# DIGITAL EVIDENCE: FROM A TWINKLE IN YOUR EYE TO THE END OF A TRIAL

### NOW THAT YOU'VE GOT IT AND CAN READ IT, WHAT CAN YOU DO WITH IT?

## Part II

## TOPIC 4

#### YOU NEED TO KNOW HOW TO ANALYZE THE DATA

## In a criminal case, 5 entities will potentially analyze the data

- > FORENSIC EXAMINER
- > INVESTIGATOR OR DETECTIVE
- > CRIME ANALYST
- **EXPERT**
- > PROSECUTOR OR DEFENSE ATTORNEY

## you need to know what you're looking for

- WHAT IS IN THE RECORDS THAT YOU HOPE TO CAPTURE?
  - Is it location?
  - Is it communications?
  - Is it financial transactions?
  - Is it social media or other internet accounts?
  - Is it photographs or videos?

The source of the information and the investigative question will help narrow the focus of the search in large amounts of data.

## How to analyze the data is dependent on the source you are working with.

- **\* CELL PHONE**
- \* COMPUTER/ TABLET/ EXTERNAL MEDIA STORAGE
- \* CALL DETAIL RECORDS
- \* OTHER LOCATION INFORMATION
- \* SOCIAL MEDIA RECORDS
- \* OTHER BUSINESS RECORDS (BANK, TRAVEL, ETC.)

#### CONSIDER MULTIPLE DATA SOURCES

Similar information may be available in multiple sources.

- Location information can be found in Call Detail Records, the Phone Extraction, and other internet information (social media).
- Social Media Messages can be found on the device and in a search warrant return.
- Photographs and remnants of photographs may be found on a device, in a cloud return, and/or on an external drive or computer.

## What tools do you have to analyze the data?

- Many companies provide a variety of tools to help analyze the data.
- In some cases, the data needs to be re-formatted.
  - Specialized software exists to assist with this.

- Common Challenges
  - Date/TimeFormatting
  - Records provided in PDF
  - Records provided in formats not natively read by Windows software

## BEST WAYS TO VIEW AND ANALYZE THE DATA

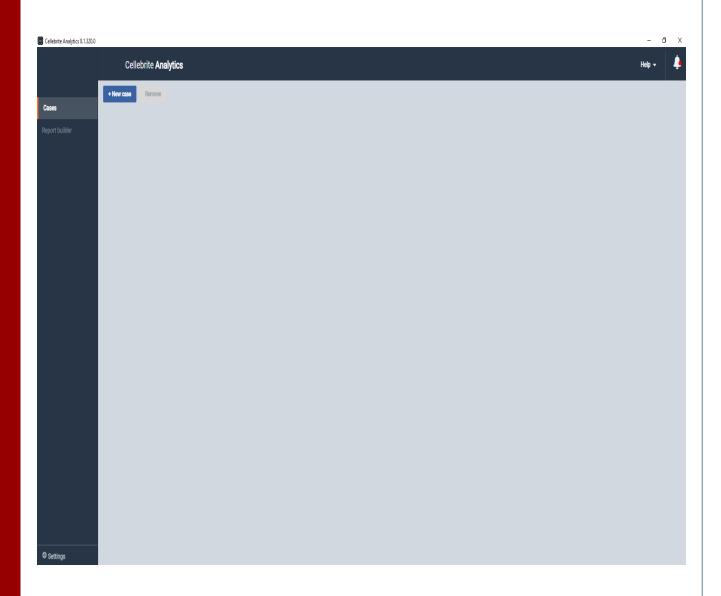
## WHAT CAN YOU DO TO GET THE MOST OUT OF THE DATA IN FRONT OF YOU?

- As I work through a case, I am constantly adding new relevant information into a variety of timelines.
- Work with investigators, attorneys and crime analysts to build a picture.

#### COMBINING AND CHARTING DATA CAN HIGHLIGHT NEW INFORMATION

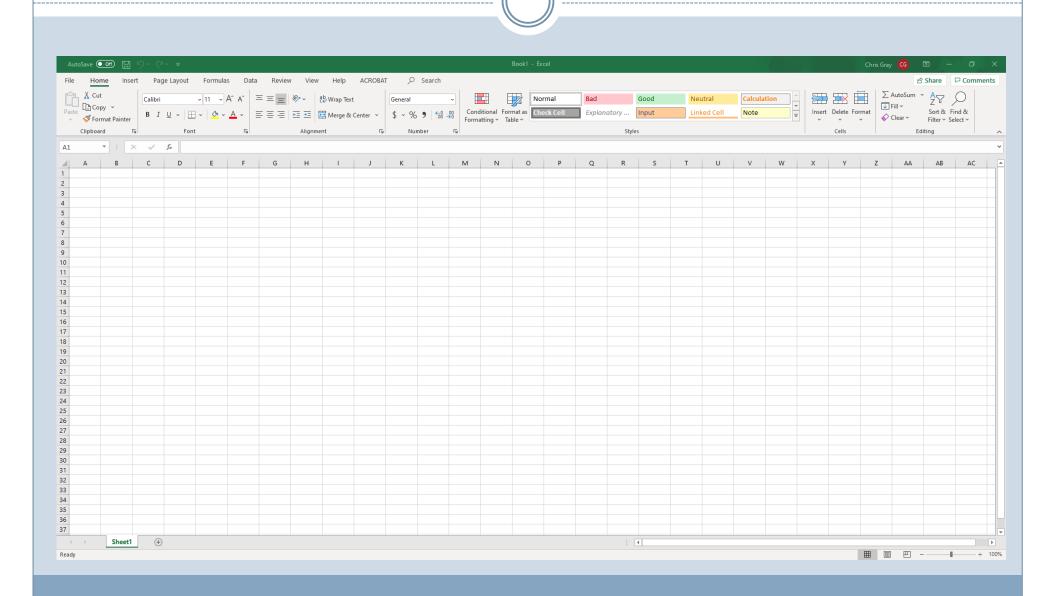
- Can reveal previously unknown connections
- Can uncover additional witnesses and/or suspects
- Prove or disprove a party's knowledge of another person

## CELLPHONE INGESTION TOOL



#### GOOD OL' TRUSTY TOOL





## EXAMPLE OF USE OF LAW ENFORCEMENT RECORDS TO IDENTIFY ROBBERY SUSPECTS IN DENVER

## EXAMPLE USING SOCIAL MEDIA AS FOLLOW-UP TO DATA ANALYSIS

## COMBINING MULTIPLE SOURCES OF DATA INTO ONE PACKAGE

## CONSIDER REPROCESSING THE DEVICE/RAW DATA IF UPDATES TO YOUR FORENSIC TOOL MAKE ADDITIONAL DATA RETRIEVAL LIKELY

- > UPDATES TO FORENSIC SOFTWARE CAN SHOW NEW DATA THAT WAS NOT READABLE IN THE FIRST EXTRACTION.
- > ADDITIONAL DATABASES MAY BECOME AVAILABLE.

## Does your data tell a story?

- DATA DOES NOT LIE, BUT IT CAN BE MISINTERPRETED.
- DOES THE DATA CONFIRM OR CONTRAVENE YOUR THEORY OF EVENTS?
- NOW THAT WE KNOW THE STORY, HOW CAN WE EFFECTIVELY CONVEY IT TO A JURY?

## TOPIC 5

## YOU NEED TO KNOW HOW TO PRESENT IT EFFECTIVELY AT TRIAL

## TRADITIONAL VISUAL EXHIBITS

- Surveillance video
- 911 and jail calls
- Crime scene photos
- Interrogations and interviews

## OTHER FORMS OF VISUAL EVIDENCE TO CONSIDER

- Social media images and posts
- Text messages and emails
- Location based exhibits and simulations

#### RELEVANT & ADMISSIBLE

- Evidence must be relevant to the issues in the case. Rule
   401
- Evidence can be excluded, even if relevant, if its probable value is substantial outweighed by undue prejudice. Rule 403
- Consequently, exhibits depicting evidence must be admissible and based on evidence that will be or has been properly admitted at trial.



#### AUTHENTICATION

- Authentication of evidence: IT IS WHAT WE ARE SAYING IT IS
- Methods of authentication:
  - Defendant's admissions, either direct or indirect, made through statements relating to the evidence
  - Witness can testify that
    - ➤ He or she had communicated with the defendant in the past at this number or email address
    - The defendant told the witness to contact him or her at the number or email address
    - \* The witness knows that the number or email belongs only to the defendant

#### OTHER METHODS OF AUTHENTICATION



- Authentication by reply a witness who sent a message to a known address can testify to getting a reply from the defendant where:
  - **▼** the reply relates to the communication sent
  - ▼ the circumstances show that the reply came from the address of the email, SMS, or MMS message
- Authentication by circumstance:
  - × unique details of the message that relate to the defendant that only he or she would know
  - ▼ dates, times and events referred to in the message are corroborated
  - \* the use of monikers or nicknames
  - conduct of the parties is consistent with the message (either before or after)
- Any other evidence that shows it was the defendant using the device or accessing a website or app at that time – INCLUDING OTHER DATA SOURCES

#### HEARSAY

Hearsay responses and exceptions most likely to be applicable:

- Not hearsay because not offered for truth
- 801(a)(1) not an "oral or written assertion"
- 801(a)(2) not a statement made by a declarant
- 801(d)(2)(D) Admission by Party-Opponent
- 801(d)(2)(E) Admission by co-conspirator
- 803(1) Present Sense Impression
- 803(2) Excited Utterance
- 803 (3) State of Mind
- 803 (6) Business Records

## EXAMPLES OF VISUAL EXHIBITS THAT CAN ENHANCE YOUR TRIAL PRESENTATION

- Social media data
- · SMS, MMS, or email communications
- Location data, enhanced with cell mapping and other techniques
- Cellphone records
- Internet search history
- Incriminating jail calls

## SOCIAL MEDIA- POSTS, PIX, AND OTHER STUPID THINGS PEOPLE DO

DEFENSE:
"NO, I'M NOT A
PIMP. WHAT
WOULD MAKE
YOU THINK
THAT?"

## Case Study #1

#### 1. RECORDS ANALYZED

PHONE NUMBER XXX-XXX-7857 VERIZON PHONE

- □ ALULTE THERE ARE 1260 RECORDS OF WHICH 16 WERE ANALYZED.
- □ VOLTE (VOICE OVER LTE) CALL DETAIL RECORDS THERE ARE 55 RECORDS OF WHICH 3 RECORDS ARE INCLUDED IN THE ANALYSIS.
- 2. RECORDS ANALYZED
- GPS DATA
  - □ September 18, 2018 from 7:30 PM thru 8:30 PM − 85 Records
  - □ September 29, 2018 from 8:30 PM thru 9:16 PM − 46 Records
  - □ October 11, 2018 from 8:00 PM thru 10:00 PM − 121 Records
  - □ October 18, 2018 from 9:00 PM thru 10:30 PM − 91 Records

ALL DATA CONNECTED TO BETWEEN 4 AND 12 SATELLITES.

