

METROPOLITAN BUREAU OF INVESTIGATION

Investigative Report by Agent: William E. Moore

Case Number: MBI-08V-230 Date: 01/28/09

***Notice to Custodian of Records:** Exhibit J contains personal identification information belonging to individuals identified during the course of this criminal investigation. Prior to complying with a Public Records Request, redact all personal identification information from each Telecommunication Carrier's response to Investigative Subpoenas.

On July 22, 2008, Commander Paul Zambouros, with the Metropolitan Bureau of Investigation (MBI), briefed MBI Agent William Moore on a missing child investigation being conducted by the Orange County Sheriff's Office. At the request of Orange County Sheriff's Office Detectives Yuri Melich and Eric Edwards, Commander Zambouros tasked MBI Agent William Moore to conduct toll analysis on the cellular records associated with the cellular phones subscribed to by Casey Anthony and her boyfriend, Anthony Lazzaro. The analysis consisted of identifying the cellular towers that had provided service to the respective cellular phones, and determining information about the movement patterns of the cellular phones.

On July 22, 2008 at approximately 1923 hours, MBI Agent William Moore electronically received six digital files containing records for Casey Anthony's cellular phone, (██████████), and Anthony Lazzaro's cellular phone, (██████████) that had been obtained by Orange County Sheriff's Office Detective Jerold White; See Table 1: Records Received July 22, 2008. See Exhibit A for a list of related records.

Table 1: Records Received July 22, 2008

File Name	Description of File Contents
June Phone Records2455132_ReportCT.txt	Subscriber Information Billed Usage/Voice 06/01/08 – 07/06/08 Billed GPRS/Text 06/01/08 – 07/06/08 Unbilled Usage/Voice 07/07/08 – 07/17/08 Unbilled Usage/Text 07/07/08 – 07/17/08 Calls to Destination 06/01/08 – 07/17/08 Cell Site Locations
July Phone RecordsA1-4.txt	Subscriber Information Billed Usage/Voice 07/01/08 – 07/06/08 Billed GPRS/Text 07/01/08 – 07/06/08 Unbilled Usage/Voice 07/07/08 – 07/17/08 Unbilled GPRS/Text 07/07/08 – 07/17/08
June Phone RecordsA1-4.pdf	Subscriber Information Billed Usage/Voice 06/01/2008-07/06/08 Billed GPRS/Text 06/01/2008-07/06/2008 Unbilled Usage/Voice 07/07/08 – 07/17/08 Unbilled Usage/Text 07/07/08 – 07/17/08 Calls to Destination 06/01/08 – 07/17/08 Cell Site Locations

Table 2: Records Received July 22, 2008 (continued)

Anthony Lazzaro Phone RecordsFILE 457019 COVER.TIF	AT&T Response Cover Sheet
Anthony Lazzaro Phone RecordsFILE 457019 COVER.TIF	AT&T Response Cover Sheet
Anthony Lazzaro Phone Recards2ReportCT_457019.txt	Subscriber Information Billed Usage/Voice 06/01/08 – 7/14/08 Billed GPRS/Text 06/01/08 – 07/14/08 Unbilled Usage/Voice 07/15/08 – 07/19/08 Unbilled GPRS/Text 07/14/08 – 07/28/08 Cell Site Locations

After reviewing the records, MBI Agent William Moore began to plot the physical location of the cellular towers specified in the cellular records as providing service to the cellular phones using Microsoft's *Streets and Trips* and the latitude and longitude for each cellular tower. This process required the importing of coordinates to create a visual depiction of the location of each cellular tower, in the form of maps, in relation to known geographical locations; see Exhibit B.

On July 23, 2008, MBI Agent George Duke and MBI Agent William Moore met with Casey Anthony's boyfriend, Anthony Lazzaro, at the Orange County Sheriff's Office Criminal Investigative Division conference room. Anthony Lazzaro arrived at the Orange County Sheriff's Office voluntarily. MBI Agent William Moore informed Anthony Lazzaro that the Metropolitan Bureau of Investigation was assisting the Orange County Sheriff's Office with electronic surveillance and requested the consensual monitoring of his [Anthony Lazzaro's] personal cellular phone in accordance with Chapter 934 of Florida State Statutes. Anthony Lazzaro agreed to the consensual monitoring of his cellular phone and signed a Consensual Monitoring of Wireless Telephone by Law Enforcement and a Consent & Acknowledgement form.

