INVESTIGATION OF CHILD ABUSE CASES USING TECHNOLOGY DIGITAL EVIDENCE AND SOCIAL MEDIA

ASSOCIATION OF PROSECUTING ATTORNEYS'
CHILD ABUSE PROSECUTION PROJECT'S
SOUTHWEST REGIONAL CONFERENCE ON CHILD ABUSE AND NEGLECT AGENDA

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Things to use to make you job easier and safer

APB.NET aka Trak aka Critical Reach

CALLYO

SNIPPING TOOL

Technology solves crime



Tweets help change manslaughter charge to murder

18-year-old Cody Hall of Calif. is accused of killing a bicyclist while driving 80 in a 40mph zone; boasted on Twitter about how fast he liked to drive

Like	0	y Tweet 0	Share 0	Q +1 0
				5

By Associated Press Staff

PLEASANTON, Calif. — An 18-year-old accused of killing a bicyclist with his car has had a vehicular manslaughter charge upgraded to murder in part because he boasted about speeding on Twitter, prosecutors said Thursday.

Cody Hall, of Pleasanton, was being held without bail after he was charged Wednesday with the murder of 58year-old Diana Hersevoort, the San Francisco Chronicle and Oakland Tribune reported.

000077554444	ricing, product info & discount from top companies.
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Last: *	
Department: *	
Email: *	
Zip Code: *	
Telephone:	
	Get Info

Hall was going more than 80 mph in a 40 mph zone when he hit Hersevoort and her husband along a busy boulevard in Dublin on June 9, prosecutors allege. Hersevoort's husband only broke an arm, but she was killed.

An analysis of Hall's driving record, along with Twitter posts in which he discussed how fast he liked to drive, persuaded prosecutors to change the charge to murder, the Alameda County district attorney's office told the Chronicle.

Prosecutors did not immediately reply to messages left by The Associated Press, and a Twitter account apparently belonging to Hall is restricted from public view.

Brian Welch, a supervisor of the homicide unit at the Santa Clara County district attorney's office who is not involved in this case, told the Tribune that in most circumstances, fatal crashes result in murder charges when the suspect

was recklessly fleeing police or was a drunken driver with previous convictions, not because of something like a Twitter feed.

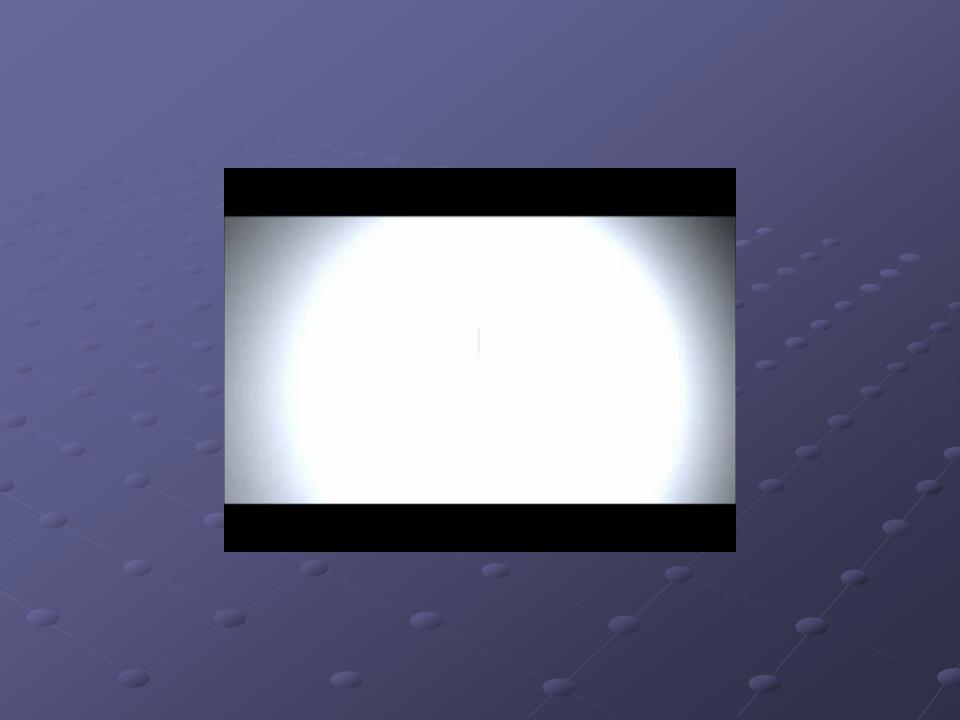
Welch said in this case it is likely the tweets will serve as what's called a "pre-offense statement," often an email, handwritten note or text message, used to bolster prosecutors' attempt to prove malice.

"The challenge in these situations is proving that your defendant is the person who posted the statement," he said.

Neither the newspapers nor The Associated Press could reach an attorney for Hall for comment.

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Smart Meters Gas/Water/Electric





Is there are car associated with your case?







License Plate Readers Types Tools

- Police
- Parking Control
- Malls
- Pods
- Repo drivers

- Stakeout
- Mobile Scanner
- Notifications
- Crime Pattern searches
- Mobile Hot Spots





s bar by selecting ☆, or by getting them from another browser. Import your favorites



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Home > Video Library



Drivers Privacy Protection Act



Get the Facts on ALPR



Vigilant Face Search



Vigilant LineUp



Basics of LPR for Investigations



LPR from Vigilant Solutions: How Law Enforcement Develops Leads



Vigilant Solutions ANPR and Facial Recognition Overview



Vigilant Solutions Facial Recognition Technology Overview

Vehicle System's www.msab.com

Child Abuse!!

- Paired Devices
- Recent Destinations
- Contacts
- Call Logs
- Tracklogs
- TrackPoints

Infotainment Telematics systems What do they look like?





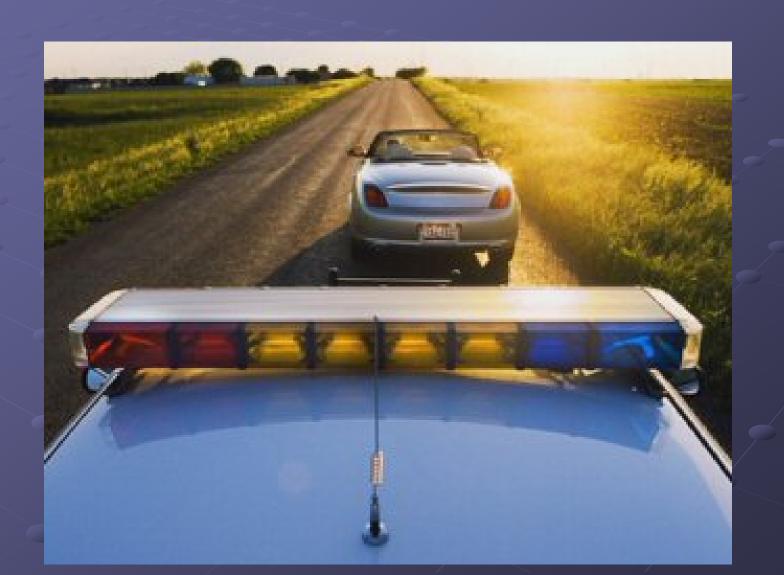
Examples of Vehicle Events

- Gear Shifts
- Lights On/Off
- Doors Open/Close
- USB Attachments
- Bluetooth Devices
- GPS Time Updates
- Odometer Readings
- Phone Calls
- Wi-Fi Connections
- System Reboots



MSAB

Off Line Search



Differences Among Carriers?



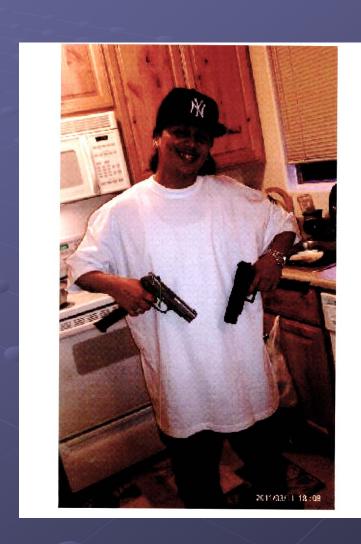








Picture Mail



GOOGLE/APPLE

- Don't overlook getting electronic evidence
- -text message
- -contacts
- -photo's

Managing Your Data:

- Original files
- Modified files
- Consolidation of files
- PDF CSV excel format
- Timestamp problems

Atlantic Journal 6/20/17

YM MAT DEATH

Gym mat death inquiry questioned

FBI report says video analysis concluded targets not near gym.

By Christian Boone

cboone@aic.com

Maarly two was hafened

The analysis, culled from surveillance cameras on the Lowndes High campus, included time stamps that adjusted discrepancies between multiple video systems used by the school. According to the report, those discrepancies were caused by the systems not being synchronized.

Brian Bell, the analysis determined, was en route towards the "D Wing" for class when Johnson was last seen entering the school's



Kendrick Johnson was found dead in a rolled-up gym mat.

group of people willfully violated Kendrick Johnson's civil rights or committed any other prosecutable federal crime." The decision came following more than 100 interviews the review of "tens of thousands" emails and text messages, along with surveillance videos from Lowndes High.

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Call Detail Records

- Bulletins & Press Releases
- Cell Phones
- Crime Alert
- E-mail & Correspondence
- Evidence Processing
- Images, Videos & Recordings
- Interviews
- Search Warrants & Court Orders
- Social Networking Sites
- Tips

- Cell Brite Phone Downloads
- Manipulated
- Master Spreadsheets (DON'T ALTER)
- Original (DON'T ALTER)
- Tracy's Cell Phone Analysis

Cell Phone Analysis:

- Call detail
- Common Call Breakdown
- Text messages
- Cell Phone Towers
- "Human readable" locations
- Locations mapped in google earth
- Joining call detail records
- EXIF Data

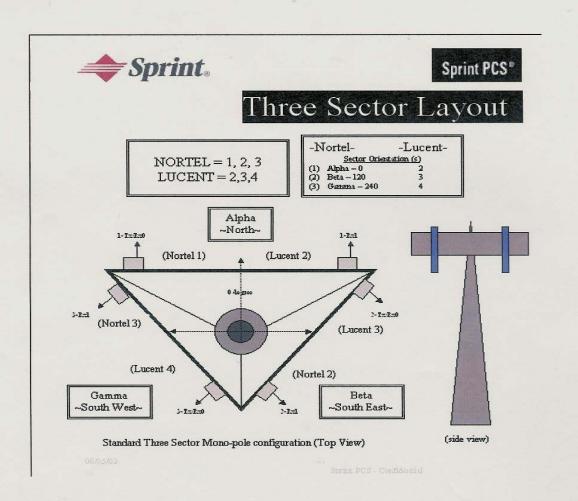
Text Messages from phone download

1780	+19162732577	N/A	N/A	N/A	Sent	Outgoing	Im in west sac already man we just got pulled over hold up
1781	9166132835	N/A	N/A	N/A	Sent	Outgoing	Were taking the cuts
1782	+19162732577	N/A	N/A	N/A	Sent	Outgoing	No we just got to west sac i want to go home this Shit was not worth it but some Shit happen over there so they aint tryin to leave rite now cuz we just got here they aint tryin to be in the south rite now cuz some Shit but all hit u up in a min to tell u wats going to happen okay.
1783	+19162732577	N/A	N/A	N/A	Sent	Outgoing	All try but we just got here were going to try n have Elena come get us

