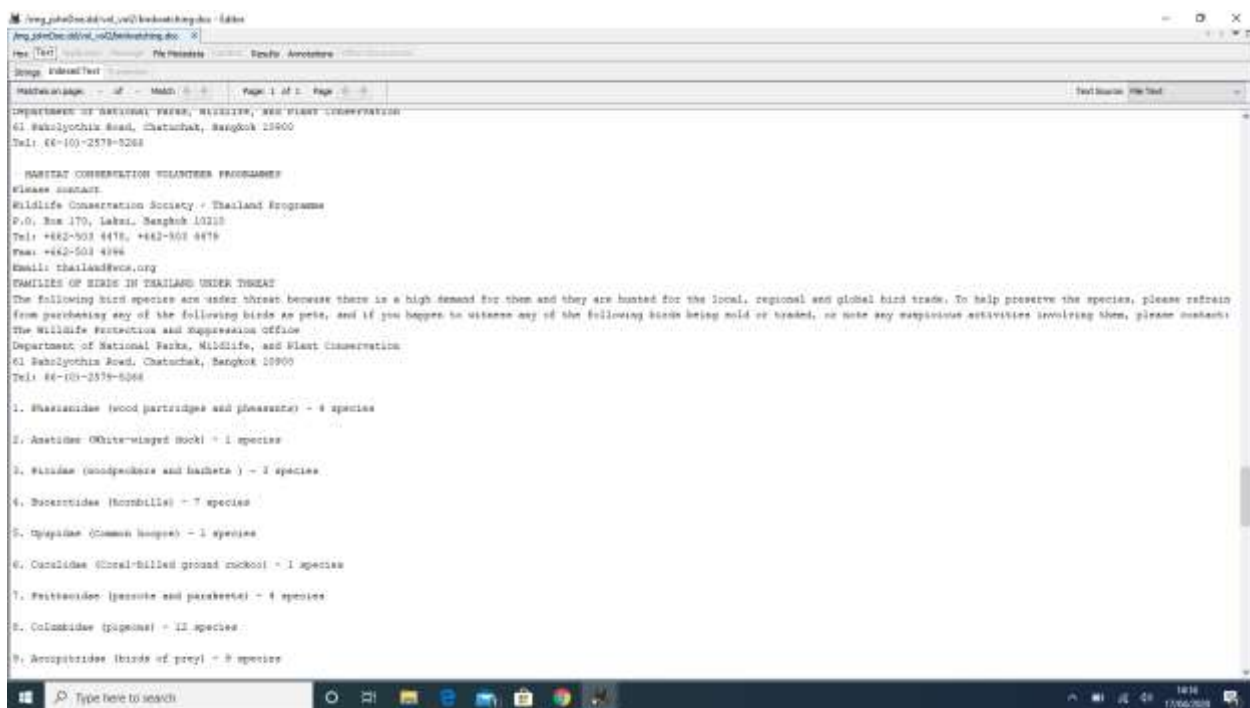


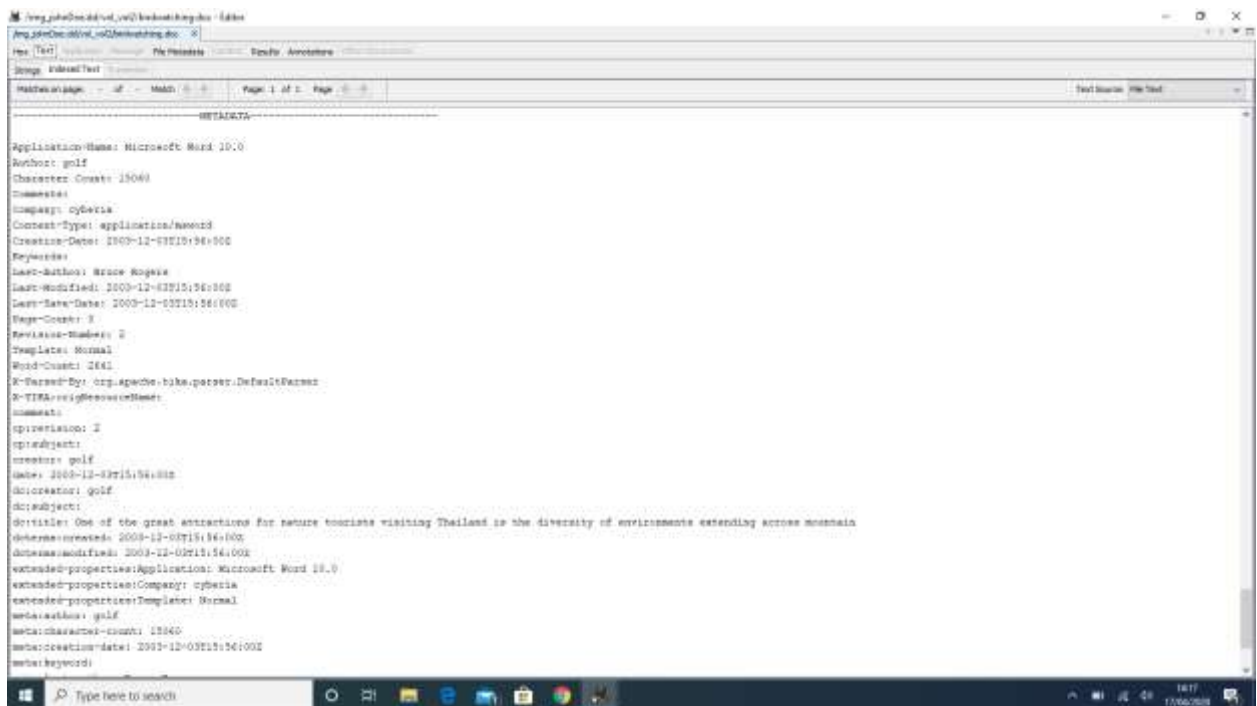


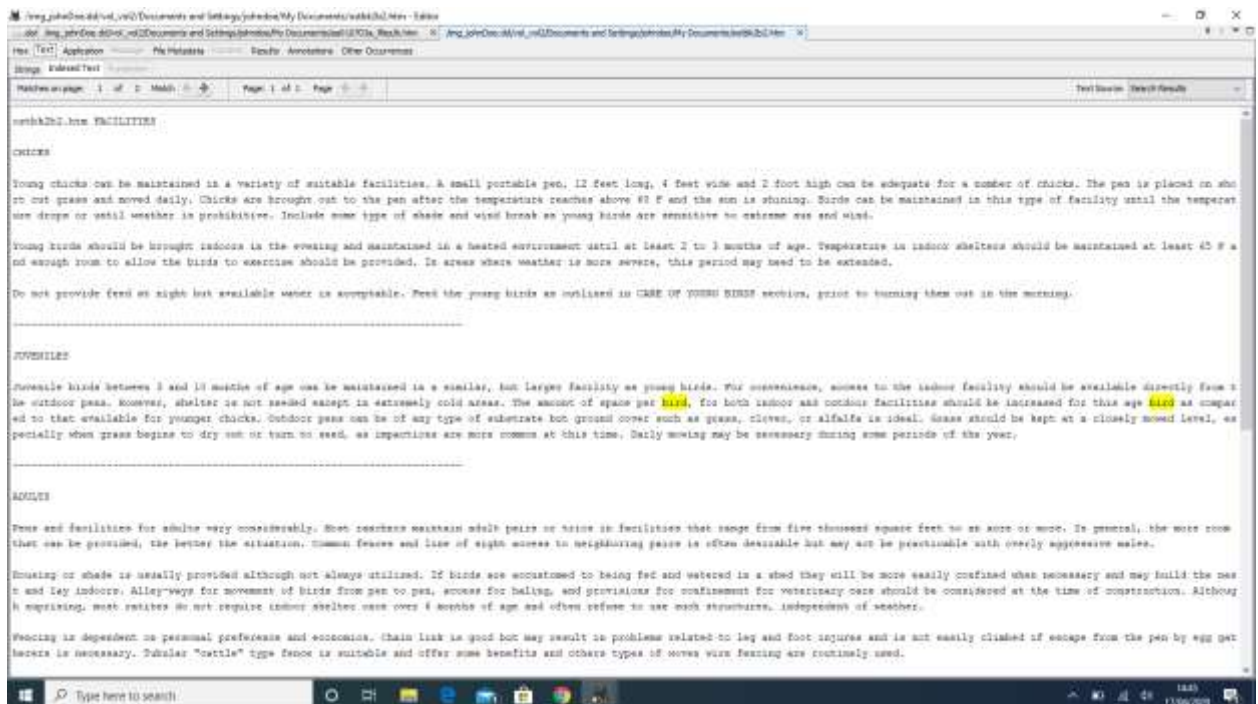
2 - birdwatching.doc created at 2005-02-03 15:49:19 GMT located at /img_johnDoe.dd/vol_vol2/birdwatching.doc



