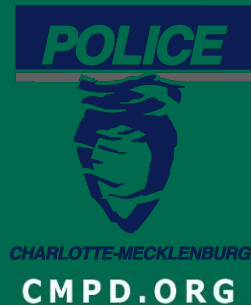




CMPD Electronic Monitoring Program

***2010 LEOPRD Conference
Philadelphia, PA
April 14, 2009***

Deputy Chief Ken Miller



- CMPD Background
- Challenges
- Electronic Monitoring Background
- Applied Technologies and Protocols
- Crime Correlation
- Program Evaluation
- Legal Issues
- Future

- 1,765 Sworn Officers
- 484 Non-sworn Staff
- 777,827 Jurisdiction Population
- 448 Square Miles plus 438 Square Miles of Lakes
- 4 Patrol Service Areas
 - 13 Patrol Divisions
 - 39 Response Areas
- 2009 Statistics
 - 977,590 911 Calls Received
 - 371,389 Citizen Service Calls
 - 44,307 Total Index Crimes
 - 5,618 Violent
 - 38,689 Property
 - 29,659 Arrests
 - 120,264 Citations

Criminal Justice Environment

- CJ System
 - Understaffed, underfunded, and overloaded
 - Case resolution is 6 months – 2+ years.
 - Dismissals or pleas to lesser offenses
 - Probation in lieu of incarceration
- Repeat Offenders
 - 22% arrested 2+ times in a year
 - 7.5% arrested 5+ times in 2 years (2,138)
 - No structure or accountability
- Impact
 - Increased victimization and fear
 - Judicial backlogs
 - Additional officer/detective workload

- Program Goals
 - Leverage technology to reduce recidivism
 - Prevent crime and reduce fear
 - Retain in jail or change behavior in community
- Methodology (levels of control)
 - Structure and supervision as deterrent
 - Leverage conditions of release
 - Identify / arrest re-offenders
- Staff
 - Sergeant and five Officers

- Global Positioning System (GPS)
 - 24/7 tracking of whereabouts
 - Inclusion / exclusion zones
 - Tamper / water resistant
 - Web-based monitoring application
 - Nightly transfer of data to CMPD
- CMPD crime-correlation process
 - Compares crime/GPS coordinates to reported crime
 - Creates investigative leads

- Offender prioritization
 - A-list and B-list priority offenders
 - Other division-elevated offenders
 - All robbery offenders
- Conditions applied post-arrest / pre-trial
 - Judicial official
 - Curfew
 - Territorial restriction
 - Domestic violence restriction

Process

- Data transfer
 - Vendor data posted / pulled from FTP site
 - Pulled into RMS
- Geo-coded data comparison ~ scripted / daily ~
 - Offender & crime data
 - Date, time and location
 - Buffers established
 - Match generates investigative lead
 - Alerts in PDF format
 - Emails sent to EM Unit, Patrol, and Investigative Units
 - “Hits” attach to records management reports
 - Appropriate unit follow-up – EMU assistance

Response to Alerts

- Data review
 - Distances scrutinized with type of crime
 - Offender history, MO, known associates
- OmniLink FocalPoint review
 - GIS and Satellite based
 - Places at scene or in vicinity
 - Perpetrator or accessory
- County GIS parcel review
- Case development and interview
- Warrants signed and served



Automated records comparison

COMPLAINT #: 20080919124500

DATE / TIME REPORTED	9/19/2008 1245	ADDRESS:	12000 SWALLOW LN
INCIDENT TYPE:	Residential Burglary	BEAT:	2113
DATE / TIME FROM:	20080919 0800	DATE / TIME TO:	20080919 1230
INVESTIGATOR CODE #:	001609	CASE STATUS:	Open

PID:	OFFENDER NAME:	STATUS:	DATE ADDED:	DATE UPDATED:
234067	Wallace, Laquail	Investigative Lead	9/20/2008 7:33:21 AM	

DESC:

ORGANIZATION: Charlotte Mecklenburg Police Dept.

DATE / TIME:	DISTANCE IN FEET:
---------------------	--------------------------

9/19/2008 10:18:04 AM	43.28
9/19/2008 10:21:20 AM	34.42
9/19/2008 10:24:36 AM	14.88
9/19/2008 10:27:50 AM	14.88

Verification of automated report



Dave Scheppegrell • Charlotte Mecklenburg Police Dept.

Location Reports Configuration Administration

Location History

Map of location history for Wallace, Laquail from 9/19/2008, 10:00 AM to 9/19/2008, 11:00 AM.