No-tech way to retrieve messages

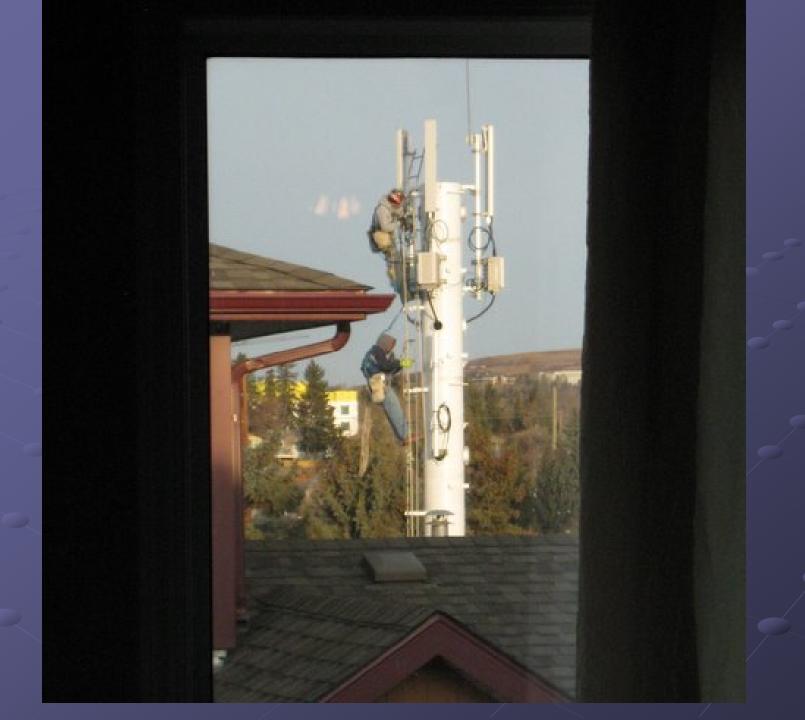
Da chapas pas3d talk!n sh!t 2 my br0 sayin sk dimOns. Fri, Jan 11 11:45PM Call back #:

SPRINT CELL TOWER









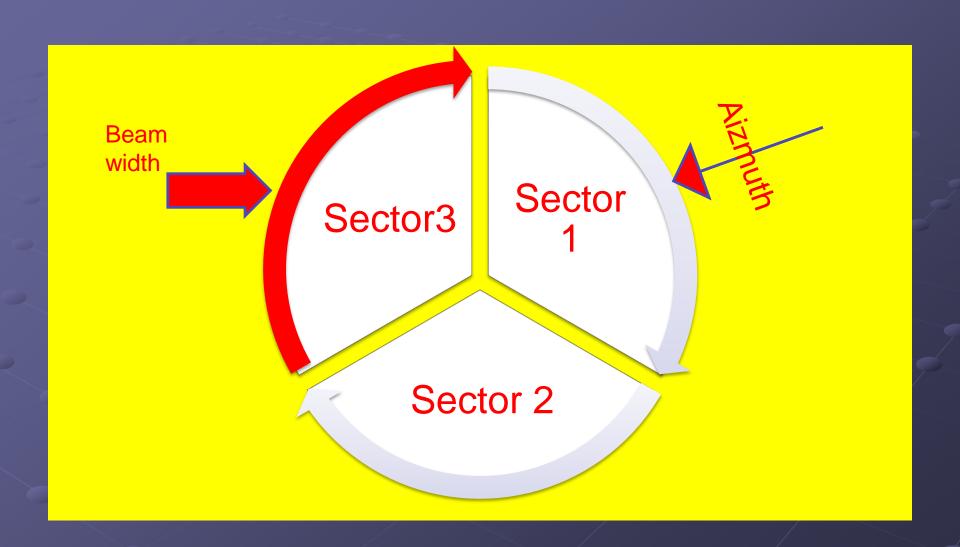
Tower list

SWITCH	CELL	SECTOR	AZIMUTH	Beamwidth	ADDRESS	CITY	COUNTY	STATE	ZIP	ANT_LAT	ANT_LONG
					242 N. Sutter		San				
Sacramento	1	1	15	120	St	Stockton	Joaquin	CA	95202	37.95625	-121.286333
					242 N. Sutter		San				
Sacramento	1	2	169	60	St	Stockton	Joaquin	CA	95202	37.95625	-121.286333
					242 N. Sutter		San				
Sacramento	1	. 3	280	80	St	Stockton	Joaquin	CA	95202	37.95625	-121.286333

Terms

Azimuth is midpoint of a sector.

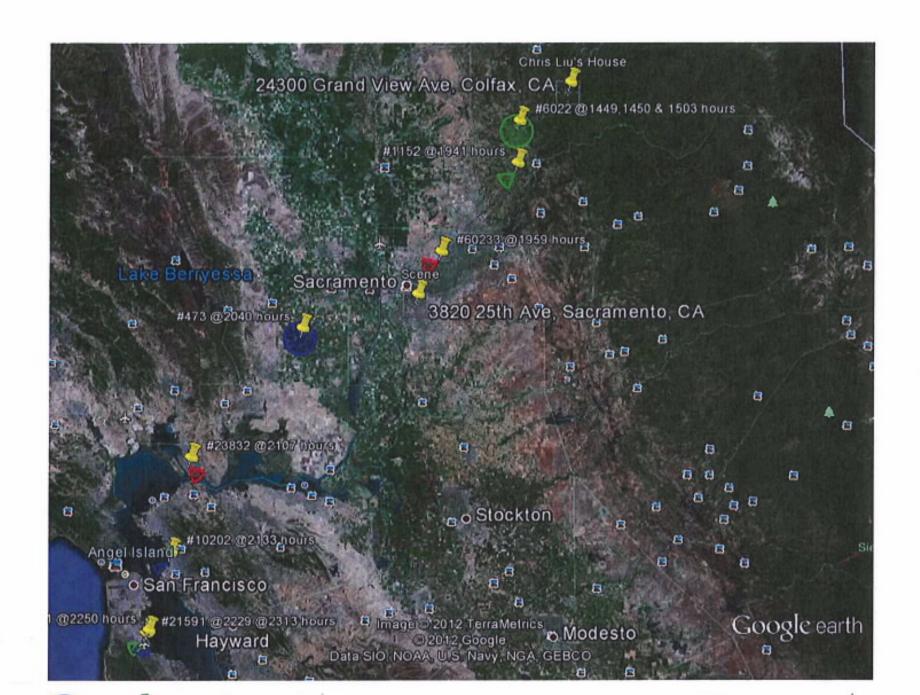
 A sector is a generally 120 degree. So a tower with an Azimuth of 210 means the sector goes minimally from 150 degrees to 270 degrees

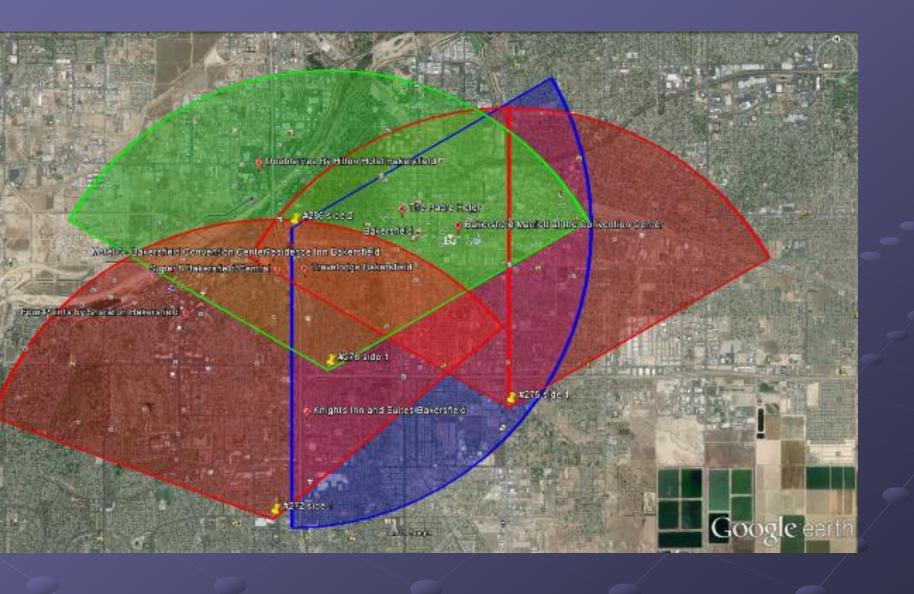


Mapping tool

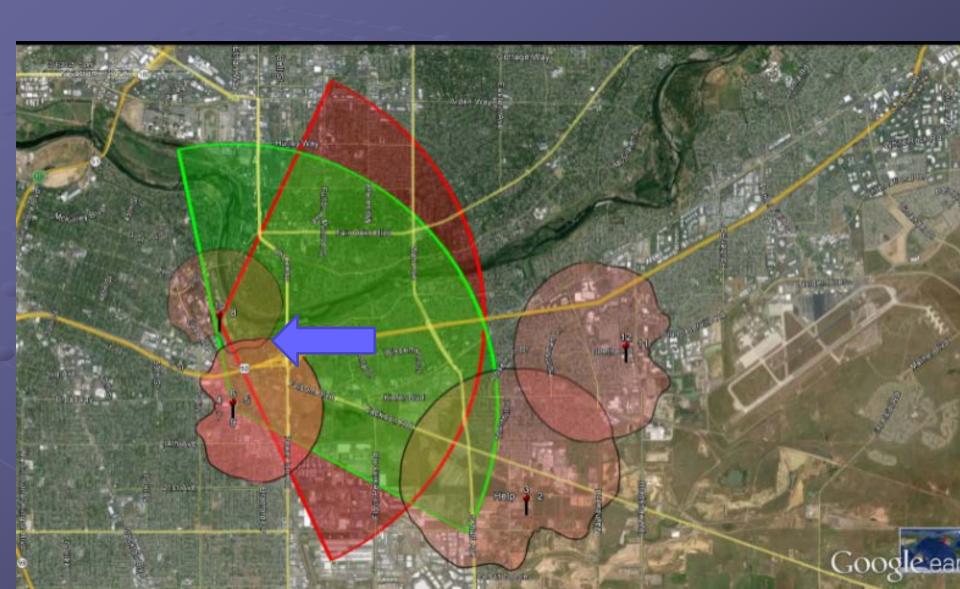
Send Keith an email for the program

Keith.Lyon@doj.ca.gov





Combo maps-Zetx and Keith



Innovative Use of Cell Phone

- Records:
 Cell phone tower dumps
 - Call destination order (reverse order)
 - Hemisphere-Locate old/new cell phone number keeps records for up to 10 years of calls routed through AT&T