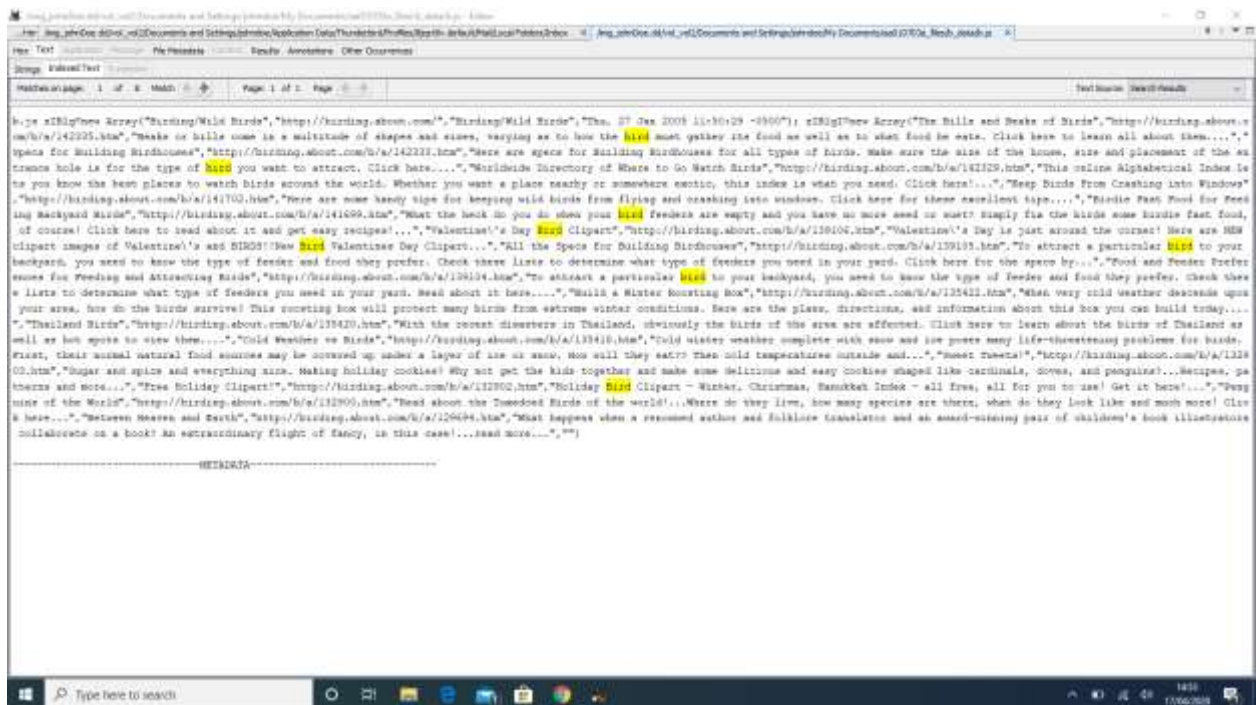




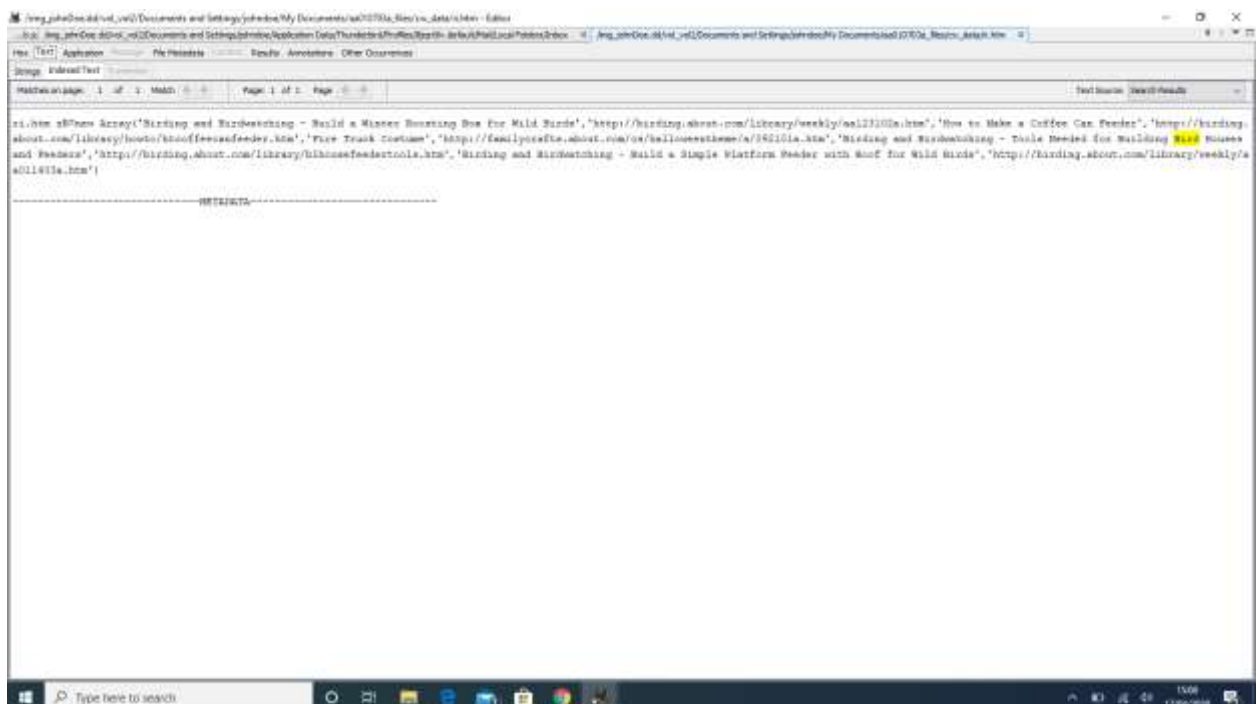




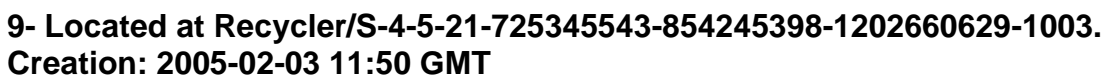
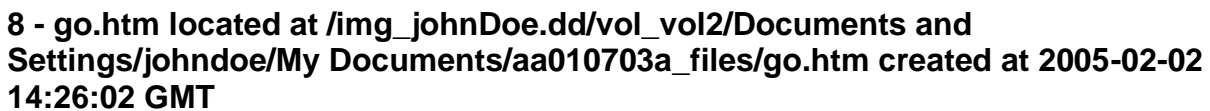
5 - b.js located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/b_data/b.js created at 2005-02-02 14:26:00 GMT



6 - ri.htm located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/cw_data/ri.htm created at 2005-02-02 14:26:00 GMT



7 - birding_p_js.txt located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/c_data/birding_p_js.txt created at 2005-02-02 14:26:00 GMT



Name	S	C	Modified Time	Change Time	A
desktop.ini			2005-02-03 14:43:34 GMT	2005-02-03 14:43:34 GMT	20
Df1.jpg			2005-02-02 16:25:10 GMT	2005-02-03 15:43:48 GMT	20
INFO2			2005-02-09 17:09:26 GMT	2005-02-09 17:09:26 GMT	20

Hex	Text	Application	Message	File Metadata	Context	Results	Annotations	Other Occurrences
Strings	Indexed Text	Translation						

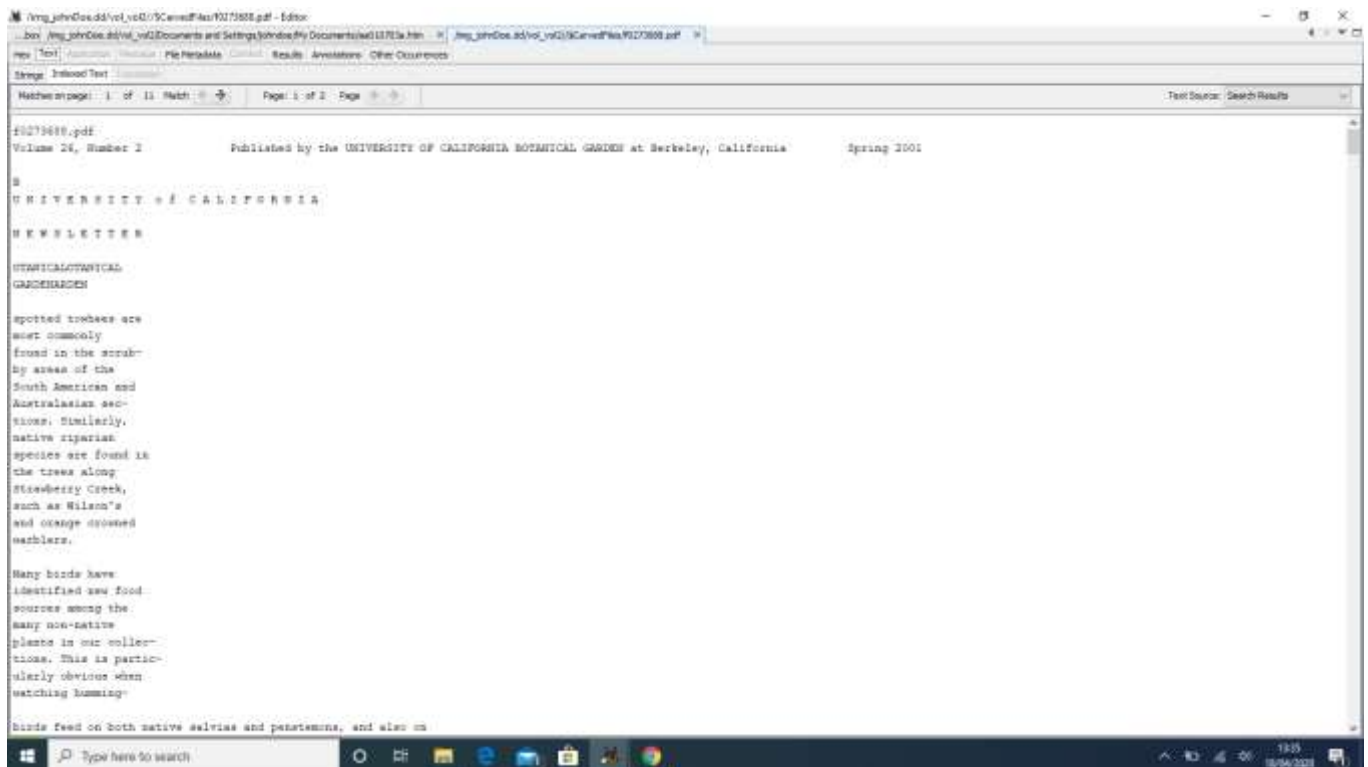
Matches on page: - of - Match Page: 1 of 1 Page