The consensual monitoring commenced on July 23, 2008. The consensual monitoring was scheduled to terminate on August 22, 2008 at 2345 hours. On August 21, 2008, MBI Agent George Duke and MBI Agent William Moore met with Anthony Lazzaro to extend the consensual monitoring on his cellular phone. Anthony Lazzaro voluntarily signed a Consensual Monitoring of Wireless Telephone by Law Enforcement and a Consent & Acknowledgement form. After consulting with Detective Melich, the consensual monitoring of Anthony Lazzaro's cellular phone ended on September 12, 2008. See Exhibit C for documents related to the consensual monitoring.

On July 24, 2008, at approximately 1138 hours, Detective Yuri Melich identified several telephone numbers of interest; (██████████), (██████████), and (██████████). MBI Agent William Moore utilized databases available to the public, law enforcement, and the address book entries in Casey Anthony's cellular phone to determine the possible users associated with the respective telephone numbers of interest. MBI Agent William Moore informed Detective Melich of the results on July 24, 2008 at approximately 1249 hours.

The results of this research determined the following:

- ██████████ was associated with Ryan Michael Pasley, ██████████ and was labeled as "BEST FRIEND" in Casey Anthony's cellular phone address book

- [REDACTED] was associated with Christopher Stutz, [REDACTED], and was labeled as "CHRISTOPHER" in Casey Anthony's cellular phone address book
- [REDACTED] was associated with Daniel Davis and was not in Casey Anthony's cellular phone address book
- [REDACTED] was associated with Anthony Lazzaro and was not in Casey Anthony's cellular phone address book

On July 24, 2008, at approximately 1404 hours, MBI Agent William Moore electronically received one file, "SMSMessages.htm," that had been obtained by Orange County Sheriff's Office Detective Sandra Cawn containing text messages extracted from Amy Huizenga's cellular phone. MBI Agent William Moore reviewed the file and noted several text messages of interest originating from Casey Anthony's cellular phone ([REDACTED]) as referenced in **Table 2: Text Messages of Interest**. Based upon MBI Agent William Moore's fifteen years of law enforcement training and experience, the text message referring to "part of a dead animal" on the "frame" of Casey Anthony's vehicle was suspicious and was believed to possibly be a pre-emptive explanation to the foul smell of decomposing tissue. The complete listing of text messages as presented to MBI Agent William Moore in the file "SMSMessages.htm" can be found in **Exhibit D**, but eight messages of interest are set out below in **Table 2**.

Table 3: Text Messages of Interest

#	Number	Name	Date & Time	Status	Folder	Storage	Type	Text
823	[REDACTED]	N/A	06/26/08 01:41:16 PM (GMT-4)	Read	Inbox		Incoming	I need a freaking vacation
872	[REDACTED]	N/A	06/27/08 11:24:18 PM (GMT-4)	Read	Inbox		Incoming	No worries. Ill call you in the morning
866	[REDACTED]	N/A	06/27/08 11:34:47 AM (GMT-4)	Read	Inbox		Incoming	There was definitely part of a dead animal plastered to the frame of my car
868	[REDACTED]	N/A	06/27/08 11:49:54 AM (GMT-4)	Read	Inbox		Incoming	My car ran out of gas again
869	14-000000200	N/A	06/27/08 11:58:20 AM (GMT-4)	Read	Inbox		Incoming	Two weeks in a row..on friday..my stupid car runs out of gas. Wow.

Table 4: Text Messages of Interest (continued)

867	1-██████████	N/A	06/28/08 08:37:17 AM (GMT-4)	Read	Inbox		Incoming	Call me after you get up and what not
889	1-██████████	N/A	06/29/08 02:46:49 PM (GMT-4)	Read	Inbox		Incoming	I wasn't sure if it was already done. Have it sent to the house. I have a lot of details to fill you in on. Ill call you later on
884	1-██████████	N/A	06/29/08 10:25:20 AM (GMT-4)	Read	Inbox		Incoming	Can i borrow you and your gas can today?