More Innovative Use of CDR's

Call Frequency Analysis

Location Frequency Analysis

Average/Total calls to specific phones

Top calls

Case Studies

James Riggins

Chu Vu

James Riggins 187

- Court orders for call detail records for 20 people
- 8 validated Diamonds members
- 10,000 text messages
- 2000 phone calls
- 500 calls mapped



Challenges dealing with multiple Cell phone records

- Timestamp discrepancies on call detail records
- Metro PCS saves text messages for (45) days. Verizon stores for 3-5 days but will only release with a search warrant. Sprint/ Nextel, T-Mobile and AT& T do not store text messages. Cell phone download from the phone itself may help fill in gaps..
- Trying to organize multiple records from different phone carriers chronologically

Excel

Control F-Find

<u>Excel spreadsheet</u>

E. Perez Cell Phone (T-Mobile)

TIME	IN/OUT	TOWER	TO/FROM	TYPE	DURATION
04:14	IN	5663 Franklin Blvd	424-5873	CALL	60
04:15	IN	5663 Franklin Blvd	457-5067	CALL	60
04:16	IN	4520 FRANKLIN BLVD	271-7238	CALL	360
04:21	OUT	3961 W. CAPITOL	CRYSTAL	CALL	300
04:22	IN	-	271-7238	TXT	-
04:25	IN	-	271-7238	TXT	-
04:27	IN	3961 W. CAPITOL	271-7238	CALL	60
04:27	OUT	3961 W. CAPITOL	VOICEMAIL	CALL	120
04:29	OUT	1100 TRIANGLE CT	CRYSTAL	CALL	60
04:29	OUT	1100 TRIANGLE CT	CRYSTAL	CALL	60
04:29	OUT	1100 TRIANGLE CT	CRYSTAL	CALL	60
04:30	IN	-	271-7238	TXT	-
04:31	OUT	1100 TRIANGLE CT	CRYSTAL	CALL	60
04:31	OUT	917 WEST JEFFERSON	RIGGINS	CALL	120
04:33	OUT	3961 W. CAPITOL	CRYSTAL	CALL	60
04:34	OUT	3961 W. CAPITOL	CRYSTAL	CALL	180
04:38	IN	1100 TRIANGLE CT	271-7238	CALL	660
04:47	IN	6779 Q ST	470-7776	CALL	120
04:49	IN	-	271-7238	TXT	-
04:58	IN	6950 21st Ave	470-7776	CALL	120
04:59	IN	-	271-7238	TXT	-
05:00	OUT	3855 14th AVE	470-7776	CALL	180
05:08	OUT	-	271-7238	TXT	-
05:09	IN	-	271-7238	TXT	-
05:11	OUT	-	271-7238	TXT	-
05:15	IN	-	271-7238	TXT	-
05:16	OUT	-	271-7238	TXT	-

Stephenson Cell Phone (Metro)

TIME	IN/OUT	TOWER	TO/FROM	TYPE	DURATION
23:52	IN	-	613-4549	CALL	0
23:53	OUT	ARDEN/BELL	707-301-6841	CALL	29
23:53	IN	-	613-4549	CALL	0
23:53	OUT	ARDEN/BELL	459-8536	CALL	34
23:54	OUT	ARDEN/BELL	459-8536	CALL	3
23:54	OUT	ARDEN/BELL	459-8536	CALL	54
23:56	OUT	111 SCRIPPS DR	613-4549	CALL	3
23:56	OUT	111 SCRIPPS DR	459-8536	CALL	20
23:58	OUT	8180 FOLSOM BLVD	459-8536	CALL	33
23:58	IN	-	707-301-6841	CALL	0
23:58	OUT	-	459-8536	CALL	3
23:58	OUT	POWER INN/ FOLSOM BLVD	707-301-6841	CALL	24
23:59	OUT	-	CRYSTAL	CALL	5
23:59	IN	POWER INN/ FOLSOM BLVD	CRYSTAL	CALL	70
23:59	IN	POWER INN/ FOLSOM BLVD	707-301-6841	CALL	57
0:01	IN	POWER INN/ FOLSOM BLVD	CRYSTAL	CALL	80
0:03	OUT	POWER INN/ FOLSOM BLVD	459-8536	CALL	33
0:04	IN	POWER INN/ FOLSOM BLVD	459-8536	CALL	40
0:06	OUT	1771 1/2 SANTA YNEZ WAY	707-301-6841	CALL	13
0:06	OUT	1771 1/2 SANTA YNEZ WAY	CRYSTAL	CALL	59
0:07	OUT	1771 1/2 SANTA YNEZ WAY	459-8536	CALL	37
0:08	OUT	1771 1/2 SANTA YNEZ WAY	459-8536	CALL	29
0:08	OUT	1829 22ND ST	613-4549	CALL	22
0:10	IN	1120 SHORE ST W.SAC	613-4549	CALL	27
0:11	OUT	1120 SHORE ST W.SAC	CRYSTAL	CALL	0
0:11	OUT	1120 SHORE ST W.SAC	CRYSTAL	CALL	47
0:12	OUT	1120 SHORE ST W.SAC	459-8536	CALL	33
0:13	IN	-	459-8536	CALL	0
0:13	IN	1120 SHORE ST W.SAC	459-8536	CALL	105
0:15	IN	1120 SHORE ST W.SAC	CRYSTAL	CALL	36
0:16	IN	-	459-8536	CALL	0
0:17	IN	1120 SHORE ST W.SAC	799-0481	CALL	36
0:19	OUT	1120 SHORE ST W.SAC	613-2815	CALL	2

M. Perez Cell Phone (T-Mobile)

TIME	IN/OUT	TOWER	TO/FROM	TYPE	DURATION
22:44	OUT	5802 STOCKTON	RIGGINS	CALL	60
22:51	OUT	5802 STOCKTON	RIGGINS	CALL	180
23:19	OUT	1811 22ND ST	BRONSON	CALL	60
23:20	OUT	2021 W ST	BRONSON	CALL	60
23:32	OUT	3855 14TH AVE	613-4549	CALL	60
23:57	OUT	6451 POWER INN RD	613-4549	CALL	120
23:59	OUT	7337 POWER INN RD	613-4549	CALL	60
0:00	OUT	6450 STOCKTON	BRONSON	CALL	60
0:01	OUT	7310 HOME LEISURE PLAZA	BRONSON	CALL	120
0:03	OUT	3425 51ST AVE	BRONSON	CALL	180
0:06	OUT	_	ELENA PEREZ	TEXT	
0:08	IN	3341 LANATTE ST	BRONSON	CALL	60
0:13	IN	1811 22ND ST	BRONSON	CALL	60
0:16	OUT	917 JEFFERSON, W SAC	613-4549	CALL	60
0:17	OUT	3961 W CAPITOL, W SAC	BRONSON	CALL	60
0:21	OUT	_	BRONSON	TEXT	
0:25	OUT	3961 W CAPITOL, W SAC	BRONSON	CALL	60
0:26	OUT	1100 TRIANGLE CT	613-4549	CALL	180
0:36	OUT	1100 TRIANGLE CT	613-4549	CALL	60
0:58	OUT	917 JEFFERSON	273-2782	CALL	120
1:25	IN	_	ELENA PEREZ	TEXT	
1:27	IN	_	ELENA PEREZ	TEXT	
2:00	IN	917 JEFFERSON	RIGGINS	CALL	120

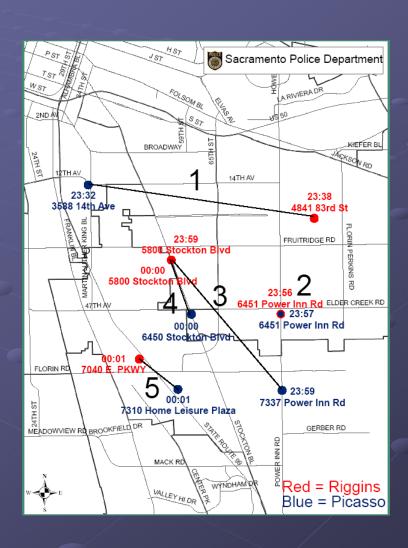
Riggins Cell Phone (AT&T)

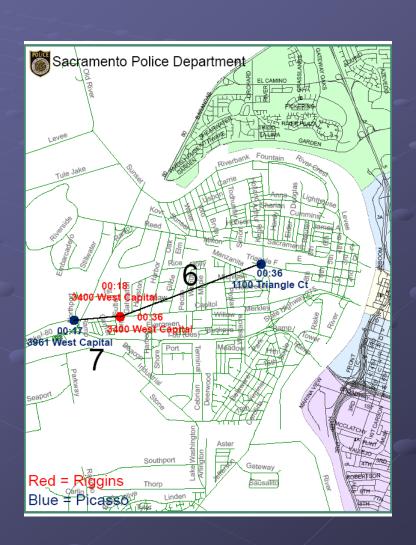
TIME	IN/OUT	TOWER	TO/FROM	TYPE	DURATION
23:16	IN	1708 59TH ST	TONY	CALL	119
23:19	IN	-	459-8536	CALL	49
23:27	IN	6771 ELVAS	BRONSON	CALL	32
23:36	IN	-	MARIA ROJAS	TEXT	_
23:38	IN	4841 83RD ST	MARIA ROJAS	CALL	37
23:40	IN	4841 83RD ST	MARIA ROJAS	TEXT	-
23:43	IN	4841 83RD ST	MARIA ROJAS	TEXT	-
23:45	IN	4841 83RD ST	MARIA ROJAS	CALL	9
23:45	IN	5800 STOCKTON	MARIA ROJAS	TEXT	-
23:47	IN	6771 ELVAS	MARIA ROJAS	TEXT	-
23:53	IN	4841 83RD ST	MARIA ROJAS	TEXT	_
23:54	IN	6451 POWER INN	BRONSON	CALL	0
23:56	OUT	6451 POWER INN	CAMACHO MOM	CALL	0
23:59	OUT	5800 STOCKTON	BRONSON	CALL	4
0:00	IN	5800 STOCKTON	BRONSON	CALL	0
0:01	OUT	7040 EAST PARKWAY	BRONSON	CALL	39
0:07	IN	_	BRONSON	CALL	0
0:18	IN	3400 W CAPITOL	786-9481	CALL	0
0:21	IN	3400 W CAPITOL	BRONSON	CALL	118
0:36	IN	3400 W CAPITOL	LISA JIMENEZ	CALL	58
1:21	IN	3400 W CAPITOL	CAMACHO MOM	CALL	128