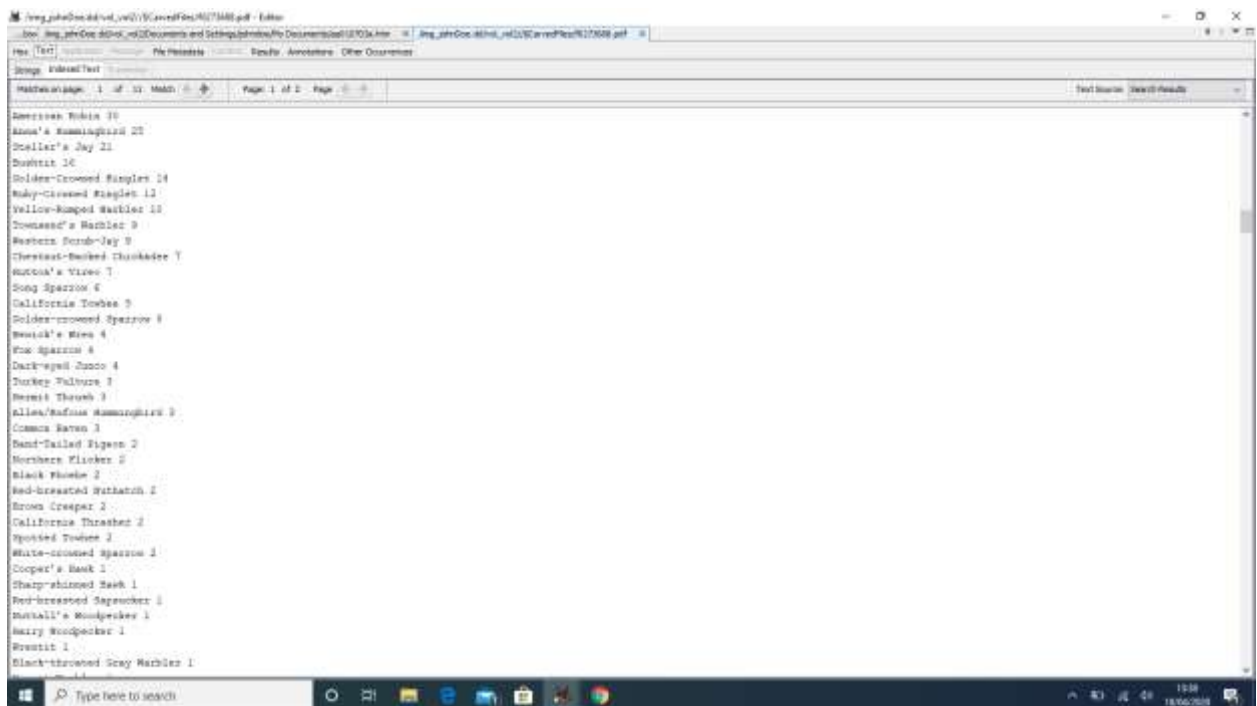
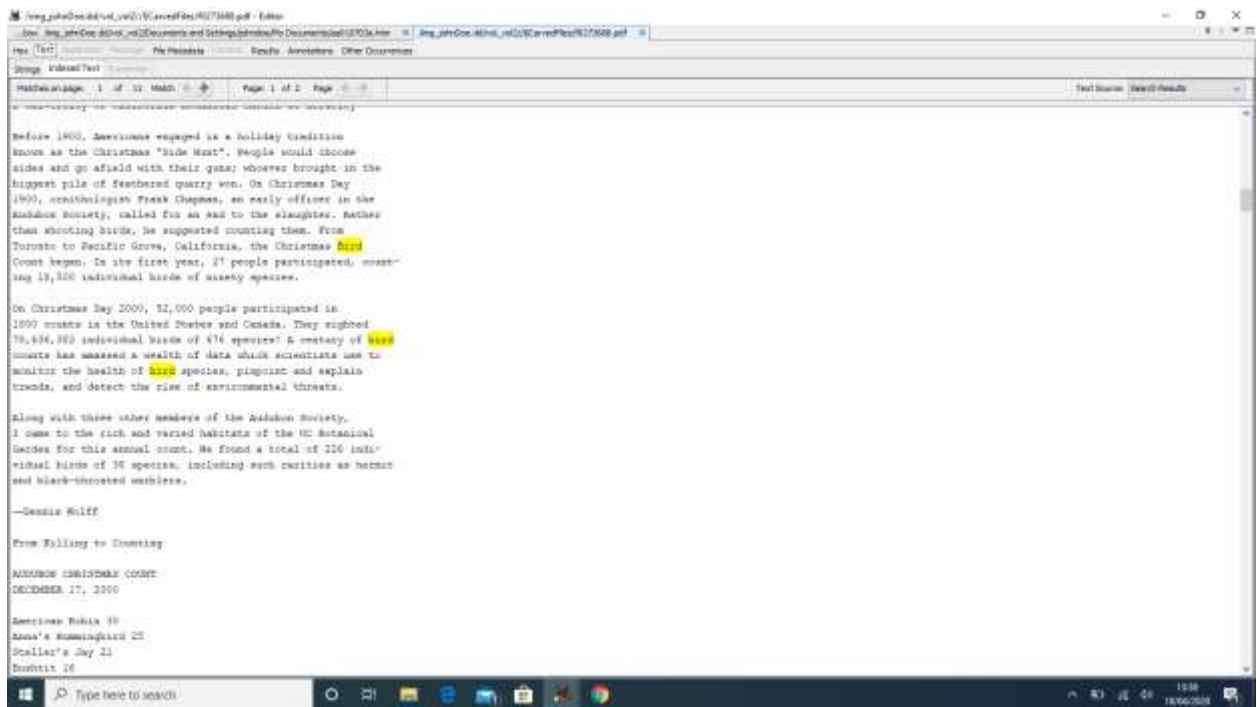
```

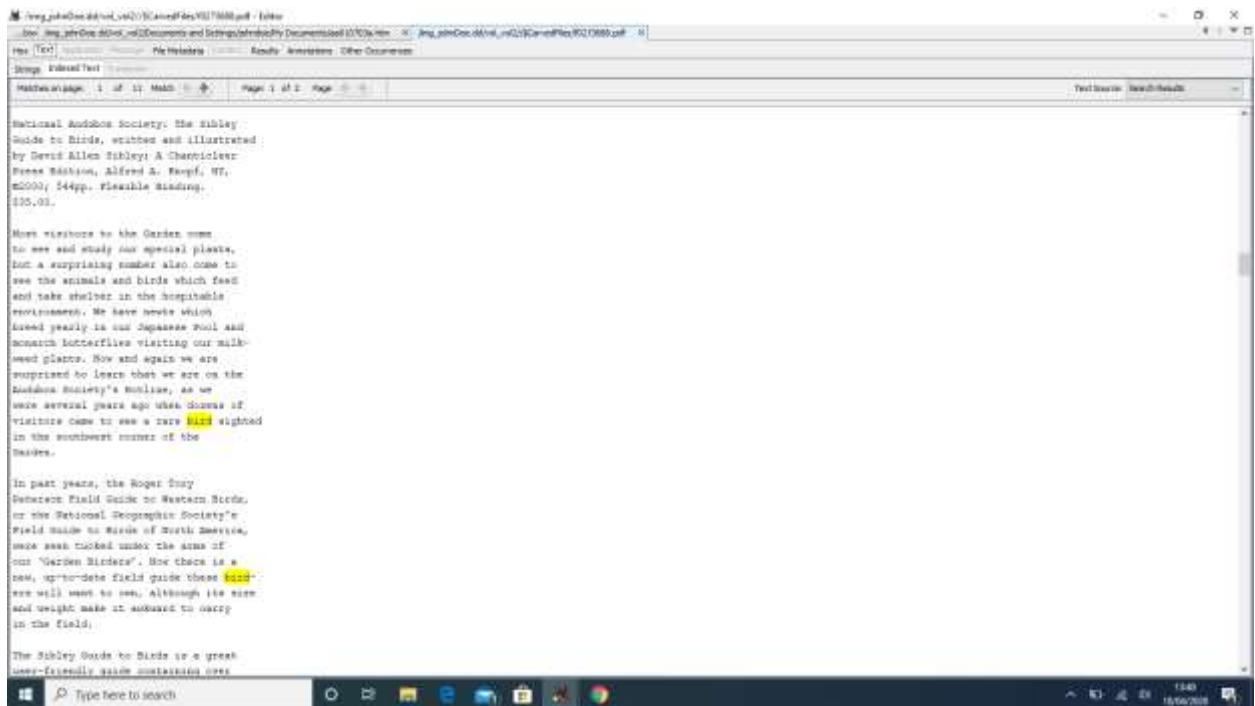
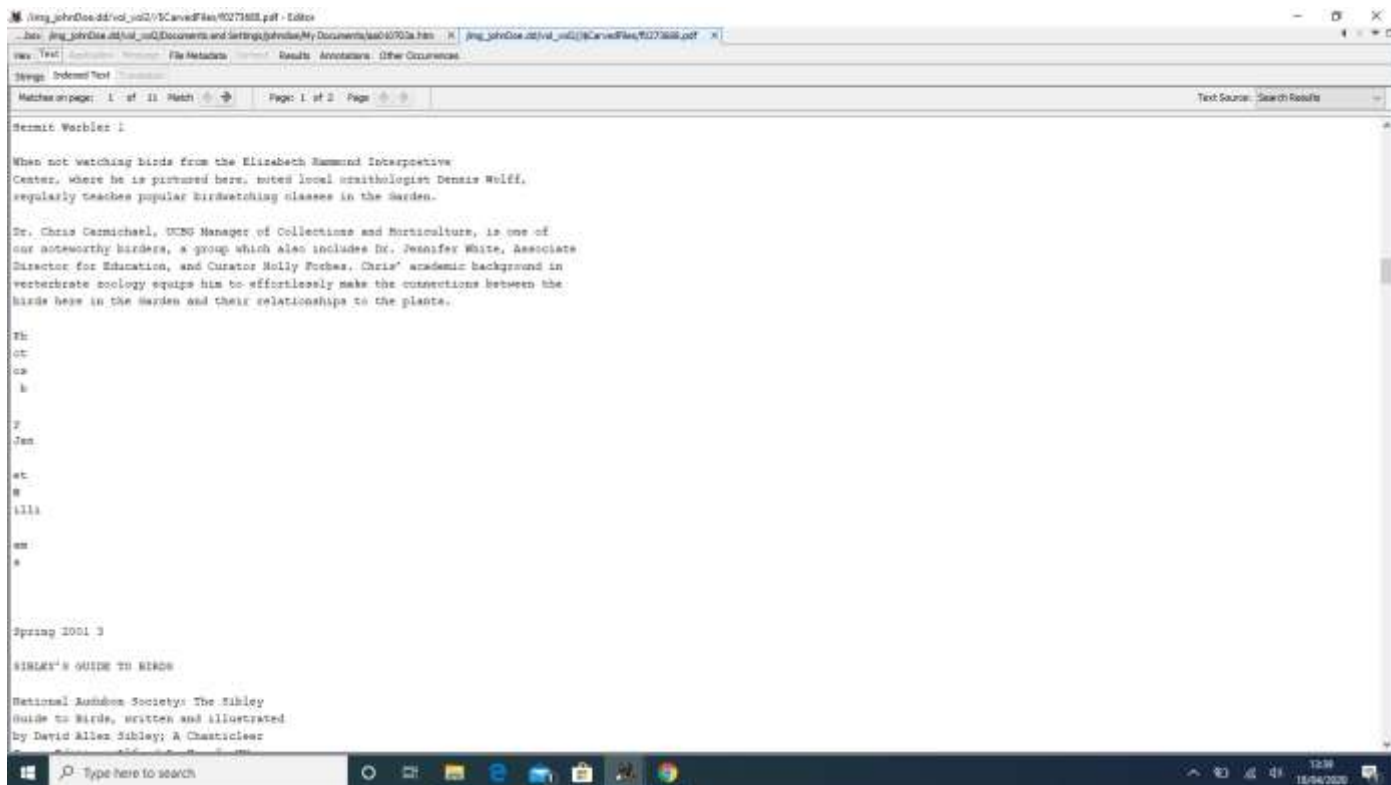
F:\blue_bird2.jpg
Pc '
F:\blue_bird2.jpg

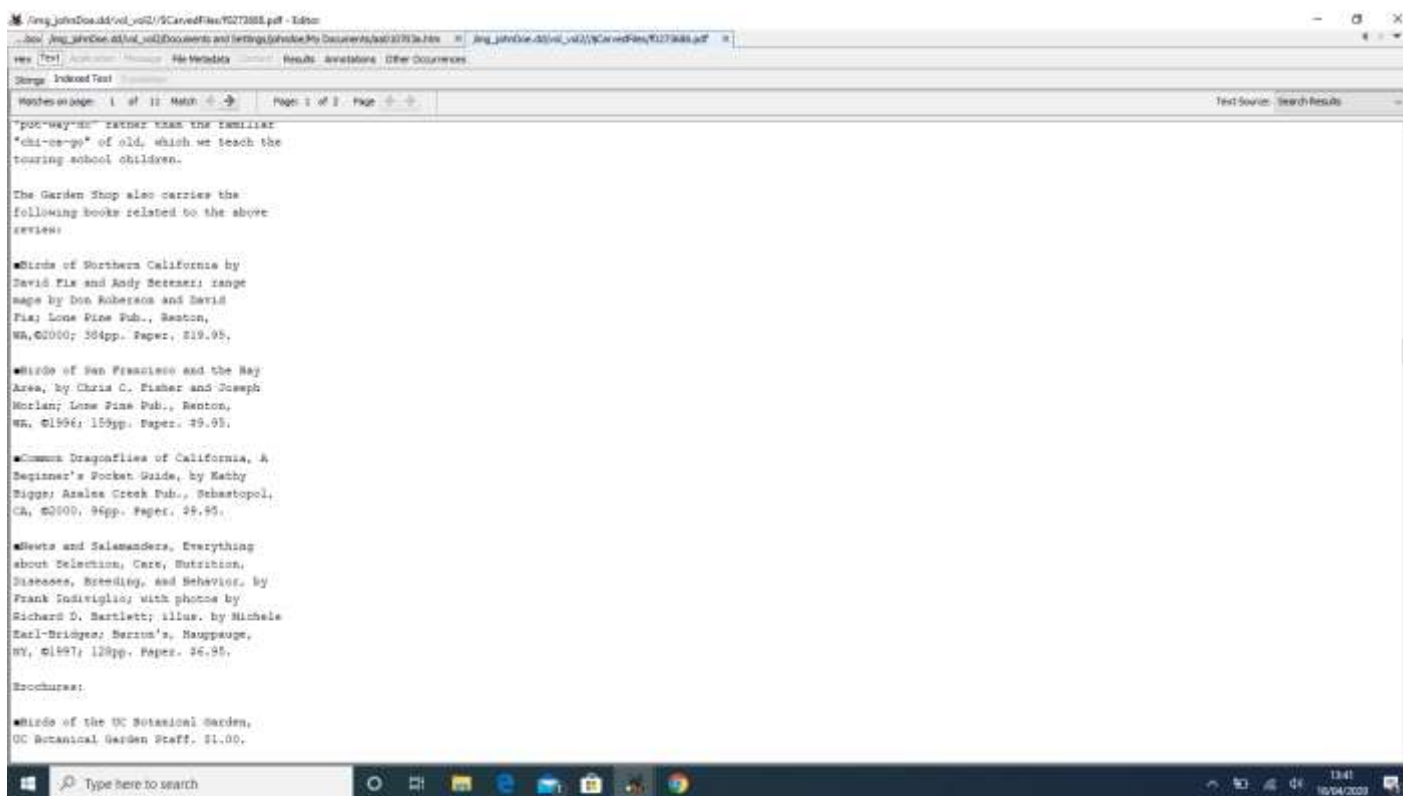
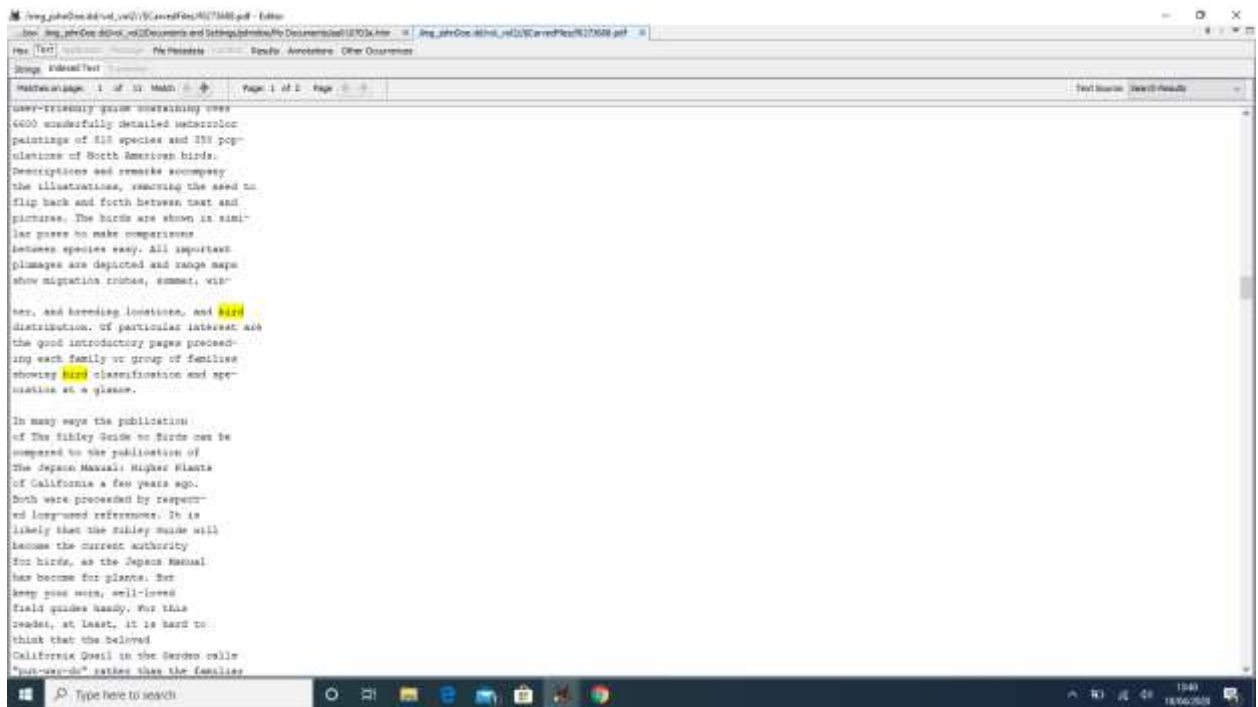
```