Last Known Location	Current Location	Location History	Track Location
---------------------	------------------	------------------	----------------

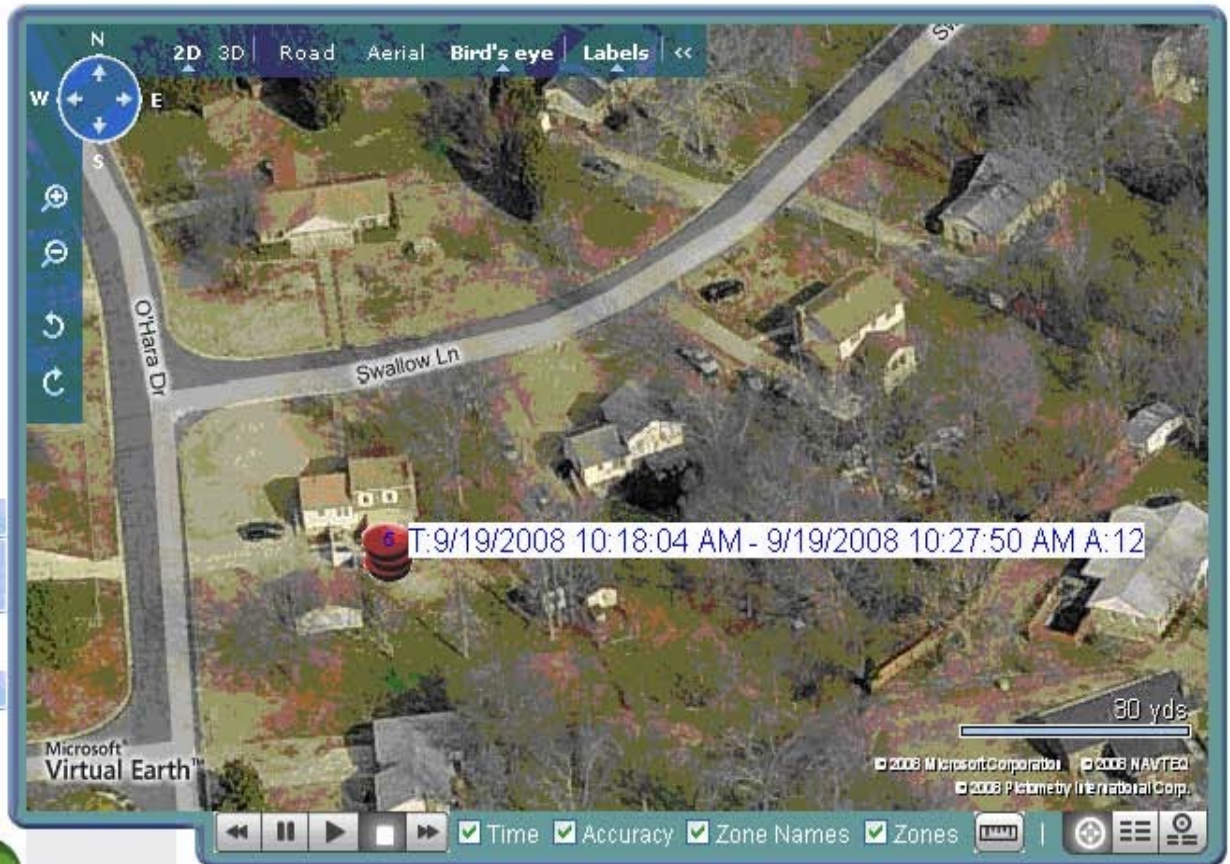
Today
 Yesterday
 Last 7 Days
 Custom

From: 9/19/2008 10 AM
 To: 9/19/2008 11 AM

Group Points
 View in Map
 Show All Points
 Export as KML

Show History for: Wallace, Laquail

Show Location History



Wallace, Laquail


Officer: Dave Scheppegrell
Device #:
Serial #:
Accuracy Settings: No

Add or Remove Entities



County land parcel verification

CharMeck.ORG

POLARIS
Property Ownership and Land Records Information System

Charlotte-Mecklenburg, North Carolina

Locate the site of your business expansion or relocation
Economic Development

A Service Provided by Mecklenburg County

Building Photography

[Return to Parcel Ownership Summary](#)

PHOTO #1

Location: 12000 SWALLOW LN

[Click here if there are any discrepancies with the photo shown below!](#)



Information contained within this web site may be used as a visual aid and to generally locate, identify, and inventory parcels in Mecklenburg County, North Carolina. There are inherent errors and limitations associated with this type of electronic medium. Mecklenburg County cannot warrant or guarantee the information contained herein including but not limited to its accuracy or





Track of Auto Theft Suspect



Dave 1 Scheppegrell · Charlotte Mecklenburg Police Dept.

Location Reports Configuration Administration

Location History

Map of location history for Simmons, Xavier from 10/8/2008, 12:00 PM to 10/9/2008, 12:00 AM.