Cell Phones Combined

TIME	IN/OUT	TOWER	TO/FROM	TYPE	DURATION
23:36	IN	-	MARIA ROJAS	TEXT	_
23:36	OUT	S/W JOHNSTON PARK	968-2395	CALL	35
23:37	OUT	S/W JOHNSTON PARK	968-2395	CALL	33
23:38	IN	4841 83RD ST	MARIA ROJAS	CALL	37
23:38	OUT	3301 FONG RANCH RD	968-2395	CALL	57
23:40	IN	4841 83RD ST	MARIA ROJAS	TEXT	_
23:40	IN	S/W JOHNSTON PARK	613-4549	CALL	25
23:42	OUT	3301 FONG RANCH RD	613-4549	CALL	35
23:43	IN	4841 83RD ST	MARIA ROJAS	TEXT	_
23:45	IN	4841 83RD ST	MARIA ROJAS	CALL	9
23:45	IN	5800 STOCKTON	MARIA ROJAS	TEXT	_
23:47	IN	6771 ELVAS	MARIA ROJAS	TEXT	_
23:52	OUT	ARDEN/BELL	613-4549	CALL	10
23:52	OUT	ARDEN/BELL	613-4549	CALL	3
23:52	IN	-	613-4549	CALL	0
187	187	187	187	187	187
23:53	IN	4841 83RD ST	MARIA ROJAS	TEXT	_
23:53	OUT	ARDEN/BELL	707-301-6841	CALL	29
23:53	IN	-	613-4549	CALL	0
23:53	OUT	ARDEN/BELL	459-8536	CALL	34
23:54	IN	6451 POWER INN	BRONSON	CALL	0
23:54	OUT	ARDEN/BELL	459-8536	CALL	3
23:54	OUT	ARDEN/BELL	459-8536	CALL	54
23:56	OUT	6451 POWER INN	CAMACHO MOM	CALL	0
23:56	OUT	111 SCRIPPS DR	613-4549	CALL	3
23:56	OUT	111 SCRIPPS DR	459-8536	CALL	20
23:57	OUT	6451 POWER INN RD	613-4549	CALL	120
23:58	OUT	8180 FOLSOM BLVD	459-8536	CALL	33
23:58	IN	-	707-301-6841	CALL	0
23:58	OUT	-	459-8536	CALL	3
23:58	OUT	POWER INN/ FOLSOM BLVD	707-301-6841	CALL	24
23:59	OUT	5800 STOCKTON	BRONSON	CALL	4
23:59	OUT	7337 POWER INN RD	613-4549	CALL	60
23:59	OUT	_	CRYSTAL	CALL	5

Time stamps on map





Movement Timeline

	Riggins		Picasso
23:38	4841 83rd St	23:32	3855 14th Ave
23:52	187	23:52	187
23:56	6451 P.I. Rd	23:57	6451 P.I. Rd
23:59	5800 Stockton	23:59	7337 P.I. Rd
00:00	5800 Stockton	00:00	6450 Stockton
00:01	7040 E. PKWY	00:01	7310 Home Leisure Plaza
			2
00:18	3400 W. Capital	00:17	3961 W. Capital
00:36	3400 W. Capital	00:36	1100 Triangle Ct

Combined Text Messages

1/12/2008 00:12	9168560612	LISA	Wit us dancin
1/12/2008 00:13	LISA	9168560612	0 ok
			Are you serious Cuz some one shoot the people in front of my
1/12/2008 00:14	9163468837	EVETTE	aunts house and two people died
1/12/2008 00:16	9163468837	TONY	"Hey tony where you at text me back.
1/12/2008 00:16	LISA	9168560612	Wts good after da club
1/12/2008 00:17	9168560612	LISA	Party
1/12/2008 00:18	LISA	MARIA ROJAS	Awww Think bout it he wit his niggas so he tryn 2 show off
1/12/2008 00:18	LISA	9168560612	K is it crackn ova dere
1/12/2008 00:21	MARIA/CRYSTAL	BRONSON	Were taking the cuts
1/12/2008 00:21	9168560612	LISA	Hit me wfm u leave
			I dnt give a fuck that hella hurt nigga I mean dummy ass hurt
			fuck it I'm guna have my famz cum pix me up I anit tring 2 stand
1/12/2008 00:22	MARIA ROJAS	LISA	here by myself
1/12/2008 00:23	MARIA ROJAS	LISA	I look hella stupid standing her byself
1/12/2008 00:23	9168560612	LISA	Yeah
			Dont say nothn 4realz cuzzn ther skrap cuzzn they need 2 get out
1/12/2008 00:26	TONY	9163468837	the hood dont tell anyl cuzzn
1/12/2008 00:26	9168560612	LISA	Smakn
1/12/2008 00:27	9163468837	TONY	Your hella dumb You did it
			Me and art and trouble said he waz going 2 get them 2 bt i hit
1/12/2008 00:28	TONY	JESSICA BRUNO	somel man i dont even noe wt 2 do man
			Me and art and trouble said he waz going 2 get them 2 bt i hit
1/12/2008 00:28	TONY	JESSICA BRUNO	somel man i dont even noe wt 2 do man
			Just dont sayn noting 4realz nigga cuz if they find out i gone
1/12/2008 00:29	TONY	9163468837	cuzzn
1/12/2008 00:31	9163468837	TONY	Did you do it or your cousins
1/12/2008 00:32	9166288582	TONY	tHEY PROLLY AINT GUNNA FIND OUT.DID ANYWUN SEE YOU? .MRz.bRUNO.
			Nigga i just talk 2 u about that when i see man bt dont say
1/12/2008 00:32	TONY	9163468837	nothing about any thing
1/12/2008 00:34	9163468837	TONY	Na nikkah real talk who shoot i won't say anything
			MAN.tROUbLEz pHONEz tURNEd Off NOW.i HOPE NOthin HAPPENEd.
1/12/2008 00:35	9166288582	TONY	.MRz.bRUNO.
1/12/2008 00:35	EVETTE	9163468837	Na it nt tony cuz he wit my cuzn n rosemont
			Man i dont even noe they just stop me cuz im a D boy but they
1/12/2008 00:36	TONY	9166288582	would find out later

Steve Lo 187









Burner phones



Combined CDR's

	,-,				
Mobile to Mobile	10/8/08 15:00	3033304429	15127396821	173	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : C :200
Local Call	10/8/08 15:00	3033304429	15127396821	198	4140 WINDY COVE DRIVE SACRAMENTO CA : A :80
ce Mail Deposit	10/8/08 15:31	6127471542	16128394003	8	#N/A
Mobile to Mobile	10/8/08 15:31	6127471542	16516051987	0	6848 LEE AVENUE NORTH BROOKLYN CENTER MN : A :
Mobile to Mobile	10/8/08 15:33	6516051987	16127471542	4711	2523 WABASH AVENUE SAINT PAUL MN : A :
Mobile to Mobile	10/8/08 15:37	5127396821	13033304429	32	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : C :200
Local Call	10/8/08 15:38	5127396821	13033304429	0	8450 STOCKTON BOULEVARD ELK GROVE CA : C :200
Mobile to Mobile	10/8/08 15:38	6516051987	16127471542	0	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : C :200
Mobile to Mobile	10/8/08 15:45	6127471542	16516051987	666	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : C :200
ce Mail Deposit	10/8/08 15:56	6512367295	16128394003	3	#N/A
Mobile to Mobile	10/8/08 15:56	6512367295	16512367439	0	1361 TROUT BROOK CIRCLE SAINT PAUL MN : C :330
Mobile to Mobile	10/8/08 15:56	6127471542	16516051987	0	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : C :200
Mobile to Mobile	10/8/08 15:57	6516051987	16127471542	0	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : C :200
Mobile to Mobile	10/8/08 15:57	6127471542	16516051987	246	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : C :200
Mobile to Mobile	10/8/08 16:06	6516051987	16127471542	28	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : C :200
Local Call	10/8/08 16:12	3033304429	15127396821	37	8450 STOCKTON BOULEVARD ELK GROVE CA : C :200
Mobile to Mobile	10/8/08 16:12	3033304429	15127396821	0	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : C :200
Mobile to Mobile	10/8/08 16:13	3033304429	15127396821	110	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : C :200
Local Call	10/8/08 16:13	3033304429	15127396821	125	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : A :80
ce Mail Deposit	10/8/08 16:34	6512367295	16128394003	3	#N/A
Mobile to Mobile	10/8/08 16:34	6512367295	16512367439	0	1361 TROUT BROOK CIRCLE SAINT PAUL MN : C :330
ce Mail Deposit	10/8/08 16:38	5127396821	19703719275	4	#N/A
ce Mail Deposit	10/8/08 16:47	6512367295	16128394003	5	#N/A
Mobile to Mobile	10/8/08 16:47	6512367295	16512367439	0	1361 TROUT BROOK CIRCLE SAINT PAUL MN : C :330
Mobile to Mobile	10/8/08 17:37	6516051987	16127471542	35	6848 LEE AVENUE NORTH BROOKLYN CENTER MN : A :90
ce Mail Deposit	10/8/08 17:38	6516051987	16128394003	7	#N/A
ce Mail Deposit	10/8/08 17:38	6512367295	16128394003	3	#N/A
Mobile to Mobile	10/8/08 17:38	6512367295	16512367439	0	1361 TROUT BROOK CIRCLE SAINT PAUL MN : C :330

#	TOWER LOCATION - 3033304429					
103	4140 WINDY COVE DRIVE SACRAMENTO CA : A :80					
48	8780 KAMMERER ROAD ELK GROVE CA : C :200					
36	3307 HOOD FRANKLIN ROAD ELK GROVE CA: C:200					
24	10035 ATKINS DRIVE ELK GROVE CA : C :200					
21	1415 47TH AVENUE SACRAMENTO CA : C :200					
18	9911 TWIN CITIES ROAD GALT CA: B:320					
17	4551 MACK ROAD SACRAMENTO CA : C :200					
12	7464 FRENCH ROAD SACRAMENTO CA : C :200					
8	1415 47TH AVENUE SACRAMENTO CA : C :					
8	MACK ROAD AND LA MANCHA SACRAMENTO CA: C:200					
7	3248 DWIGHT ROAD ELK GROVE CA: A:80					
7	7040 EAST PARKWAY SACRAMENTO CA: A:80					
7	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA : A :80					
6	7788 FREEPORT BOULEVARD SACRAMENTO CA: A:80					
5	6451 POWER INN ROAD SACRAMENTO CA: C:200					
5	7788 FREEPORT BOULEVARD SACRAMENTO CA : C :200					
4	3307 HOOD FRANKLIN ROAD ELK GROVE CA: A:80					
4	4140 WINDY COVE DRIVE SACRAMENTO CA: B:320					
4	7788 FREEPORT BOULEVARD SACRAMENTO CA: B:320					
4	8450 STOCKTON BOULEVARD ELK GROVE CA: C:200					
3	10035 ATKINS DRIVE ELK GROVE CA: A:80					
3	2460 MARITIME DRIVE ELK GROVE CA: B:320					
3	3248 DWIGHT ROAD ELK GROVE CA: B:320					
3	817 YETTNER ROAD FRENCH CAMP CA: A:80					
3	MACK ROAD AND LA MANCHA SACRAMENTO CA: B:320					
2	216 BANNON STREET SACRAMENTO CA: B:340					
2	3525 MANTHEY ROAD FRENCH CAMP CA : C :200					
2	4140 WINDY COVE DRIVE SACRAMENTO CA : C :200					
2	9270 BRUCEVILLE ROAD ELK GROVE CA: B:0					
2	JACINTO AVENUE AT CULPEPPER SACRAMENTO CA: B:320					
1	10698 BARBER ROAD GALT CA : A :					