10 - f0273688.pdf located at
/vol_vol2///f0273688.pdf



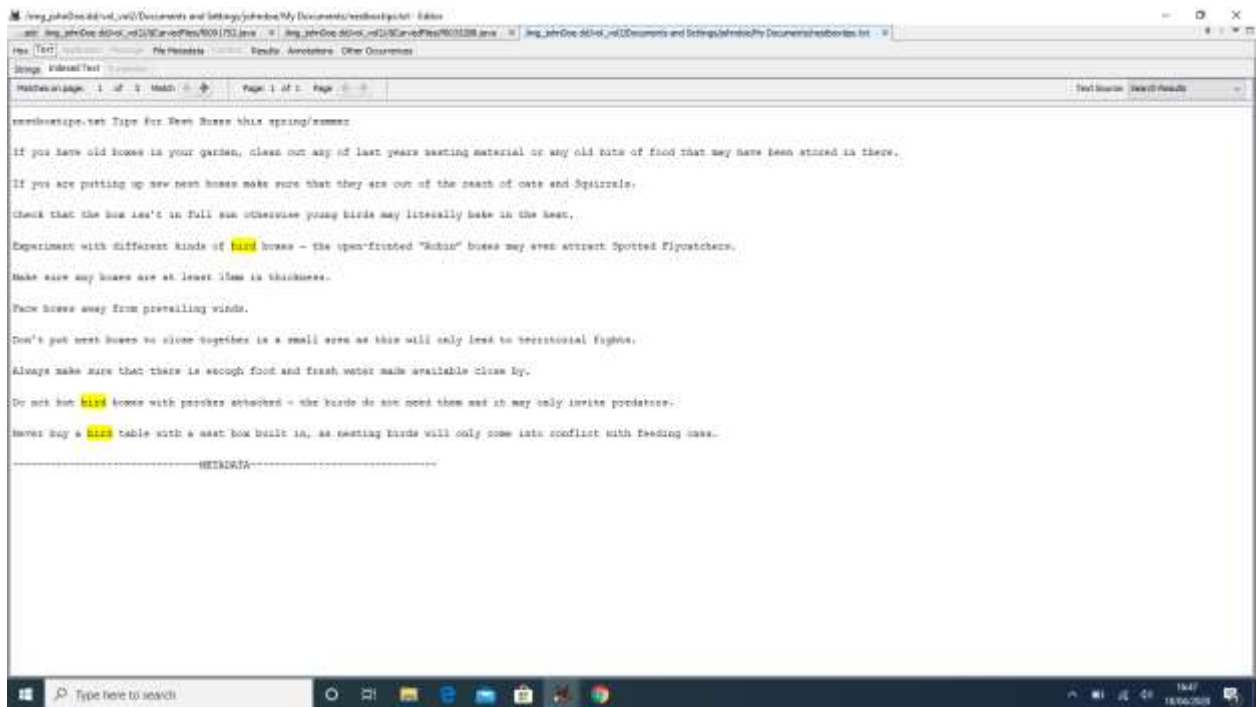




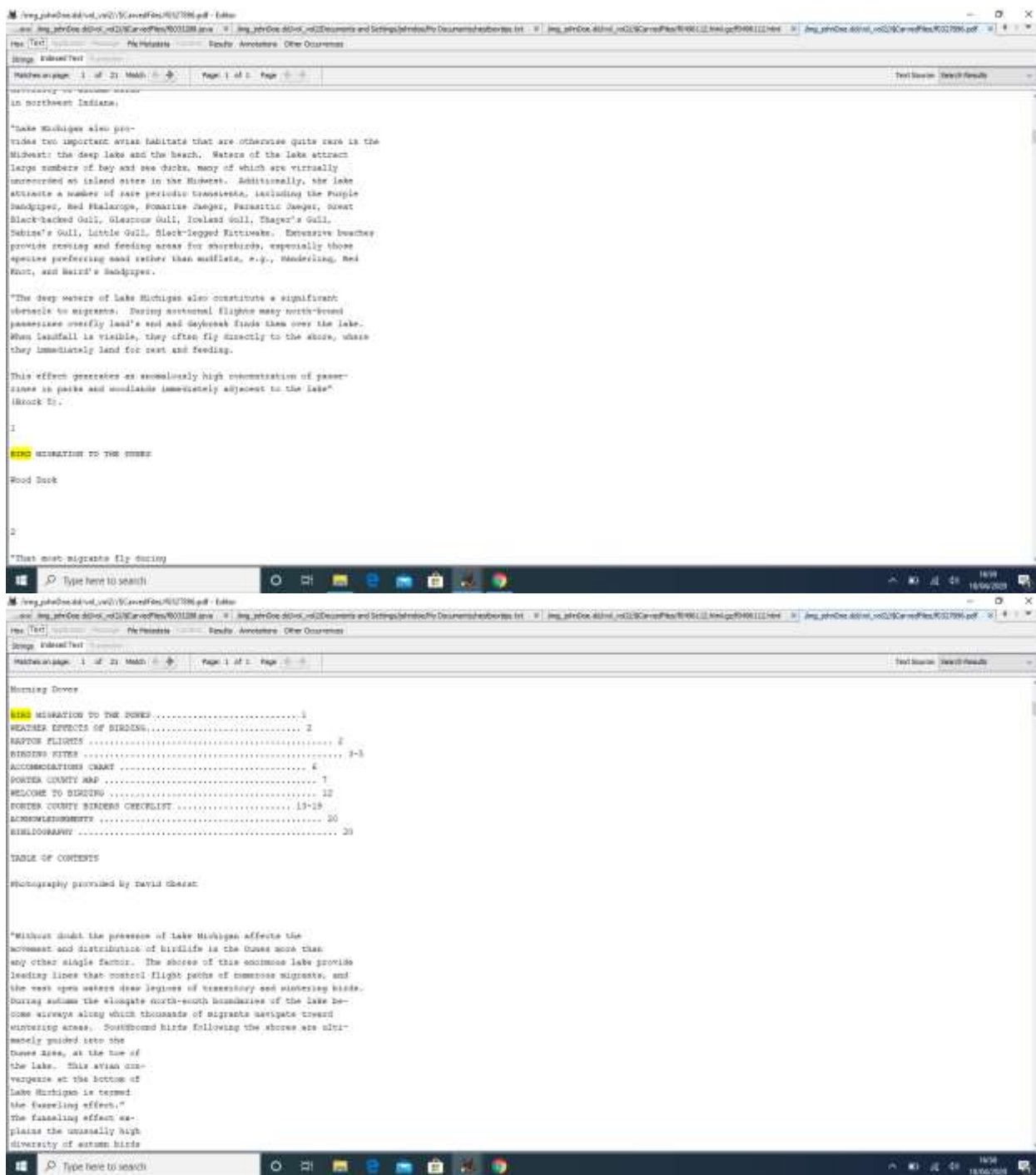


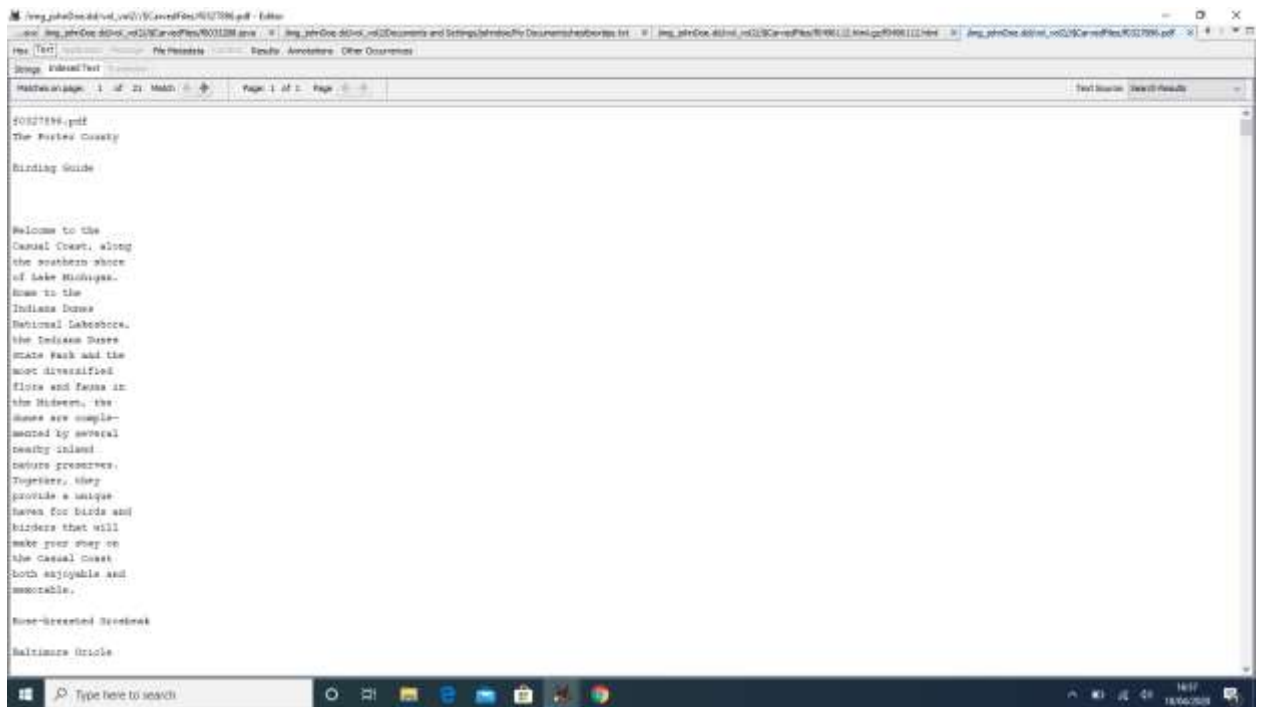
11 - en-GB.jar located at /img_johnDoe.dd/vol_vol2/Program Files/Mozilla Firefox/chrome/en-GB.jar created at 2005-01-24 16:24:34 GMT