### Verizon VoLTE Explanation Form

verizo	on√			VOLTE Ca	II Detail w/ Cell	Sites E	xplanatio	n Form							
VERIZON SECURITY ASS 180 Washington Valley Rd   Phone: 800-451-5242   888-	Bedminster, NJ 07921														
Record Open Date/Time	Record Open Dt/Tm(GMT)	SID	NID	Cell ID	Cell Face	Market ID	ENB#	DIR	MSISDN	Called #	CPN	SOU	RAT	VICE / Endpoints	VZWNE (Network Extender) / V4B
Start Time of the call (local time). Note that calls involving forwarding or voicemail will reflect in GMT.	Start Time of the call (GMT)	Serving System ID	Switch Number (MSCID)	off of when the call initiated.	This is the cell site sector of the initiated call. This information denotes the direction the target was facing the tower at the time of this call. Each cell face is approximately 120 degrees. Check cell site key for each sector's Azimuth.	Number	6 Digit Cell Site Number (First 3 Digits = Market ID Number, Last 3 = Tower Number)	MO = Outbound Call MT = Incoming Call MF = Voicemail or Mobile Forwarded Cal	This is your target #	This is the number dialed to initiate the call. For inbound calls this number will be the same as the Mobile Directory Number (MSISDN) column and for outbound calls this is the number your target dialed.	This is the calling party that initiated the call. If the call is outbound this column will be the same as the Mobile Directory Number (MSISON). If the call is inbound, this is the number that dialed your target.	Call Duration in Seconds (Seconds of Use)	Radio Access Terminal (1x = 3g Voice, LTE = 4g Voice, Wifi = 4g Voice over Wifi)	VoLTE Internet Connected Endpoints Indicator.	Indicates if the ca processed through network extende device or is using t Verizon for Busine service.
	Cell Face (Sector) Breakdown			*86 is voicemail	retrieval										
	1 = Sector "D1" (Alpha)			#225 is checking	account balance										
	12 = Sector "D1" (Alpha)			#646 is checking	minutes										
	2 = Sector "D2" (Beta)			#777 is data/we	b services										
	22 = Sector "D2" (Beta)			#738 is prepaid	voicemail retrieval										
	3 = Sector "D3" (Gamma)				ninutes for prepaid										
	32 = Sector "D3" (Gamma)			*67 Activates Se	lective Caller ID Block										
				*82 Deactivates	Selective Caller ID Blo	cking									

#### Verizon Subscriber and VoLTE Files



Searched-Value	Account Number	Last Name	First Name	Middle Name	<b>Business Name</b>	Addr Line1	Addr Line2	Addr Line3	City	State	Zip Code
8433377857	613168101-1	STEEN	DONNA			954 J VANN ANDERSON RD			PAGELAND	SC	297287192

	i .				i	i	-		i	i	i	ı			i	ı <u>.</u> ı
Record Open Date/Time	Record Open Dt/Tm(GMT)	SID	NID	Cell ID	Cell Face	Market	ID (	eNB ID	Dir	MSISDN	Called #	CPN		_	ENDPOINT	VZWNE/V4B
2018/10/18 01:00:11(GMT +0)	10/18/2018 1:00:11	_	-	_	N/A	N/A	-	•	MT	8433377857	18433377857	19043271530		N/A		N/A
2018/10/18 01:00:11(GMT +0)	10/18/2018 1:00:11	N/A	N/A	N/A	N/A	N/A		N/A	MF	8433377857	18433377857	19043271530	7	N/A	N/A	N/A
2018/10/18 01:00:51(GMT +0)	10/18/2018 1:00:51	N/A	N/A	N/A	N/A	N/A		N/A	MT	8433377857	18433377857	19043271530	4	N/A	N/A	N/A
2018/10/18 01:00:51(GMT +0)	10/18/2018 1:00:51	N/A	N/A	N/A	N/A	N/A		N/A	MF	8433377857	18433377857	19043271530	4	N/A	N/A	N/A
2018/10/18 17:08:35(GMT -6)	10/18/2018 23:08:35	N/A	N/A	N/A	2		14	14436	МО	8433377857	9139092376	18433377857	15	LTE	N/A	N/A
2018/10/18 17:11:56(GMT -6)	10/18/2018 23:11:56	N/A	N/A	N/A	24		14	14436	MT	8433377857	18433377857	19139092376	124	LTE	N/A	N/A
2018/10/18 17:19:01(GMT -6)	10/18/2018 23:19:01	N/A	N/A	N/A	34		14	14444	МО	8433377857	19043271530	18433377857	19	LTE	N/A	N/A
2018/10/18 17:22:42(GMT -6)	10/18/2018 23:22:42	N/A	N/A	N/A	12		14	14444	MT	8433377857	18433377857	14017490810	22	LTE	N/A	N/A
2018/10/18 17:46:47(GMT -6)	10/18/2018 23:46:47	N/A	N/A	N/A	26		14	14105	MT	8433377857	18433377857	19139092376	89	LTE	N/A	N/A
2018/10/18 17:49:06(GMT -6)	10/18/2018 23:49:06	N/A	N/A	N/A	16		14	14105	МО	8433377857	9043271530	18433377857	59	LTE	N/A	N/A
2018/10/18 17:50:19(GMT -6)	10/18/2018 23:50:19	N/A	N/A	N/A	16		14	14105	МО	8433377857	14017490810	18433377857	26	LTE	N/A	N/A
2018/10/18 17:51:07(GMT -6)	10/18/2018 23:51:07	N/A	N/A	N/A	1		14	14105	МО	8433377857	16783337385	18433377857	76	LTE	N/A	N/A
2018/10/18 18:49:41(GMT -6)	10/19/2018 0:49:41	N/A	N/A	N/A	2		14	14151	МО	8433377857	19139092376	18433377857	73	LTE	N/A	N/A
2018/10/18 20:15:13(GMT +0)	10/18/2018 20:15:13	N/A	N/A	N/A	N/A	N/A		N/A	MF	8433377857	18433377857	17817978000	7	N/A	N/A	N/A
2018/10/18 20:15:13(GMT +0)	10/18/2018 20:15:13	N/A	N/A	N/A	N/A	N/A		N/A	MT	8433377857	18433377857	17817978000	7	N/A	N/A	N/A
2018/10/18 21:24:31(GMT -6)	10/19/2018 3:24:31	N/A	N/A	N/A	16		14	14105	МО	8433377857	9043271530	18433377857	2	LTE	N/A	N/A
2018/10/18 21:25:09(GMT -6)	10/19/2018 3:25:09	N/A	N/A	N/A	16		14	14105	МО	8433377857	14017490810	18433377857	63	LTE	N/A	N/A
2018/10/19 00:44:13(GMT +0)	10/19/2018 0:44:13	N/A	N/A	N/A	N/A	N/A		N/A	MT	8433377857	18433377857	19139092376	0	N/A	N/A	N/A
2018/10/19 00:44:13(GMT +0)	10/19/2018 0:44:13	N/A	N/A	N/A	N/A	N/A		N/A	MF	8433377857	18433377857	19139092376	0	N/A	N/A	N/A
2018/10/19 00:44:49(GMT +0)	10/19/2018 0:44:49	N/A	N/A	N/A	N/A	N/A		N/A	MF	8433377857	18433377857	19139092376	3	N/A	N/A	N/A
2018/10/19 00:44:49(GMT +0)	10/19/2018 0:44:49	N/A	N/A	N/A	N/A	N/A	- 1	N/A	MT	8433377857	18433377857	19139092376	3	N/A	N/A	N/A
2018/10/19 03:25:03(GMT +0)	10/19/2018 3:25:03	N/A	N/A	N/A	N/A	N/A		N/A	MT	8433377857	18433377857	18649058647	2	N/A	N/A	N/A
2018/10/19 03:25:03(GMT +0)	10/19/2018 3:25:03	N/A	N/A	N/A	N/A	N/A	-	N/A	MF	8433377857	18433377857	18649058647	2	N/A	N/A	N/A
2018/10/19 03:53:27(GMT +0)	10/19/2018 3:53:27	N/A	N/A	N/A	N/A	N/A		N/A	MF	8433377857	18433377857	16312413492	4	N/A	N/A	N/A
2018/10/19 03:53:27(GMT +0)	10/19/2018 3:53:27	N/A	N/A	N/A	N/A	N/A	-	N/A	МТ	8433377857	18433377857	16312413492	4	N/A	N/A	N/A
2018/10/19 03:58:35(GMT +0)	10/19/2018 3:58:35	N/A	N/A	N/A	N/A	N/A		N/A	МТ	8433377857	18433377857	16312413492	91	N/A	N/A	N/A
2018/10/19 03:58:35(GMT +0)	10/19/2018 3:58:35	N/A	N/A	N/A	34		14	14281	MF	8433377857	18433377857	16312413492	91	LTE	N/A	N/A

### Alulte File (Alcatel-Lucent LTE)

Record End Date*	Procedure Start Time*	Procedure End Time*	Proc Duration (secs)	Subscriber # (MSISDN)	IMEI	IMSI	MME	Rollup Mkt #	Rollup eNB#	Rollup Cell ID #*	First Distance (miles)	Last Distance (miles)
10/20	23:29:03.635	23:29:03.635	0	8433377857	35299909856547	311480394841261	17	14	143	12		
10/18	22:29:21.599	22:29:21.699	0.1	8433377857	35299909856547	311480394841261	17	14	143	12		
10/18	22:29:19.651	22:29:19.812	0.16	8433377857	35299909856547	311480394841261	17	14	143	12		
10/18	22:29:19.065	22:29:19.100	0.04	8433377857	35299909856547	311480394841261	17	14	143	1	0.24	0.24
10/18	22:29:16.230	22:29:16.324	0.09	8433377857	35299909856547	311480394841261	17	14	143	1		
10/18	22:29:16.038	22:29:16.080	0.04	8433377857	35299909856547	311480394841261	17	14	143	1	0.29	0.29
10/18	22:28:48.959	22:28:49.663	0.7	8433377857	35299909856547	311480394841261	17	14	143	1		
10/18	22:28:48.228	22:28:48.853	0.63	8433377857	35299909856547	311480394841261	17	14	143	1		
10/18	22:24:21.112	22:24:21.112	0	8433377857	35299909856547	311480394841261	17	14	143	1	0.19	0.19
10/18	22:24:15.662	22:24:15.756	0.09	8433377857	35299909856547	311480394841261	17	14	143	1		
10/18	22:24:14.269	22:24:14.789	0.52	8433377857	35299909856547	311480394841261	17	14	143	1		
10/18	22:24:13.244	22:24:13.285	0.04	8433377857	35299909856547	311480394841261	17	14	143	1		
10/18	22:24:07.943	22:24:08.677	0.73	8433377857	35299909856547	311480394841261	17	14	143	1		
10/18	22:24:07.267	22:24:07.818	0.55	8433377857	35299909856547	311480394841261	17	14	143	1		
10/18	21:52:27.830	21:52:28.027	0.2	8433377857	35299909856547	311480394841261	17	14	529	2		
10/18	21:52:25.915	21:52:26.155	0.24	8433377857	35299909856547	311480394841261	17	14	529	2		
10/18	21:52:25.310	21:52:25.350	0.04	8433377857	35299909856547	311480394841261	17	14	529	22	0.19	0.24
10/18	21:52:19.493	21:52:19.586	0.09	8433377857	35299909856547	311480394841261	17	14	529	22		
10/18	21:50:38.680	21:50:38.697	0.02	8433377857	35299909856547	311480394841261	17	14	105	34		
10/18	21:50:36.139	21:50:36.170	0.03	8433377857	35299909856547	311480394841261	17	14	283	24	0.58	0.58
10/18	21:50:24.794	21:50:25.814	1.02	8433377857	35299909856547	311480394841261	17	14	283	24		
10/18	21:50:18.257	21:50:18.315	0.06	8433377857	35299909856547	311480394841261	17	14	283	24		
10/18	21:46:25.051	21:46:25.087	0.04	8433377857	35299909856547	311480394841261	17	14	478	32	0.39	0.44
10/18	21:46:19.517	21:46:19.580	0.06	8433377857	35299909856547	311480394841261	17	14	478	32		
10/18	21:46:09.713	21:46:09.746	0.03	8433377857	35299909856547	311480394841261	17	14	105	14	0.63	0.68

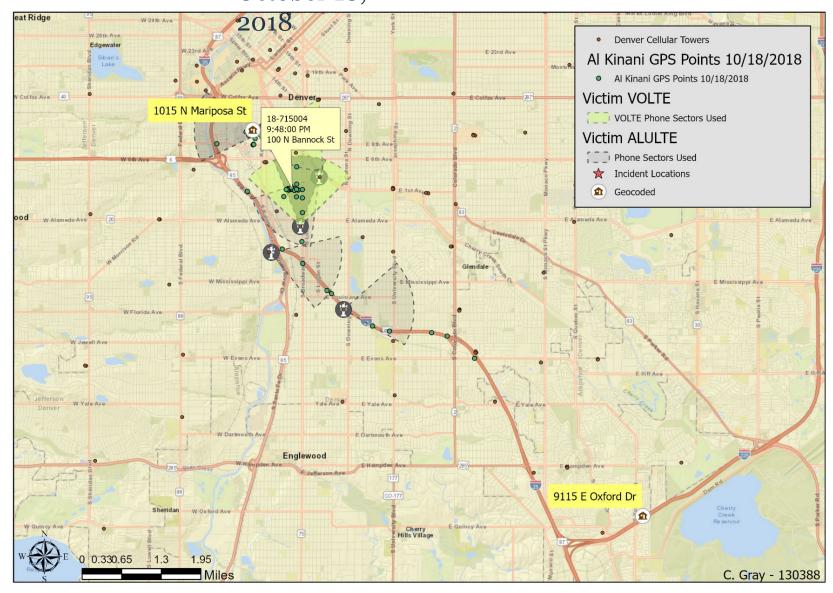
### Cellular Towers

Market SID Switch Numbe	Switch Name	Site Number	E-911 Latitude Degrees (NAD83)	E-911 Longitude Degrees (NAD83)	Street Address	City	State	Zip Code S	Sector	Azimuth (deg)	Antenna H-BW (deg)
58	4 MTX03	626	43.042181	-108.441994	3850-A Airport Road	RIVERTON	WY	82501	2	40	61.75
58	4 MTX03	626	43.042181	-108.441994	3850-A Airport Road	RIVERTON	WY	82501	3	200	61.75
58	4 MTX03	626	43.042181	-108.441994	3850-A Airport Road	RIVERTON	WY	82501	3	200	61.75
58	4 MTX03	626	43.042181	-108.441994	3850-A Airport Road	RIVERTON	WY	82501	3	200	61.75
58	4 MTX03	626	43.042181	-108.441994	3850-A Airport Road	RIVERTON	WY	82501	3	200	61.75
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	1	348	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	1	348	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	1	348	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	1	348	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	2	90	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	2	90	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	2	90	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	2	90	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	3	170	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	3	170	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	3	170	64
58	4 MTX03	627	42.850767	-110.980606	236 N. Washington St.	Grover	WY	83122	3	170	64