Last Known Location	Current Location	Location History	Track Location
---------------------	------------------	------------------	----------------

Today
 Yesterday
 Last 7 Days
 Custom

From: 10/8/2008 Noon
To: 10/9/2008 12 AM

Group Points
 View in Map
 Show All Points
 Export as KML

Show History for: Simmons, Xavier

Show Location History



Simmons, Xavier



Officer: Danny 1 Brathwaite
Device #: 6784630214
Serial #: 56510FA
Accuracy Settings: No

Add or Remove Entities

Auto Theft Scene



Dave 1 Scheppegegrell • Charlotte Mecklenburg Police Dept.

Location Reports Configuration Administration

Location History

Map of location history for Simmons, Xavier from 10/7/2008, 3:00 PM to 10/7/2008, 4:00 PM.

Last Known Location	Current Location	Location History	Track Location
---------------------	------------------	------------------	----------------

Today
 Yesterday
 Last 7 Days
 Custom

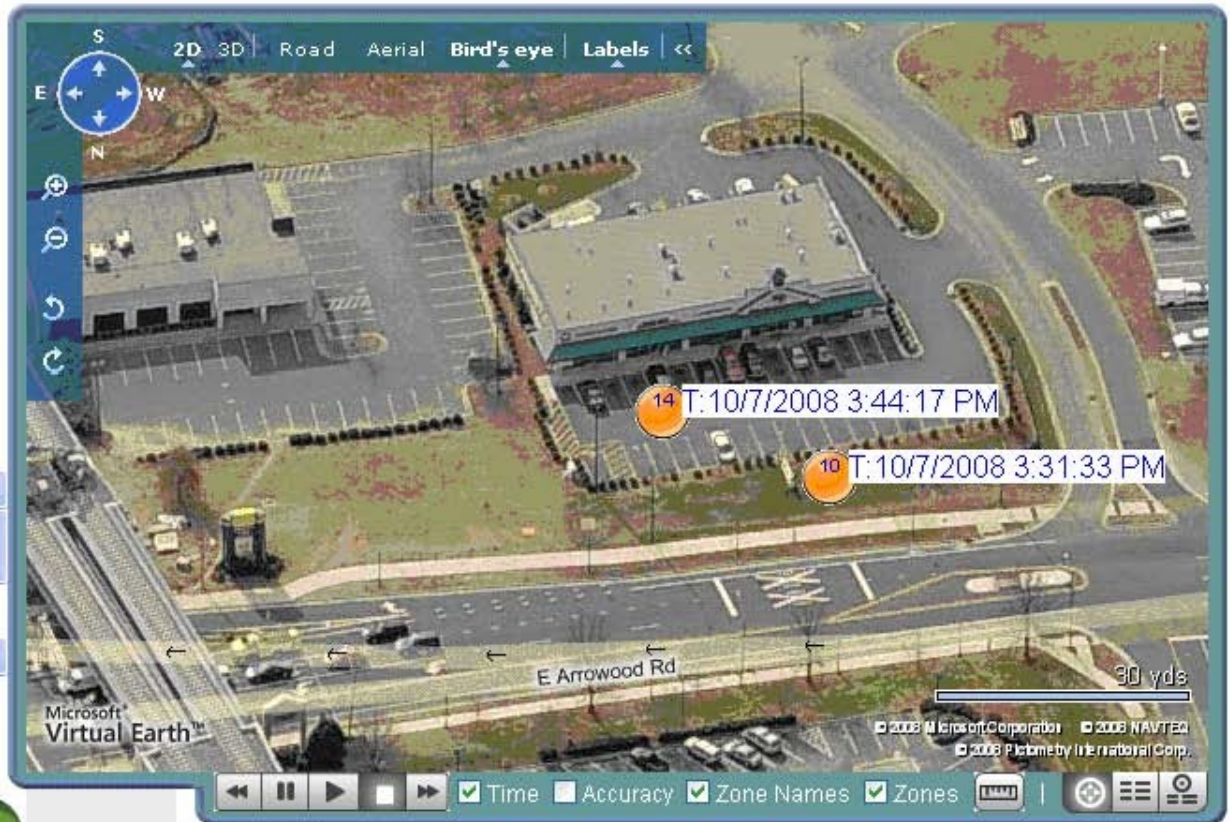
From: 10/7/2008 3 PM

To: 10/7/2008 4 PM

Group Points
 View in Map
 Show All Points
 Export as KML

Show History for: Simmons, Xavier

Show Location History



Simmons, Xavier



Officer: Danny 1 Brathwaite
Device #: 6784630214
Serial #: 56510FA
Accuracy Settings: No