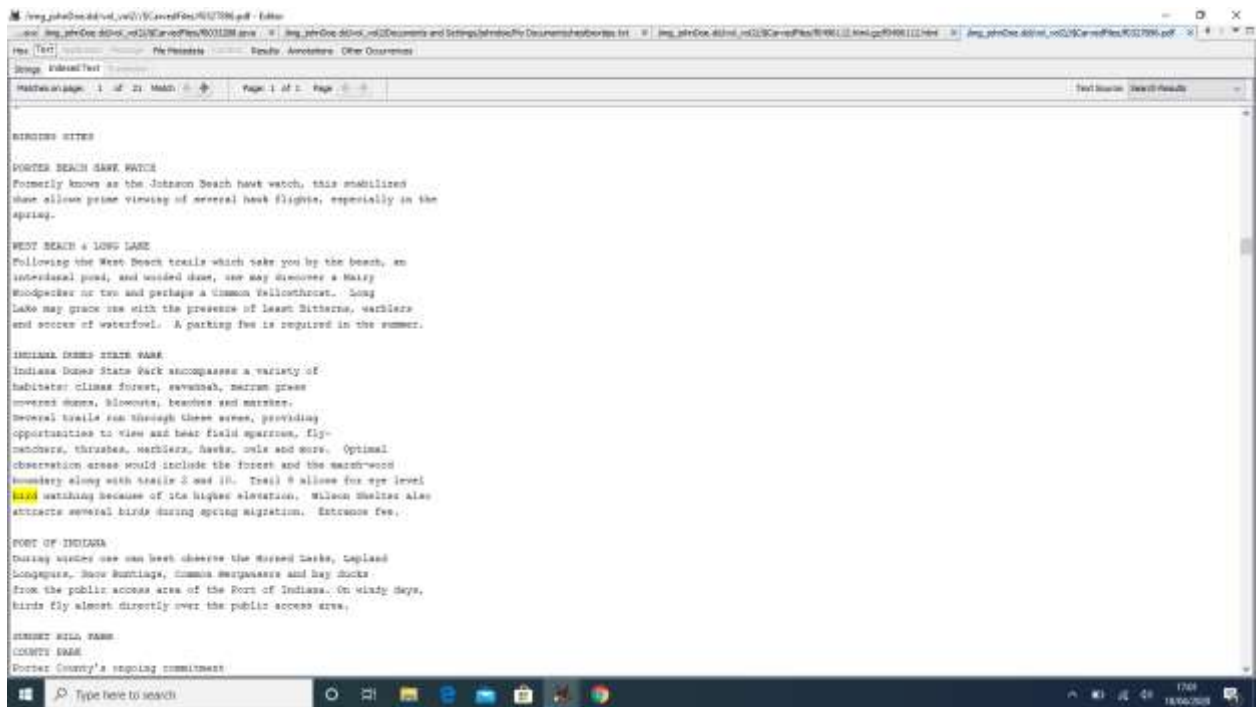


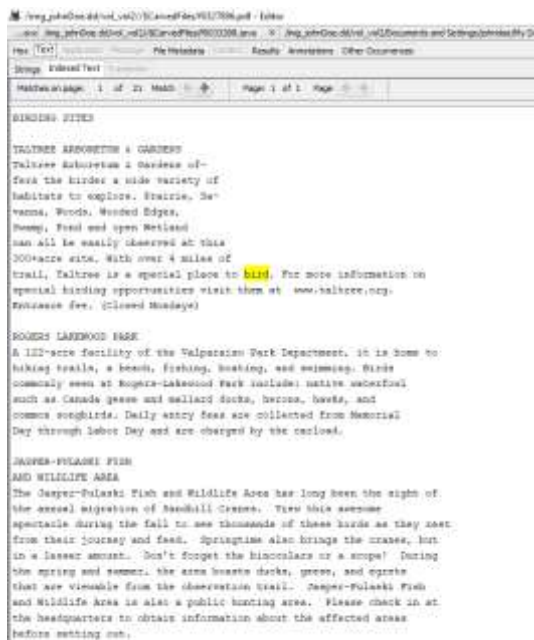
14 - f0327896.pdf located at
/img_johnDoe.dd/vol_vol2//CarvedFiles/f0327896.pdf











Hint #1: HAVE FUN. ASK LOTS OF QUESTIONS, BE KIND TO BIRDS.

These hints are from the popular birding website - Birding.com

12

WELCOME TO BIRDING

13

SORTER COUNTY BIRDS CHECKLIST

HABITAT TYPES & LOCATIONS

L-LAKE; B-BEACH: Lake Michigan and its beachfront including Beverly Shores, Indiana Dunes State Park, Indiana Dunes National Lakeshore

D-DUNES: Indiana Dunes State Park, Indiana Dunes National Lakeshore

F-FIELDS: Cultivated and roadside fields, open areas and prairies such as those found at Taitree Arboretum & Gardens, Indiana Dunes National Lakeshore, Porter Hill Farm County Park and Otis-Creek Watershed Preserve

FL-FLIGHT: Observed in flight

M-MARSH: Areas regularly inundated by shallow water for much of the year. Intermittent marshes are found along Lake Michigan at Beverly Shores, Indiana Dunes National Lakeshore & Indiana Dunes State Park. Marshes are also found along county streams, the most notable being the Kankakee River at the southern border of the county and at Kankakee Fish & Wildlife Area in neighboring Porter County

P-POND: Permanent bodies of water that include small lakes.

Hint #1: HAVE FUN. ASK LOTS OF QUESTIONS, BE KIND TO BIRDS.

Hint #1: HAVE FUN. ASK LOTS OF QUESTIONS, BE KIND TO BIRDS.

WELCOME TO THE WONDERFUL WORLD OF BIRDING!
If you like watching birds in your backyard or you want to travel the world to see all 10,000 bird species, use these ten tips to get started! You might also want to visit WildBirds.com, a great site for serious birders!

Hint #1: You need a field guide for your area. A field guide is a book with pictures of the birds and tips for identifying them.

Hint #2: You need a binocular to see the birds. (Hint: you'd need four eyes to use binoculars.)

Hint #3: You need to know when to expect in your area. Checklists of birds in your area will tell you this. See pages 12-19 for the Porter County Bird Checklist.

Hint #4: You need to be able to find the birds. To do this, you should learn about the habitats each species of bird prefers. See page 11 for habitat information and the Bird Checklist for where to spot each species.

Hint #5: Join a group of other birders. Birders are very friendly and helpful. They are always willing to share their knowledge. We were all beginners once.

Hint #6: Try a birding trip or tour. Local bird trips are sometimes advertised in the newspapers. Check out the Birding Sites information on pages 3-5 for information on local bird trails.

Hint #7: Read about birds. There are many good magazines about birds and birding. For North American birds: *Birds of the World*, *Bird Watcher's Digest*, *Birding* and *WildBird* are magazines you might like.

Hint #8: Bring the birds to you. You can attract birds to your yard with just a little work. Planting the right flowers will attract honeycreepers. Sunflower seeds will bring lots of new birds to your house. You might even want to build a bluebird house.

Hint #9: Record your bird sightings. You might want to keep a "diary" or list of the birds you see in your yard. You can also keep a list of birds you see in your town or on your vacation. Birders often

[illegible][illegible]

[illegible]

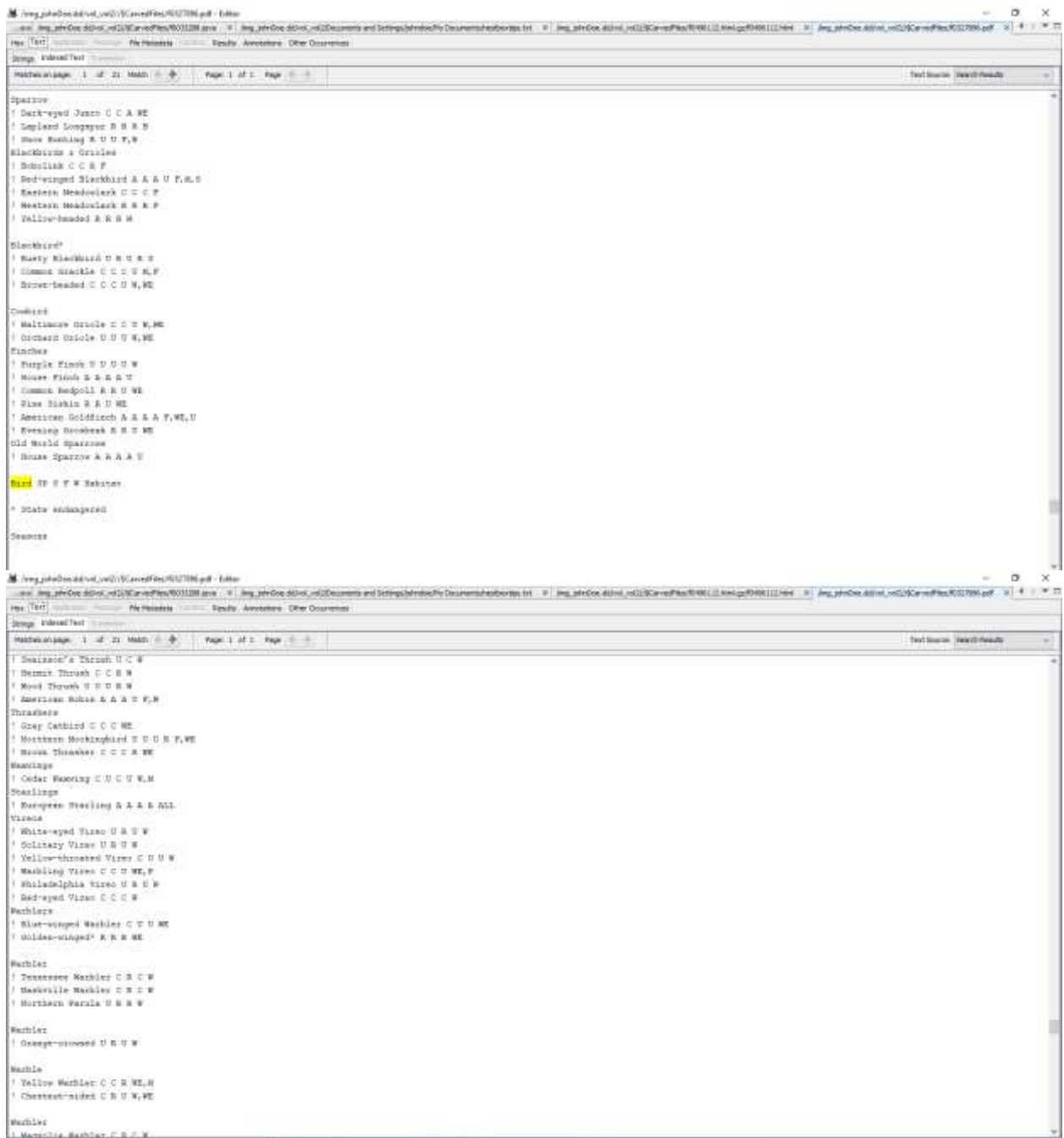
```

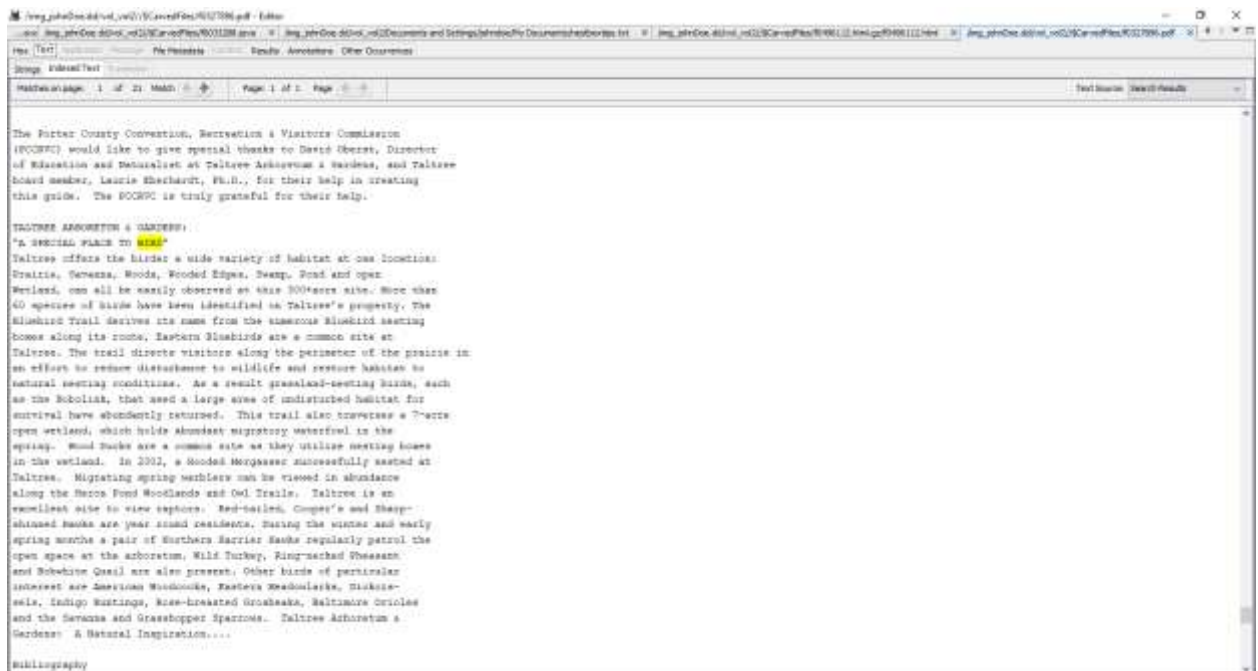
% http://www.birds.vt.edu/~/w/Carroll/USDP98
and http://www.birds.vt.edu/~/w/Carroll/USDP98
res [Y/N] File Name(s)
Type: Field List
Matrix example: 1 of 20 tracks
1 Yellow-bellied U C B M
Flycatcher
1 Acadian Flycatcher C C B M
1 Alder Flycatcher U B M
1 Willow Flycatcher C C B M
1 Severe Flycatcher C B C M,WE
1 Eastern Bluebird C C D F, M, WE
1 Asat-crested C C B M
Flycatcher
1 Eastern Kingbird C C D F, M
Larks
1 Horned Lark C C U F
Swallows
1 Purple Martin C C C F, F
1 Tree Swallow C C C F, M
1 Rough-winged H U B V, M
Swallow
1 Bank Swallow C C U B, D
1 Cliff Swallow A A A F
1 Barn Swallow C C A F
Jays & Crows
1 Blue Jay A A A F, WE
1 American Crow A A A A, A, WE
Titmouse
1 Black-capped C C C B
Chickadee
1 Tufted Titmouse C C C B
Nuthatches
1 Red-breasted U B U M
Nuthatch
1 White-breasted C C C B