Tower Location Frequency Analysis

Call Frequency Analysis

Į				
	ORIGIN	CELL NUMBERS	#	96
	3033304429	3039902743	279	49.38%
	3033304429	5127396821	152	26.90%
	3033304429	9703719275	85	15.04%
I	3033304429	9168324811	12	2.12%
	3033304429	9166012147	11	1.95%
	3033304429	9168334276	9	1.59%
	3033304429	73000	2	0.35%
	3033304429	2036085000	2	0.35%
	3033304429	2077234363	2	0.35%
	3033304429	3032580316	2	0.35%
	3033304429	5053272741	2	0.35%
	3033304429	5127396871	2	0.35%
	3033304429	6096623256	2	0.35%
	3033304429	5127396021	1	0.18%
	3033304429	7277123461	1	0.18%
	3033304429	9703719276	1	0.18%
ſ				

Call Duration Frequency Analysis

ORIGIN	#	DURATION	96
3033304429	3039902743	43883	64.45%
3033304429	5127396821	22022	32.34%
3033304429	9168334276	933	1.37%
3033304429	9168324811	489	0.72%
3033304429	9703719275	432	0.63%
3033304429	9166012147	175	0.26%
3033304429	5127396871	63	0.09%
3033304429	7277123461	18	0.03%
3033304429	5127396021	15	0.02%
3033304429	2036085000	11	0.02%
3033304429	2077234363	11	0.02%
3033304429	6096623256	11	0.02%
3033304429	5053272741	10	0.01%
3033304429	9703719276	7	0.01%
3033304429	3032580316	6	0.01%
3033304429	73000	2	0.00%
		1	

New Methods/Ideas

• FBI CAST Team can respond with JDSU Equipment to do a street by street real time test of a sector to determine the real versus theoretical areas.

New things to ask for:

Ask for location data for all network traffic

Do they have interim cell sites?

Historical GPS Information

Verizon-RTT (Real Time Tool) 7-10 days gives location info for all activity including long/latitude

Sprint-Per call measurement detail

AT&T-Nelos

PCMD from Sprint

					PHON E					
		PHONE NUMBER	PHONE NUMBER	PHONE NUMBER	NUMB ER	Sector	Distance from tower	Latitude	Longitutde	
2	510691xxx x	a000001256xx xx	12/07/11 6:38:05 AM	1	100	2	0.84	37.934871	- 122.343885 2	SF36XC011
	510691xxx x		12/07/11 6:38:26 AM	16	100	2	0.84	37.9355134	- 122.352267 7	SF36XC011
	510691xxx x	a000001256xx xx	12/07/11 10:22:37 AM	42	243	3	0.65	37.9596799 3	- 122.366335 2	SF73XC404
	510691xxx x		12/07/11 12:56:57 PM	30	243	3	0.35	37.954318	- 122.362239 3	SF73XC404
	510691xxx x		12/07/11 12:57:33 PM	20	243	3	0.46	37.9534927 4	- 122.364051 9	SF73XC404
	510691xxx x	a000001256xx xx	12/07/11 1:12:03 PM	26	243	3	0.50	37.9532180 4	- 122.364655 3	SF73XC404
		a000001256xx xx	12/07/11 1:12:13 PM	5	0	0				
	510691xxx x	a000001256xx xx	12/07/11 1:15:54 PM	51	243	3	0.43	37.9537675 7	- 122.363448 3	SF73XC404

- Verizon Wireless RTT Report and Round Trip Delay Disclaimer:
- The latitude and longitude measurements on the Real Time Tool "RTT" report are derived solely from the Round Trip Delay measurement. They are best estimates and are not related to any GPS measurement. Measurements with a high confidence factor may be more accurate than measurements with a low confidence factor, but all measurements contained on this report are the best estimates available rather than precise location.

Nelos from At&t

1642758 11/07/2014 NELOS

LOCATION THFORMATION

The results provided are AT&T's best estimate of the location of the target number. Please exercise caution in using these records for investigative purposes as location data is sourced from various databases which may cause location results to be less than exact.



Run Date: 11/07/2014 Run Time: 22:33:35 Nelos Umage For: (916)329-5241

	Item	IMSI/Phone Number	Connection Date	Connection Time (GMT)	Longitude	Latitude	Location Accuracy
I	54988	310410708101548	2014-08-04	13:26:20	-121.263687	37.908594	7
I	54989	310410708101548	2014-08-04	13:11:01	-121.270527	37.910259	1
I	54990	310410708101548	2014-08-04	13:08:23	-121.268376	37.912032	6
ı	54991	310410708101548	2014-08-04	12:01:34	-121.456953	38.643813	5
ı	54992	310410708101548	2014-08-04	10:01:36	-121.457268	38.644155	4
ď	E4003	310410708101548	2014-08-04	10-01-36	-121 457268	221443 86	4

11/07/2014

Location Accuracy Key



Location Accuracy:

0 Location accuracy unknown

1 Location accuracy likely better than 25 meters

2 Location accuracy likely better than 50 meters

3 Location accuracy likely better than 100 meters

4 Location accuracy likely better than 200 meters

5 Location accuracy likely better than 300 meters

6 Location accuracy likely better than 400 meters

7 Location accuracy likely better than 600 meters

8 Location accuracy likely better than 1000 meters

9 Location accuracy likely better than 1500 meters

10 Location accuracy likely better than 2500 meters

11 Location accuracy likely better than 5000 meters

12 Location accuracy likely better than 10000 meters 13 Location accuracy likely better than 25000 meters

Track people via Social Media/Websites

What can you get from these companies?



Time 2016-09-05 15:41:07 UTC

Latitude 38.6596713 Longitude -121.3625715

Cell Tracking/Technology

http://www.advancedcelltrackingsystems.co m

www.hawkanalytics.com

Gis mapping/Arcsoftware

Callyo.com

New Problems for Law Enforcement

- Skype on smartphones
- Spoofing /swatting
- "Jailbroken" phones
- Google Voice
- TrueCrypt (encryption)
- Trapcall
- Burnerapp.com





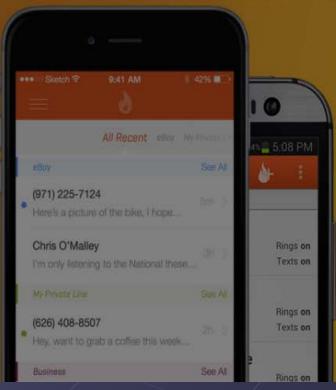
One Phone, Many Lives

Burner is a privacy layer for your phone. Create unlimited numbers at the touch of a button, and keep your personal number private.

Now featuring MMS!







Resources

"Tel-Tales" rlottero@leo.gov

FBI CAST (Cellular Analysis Survey Team or CAST@ic.fbi.gov

Resources

TLO/LPPOLICE/clear/accurint

Issworldtraining.com

Askcalea.net

NDCAC-National Domestic Communication Assistance Center

• 540-361-2340 or email AskNDCAC@ic.fbi.gov

and ask for application list

Resources

Law Enforcement

Technology Investigations Resource Guide ®

GUIDELINES FOR SEIZING
MOBILE DEVICES



CLICK HERE TO
REQUEST THE MOST CURRENT
VERSION OF THIS GUIDE

CURRENT VERSION: April 10th, 2017

Law Enforcement Technology Investigations Resource Guide ©

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TechnologyResourceGuide@gmail.com

This guide is intended to be used in its original electronic format (pdf). This allows for connections to live links and the most current material.

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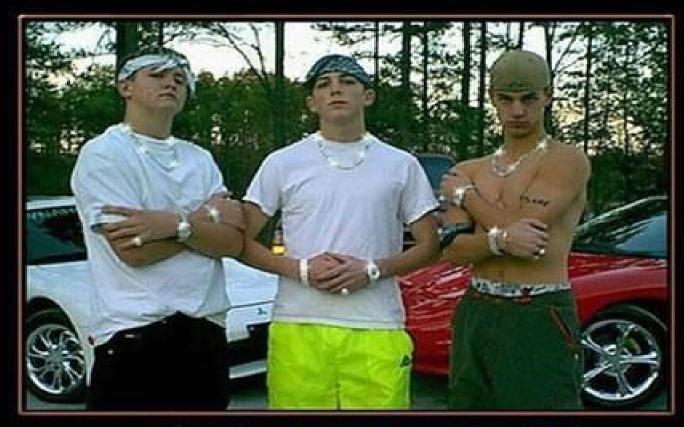
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Colin Fagan, CFCE



Pinterest





INTERNET

IT DOESN'T MAKE YOU STUPID, IT JUST MAKES
YOUR STUPIDTLY MORE ACCESSIBLE TO OTHERS

SOCIAL NETWORKING SITES



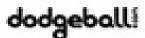




















facebook

FACEBOOK

BECAUSE IT'S FUN TO PRETEND THAT 500 PEOPLE YOU HAVEN'T SEEN IN YEARS GIVE A CRAP ABOUT YOU

on which have a man

BAILEY BANKS & BIDDLE

SEARCH Full Text | Tags Only



TWITTER

Allowing celebrities to make ridiculous statements they'll regret the next day.



FLICKR

Reliving your drunken escapades one album at a time.

What is "Social Networking?"

- Online Social Networking is the grouping of individuals into specific groups, like small rural communities or a neighborhood subdivision
- Amazingly, Social Networking used to be done in person.
- Now, internet + technology = millions of individuals who are able to develop friendships, business relationships, etc.







SOCIAL MEDIA

INFORMATION CREATED BY PEOPLE USING HIGHLY ACCESSIBLE AND SCALABLE PUBLISHING TECHNOLOGY.

Translation: All the super important stuff people think you need to see and know about them

THE TIME BEFORE SNS

- Forums, websites, blogs, mailing list, e-groups.
- Not as easy to start a conversation
- People don't trust you
- Anonymity / hide ourselves
- Used avatars and usernames



"On the Internet nobody knows you're a dog"

SOCIAL NETWORKING SITES ARE BORN

- Build profiles
- look for friends and family
- be updated on events / trends / happenings
- find a partner
- build their network
- entertainment
- shopping
- marketing
- to learn
- BOASTING!