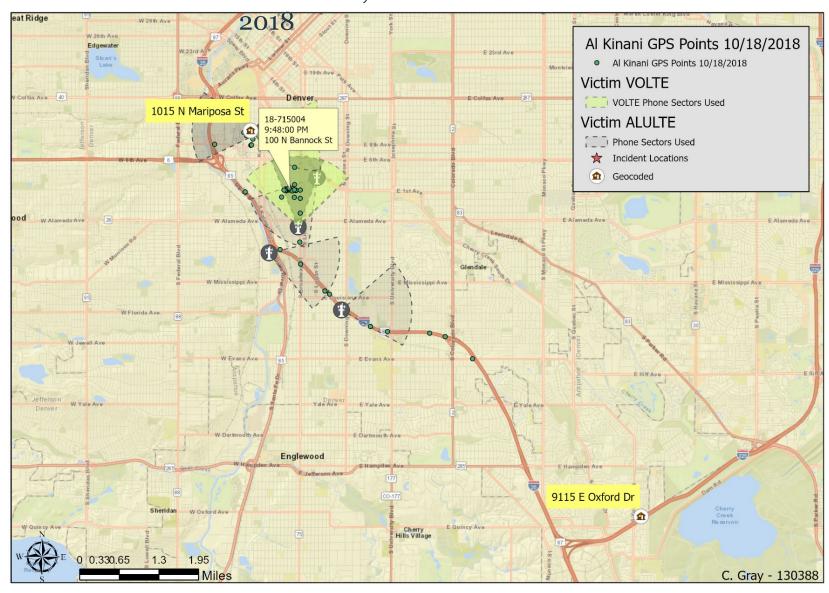
### **GPS** Data

Client	Tracker#	Event Date (Local)	receive_date_local	Latitude	Longitude	# Sats	Speed	Address
Al Kinani, Husham (SR)	1168971	10/18/2018 21:00	10/18/2018 21:05	39.732468	-105.002629	7	0	1201 W 10th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:01	10/18/2018 21:05	39.732463	-105.002629	8	0	1201 W 10th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:02	10/18/2018 21:05	39.732468	-105.002624	8	0	1201 W 10th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:03	10/18/2018 21:05	39.732473	-105.002629	7	0	1201 W 10th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:04	10/18/2018 21:35	39.732468	-105.002629	8	0	1201 W 10th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:05	10/18/2018 21:35	39.732468	-105.002656	5	0	1201 W 10th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:06	10/18/2018 21:35	39.732457	-105.002656	7	0	1201 W 10th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:07	10/18/2018 21:35	39.732447	-105.002656	6	0	1006 Mariposa St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:08	10/18/2018 21:35	39.732436	-105.002651	8	0	1006 Mariposa St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:09	10/18/2018 21:35	39.732425	-105.002624	7	0	1006 Mariposa St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:10	10/18/2018 21:35	39.732425	-105.002619	7	0	1006 Mariposa St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:11	10/18/2018 21:35	39.732425	-105.002597	6	0	1006 Mariposa St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:12	10/18/2018 21:35	39.732414	-105.002581	6	0	1006 Mariposa St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:13	10/18/2018 21:35	39.732414	-105.002602	7	0	1006 Mariposa St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:14	10/18/2018 21:35	39.732329	-105.00249	9	2	1129 W 10th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:15	10/18/2018 21:35	39.731942	-105.002812	8	2	983 Mariposa St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:16	10/18/2018 21:35	39.731277	-105.003284	7	1	939 Mariposa St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:17	10/18/2018 21:35	39.730478	-105.002098	9	22	1120 W 9th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:18	10/18/2018 21:35	39.730236	-104.99815	7	15	878 Santa Fe Dr, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:19	10/18/2018 21:35	39.728788	-104.998981	8	0	938 W 8th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:20	10/18/2018 21:35	39.730515	-104.998021	9	19	809 W 9th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:21	10/18/2018 21:35	39.729239	-104.994003	7	29	439 W 8th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:22	10/18/2018 21:35	39.725816	-104.994137	9	0	603 Elati St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:23	10/18/2018 21:35	39.726454	-104.993917	8	2	642 Elati St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:24	10/18/2018 21:35	39.727222	-104.993993	8	2	678 Elati St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:25	10/18/2018 21:35	39.727318	-104.992909	9	2	701 Delaware St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:26	10/18/2018 21:35	39.726465	-104.992946	8	2	645 Delaware St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:27	10/18/2018 21:35	39.725741	-104.992887	8	3	403 6th Ave, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:28	10/18/2018 21:35	39.725827	-104.994025	9	2	603 Elati St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:29	10/18/2018 21:35	39.725446	-104.992914	7	1	572 Delaware St, Denver, CO 80204, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:30	10/18/2018 21:35	39.723815	-104.989309	7	19	118 W 5th Ave, Denver, CO 80204, USA

GPS and Phone October 18, 9:00 PM - 10:30 PM



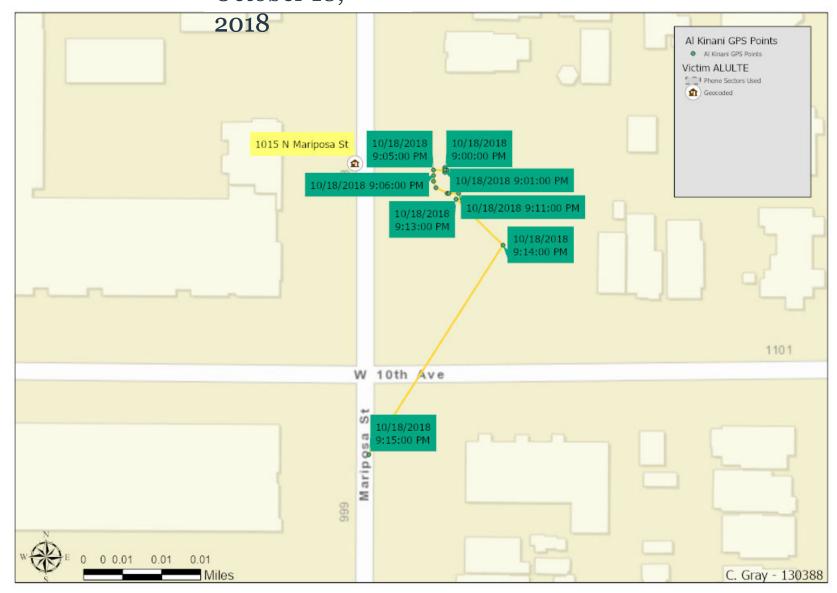
GPS and Phone October 18, 9:00 PM - 10:30 PM



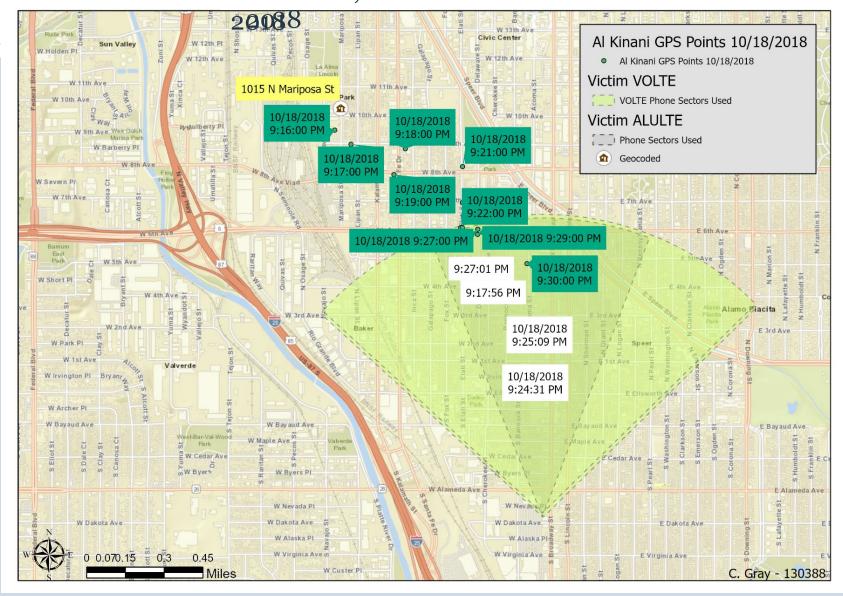
#### Calls and GPS Overlay October 18, 9:00 PM - 9:15 PM



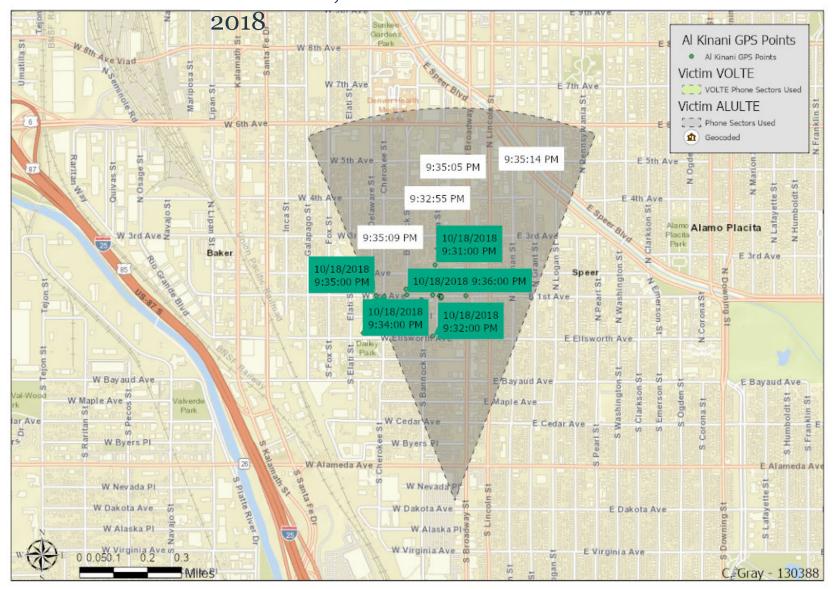
Calls and GPS Overlay October 18, 9:00 PM - 9:15 PM



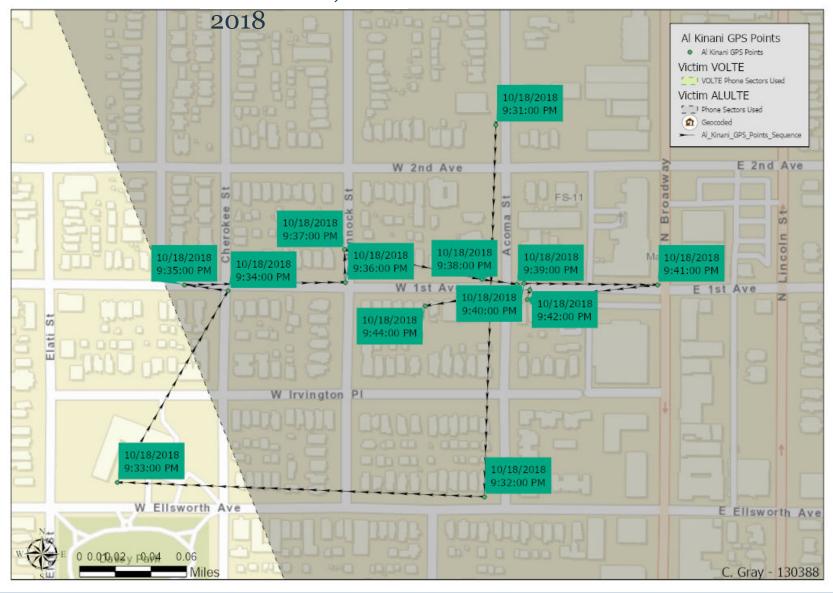
GPS and Phone October 18, 9:00 PM - 10:30 PM