```

File	Text	File Metadata	Results
Image	Indexed Text		
Matches on page	1 of 21	Match	Page
Red Phalarope U L, B Common Stipe U B U B M, F American Woodcock C C C B S, B Jaegers Varied Jaeger U L, B Pomarine Jaeger U L, B Gull Little gull M B M B Bonaparte's Gull C A C U L, B Laughing Gull U B B B L Ring-billed Gull A C A C L, B Bald of S F B Habitat Scats endangered Redpoll 16 PORTER COUNTY BIRDS CHECKLIST Herring Gull A U A A L, B Jaeger's gull A U A, B Iceland Gull U B B L Glaucous Gull B B U L, B Great Black-backed U B B U L Gull Sabine's Gull U B L Black-legged B B U L Kittiwake Dove Canadian Hawk C B B B B			

File	Text	File Metadata	Results	Annotations
Image	Indexed Text			
Matches on page	1 of 21	Match	Page	1 of 1
PORTER COUNTY BIRDS CHECKLIST Common C C C B Yellowthroat Hooded Warbler U B B B Wilson's Warbler C C C B Canada Warbler C C C B Yellow-breasted Chat U B B B, WE Tanagers Scarlet Tanager C C C B Cardinals & Mockers Northern Cardinal A A A B, WE Rose-breasted C C C B Redbreast Indigo Bunting C C C B, WE Dickcissel U U U F Sparrows Eastern Towhee C C C B WE Tree Sparrow C C C B, WE Chipping Sparrow C C C B, WE, D Field Sparrow C C C U F, D, M Vesper Sparrow U U U F, D Bewick's Sparrow U U U F, D Grasshopper Sparrow U U U F Fox Sparrow C C B WE Song Sparrow C C C U M, WE Lincoln's Sparrow U U M Swamp Sparrow C C C U M, F White-throated C C B WE Sparrow White-throated C C B WE				



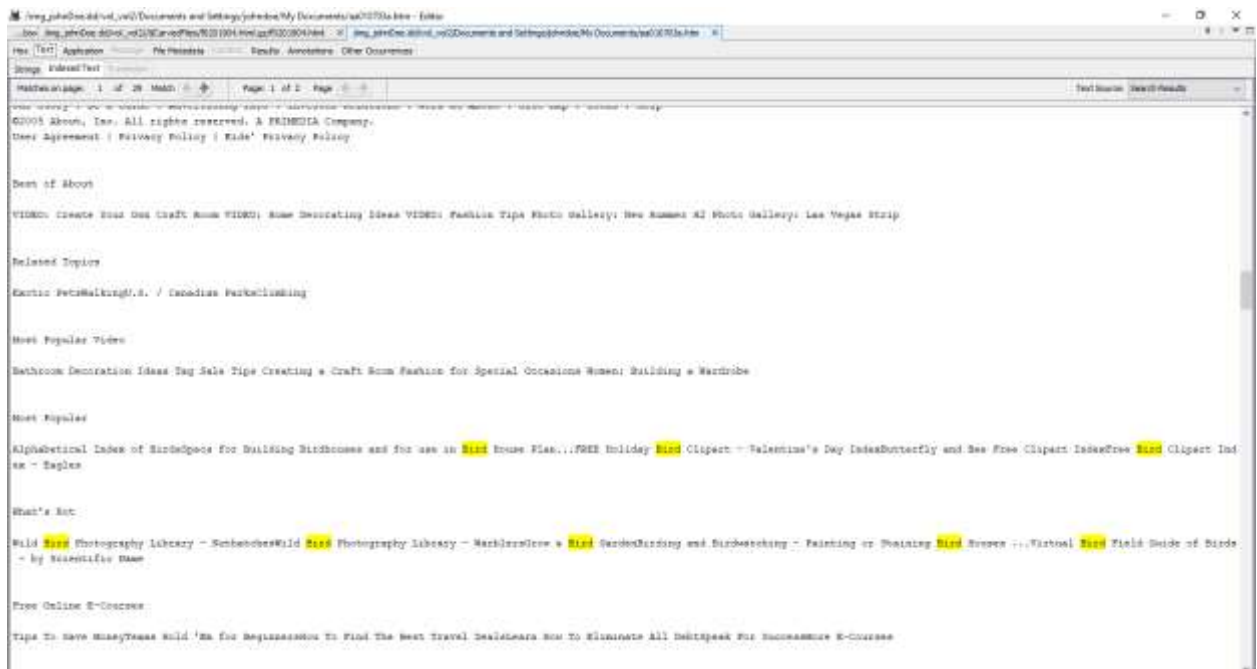


15 - aggressive_song.wav.Ink-slack located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Recent/aggressive_song.wav.Ink-slack created at 2005-02-03 12:22:51 GMT

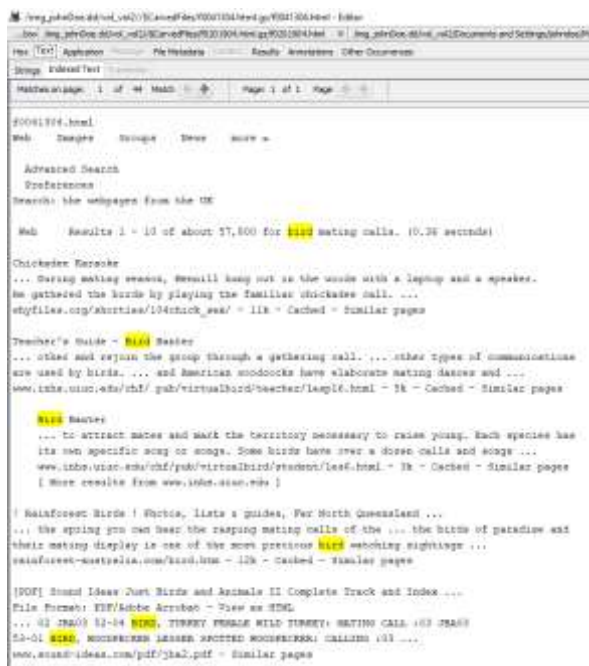


16 - aa010703a.htm located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a.htm created at 2005-02-02 14:25:59 GMT





17 - f0041304.html located at
_johnDoe.dd/vol_vol2//CarvedFiles/f0041304.html.gz/f0041304.html


















18 - f0180344.pdf located at
_johnDoe.dd/vol_vol2//CarvedFiles/f0180344.pdf



2005-01-01 00:00:00 to 2005-02-09 17:10:09 18 Results




Table Thumbnail Save Table as CSV

Icon	Date/Time	Description	Event Type
	2005-01-24 16:32:39	Mozilla Thunderbird (1.0) <1.0 (en) : 1	Installed Programs
	2005-02-02 17:03:27	E:\birds\ron images	Recent Documents
	2005-02-03 12:22:51	E:\birds\audio	Recent Documents
	2005-02-03 14:49:29	E:\birds	Recent Documents
	2005-02-03 14:49:29	E:\birds\folder.jpg	Recent Documents
	2005-02-03 15:04:40	C:\Documents and Settings\johndoe\Desktop\birdtrans2.jpg	Recent Documents
	2005-02-03 15:49:26	C:\birdwatching.doc	Recent Documents
	2005-02-03 15:49:31	C:\birdwatching.doc	Recent Documents
	2005-02-03 15:53:43	E:\birds\ron images\lookout.doc	Recent Documents
	2005-02-03 15:53:46	E:\birds\ron images\lookout.doc	Recent Documents
	2005-02-03 15:53:46	E:\birds\ron images\lookout.doc	Recent Documents
	2005-02-03 15:53:01	E:\birds\ron images\birdguide.pdf	Recent Documents
	2005-02-09 11:08:01	mailingbird@example.com; to: jdoe@example.com; How to Identify Birds / How to Identify Br...	Email
	2005-02-09 11:08:01	bird@example.com; to: jdoe@example.com; expensive birds / A young woman was walking past a...	Email
	2005-02-09 11:28:00	C:\Documents and Settings\johndoe\My Documents\birds.zip	Recent Documents

Appendix F = Audio clips

1- Audio that was searched, and appeared in the web history of John Doe's PC

Table Thumbnail Save Table as CSV

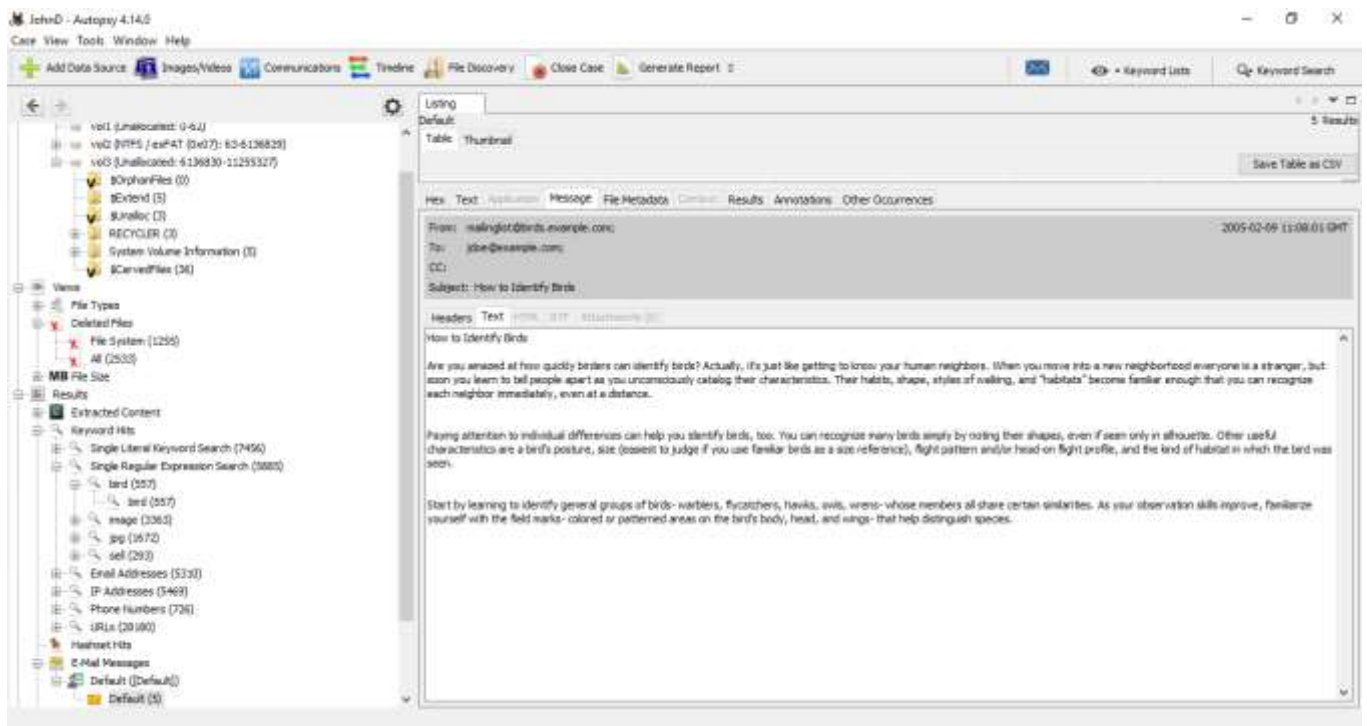
Icon	Date/Time	Description	Event Type
	2005-02-03 12:22:51	file/birds/audio/aggressive_song.wav	Web History
	2005-02-09 11:28:01	file/birds/audio/aggressive_song.wav	Web History
	2005-02-09 11:28:01	file/birds/audio/aggressive_song.wav	Web History