Social Networking by age group





FOR KIDS:



- Online gamingChatting with friends
- -Place to complete work with
 - classmates









TEENS:



- -Online gaming
- -Hang out place

-Increased social commenting and media posting:

- -twitter
- -instagram
- -facebook

twitter*	The state of the s
Follow your interests	
	Africa -
	Cred
	Palament
	Signite







ADULTS:



- -Social utility
- -Re-connecting
- -Career Networking
 - -LinkedIn
 - -facebook

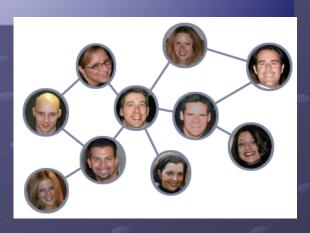


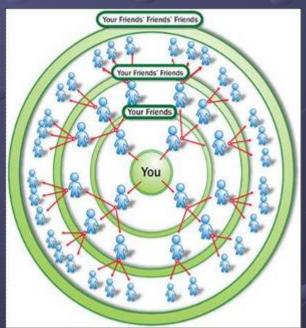


Pros of Social Networking

<u>Sites</u>

- Interpersonal communication is simpler, and allows people to remain connected.
- Meeting new people is easy, and more common.
- Learning about the world around you is instantaneous and convenient





Negatives of Social Networking

- Many 'wall posts' can be misinterpreted.
- Less and less personal contact/communication.
- It can affect current or potential employment.
 NYPD Training Day example
- 'Friends' may not always be who they say they are.





CHAT ROOMS



Hi. You sound real cute!! How old are you and what do you like doing after school?



I am 14 and a bit of a fitness fanatic, I often go power lifting after school.



Security Of SNS

 Once you post on a social networking site, it's relatively easy for people to find it.





 Once you post any media or personal information, some sites claim ownership of that information



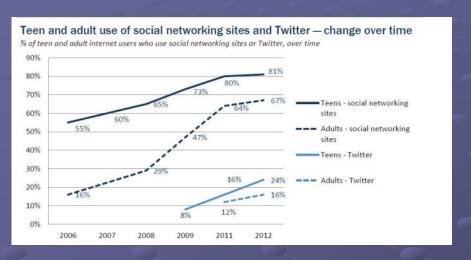
Personal security

- Subscribers typically use weak passwords which are related to people or locations in their lives
 - •House numbers, maiden names, pet names, etc
- Crooks know this and use that information to socially engineer their way into overtaking an account

Passwords



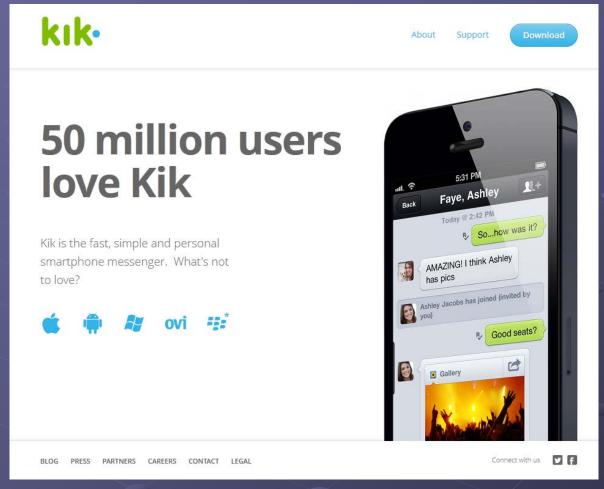
Security



- •81% of teens have a social networking profile
 - Facebook
 - Twitter
 - •Instagram
- 40% have publicly viewable profiles
- Private does not equal absolutely safe
 - Do you know your"friends"

•HOW MANY SITES ARE THERE????





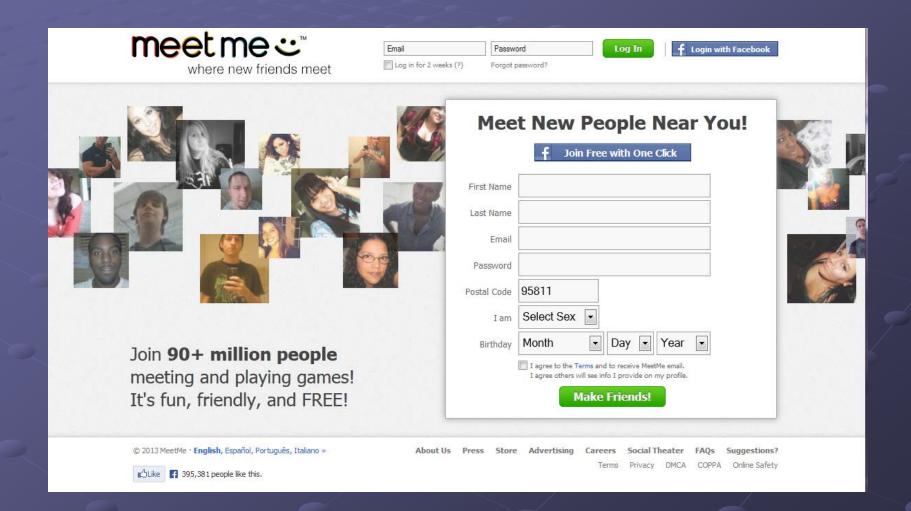
The Law Enforcement Operations team will be hosting a Law Enforcement Support webinar on Thursday, March 17, 2016 at 10am EST. This webinar will focus on our law enforcement support and updates to the app. There will also be time at the end for Q & A. If you're interested in attending, please email us

at lawenforcement@kik.com

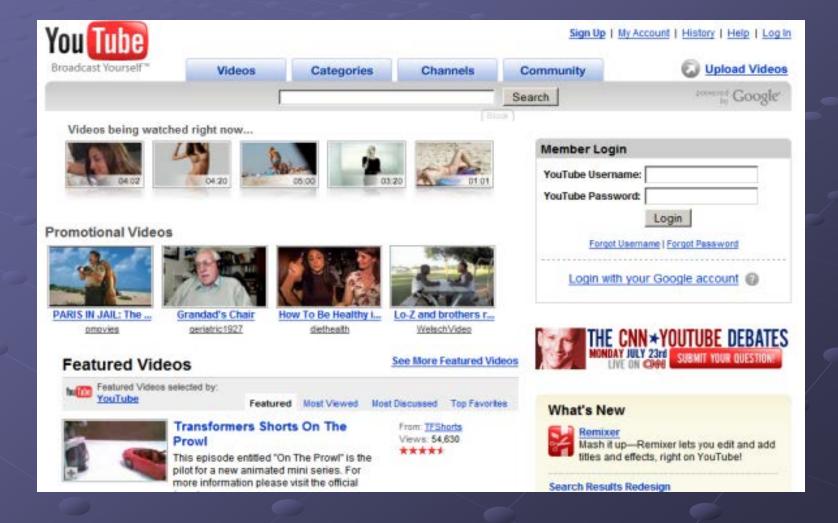
snapchat



MeetMe



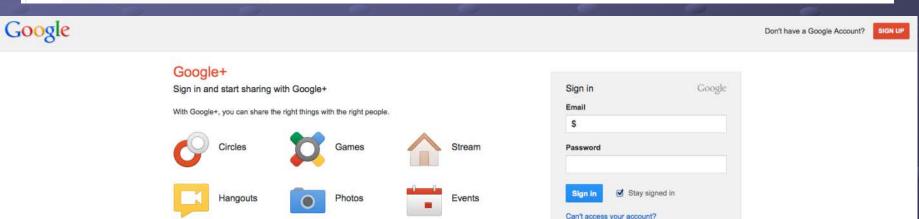
YOUTUBE.com



PlentyOfFish



PlentyOfFish is an online dating service, popular primarily in Canada, the United Kingdom, Ireland, Australia, Brazil, and the United States. It is available in nine languages. Every day it welcomes over 65,000 new users. The company, based in Vancouver, ... +



MYSPACE



myspace.com

30,000 people sign up everyday.

85% of users are 18 or older. Launched in January 2004.



 Aimed at youth wanting to connect with new music and entertainment.

Myspace=Instgram



Instagram









Meet Instagram

It's a fast, beautiful and fun way to share your photos with friends and family.

Snap a picture, choose a filter to transform its look and feel, then post to Instagram. Share to Facebook, Twitter, and Tumblr too – it's as easy as pie. It's photo sharing, reinvented.

Oh yeah, did we mention it's free?







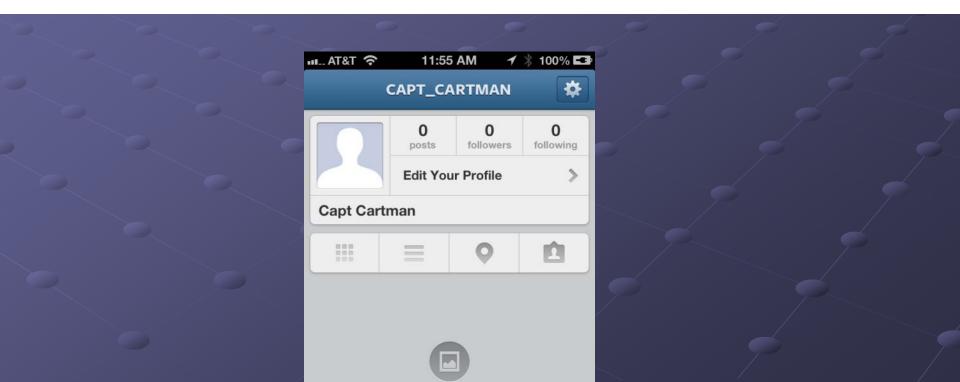
Instagram

- > Owned by facebook as of September 2012
- August 2012, Instagram hit 80 million users.
- > June 2013: 130 million users with an average of 7.3 million daily.
- > August 2012: 5 million photos uploaded daily
- > June 2013: 40 million daily
- Nearly 16 billion photos have been shared on Instagram since its beginning.

Instagram

What is Instagram?

Instagram is a fast, beautiful and fun way to share your life with friends through a series of pictures. These pictures are shared on Instagram, and can be easily uploaded to other social media platforms including Twitter, Facebook and Tumblr.



Data Retention and Availability

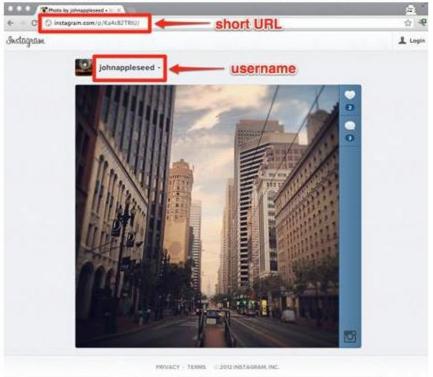
We retain different types of information for different time periods. Given the volume of real-time content on Instagram, some information may only be stored for a short period of time. We do not retain data for law enforcement purposes unless we receive a valid preservation request. Preservation requests must include the username of the Instagram account in question, a valid return email address, and must be signed and sent on law enforcement letterhead.

Information to Include

All requests must identify the following:

- The name of the issuing authority, badge/ID number of responsible agent, email address from a law enforcement domain, and a direct contact phone number.
- The username of the Instagram account in question and details regarding specific information requested and its relationship to your investigation.





4. If you have access to the Instagram application, you can locate the username here:



Emergency Requests

Matters involving anticipated harm to a child or risk of death or serious physical injury to any person that requires disclosure of information without delay should contact us at lawenforcement@instagram.com.

It is important to note that we will not review or respond to messages sent to this email address by non-law enforcement officials. If you are a user aware of an emergency situation, you should immediately and directly contact local law enforcement officials.