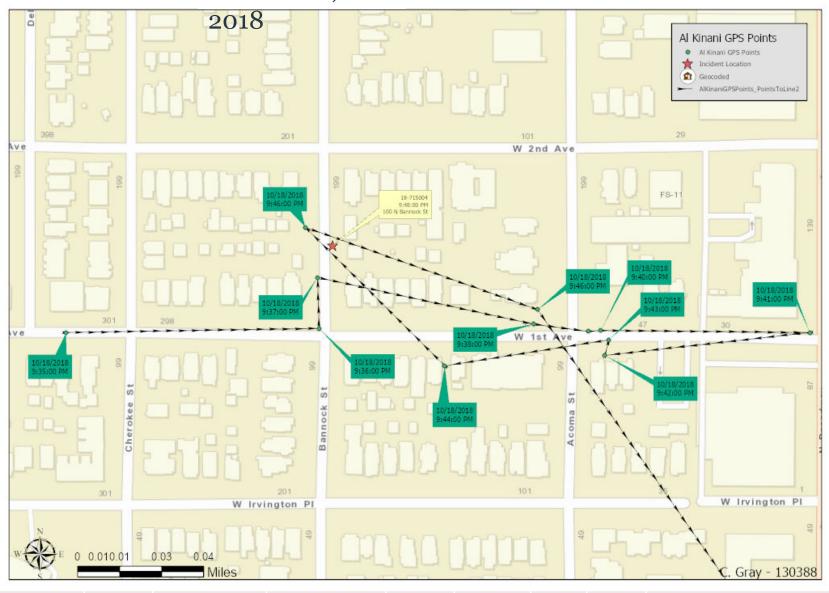
Phone and GPS October 18, 9:30 PM - 9:45 PM



Phone and GPS - Zoom October 18, 9:30 PM - 9:45 PM



Phone and GPS October 18, 9:35 PM - 9:42 PM



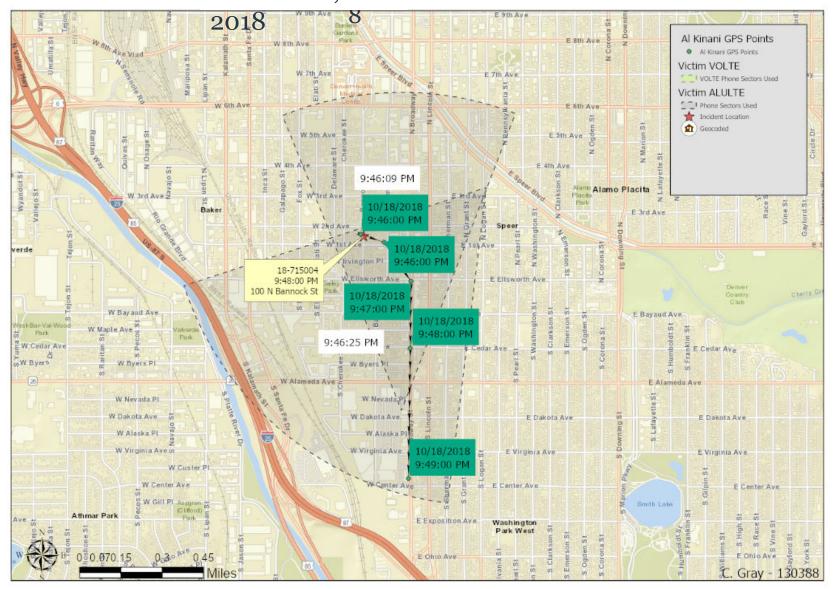
Client	Tracker#	Event Date (Local)	receive_date_local	Latitude	Longitude	# Sats	Speed	Address
Al Kinani, Husham (SR)	1168971	10/18/2018 21:46	10/18/2018 22:05	39.718923	-104.990962	9	0	200 W 2nd Ave, Denver, CO 80223, USA
Al Kinani, Husham (SR)	1168971	10/18/2018 21:46	10/18/2018 22:05	39.718499	-104.989406	7	7	107 Acoma St, Denver, CO 80223, USA

### Phone and GPS October 18, 9:35 PM - 9:42 PM



	Client	Tracker#	Event Date (Local)	receive_date_local	Latitude	Longitude	# Sats	Speed	Address
_	Al Kinani, Husham								
	(SR)	1168971	10/18/2018 21:46	10/18/2018 22:05	39.718923	-104.990962	9	0	200 W 2nd Ave, Denver, CO 80223, USA
	Al Kinani, Husham								
	(SR)	1168971	10/18/2018 21:46	10/18/2018 22:05	39.718499	-104.989406	7	7	107 Acoma St, Denver, CO 80223, USA

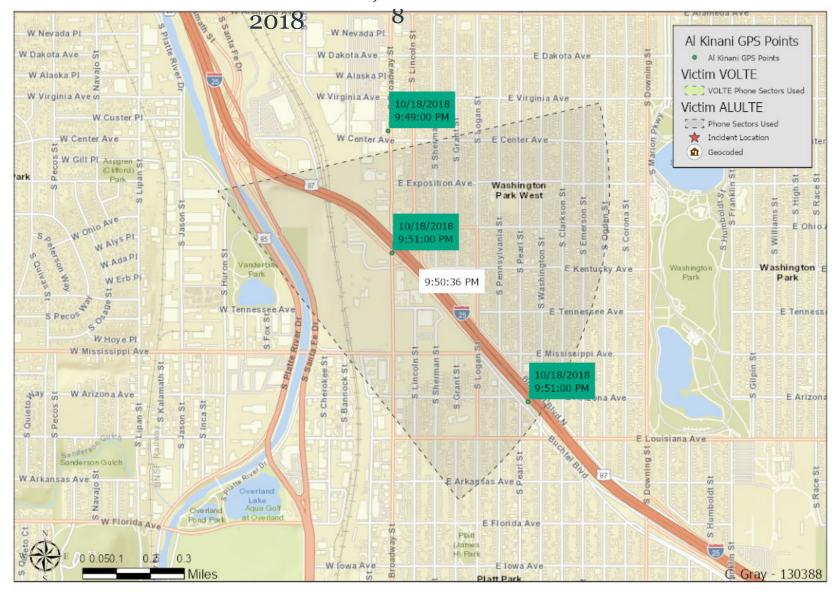
Phone and GPS October 18, 9:46 PM - 9:50 PM