Appendix G = Emails

1- E-Mail Messages Artifact located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jqrt8v.default/Mail/Local Folders/Inbox created at 2005-02-09 11:07:49 GMT

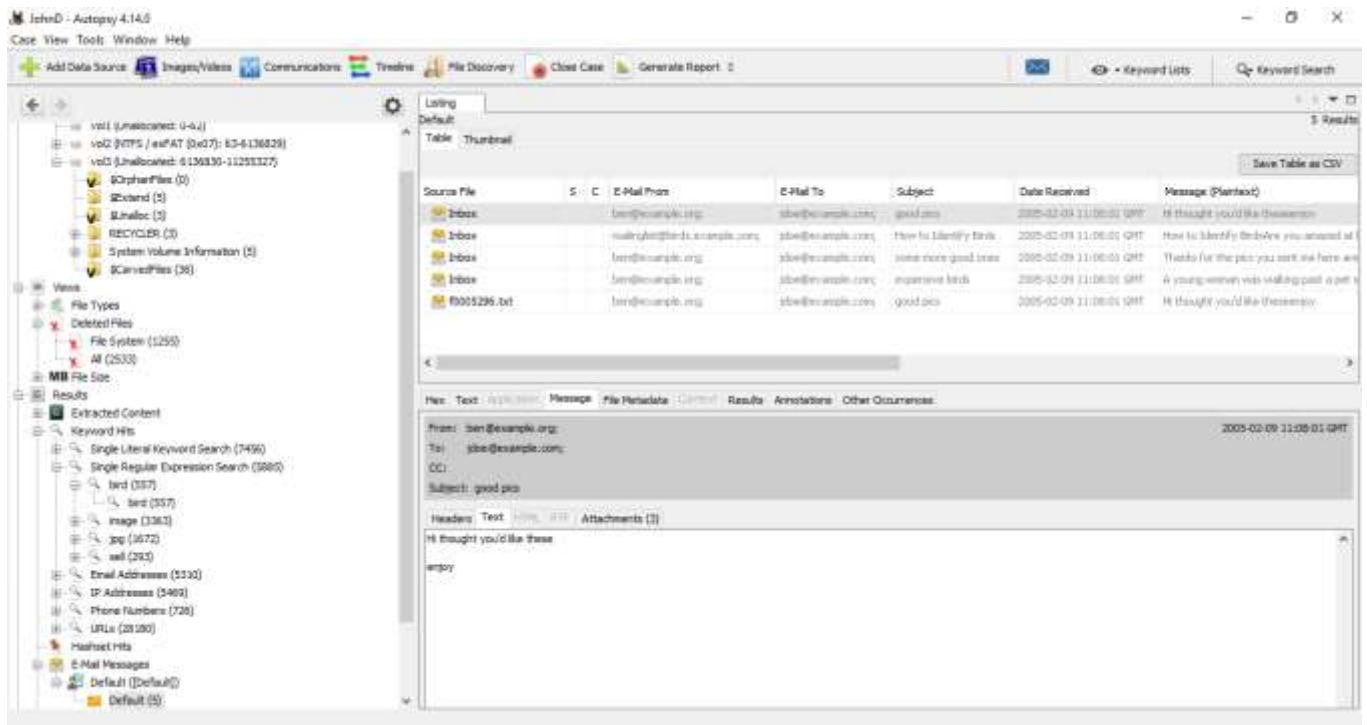


E-Mail from mailinglist@birds.example.com

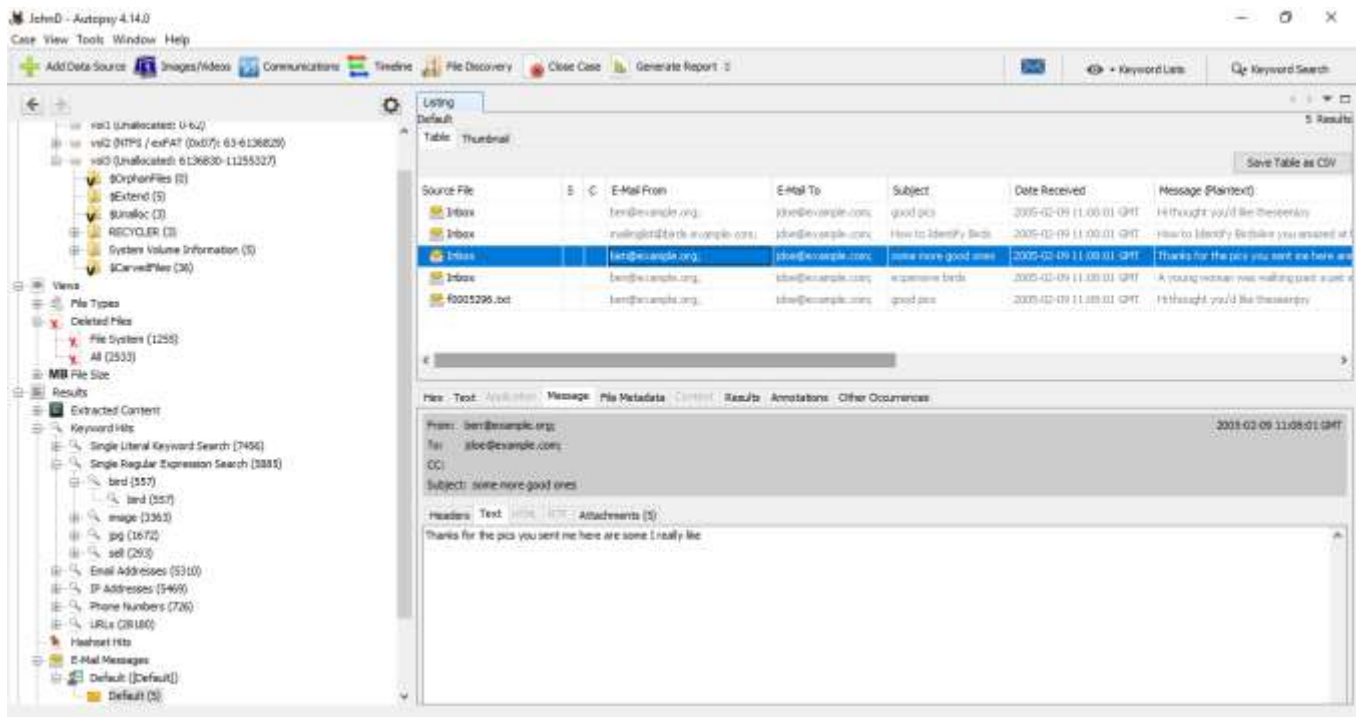


2- E-Mail Messages Artifact located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Thunderbird/Profiles/8jqrt8v.default/Mail/Local Folders/Inbox created at 2005-02-09 11:07:49 GMT