Emergency Requests

Matters involving anticipated harm to a child or risk of death or serious physical injury to any person that requires disclosure of information without delay should contact us at lawenforcement@instagram.com.

It is important to note that we will not review or respond to messages sent to this email address by non-law enforcement officials. If you are a user aware of an emergency situation, you should immediately and directly contact local law enforcement officials.

Contact Information

Law enforcement officers may submit all records requests by email or mail.

Only email from law enforcement domains will be accepted. All others will be disregarded. Non-law enforcement requests should be sent through our regular support methods via Instagram's Support Center.

Email: lawenforcement@instagram.com

Mail:

Attn: Instagram Law Enforcement Response Team 1601 Willow Road Menlo Park, CA 94025

TWITTER

twitter

Select Language

What is Twitter?

What?

Why?

How?

Please sign in

user name or email address:

▶ Watch a video!

password:

Sign In a

Forgot password? Click hars.

Already using Twitter from your phone? Click here.



Twitter is a service for friends, family, and co-workers to communicate and stay connected through the exchange of quick, frequent answers to one simple question: What are you doing?

Get Started-Join!

Twitter is the telegraph system of theb 2.0.

Micheles Carr. Author and Technologies

I readly like Twitter.

jeff Barr, America, com, Senior Manager

Twitter is on its way to becoming the next killer app.

TIME Magazine

© 2009 Twitter About Us Contact Blog Status Apps API Search Help Jobs Terms Privacy



TWITTER

Since the dawn of Twitter, there's been a total of 170 billion tweets.

500 million users

400 million tweets sent every day

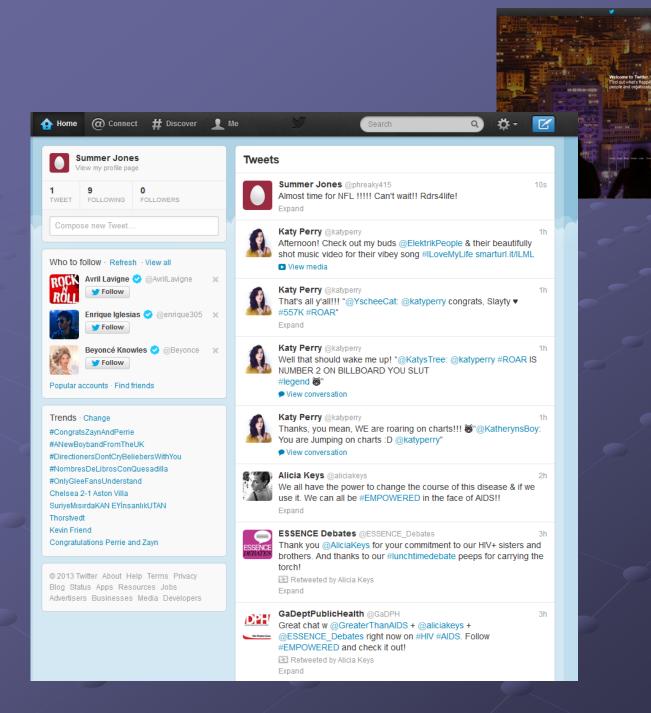
32% of all Internet users are using Twitter.

Links to videos and images can be tweeted, not just words, and the most followed brand on Twitter is YouTube with 19 million followers.

Vine: 12 million uploads daily, 5 every second

50 percent of Twitter users are using the social network via mobile.

Tweets can be deleted by the user.



How To Make an Emergency Request

If there is an emergency that involves the danger of death or serious physical injury to a person that Twitter may have information necessary to prevent, you may make an emergency disclosure request by email to lawenforcement@twitter.com (which we continuously monitor) with the subject:

Emergency Disclosure Request. Please include all of the following information:

- Identify the person who is in danger of death or serious physical injury;
- The nature of the emergency (e.g., report of suicide, bomb threat);
- Twitter @username and URL (e.g., @safety and https://twitter.com/safety) of the subject account(s)) whose information is necessary to prevent the emergency;
- · Any specific Tweets you would like us to review;
- The specific information requested and why that information is necessary to prevent the emergency; and
- All other available details or context regarding the particular circumstances.

NOTE: Our support system **removes all attachments**, you must include the contents in the body of the message; you will receive an automated response that you **must reply to** in order for us to see your request.

Alternatively, you may fax emergency requests to: 1-415-222-9958 (faxed requests *may* result in a delayed response; for the quickest turnaround, we **strongly suggest** emailing all emergency requests).

elp center

Will Twitter Notify Users of Requests for Account Information?

Yes. Twitter's policy is to notify users of requests for their information prior to disclosure unless we are prohibited from doing so by statute or court order (e.g., an order under 18 U.S.C. § 2705(b)).

What Information Must Be Included?

When requesting user information, your request must include:

- The username and URL of the Twitter profile in question (e.g., @safety and https://twitter.com/safety);
- Details about what specific information is requested and its relationship to your investigation;
 - Note: Please ensure that the information you seek is not available from our public API. We
 are unable to process overly broad or vague requests.
- A VALID EMAIL ADDRESS so we may get back in touch with you upon receipt of your legal process.

facebook		Login
Facebook helps you connect and share with	Sign Up	
the people in your life.	It's free and anyone can join	
	First Name:	
111	Last Name:	
	Your Email:	
	New Password:	
		Select Sex:
		Month: Day: Year: Why do I need to provide that?
		Sign Up
	Create a P	age for a celebrity, band or business.
rish (1/5) Español Português (Brasil) Français France) Deutsch Italiano 4,001 feft 4	·2(89) (848 >	

FACEBOOK

Reducing work productivity one status update at a time.

facebook Stats

- 1.2 billion active users, more than ½ users are outside of college.
- Demographic of 25 and older.
- 819 million mobile users
- 200 billion views per month
- 350 million images uploaded daily, total of 240 billion photos
- Average amount spent on site is 30 minutes per day.







25 percent of users on Facebook don't bother with any kind of privacy control.

An average Facebook user has 142 friends.

More than 1 million websites have integrated with Facebook in various ways.

As of 2012, 17 billion location-tagged posts and check-ins were logged.

Tagging

A tag links a person, page, or place to something you post, like a status update or a photo. For example, you can tag a photo to say who's in the photo or post a status update and say who you're with. Tagging people, pages and places in your posts lets others know more about who you're with, what's on your mind and where you are.

When you tag someone, they'll be notified. Also, if you or a friend tags someone in your post and it's set to Friends or more, the post is visible to the audience you selected plus friends of the tagged person.

When someone adds a tag of you to a post, your friends may see what you're tagged in on Facebook. The tagged post also goes on your profile (timeline). If you'd like, you can turn on Profile (Timeline) Review to review and approve each tagged post before it goes on your profile (timeline) or exclude some people from seeing tagged posts of you on your Wall (timeline).

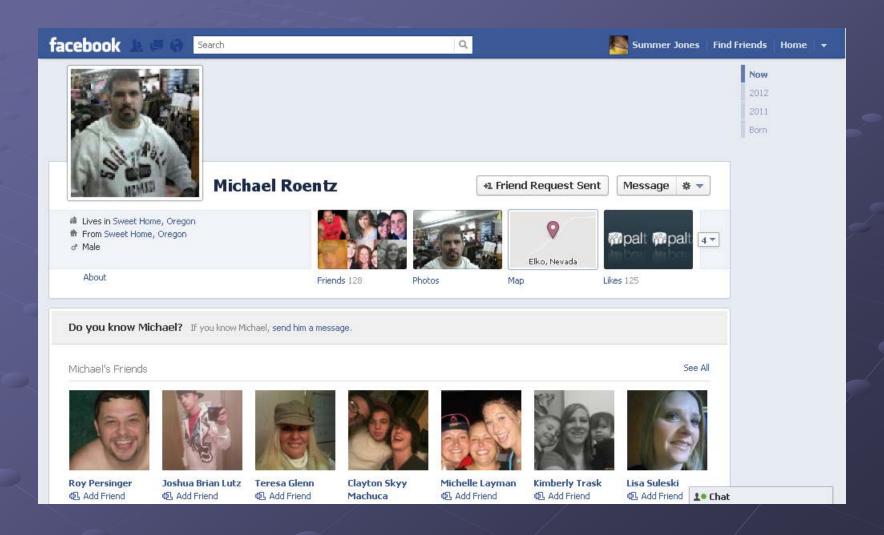


In this photo: Margo (photos | remove tag), James Yu (photos | remove tag), Megan (photos | remove tag), Joanne Wan (photos | remove tag)

From your album: "Oregon adventure"

- Facial Recognition
 - When images are tagged, facebook runs a hash algorithm to compare with other images for a positive match (<u>www.face.com</u>)
 - Could be a liability if doing undercover work
 - You can only remove an image if you have a facebook account. (cannot have a friend remove)

Facial Recognition



Location-based Social Networking



Location-based Social Networking

Location-based social networking is quickly growing in popularity. A variety of applications are capitalizing on users' desire to broadcast their geographic location.

Most location-based social networking applications focus on "checking in" at various locations to earn points, badges, discounts and other geo-related awards.

Location-based Social Networking

The increased popularity of these applications is changing the way we as a digital culture view security and privacy on an individual level.

Geotagging

- Process of adding geographical identification to photographs, video, websites and MMS.
- Geotags are automatically embedded in pictures taken with smartphones.
- Many people are unaware of the fact that the photos they take with their smartphones and load to the Internet have been geotagged.

Exif Data

- Exchangeable image file format (Exif) is a standard that specifies the formats for images, sound, and ancillary tags used by digital cameras and other devices.
- Created by the Japan Electronic Industries Development Association.

The Exif Tags

Date and time from the camera/phone.

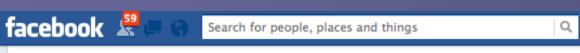
 Camera settings: camera make and model, orientation aperture, shutter speed, focal length, metering mode, and TSO speed

information.

A thumbnail

Geolocation









Michael Roentz | Timeline ▼ | Now ▼



Click like to support me!

Like · Comment · Play Slots Farm



Michael Roentz

January 30 via Slots Farm 🔞

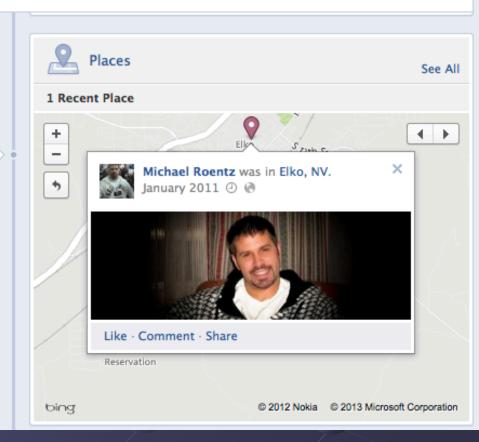
Wow! I just received a new award! Join the game and play - you are sure to have a great time!