GPS October 18, 9:46 PM - 9:54 PM



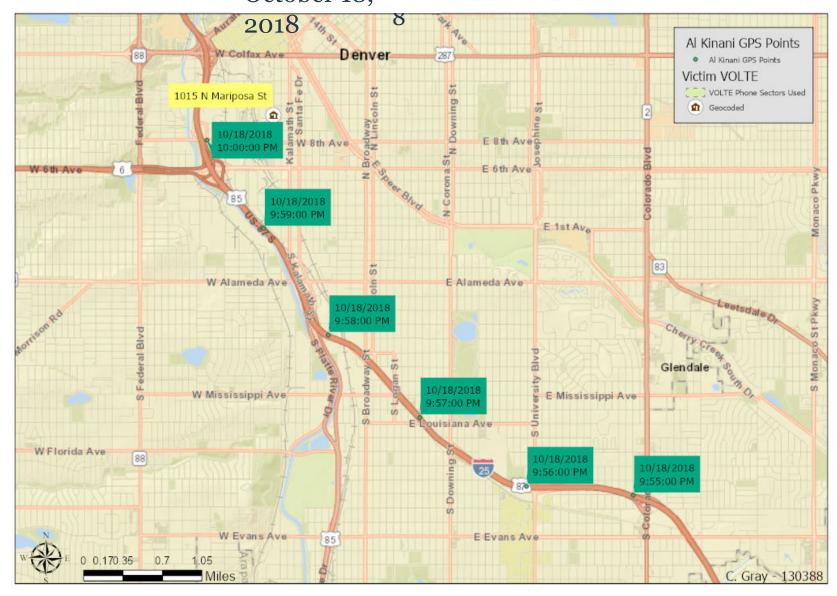
GPS and Phone October 18, 9:50 PM



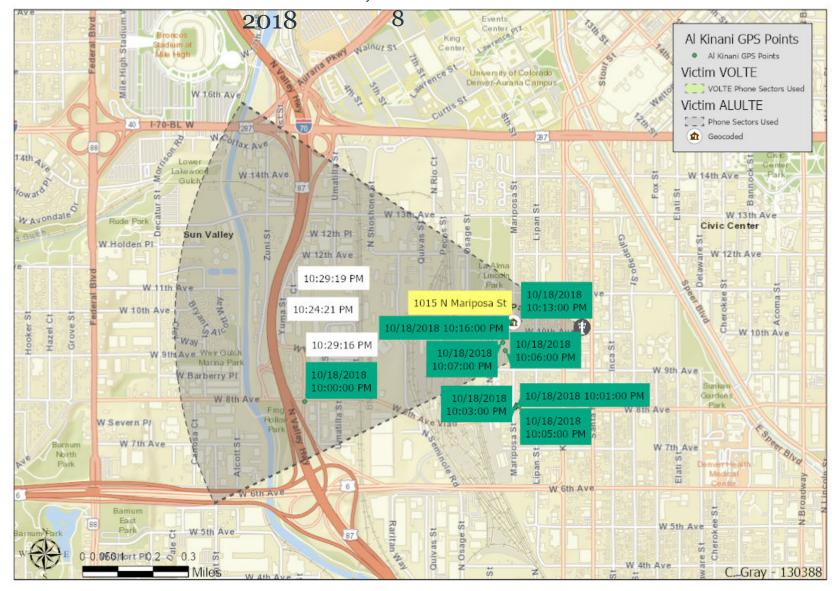
GPS and Phone October 18, 9:52 PM



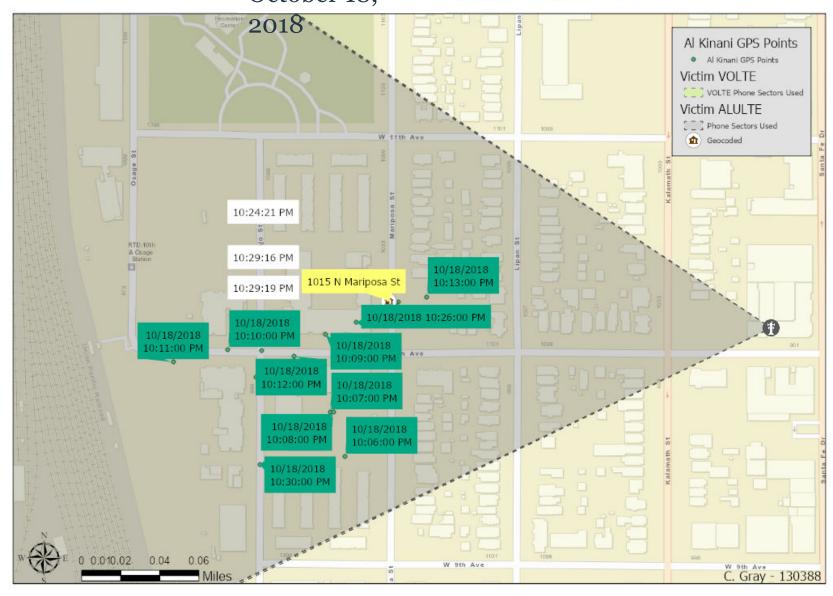
GPS October 18, 9:55 - 10:00 PM



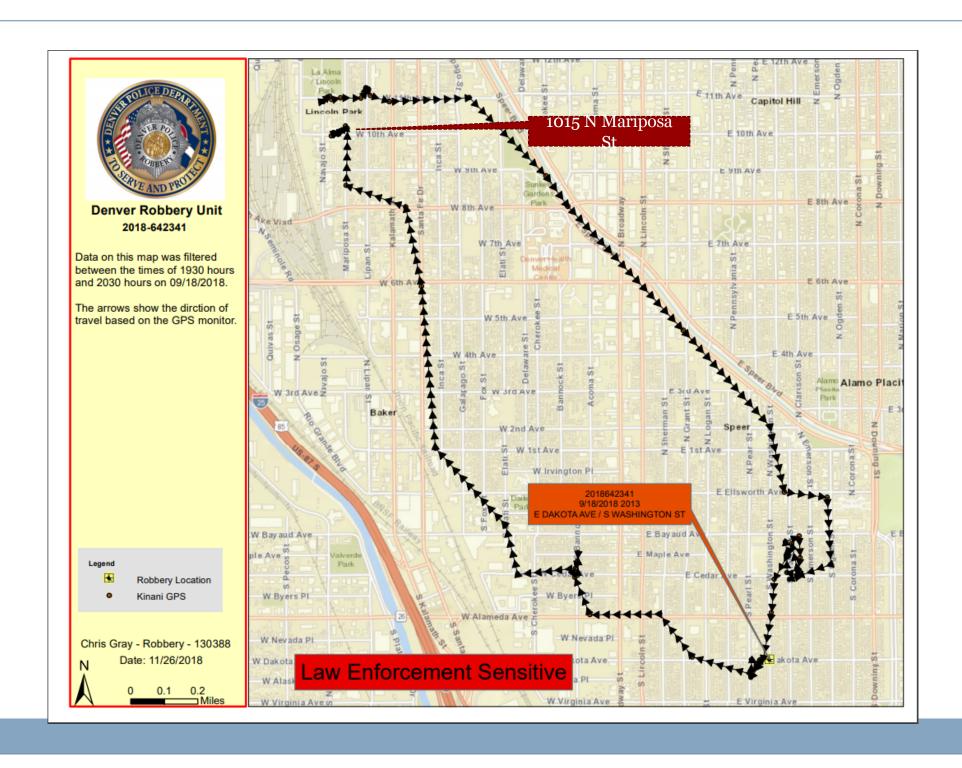
GPS and Phone October 18, 10:00 - 10:30 PM

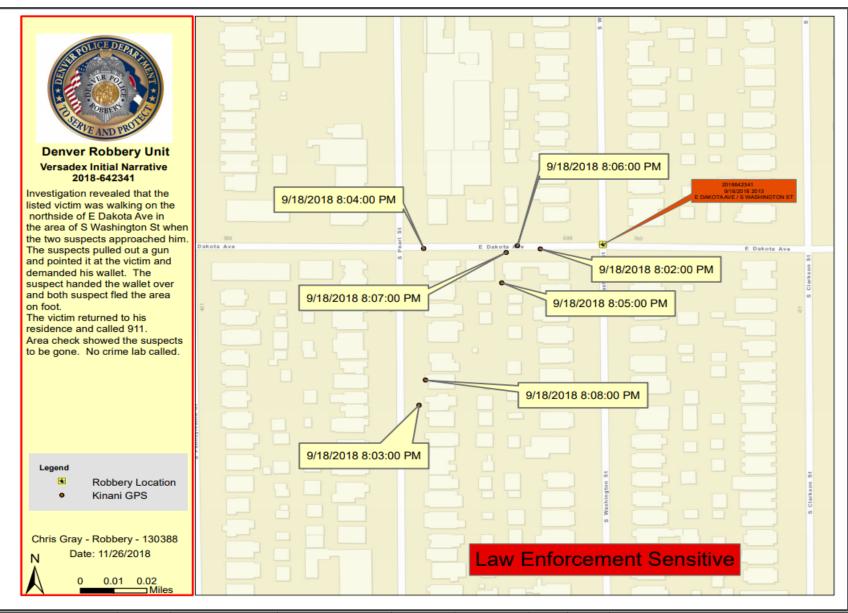


GPS and Phone - Zoom October 18, 10:00 - 10:30 PM





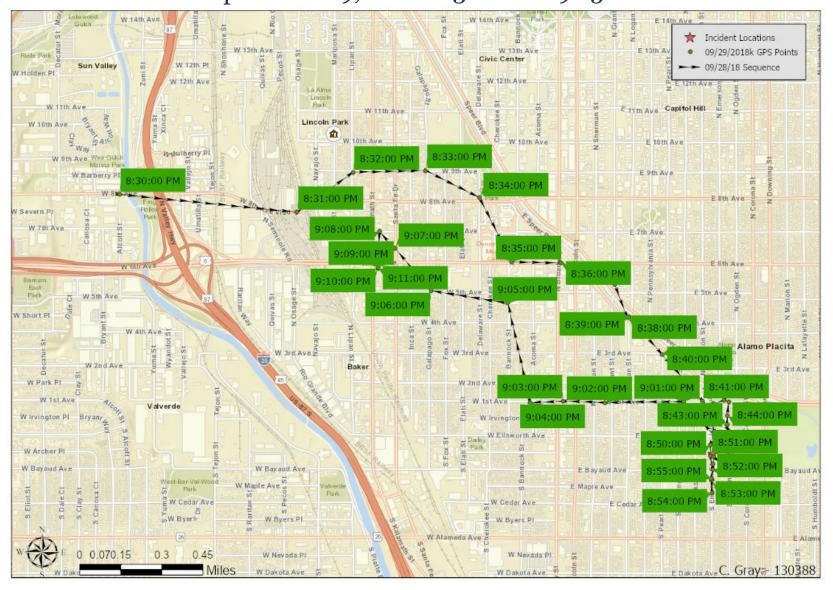




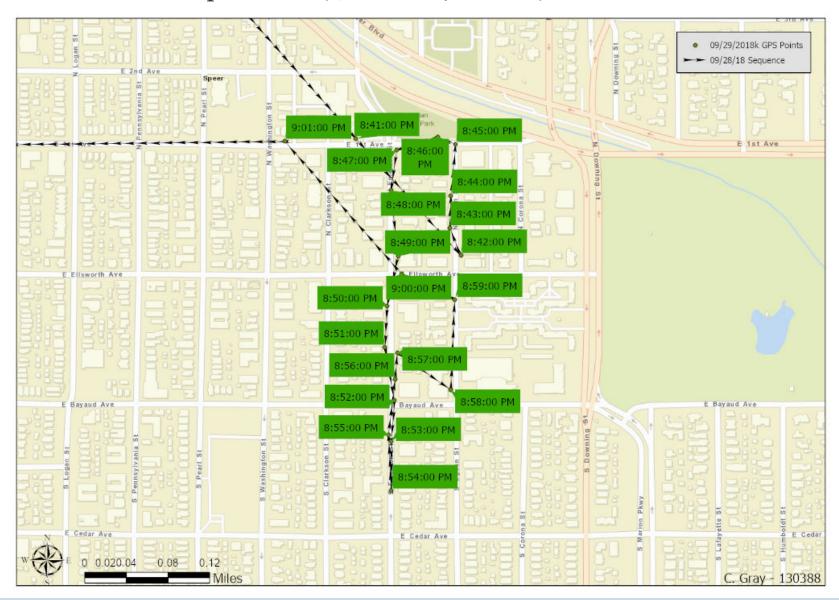
Client	Tracker#	<b>Event Date (Local)</b>	receive_date_local	Latitude	Longitude	# Sats	Speed	Address
Al Kinani, Husham (SR)	1168971	9/18/2018 20:06	9/18/2018 20:09	39.709294	-104.979702	10	0	622 E Dakota Ave, Denver, CO 80209, USA
Al Kinani, Husham (SR)	1168971	9/18/2018 20:07	9/18/2018 20:09	39.709262	-104.979766	10	4	622 E Dakota Ave, Denver, CO 80209, USA



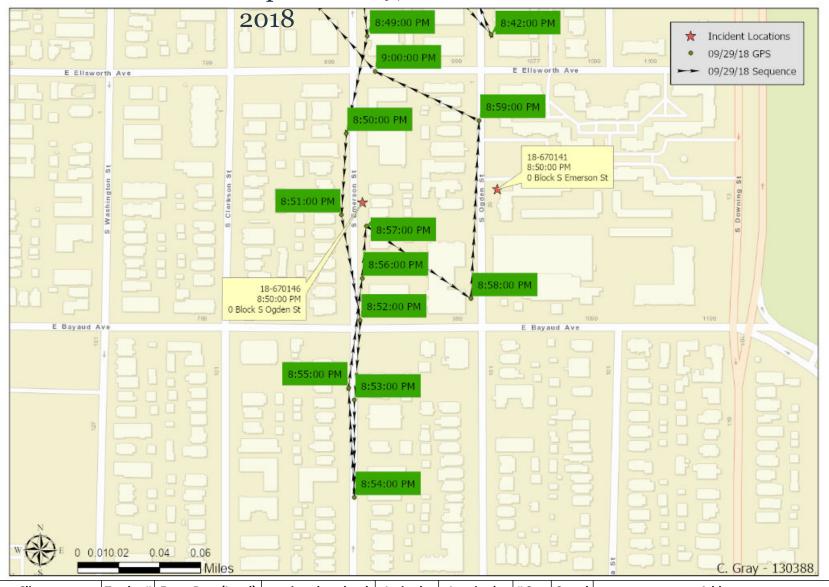
GPS September 29, 2018 8:30 PM – 9:15 PM



GPS September 29, 2018 8:41 PM – 9:01 PM



GPS September 29, 8:50 PM - 9:00 PM



Client	Tracker#	Event Date (Local)	receive_date_local	Latitude	Longitude	# Sats	Speed	Address
Al Kinani, Husham (SR)	1168971	9/29/2018 20:57	9/29/2018 21:16	39.715436	-104.9768	9	0	54 S Emerson St, Denver, CO 80209, USA
Al Kinani, Husham (SR)	1168971	9/29/2018 20:58	9/29/2018 21:16	39.714921	-104.975839	10	2	77 S Ogden St, Denver, CO 80209, USA
Al Kinani, Husham (SR)	1168971	9/29/2018 20:59	9/29/2018 21:16	39.716176	-104.975764	9	0	6 S Ogden St, Denver, CO 80209, USA

GPS September 29, 8:50 PM - 9:00 PM

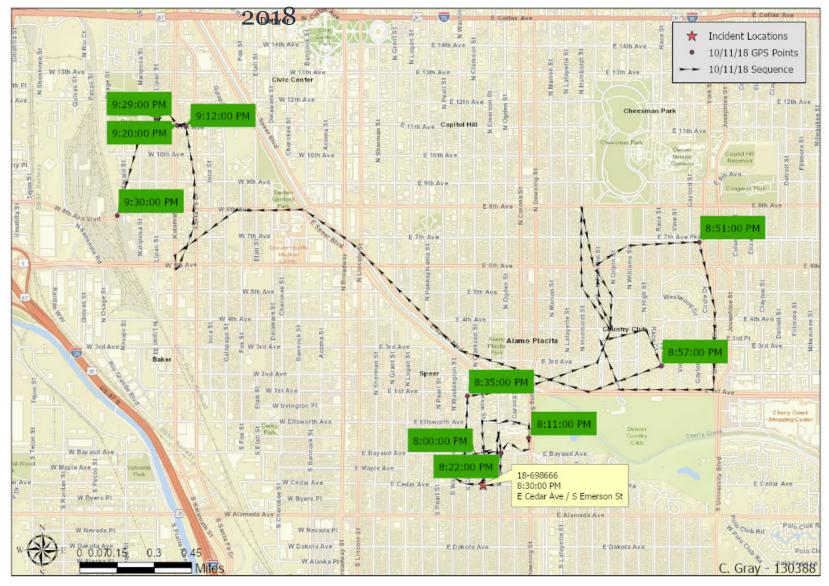


Client	Tracker#	Event Date (Local)	receive_date_local	Latitude	Longitude	# Sats	Speed	Address
Al Kinani, Husham (SR)	1168971	9/29/2018 20:57	9/29/2018 21:16	39.715436	-104.9768	9	0	54 S Emerson St, Denver, CO 80209, USA
Al Kinani, Husham (SR)	1168971	9/29/2018 20:58	9/29/2018 21:16	39.714921	-104.975839	10	2	77 S Ogden St, Denver, CO 80209, USA
Al Kinani, Husham (SR)	1168971	9/29/2018 20:59	9/29/2018 21:16	39.716176	-104.975764	9	0	6 S Ogden St, Denver, CO 80209, USA