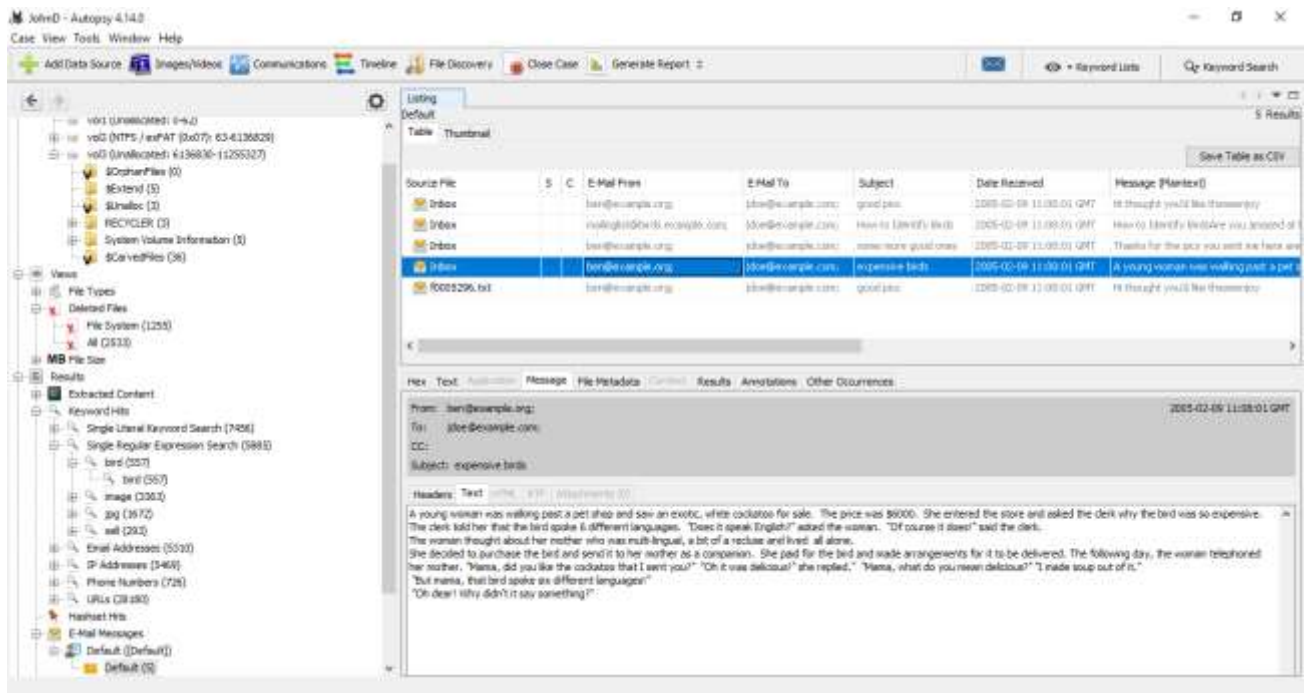




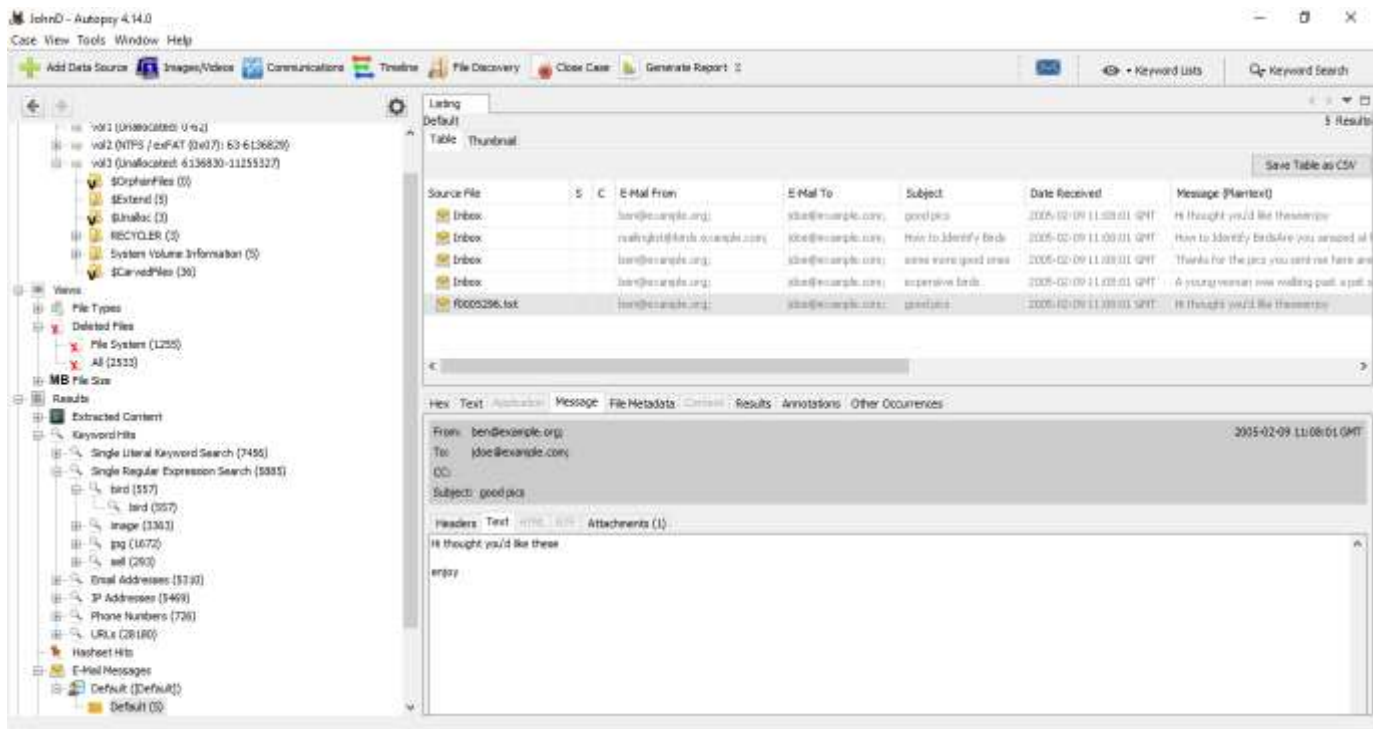
ii. 5 attached bird images



iii. E-Mail between 'Ben' and John Doe



iv. 1 attached image



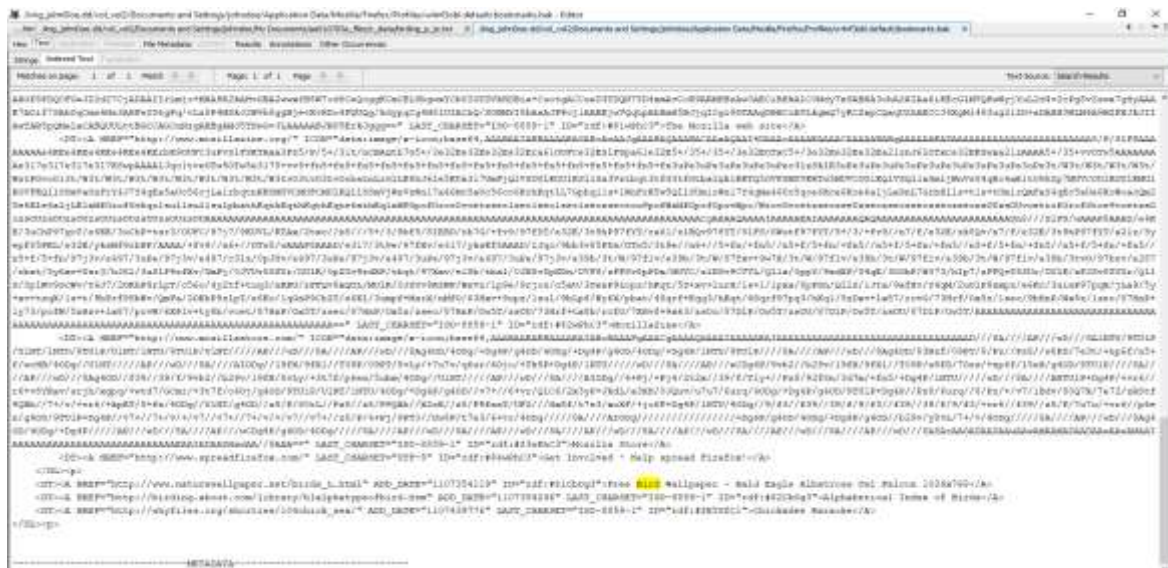
Appendix H = Web browser history

1. Firefox Download history:

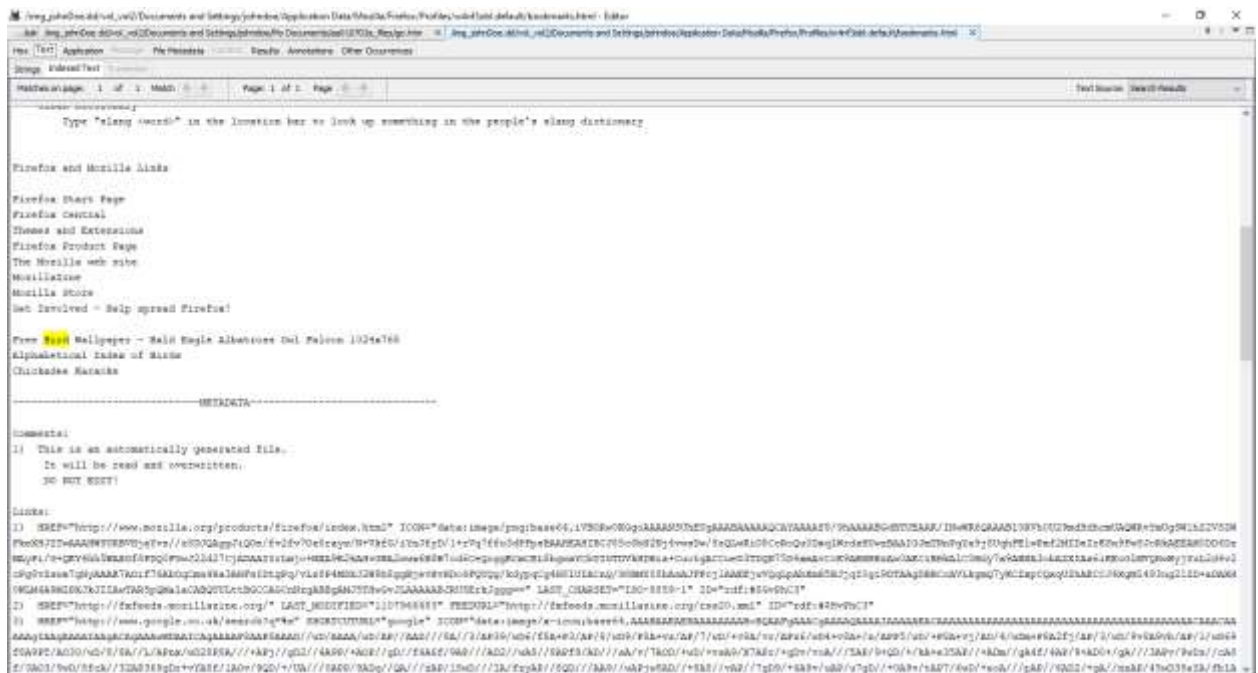
```
<?xml version="1.0"?>
<RDF:RDF xmlns:NC="http://home.netscape.com/NC-rdf#"
  xmlns:RDF="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  <RDF:Description RDF:about="C:\Documents and Settings\johndoe\My Documents\birds.sip"
    NC:Name="birds.sip"
    NC:Transferred="102kB of 102kB">
    <NC:URL RDF:resource="http://www.traveltek.com/downloads/screensavers/birds.sip"/>
    <NC:File RDF:resource="C:\Documents and Settings\johndoe\My Documents\birds.sip"/>
    <NC:DateStarted NC:parseType="Date">Wed Feb 09 11:28:00 GMT Standard Time 2005 +345172</NC:DateStarted>
    <NC:DateEnded NC:parseType="Date">Wed Feb 09 11:28:00 GMT Standard Time 2005 +418272</NC:DateEnded>
    <NC:DownloadState NC:parseType="Integer">1</NC:DownloadState>
    <NC:ProgressPercent NC:parseType="Integer">100</NC:ProgressPercent>
  </RDF:Description>
  <RDF:Description RDF:about="C:\Documents and Settings\johndoe\My Documents\My Pictures\babyscot_2week1.jpg"
    NC:Name="babyscot_2week1.jpg"
    NC:Transferred="33kB of 33kB">
    <NC:URL RDF:resource="http://freepace.virginia.net/cobber.bodgies/images/babyscot_2week1.jpg"/>
    <NC:File RDF:resource="C:\Documents and Settings\johndoe\My Documents\My Pictures\babyscot_2week1.jpg"/>
    <NC:DateStarted NC:parseType="Date">Thu Feb 03 19:00:27 GMT Standard Time 2005 +741242</NC:DateStarted>
    <NC:DateEnded NC:parseType="Date">Thu Feb 03 19:00:27 GMT Standard Time 2005 +811344</NC:DateEnded>
    <NC:DownloadState NC:parseType="Integer">1</NC:DownloadState>
    <NC:ProgressPercent NC:parseType="Integer">100</NC:ProgressPercent>
  </RDF:Description>
  <RDF:Description RDF:about="C:\Documents and Settings\bob\My Documents\My Music\ready2fledge.jpg"
    NC:Name="ready2fledge.jpg"
    NC:Transferred="77kB of 77kB">
    <NC:URL RDF:resource="http://people.cornell.edu/pages/sah67/ready2fledge.jpg"/>
    <NC:File RDF:resource="C:\Documents and Settings\bob\My Documents\My Music\ready2fledge.jpg"/>
    <NC:DateStarted NC:parseType="Date">Thu Feb 03 19:00:42 GMT Standard Time 2005 +375997</NC:DateStarted>
    <NC:DateEnded NC:parseType="Date">Thu Feb 03 19:00:42 GMT Standard Time 2005 +440024</NC:DateEnded>
    <NC:DownloadState NC:parseType="Integer">1</NC:DownloadState>
    <NC:ProgressPercent NC:parseType="Integer">100</NC:ProgressPercent>
  </RDF:Description>
  <RDF:Seq RDF:about="NC:DownloadRoot">
```


Firefox Cookies

00401000 0040100				
---	--	--	--	--

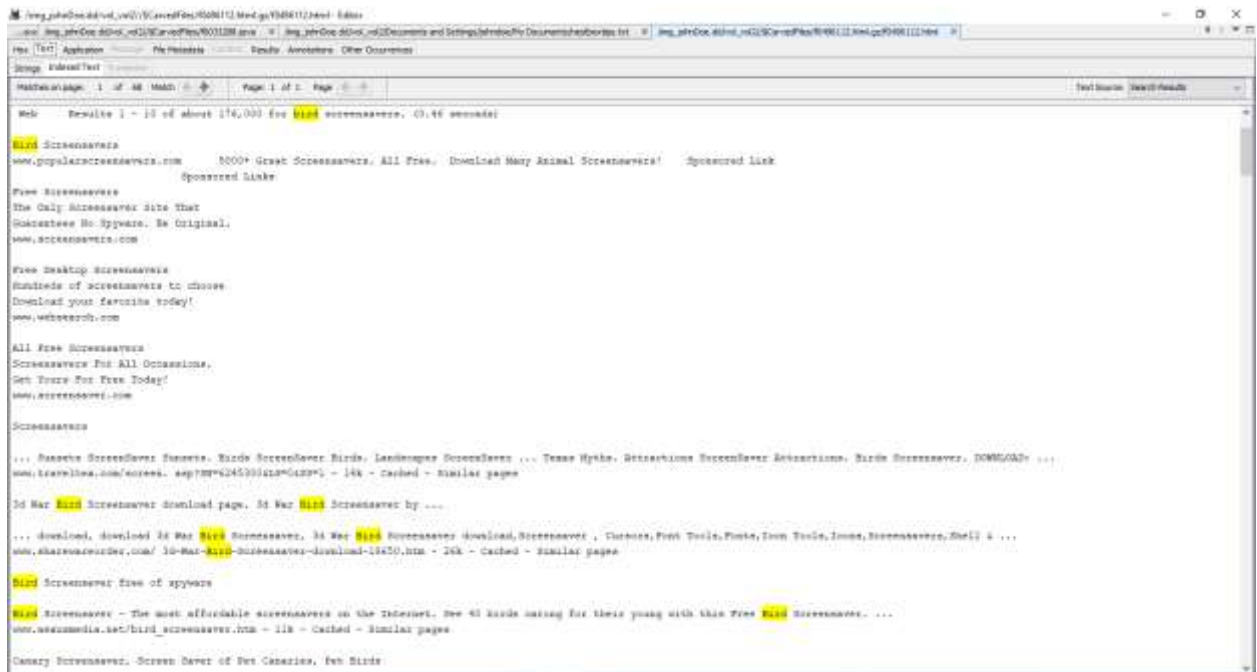


4 - bookmarks.html located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/Application Data/Mozilla/Firefox/Profiles/w4nf3obl.default/bookmarks.html created at 2005-01-24 16:26:45 GMT



5 - ads located at /img_johnDoe.dd/vol_vol2/Documents and Settings/johndoe/My Documents/aa010703a_files/ads created at 2005-02-02 14:26:00 GMT

6 - f0496112.html located at /img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0496112.html.gz/f0496112.html



7 - f0201904.html located at /img_johnDoe.dd/vol_vol2//\$CarvedFiles/f0201904.html.gz/f0201904.html