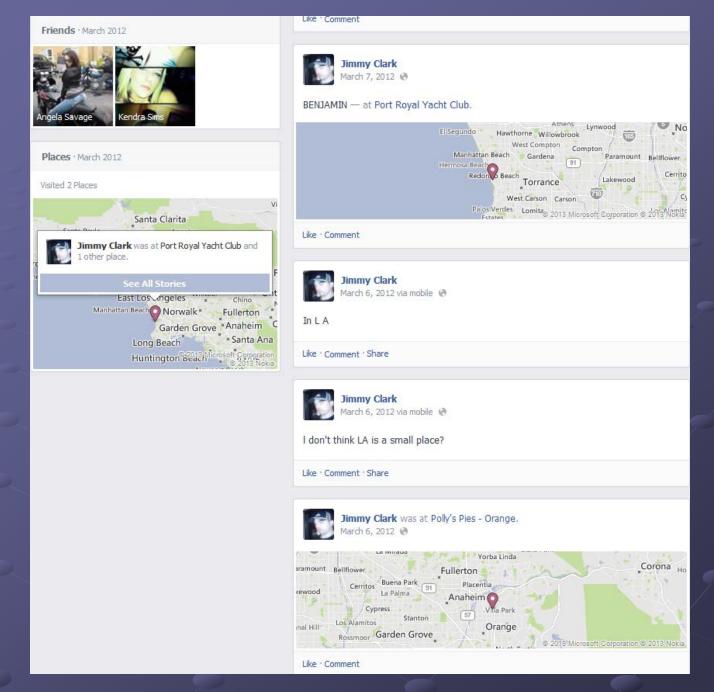


I earned a new award!

Wow! I just received a new award! Join the game and play - you are sure to have a great time!

Like · Comment · Play Slots Farm





Geotagging

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The Exif Tags

- Date and time from the camera/phone.
- Camera settings: camera make and model, orientation aperture, shutter speed, focal length, metering mode, and ISO speed information.
- A thumbnail
- Geolocation



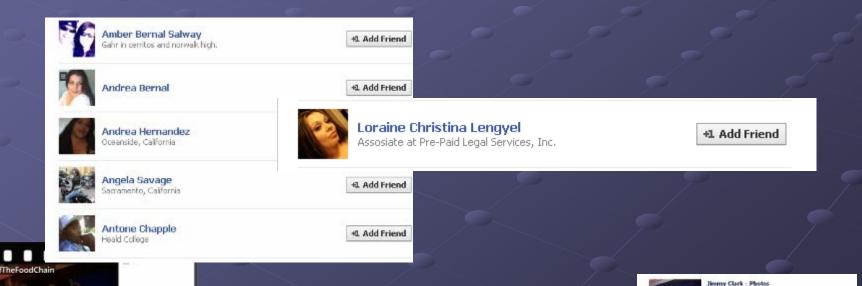
Geotagging Photos

 On photo sharing sites, people can manually tag a location on their photos, even if their camera does not have a GPS function.

 Facebook scrubs data from posted photos but other sites may not or allow you the option to share it.

Investigative Techniques

- Creating an undercover account
 - Persons of interest won't always have public profiles
 - Being "friended" allows greater access to users and their "friends"
 - Luckily, most people don't have a strenuous vetting out process



UC Accounts Cautions

- Choose profile picture carefully!
 - Shouldn't use pics you don't have permission for
 - Use a non-face shot
- Know your target audience
- Know that creating a fake profile facebook) can "violate the contre
 - Exposure to civil liability?
 - Facebook will notify if they feel a profile is covert
 - Cross checks different profiles from same ip address
- Depending on type of case, may want to use an undercover line, not department internet



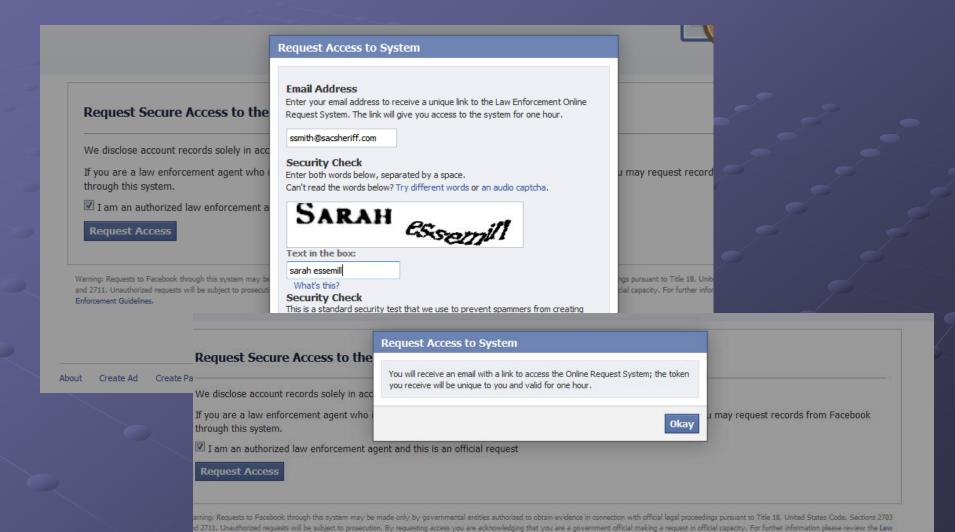
Facebook Law Enforcement Guide

facebook

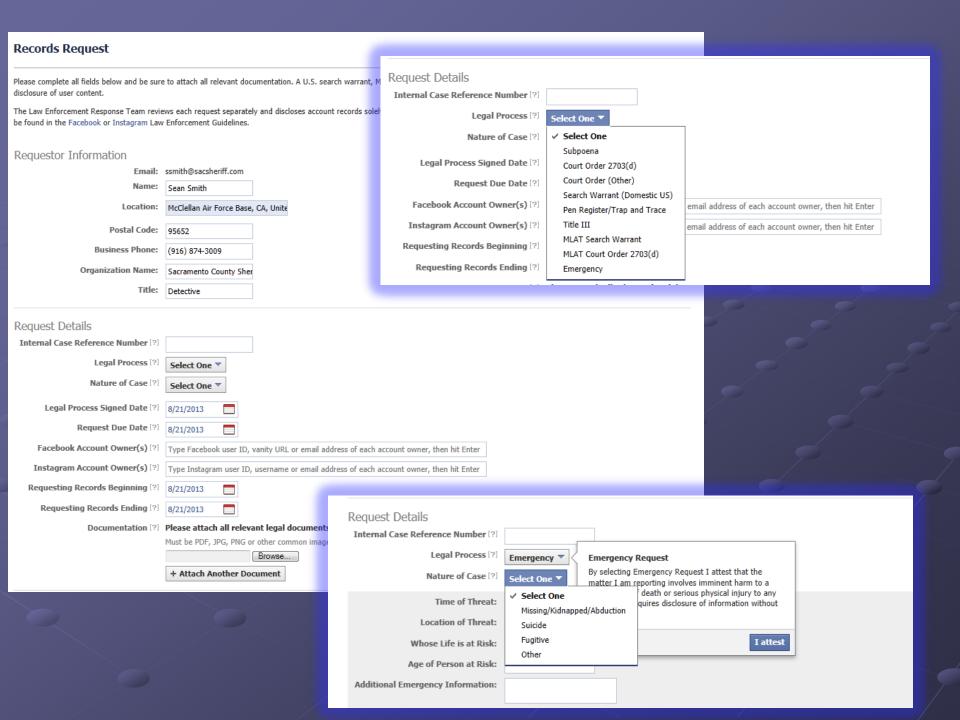
This document describes procedures law enforcement authorities should follow to request data from Facebook.

https://www.facebook.com/safety/groups/law/guidelines/

www.facebook.com/records



forcement Guidelines.





Preservation

Preservation Request		
Please complete all fields below to request preservation of account records. We will take steps to preserve account records in connection with official criminal investigations for 90 days pending our receipt of formal legal process. Additional information can be found in the Facebook or Instagram Law Enforcement Guidelines.		
Requestor Information		
Email:	ssmith@sacsheriff.com	
Name:	Sean Smith	
Location:	McClellan Air Force Base, CA, Unite	
Postal Code:	95652	
Business Phone:	(916) 874-3009	
Organization Name:	Sacramento County Sher	
Title:	Detective	
Request Details Internal Case Reference Number [?]		
Facebook Account Owner(s) [?]	Type Facebook user ID, vanity URL or email address of each account owner, then hit Enter	
Instagram Account Owner(s) [?]	Type Instagram user ID, username or email address of each account owner, then hit Enter	
Documentation [?] Please attach all relevant legal documents		
Must be PDF, JPG, PNG or other common image formats		
Browse		
+ Attach Another Document		
I am a law enforcement agent authorized to request account records and all the information I have provided is accurate.		
	Send Cancel	

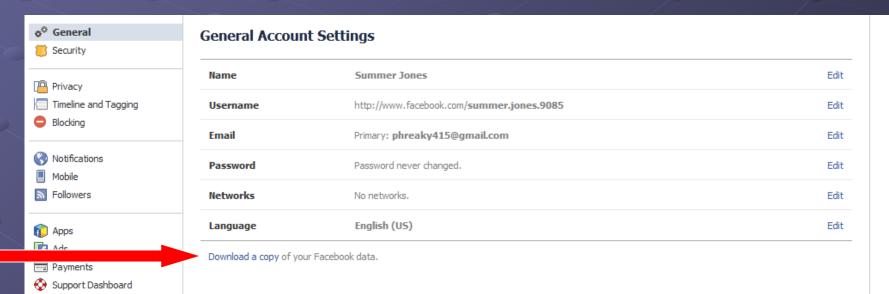
- •Legal Service tips
- Facebook ID# is at the end of the url
 - http://www.facebook.com/profile.php?id=100003088199251

- Can also be the vanity name
 - http://www.facebook.com/TOPJIMMY247
 - (if vanity name is shown, this means that "enable public search" has been selected within users account.

•Legal Service tips

- If an account is deactivated, facebook says they keep account info (content) for 7 days
 - Ip address info for a year
- If something is removed (post, image, etc) they say it is unrecoverable

- Consent to Search
- Facebook does NOT accept, so...
 - Login to account
 - Account settings
 - Download a copy



Download Your Information

Get a copy of what you've shared on Facebook.

This is a copy of personal information you've shared on Facebook. To protect your info, we'll ask you to re-enter your password to confirm that this is your account.

Download Archive

Caution: Protect your archive

Your Facebook archive includes sensitive info like your private Wall posts, photos and profile information. Please keep this in mind before storing or sending your archive.



About Create Ad Create Page Developers Careers Privacy Cookies Terms Help

May need access to email account as well for secondary verification

Ask for any type of info, whether you know if a Social networking Site archives it or not:

- IP Logs
- Wall Postings
- Pictures
- Exif data
- Chat History

Investigative Resources

- Several tools to analyze pages and friends
 - www.accurint.com
 - Lococitato Facebook Visualizer
 - http://groups.yahoo.com/group/kloving
 - X1 Social Discovery
 - Geofeedia/Media Sonar
 - Search Investigative Toolbar
 - Snagit / Camtasia
 - www.netlingo.com
 - www.urbandictionary.com
 - www.google.com

Accurint