On July 24, 2008, MBI Agent William Moore made contact with Lisa Likely, a supervisor at the AT&T National Compliance Center, to request Casey Anthony's cellular records pursuant to a subpoena previously served on AT&T for records in spreadsheet form rather than in plain text. MBI Agent William Moore received Casey Anthony's cellular records for the period of 06/01/08 through 07/17/08 at approximately 2002 hours in spreadsheet form with a file name of "A1.XLS", which included fields for data relating to Date/Time, Record type, Calling, Called, IMEI, IMSI, Duration, LAC_CID, LAT, LNG, and E164; see **Exhibit E**. This spreadsheet included both originating (outgoing) and terminating (incoming) cellular phone calls and text messages. After reviewing the records initially provided by AT&T in plain text (.txt); **Exhibit A**, to the calls and text messages in the spreadsheet (.xls); **Exhibit E**, MBI Agent William Moore noticed discrepancies in the reports. These discrepancies included the duplicate entries in some cases or an entry existed on one report and not on the other. MBI Agent William Moore made contact with AT&T Supervisor Lisa Likely by telephone and inquired about the discrepancies. MBI Agent William Moore learned that in order for AT&T representatives to provide all possible data, reports must run on the billing network and the respective switch; each report provides a different format (.txt or .xls). AT&T Supervisor Lisa Likely said that AT&T did not currently have a method for compiling data from the two systems into one complete report.

The frequency of originating and terminating cellular telephone calls and text messages associated with Casey Anthony's cellular phone provided an abundant amount of data concerning which cellular towers were providing service to Casey Anthony's cellular phone at a particular time. MBI Agent William Moore, having already plotted the cellular towers by coordinates, looked at each originating and terminating entry in conjunction with each entry's cellular tower sector information.

MBI Agent William Moore was aware that AT&T's cellular towers were generally oriented to the north and sectors for AT&T service range from 0-120°, 120-240°, and 240-360°. In order to determine the sector of service for a particular entry, it was necessary to look at the last digit of the CID (Cell ID). The last digits of 1, 4, 7 represent the general area of 0-120°, digits 2, 5, 8 represent the general area of 120-240°, and

digits 3, 6, 9 represent the general area of 240-360°. Further, MBI Agent William Moore was aware that AT&T cellular towers served a three to five mile radius, which was determined by the market area and density. Due to the number of AT&T cellular towers in east Orlando, a three mile radius was generally used as a "service radius" for each cellular tower while determining movement patterns. MBI Agent William Moore was able to determine the general movement patterns for Casey Anthony as annotated in Exhibit F using the historical data provided by AT&T for Casey Anthony's cellular phone and the maps generated by each cellular tower's coordinates. The movement pattern, in some instances, could be isolated further by analyzing which sector of the cellular tower Casey Anthony's cellular phone was utilizing for service. MBI Agent William Moore also color-coded each entry (cellular call or text message) corresponding to the unique cellular tower identifier (LAC & CID); see Exhibit G. This allowed MBI Agent William Moore to discern movement patterns based on which cellular tower was providing service to Casey Anthony's cellular phone at a particular time, compared to the previous tower's geographic location as depicted visually by color.

On July 29, 2008, while cross-referencing the originating and terminating cellular records for Casey Anthony's cellular phone, (██████████), with known listings, MBI Agent William Moore discovered that on June 27, 2008 at 20:32:41 hours there was a call made to Bank of America Weather at ██████████, which provided current and forecast weather information. The cellular records also indicated that the next outgoing call was placed to ██████████ at 20:33:39 hours, a number that was later found to be associated to Ryan A. Palmer at ██████████ Cardinal Road, Orlando, Florida. An analysis of the calls placed from 1427 hours and 1551 hours revealed a common area (overlapping sectors from two cellular towers) that was bordered by Glenridge Way to the north, Bennet Road to the east, Winter Park Road to the west, and Colonial Drive to the south. The residence address on file with the State of Florida Department of Highway Safety & Motor Vehicles for Ryan A. Palmer was within that defined area of overlapping sectors. This information was provided to Detective Yuri Melich and Detective William Edwards during a meeting on July 31, 2008 for further investigation. See Exhibit F.

On July 29, 2008, MBI Agent William Moore provided Orange County Sheriff's Office Detective Yuri Melich with maps depicting "Areas of Interest." The areas were identified as such based upon the duration of cellular activity occurring within a sector of a particular cellular tower and travel patterns seemingly outside the norm. The areas of interest were as follows:

- On June 17, 2008, Casey Anthony's cellular phone registered with cellular tower 27202-22281 at 1636HRS, located in the Rouse Road and University Boulevard area, and then with cellular tower 27202-20951 at 1720 and 1723 hours, located at E. Colonial Drive and Culver Road (Downey Park area), indicating movement to the west from cellular tower 27202-22281. Prior to registering with cellular tower 27202-22281 the cellular phone registered with the cellular tower near the parent's residence at 1605HRS indicating a commute time of

approximately 30 minutes. The two cellular towers of interest, 27202-22281 (28.59049, -81.21226) and 27202-20951 (28.57056, -81.23639), were 140' in height with a beam @ 90 degrees and orientation of 120 degrees and 195' in height with a beam @ 30 degrees and an orientation of 270 degrees respectively. In addition, it was noted that the cellular phone was in the area of the parent's residence when communication was idle for about one hour (from 1449 hours until 1547 hours) when movement begins and then subsides at 2023 hours near Anthony Lazzaro's apartment. The significance of that activity was unknown. See Exhibit F and Exhibit H.