October 11,

GPS 8:00 PM - 9:30 PM Not all GPS Points Displayed



GPS October 18, 8:00 PM - 8:34 PM



GPS October 18, 8:23 PM - 8:32 PM



Client	Tracker#	Event Date (Local)	receive_date_local	Latitude	Longitude	# Sats	Speed	Address
Al Kinani, Husham (SR)	1168971	10/11/2018 20:30	10/11/2018 20:45	39.712925	-104.97732	9	5	191 S Emerson St, Denver, CO 80209, USA
Al Kinani, Husham (SR)	1168971	10/11/2018 20:30	10/11/2018 20:45	39.712936	-104.97821	10	1	6790 E Cedar Ave, Denver, CO 80224, USA

GPS October 18, 8:23 PM - 8:32 PM



Client	Tracker#	Event Date (Local)	receive_date_local	Latitude	Longitude	# Sats	Speed	Address
Al Kinani, Husham								191 S Emerson St, Denver, CO 80209,
(SR)	1168971	10/11/2018 20:30	10/11/2018 20:45	39.712925	-104.97732	9	5	USA
Al Kinani, Husham								6790 E Cedar Ave, Denver, CO 80224,
(SR)	1168971	10/11/2018 20:30	10/11/2018 20:45	39.712936	-104.97821	10	1	USA

## Kalamath Liquors Surveillance

8:12:38 PM (Video Time)
54 Minute Offset from Actual Time per
Denver Police Forensic Imaging Unit

8:13:18 PM (Video Time)
54 Minute Offset from Actual Time per
Denver Police Forensic Imaging Unit

GPS October 11, 2018 9:03 PM – 9:06 PM



39.725569 -104.999877

990 6th Ave, Denver, CO 80204, USA

Al Kinani, Husham (SR)

Al Kinani, Husham

1168971

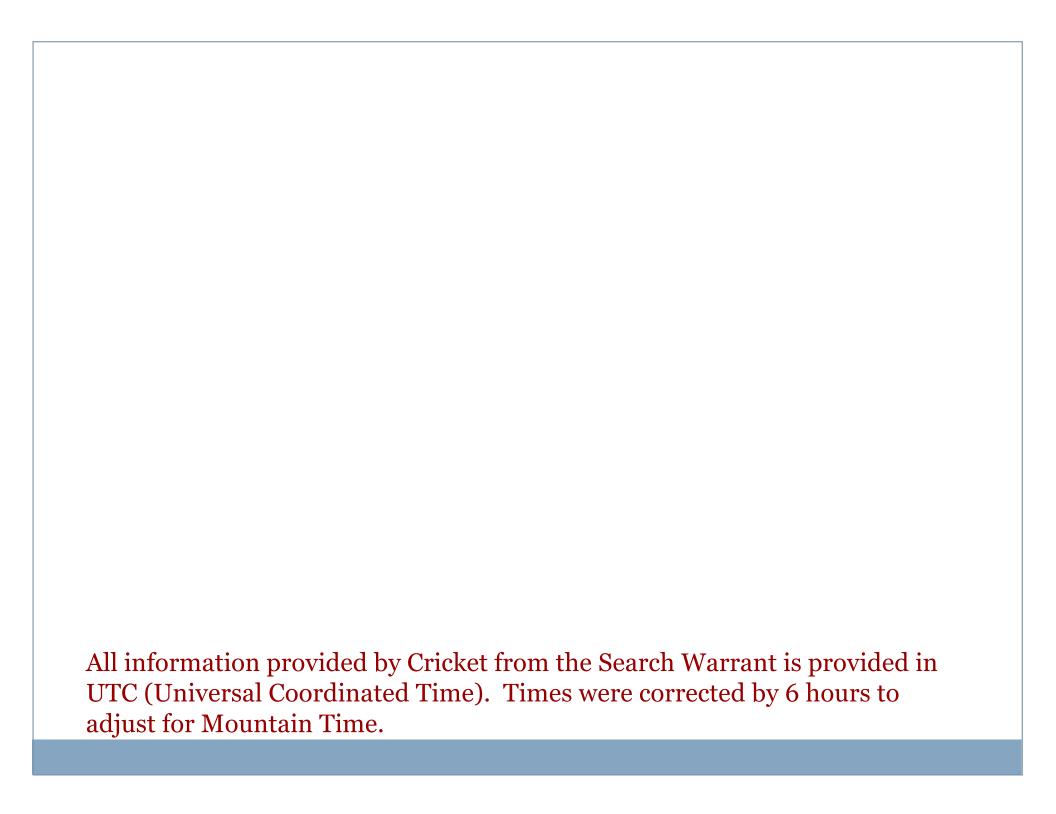
10/11/2018 21:05

10/11/2018 21:14

GPS October 11, 2018 9:03 PM – 9:06 PM



# Case Study #2



#### **Cell Location**

#### Identifiers:

3G Network cell Site= LAC/CID

4G Network Cell Site= ECGI

#### Examples:

3G Network Cell Site. [27077/11621:-80.05629:26.74779:350:90.0]

LAC/CID LONG:LAT Sector: Beamwidth

4G Network Cell Site {133151247:520122: -96.912452:33.013937:358:-1.0

ECGI:ENB-ID LONG:LAT Sector:Beamwidth

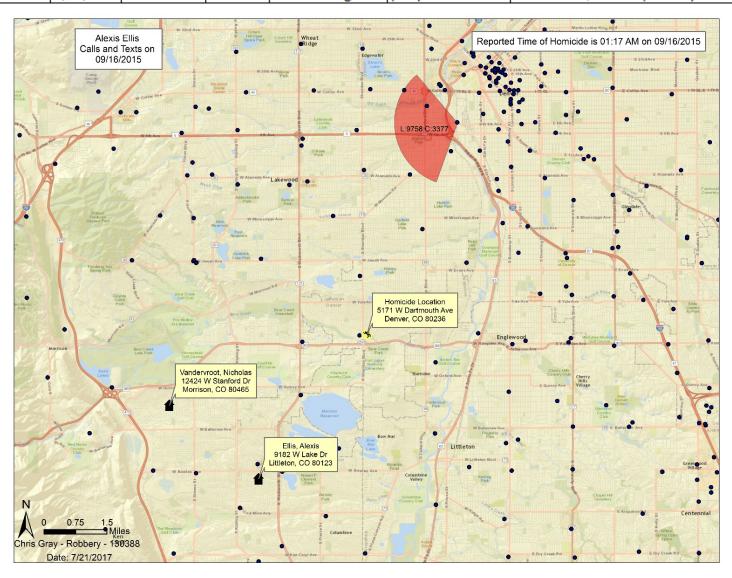
#### **Definitions:**

LAC-Location Area Code. This number identifies the specific region a cell tower is located in. The number is used internally in AT&T and for network purposes.

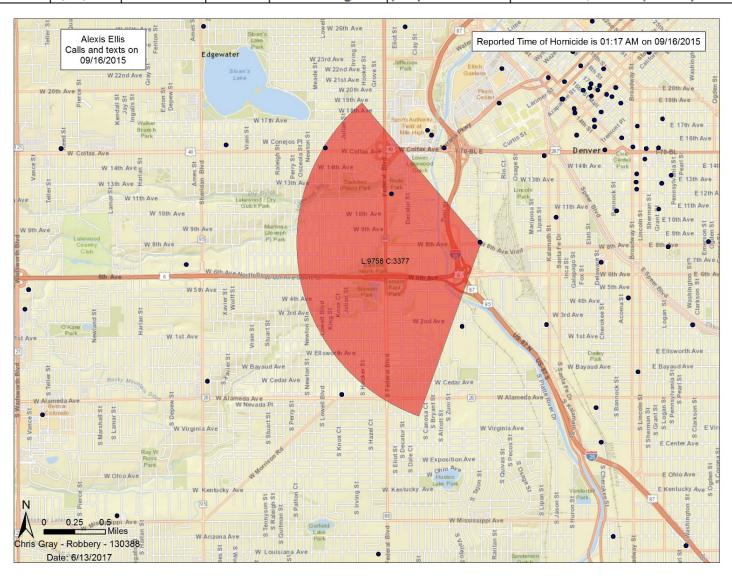
CID-Cell Identity. This number identifies the location of the tower within a specified region. The number is used internally in AT&T and for network purposes.

ECGI-Enhanced cell global identity. A ten digit number that indicates the location of a cell tower when 4G technology is being used. The number is used internally in AT&T and for network purposes.

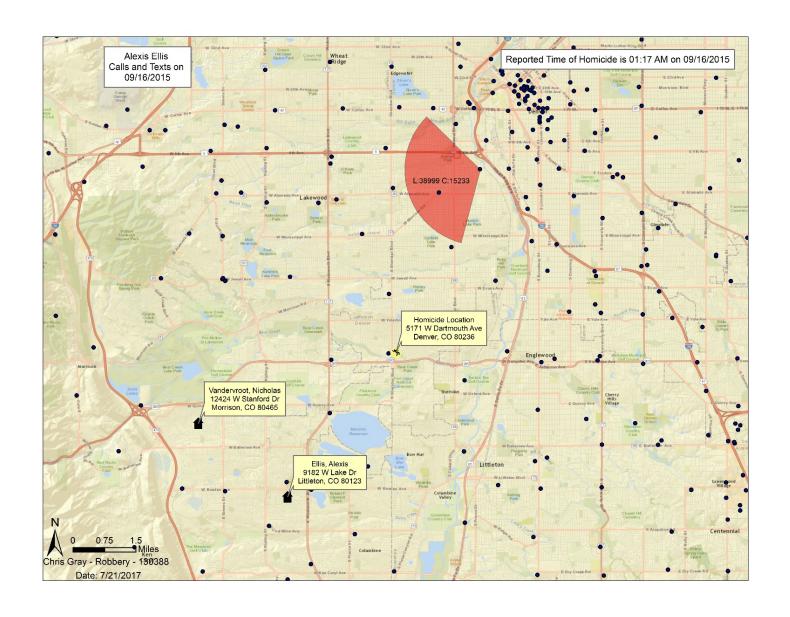
Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:02:24 AM	0:00:00	Text Message	IN- (720) 300-8452	UNKNOWN SUBSCRIBER	L:9758 C:3377
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:03:24 AM	0:00:00	Text Message	(720) 300-8452	UNKNOWN SUBSCRIBER	L:9758 C:3377
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:06:26 AM	0:00:00	Text Message	(720) 485-8051	RODRIGUEZ, DANTE (BUBBA)	L:9758 C:3377



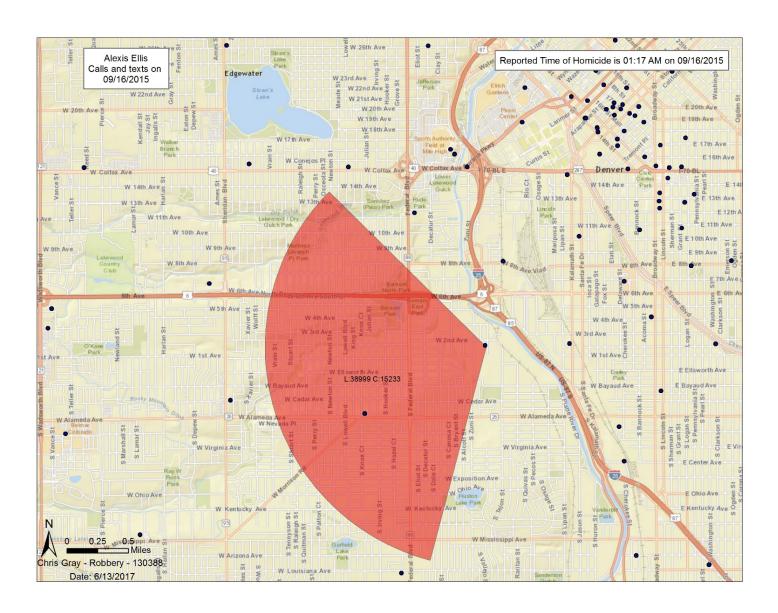
Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:02:24 AM	0:00:00	Text Message	IN- (720) 300-8452	UNKNOWN SUBSCRIBER	L:9758 C:3377
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:03:24 AM	0:00:00	Text Message	(720) 300-8452	UNKNOWN SUBSCRIBER	L:9758 C:3377
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:06:26 AM	0:00:00	Text Message	(720) 485-8051	RODRIGUEZ, DANTE (BUBBA)	L:9758 C:3377