On July 30, 2008, Orange County Sheriff's Office Detective Jerold White provided the initial set of cellular records for Casey Anthony's cellular phone. Detective Jerold White received the records in spreadsheet format from AT&T at the onset of the investigation. The records were for the period of June 21, 2008 through July 21, 2008. The file name for the spreadsheet was also A1.XLS; an apparent default filename when AT&T initiates a report. In order to eliminate confusion, the A1.XLS files received by MBI Agent William Moore on July 24, 2008 and Detective by Jerold White at the onset of the investigation were renamed locally as follows:

- "A1.XLS_as provided by ATT_range_060108thru071708.xls."
- "A1.XLS_as_provided_by_ATT_range_062108thru072108.xls."

On July 31, 2008, MBI Agent William Moore continued the analysis between Casey Anthony's cellular phone, (██████████), and the corresponding cellular towers that provided service to that cellular phone. Specifically, Orange County Sheriff's Office Detective Yuri Melich requested the period of June 14, 2008 through June 24, 2008 to be a priority in the analysis.

On August 1, 2008, MBI Agent William Moore sent a request to AT&T National Compliance Center Supervisor Lisa Likely for assistance in order to arrange to meet and consult with AT&T Radio Frequency and Equipment Engineers, in person, regarding AT&T cellular tower configurations. AT&T National Compliance Center Supervisor Lisa Likely told MBI Agent William Moore that, while engineers were in Orlando, a face-to-face meeting would not be possible due to engineers being unavailable for an extended period to discuss this case. However, AT&T National Compliance Center Supervisor Lisa Likely did coordinate a conference call with an unknown engineer. MBI Agent William Moore attempted to clarify the signal strength of particular towers in order to isolate service areas in a particular sector in order to reduce or expand a sector's boundaries. MBI Agent William Moore was then told that was a variable for each tower and AT&T would not be willing to allocate resources during an active investigation because it could be precedent setting for other law enforcement agencies and the information provided thus far was compliant with the existing legal process. Further, AT&T National Compliance Center Supervisor Lisa Likely told MBI Agent William Moore that the State Attorney's Office could request such assistance from their designated Engineers should this case reach the prosecution phase.

On August 8, 2008, MBI Agent William Moore provided additional maps of "Areas of Interest" based on the cellular activity on Casey Anthony's cellular phone. The maps were produced based on cellular data, cellular tower location, and the sector serving the cellular phone at the time the cellular phone communicated with the cellular tower; see Exhibit H for "Areas of Interest" Maps. The explanation of each "Area of Interest" follows:

- On June 16, 2008, the day after Father's Day, cellular activity for Casey Anthony's cellular phone was in the area of her parent's residence located at 4937 Hopespring Drive, Orlando, Florida until approximately 1614 hours. The cellular activity indicated movement to the north at 1618 hours, to the west starting at 1625 hours, and to the northwest at 1757 hours. The cellular activity remained in this area (Semoran Boulevard and Aloma Avenue) until June 17, 2008 at 1418 hours (overnight). See Exhibit E, Exhibit F, and Exhibit H collectively for related details.
- On June 17, 2008, the cellular activity for Casey Anthony's cellular phone indicated movement to the south at approximately 1418 hours from the area of Semoran Boulevard and Aloma Avenue. The cellular activity remained in the area of her parent's residence located at 4937 Hopespring Drive, Orlando, Florida until approximately 1445 hours and briefly entered an area near Lee Vista Blvd and T.P.C. Drive to the west. The cellular activity then moved northeast at 1636 hours and remained active in the area bordered by Alafaya Trail, Research Parkway, and E. Colonial Drive until 1720 hours. The cellular activity then moved west and remained in the area near Anthony Lazzaro's apartment, located at [REDACTED] Sutton Place, Orlando, Florida, until 0031 hours on June 18, 2008. See Exhibit E, Exhibit F, and Exhibit H collectively for related details.
- On June 19, 2008, the cellular activity for Casey Anthony's cellular phone indicated movement to the east at approximately 1427 hours from the area of Anthony Lazzaro's apartment, located at [REDACTED] Sutton Place, Orlando, Florida. The cellular activity remained in the area bordered by Vincent Road, East Colonial Drive, Rouse Road, and Damsite Road until 1507 hours. This area of interest contained Blanchard Park to the northwest, Little Econlockhatchee Park to the north, and Downey Park to the southwest. The cellular activity was then present to the west approximately 13 minutes later in the area of E. Colonial Drive and Forsyth Road and then moved to the northwest to the area of Semoran Boulevard and Aloma Avenue at approximately 1623 hours. The cellular activity remained in the area until 1654 hours. The cellular activity is then present back to the east approximately 45 minutes later at 1745 hours in the area bordered by Alafaya Trail, Research Parkway, and Avalon Park Boulevard (Waterford Lakes

Area). The cellular activity remained in this area until approximately 2102 hours. The cellular activity remained in the area of Anthony Lazzaro's apartment located at [REDACTED] Sutton Place, Orlando, Florida until 1304 hours on June 20, 2008 (overnight). See Exhibit E, Exhibit F, and Exhibit H collectively for related details.

On August 14, 2008, MBI Agent William Moore provided Orange County Sheriff's Office Detective Yuri Melich with a spreadsheet of originating and terminating records for June 15, 2008 and July 15, 2008. The spreadsheet demonstrated, both by number and by identified party associated with a particular number, that no calls were made or received from a telephone number subscribed to a "Zenaida Gonzalez." See Exhibit I for details.

On July 31, 2008, MBI Agent William Moore requested cellular records and subscriber information from AT&T for cellular phone number [REDACTED] pursuant to an Investigative Subpoena. On August 15, 2008, MBI Agent William Moore requested cellular records and subscriber information from the following cellular carriers pursuant to an Investigative Subpoena; see Exhibit J for the following subpoenas:

- T-Mobile for cellular phone number [REDACTED]
- T-Mobile for cellular phone number [REDACTED]
- Sprint/Nextel for cellular phone number [REDACTED]
- Sprint/Nextel for cellular phone number [REDACTED]
- Verizon Wireless for cellular phone number [REDACTED]
- Verizon Wireless for cellular phone number [REDACTED]
- AT&T (Wireless) for cellular phone number [REDACTED]
- AT&T (Wireless) for cellular phone number [REDACTED]

The subpoenas issued to T-Mobile for records on cellular phone number [REDACTED] and [REDACTED] were not researched because it was determined they had been subpoenaed by the Orange County Sheriff's Office on an earlier date and delivered to that law enforcement agency.

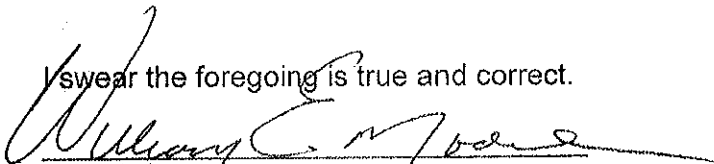
On August 21, 2008, Orange County Sheriff's Office Detective Yuri Melich presented MBI Agent William Moore with an Order Authorizing the Installation and Use of a Pen Register and Trap and Trace Device on several subject telephones. The Order Authorizing the Installation and Use of a Pen Register and Trap and Trace Device, the Application and Affidavit for the Order, together with Exhibit "A," were ordered sealed and kept by Orange County Sheriff's Office Detective Yuri Melich. The Pen Registers determined no information of evidentiary value. See Exhibit K.

On September 3, 2008, Orange County Sheriff's Office Detective Yuri Melich requested that MBI Agent William Moore provide Special Agent Michael Bunk, with the Federal Bureau of Investigation (F.B.I.), with the results of the cellular activity analysis up to September 3, 2008. Detective Yuri Melich said that the F.B.I. would be assuming the role of isolating movement patterns in order to assist in directing Texas EquuSearch

and other law enforcement search parties to areas needing to be searched for evidence.

The statements made by Anthony Lazzaro were compared to cellular activity associated with his cellular phone and found to be consistent with his statements.

I swear the foregoing is true and correct.



Agent William E. Moore
Metropolitan Bureau of Investigation
250 North Orange Avenue
Orlando, Florida

SWORN to and SUBSCRIBED before me this 27th day of February, 2009



(Notary Public or LEO)