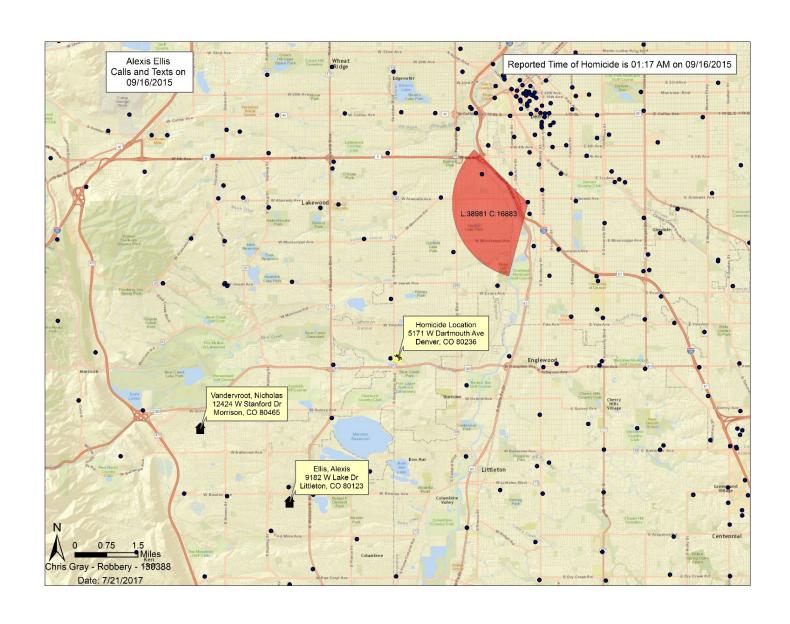
Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:12:03 AM	0:01:33	Person to Person	(303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:38999 C:15233



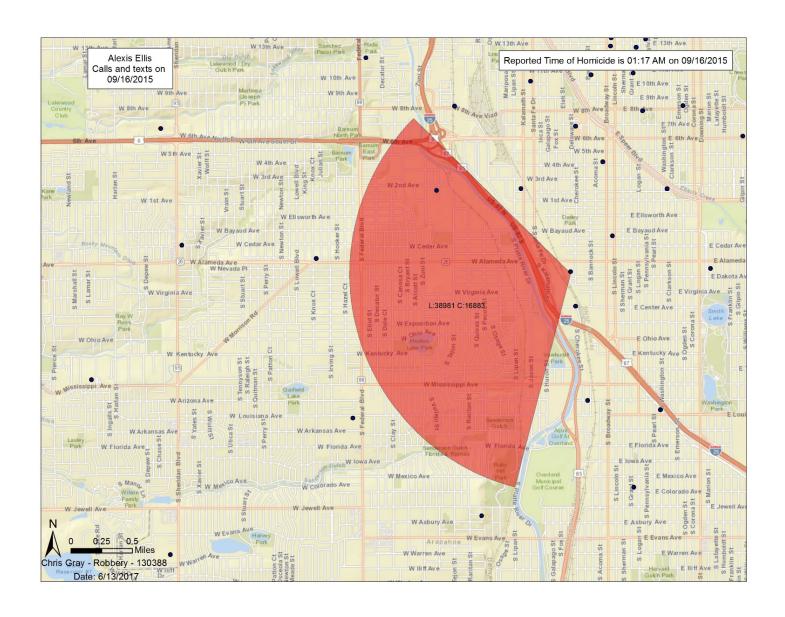
Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:12:03 AM	0:01:33	Person to Person	(303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:38999 C:15233
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:12:03 AM	0:01:33	Person to Person	(303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	



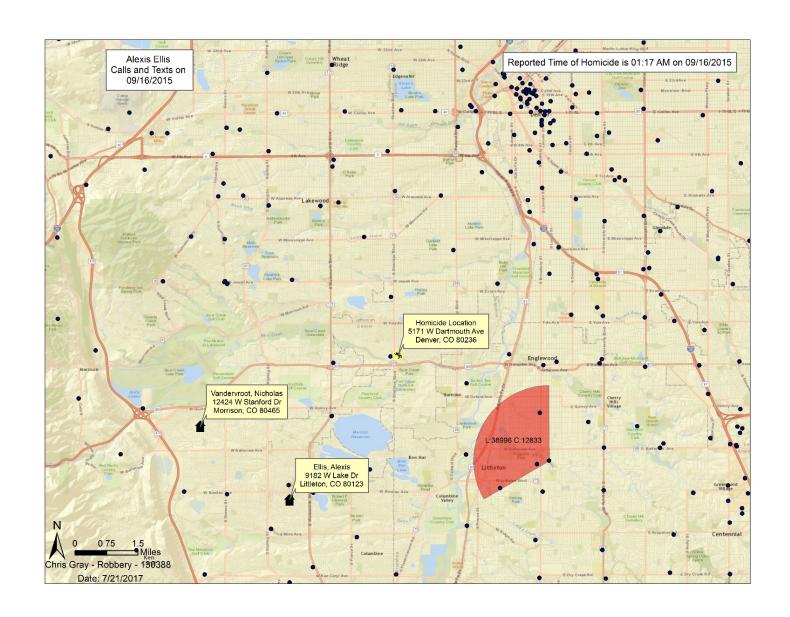
Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:14:19 AM	0:00:55	Person to Person	(303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:38981 C:16883



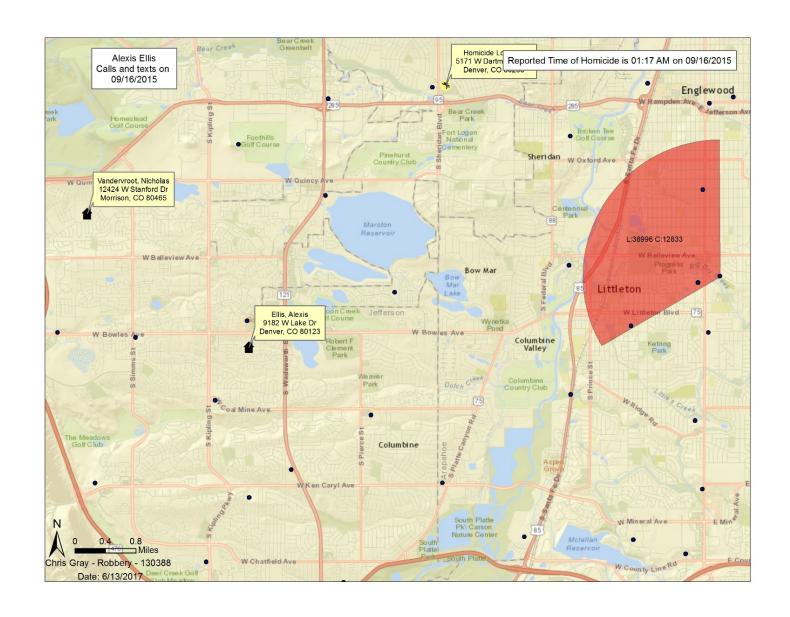
Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:14:19 AM	0:00:55	Person to Person	(303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:38981 C:16883



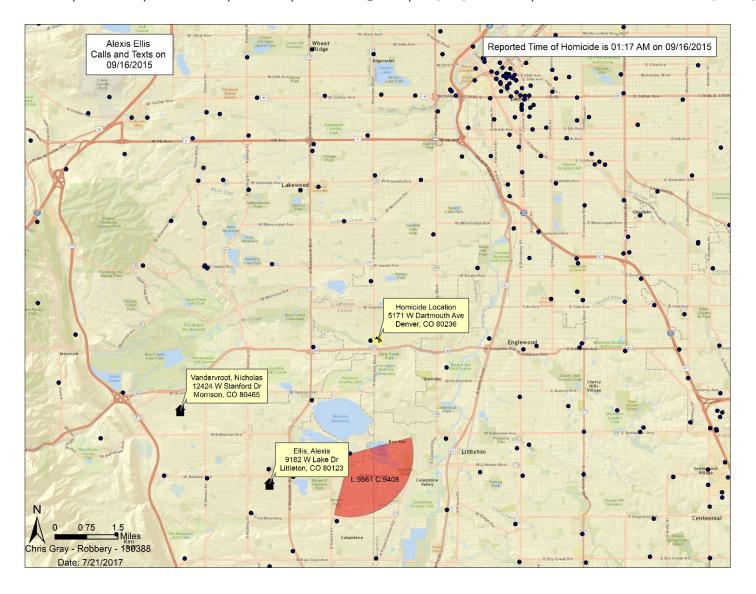
Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:27:01 AM	0:00:18	Person to Person	(303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:38996 C:12833



Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:27:01 AM	0:00:18	Person to Person	(303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:38996 C:12833



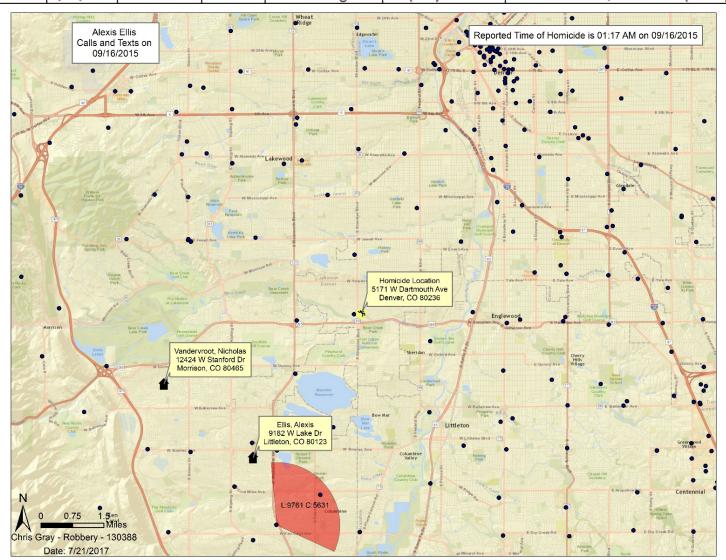
Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:32:25 AM	0:00:00	Text Message	IN- (303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:9861 C:9408



#### From phone extract on Vandervoorts phone. Message from Vandervoort to Ellis.

#	Number	Name	Date & Time	Local Time	Туре	Text
2707	3034085579	* Alexis	16/09/2015 01:32:25 (GMT-5)	9/16/2015 12:32:25 AM	Outgoing	I almost think it would be better if y'all swooped me

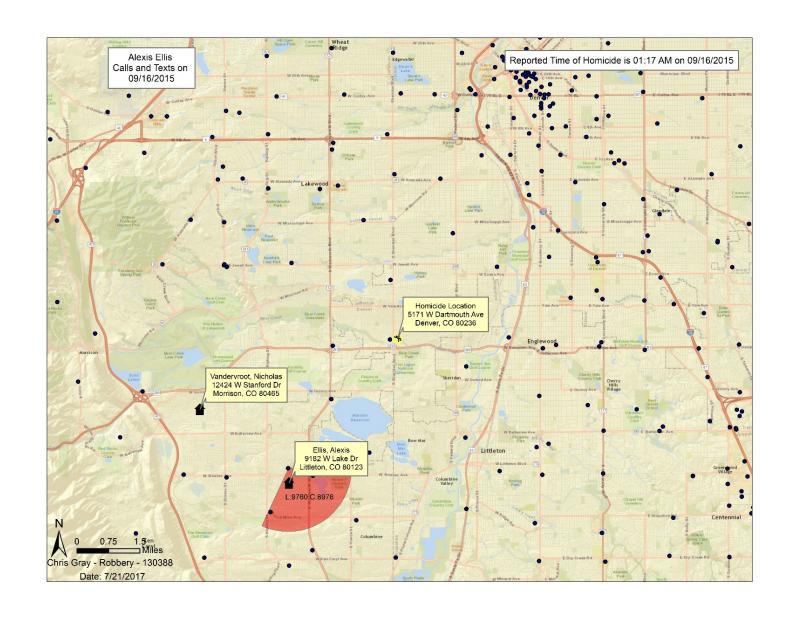
Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:36:03 AM	0:00:00	Text Message	(303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:9761 C:5631
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:36:13 AM	0:00:00	Text Message	IN- (303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	



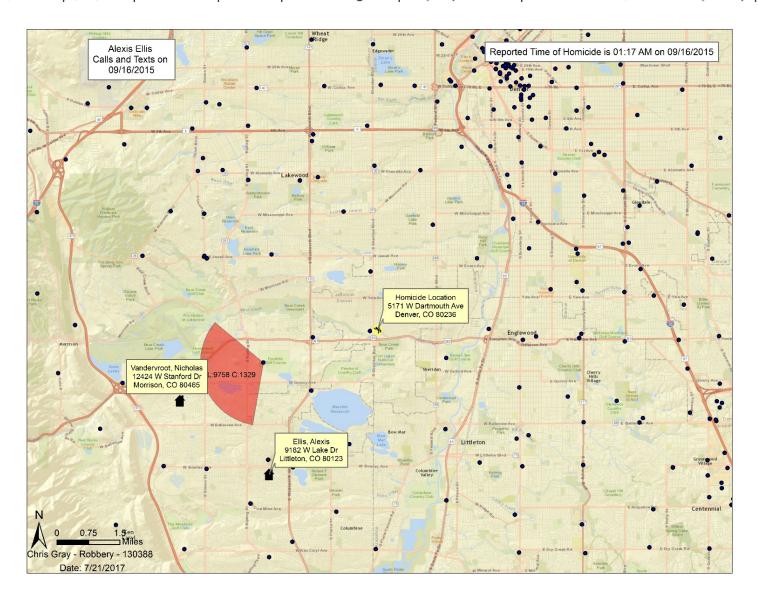
From phone extract on Vandervoorts phone. Message from Vandervoort to Ellis.

#	Number	Name	Date & Time	Local Time	Туре	Text
2709	13034085579	* Alexis	16/09/2015 01:36:03 (GMT-5)	9/16/2015 12:36:03 AM	Incoming	We're on our way
2710	13034085579	* Alexis	16/09/2015 01:36:14 (GMT-5)	9/16/2015 12:36:14 AM	Outgoing	Word

Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:36:14 AM	0:00:00	Text Message	IN- (303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:9760 C:8976



Target	Target Name	Date	Time	Duration	Call Routing	Number Dialed	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:44:44 AM	0:00:00	Text Message	(303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:9758 C:1329
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	12:45:25 AM	0:00:00	Text Message	IN- (303) 396-7776	VANDERVOORT, NICHOLAS (ROYA)	L:9758 C:1329



#### From phone extract on Vandervoort's phone. Message from Vandervoort to Ellis.

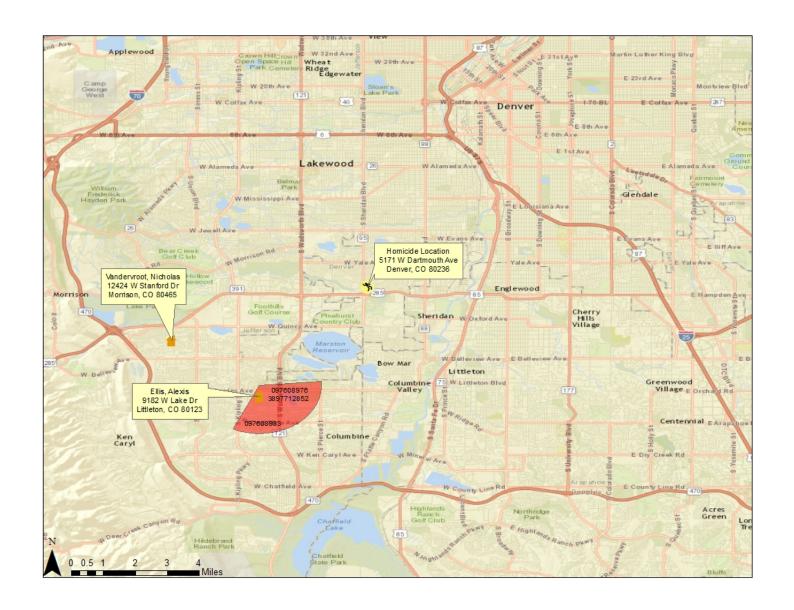
#	Number	Name	Date & Time	Local Time	Туре	Text
2711	13034085579	* Alexis	16/09/2015 01:44:44 (GMT-5)	9/16/2015 12:44:44 AM	Incoming	Come out side
2712	13034085579	* Alexis	16/09/2015 01:45:26 (GMT-5)	9/16/2015 12:45:26 AM	Outgoing	Word

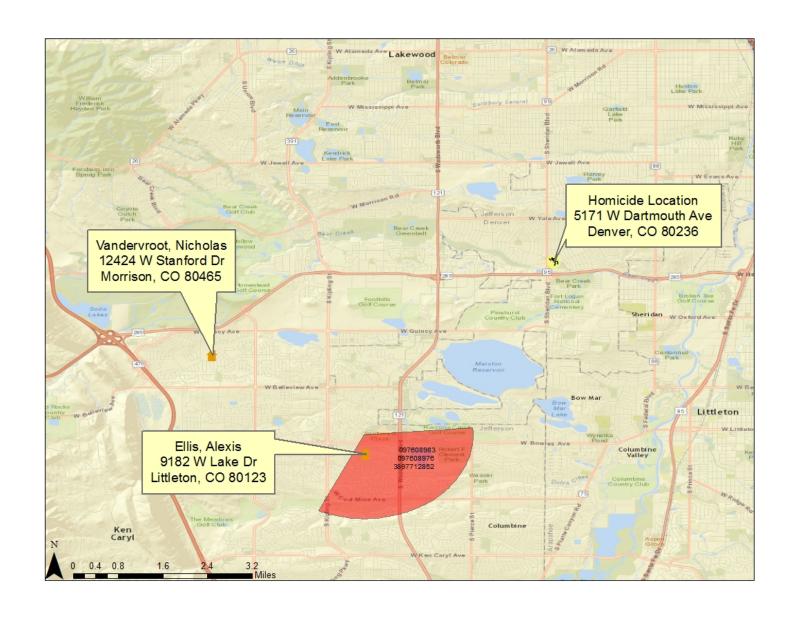
## There are no phone calls or text messages made by this phone between 12:45 AM and 08:05 AM on 09/16/2015.

The spread sheet below shows calls and texts between 8:05 AM and 11:30 AM on September 16, 2015.

#### Calls with associated antennas are mapped on the next slide.

Target	Target Name	Date	Time	Duration	Number Dialed	Call Routing	Dialed Name	Beginning Location
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:05:43	0:00:00	IN- (720) 434-4442	Text Message	NO SUBSCRIBER.	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:14:44	0:00:00	IN- (720) 434-4442	Text Message	NO SUBSCRIBER.	L:9760 C:8976
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:16:07	0:00:00	(720) 434-4442	Text Message	NO SUBSCRIBER.	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:16:08	0:00:00	(720) 434-4442	Text Message	NO SUBSCRIBER.	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:16:50	0:00:00	(303) 638-3261	Text Message	NO SUBSCRIBER.	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:17:55	0:00:00	IN- (720) 434-4442	Text Message	NO SUBSCRIBER.	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:17:56	0:00:00	IN- (720) 434-4442	Text Message	NO SUBSCRIBER.	L:9760 C:8983
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:19:14	0:01:55	IN- (720) 434-4442	Person to Person	NO SUBSCRIBER.	L:38977 C:12852
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:21:35	0:01:45	IN- (720) 434-4442	Person to Person	NO SUBSCRIBER.	L:38977 C:17852
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:23:36	0:00:00	(303) 638-3261	Person to Person	NO SUBSCRIBER.	L:38977 C:17852
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:23:40	0:00:00	(303) 638-3261	Person to Person	NO SUBSCRIBER.	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:28:01	0:00:03	IN- (303) 495-1733	Voice Mail	NO SUBSCRIBER.	L:38977 C:17852
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:28:01	0:00:03	(970) 371-9275	Voice Mail	AT&T VOICEMAIL	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:37:15	0:00:02	IN- (303) 396-7776	Voice Mail	VANDERVROOT, NICHOLAS	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	8:37:15	0:00:02	(970) 371-9275	Voice Mail	AT&T VOICEMAIL	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	10:05:35	0:00:00	IN- 70626	Text Message	NO SUBSCRIBER.	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	10:05:36	0:00:00	IN- 1870626	Text Message	NO SUBSCRIBER.	L:9760 C:8983
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	10:30:34	0:00:00	IN- 326-6510~1	Text Message	NO SUBSCRIBER.	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	10:30:36	0:00:00	IN- 1-832-6651~01	Text Message	NO SUBSCRIBER.	L:9760 C:8983
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	11:30:01	0:00:00	IN- (720) 434-4442	Text Message	NO SUBSCRIBER.	
(303) 408-5579	ELLIS, ALEXIS	9/16/2015	11:30:02	0:00:00	IN- (720) 434-4442	Text Message	NO SUBSCRIBER.	L:9760 C:8983



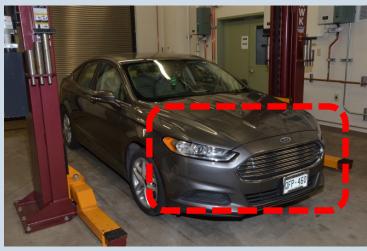


#### **USE OF POWERPOINTS**

- Can be very effective many people process materials better visually than simply by hearing about them
- CAUTION: only use materials that have been or will be admitted at trial
- Stay away from mugshots or "altered" photos
- Avoid argumentative slides, particularly during opening statement

## COMPILATIONS OF PHOTOS WITH IMPORTANT DETAILS HIGHLIGHTED









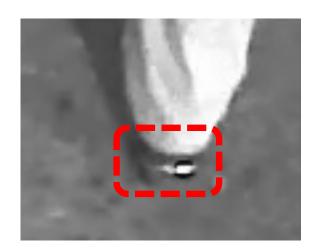
### Defendant's Son's Team Sweatshirt



## Defendant's Shoes













## Closing Argument PowerPoint

# A PERFECT OPPORTUNITY TO USE DIFFERENT TYPES OF VISUAL EVIDENCE TO ESTABLISH THE STRENGTH OF YOUR EVIDENCE

#### COMPARING STATEMENTS TO PHOTOS



McDonald's Surveillance still shot @ 5:43 pm

## USE OF TEXT MESSAGES SHOWING DEFENDANT'S KNOWLEDGE THAT A SHOOTING WAS ABOUT TO GO DOWN

3/10/2016 3:11:10 AM(UTC+0)	From: +17027211832 Eli	Get out the car Source Extraction: File System
3/10/2016 3:12:10 AM(UTC+0)	nicy1005@icloud.com	Source Extraction: File System
3/10/2016 3:12:10 AM(UTC+0)		I can't his rolling Source Extraction: File System

#### 8:12:26 pm, Denver

3/10/2016 3:12:26 AM(UTC+0) From: +17027211832 Eli

w

No

Get out now

Now !!!!!

Source Extraction: File System

The term "after deliberation" means not only intentionally, but also that the decision to commit the act has been made after the exercise of reflection and judgment concerning the act. An act committed after deliberation is never one which has been committed in a hasty or impulsive manner

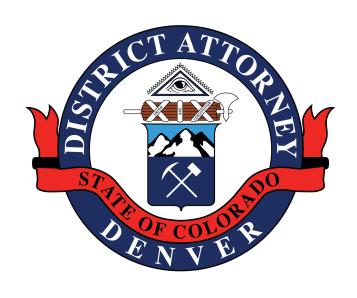
3/10/2016 8:30:39 PM(UTC+0), +17027211832 (Eli @), Deleted You better ask Ellesse baby daddy what my hollows feel like		
Status: Sent Delivered: 3/10/2016 8:31:03 PM(UTC+0)		

Alvin Hunter – Eli Told Him:	Completely Supported by Independent & Physical Evidence
He told me he did the shooting	Ask Ellesse's baby daddy how my hollows feel
Ta'Rell had a .38 in the car	Ta'Rell had a .380 in the car
Walked to the window first and tried to fire	All gunshots in the windows/driver side
9mm Ruger	All were 9mm Ruger shell casings / bullets also consistent
"Jacked" / "popped" one bullet out	1 live round on scene consistent with being ejected from the gun on scene
Hit her first by accident, then decided might as well take her out too	Shots at driver seat hit Bernice because Ta'Rell was so far reclined
Right after it happened he got to his "brother's" job. Was at Cricket.	Mayfield at Cricket on video surveillance after the shooting.



IN-COURT
RECREATIONS
THAT SHOW
DISTANCE AND
SPACE, WHERE
RELEVANT,
CAN BE VERY
EFFECTIVE

# DENVER DISTRICT ATTORNEY'S OFFICE **720-913-9000**



## CATHEE HANSEN DDA/Digital Evidence Specialist

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