Add or Remove Entities



Track of Auto Theft Suspect



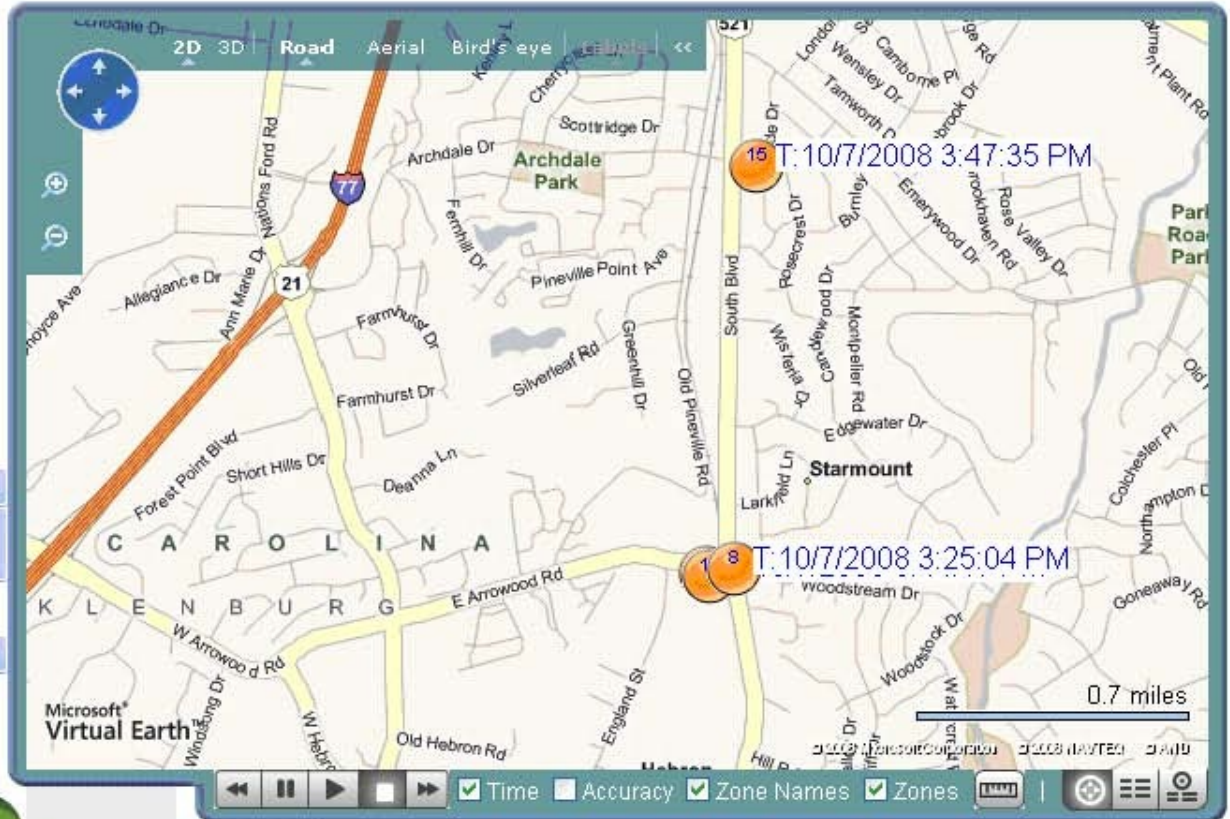
Dave 1 Scheppegegrell • Charlotte Mecklenburg Police Dept.

Location Reports Configuration Administration

Location History

Map of location history for Simmons, Xavier from 10/7/2008, 3:00 PM to 10/7/2008, 4:00 PM.

Last Known Location	Current Location	Location History	Track Location
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="radio"/> Today <input type="radio"/> Yesterday <input type="radio"/> Last 7 Days <input checked="" type="radio"/> Custom			
From:	10/7/2008	3 PM	
To:	10/7/2008	4 PM	
<input checked="" type="radio"/> Group Points <input type="radio"/> View in Map <input checked="" type="radio"/> Show All Points <input type="radio"/> Export as KML			
Show History for: Simmons, Xavier			
<input type="button" value="Show Location History"/>			



Simmons, Xavier



Officer: Danny 1 Brathwaite
 Device #: 6784630214
 Serial #: 56510FA
 Accuracy Settings: No

Program Evaluation

- 2009 Facts
 - 727 offenders monitored
 - 265 active peak
 - 637 in-custody with EM release conditions
 - 49 days ~ average monitoring length
 - 40% burglary; 33% robbery
- Evaluation components
 - Compliance with release conditions
 - Recidivism while monitored
 - Exclusion as crime suspect
 - Testimonials

Evaluation Results


- Data
 - 84% (n611) fully complied with release conditions
 - 10% (n74) violated release condition
 - 5% (n41) connected to 41 crimes
 - 104** instances crime exclusion
 - 68 crimes solved by crime correlation
- Testimonials
 - Judges
 - Families
 - Defendants
- UNC–Charlotte outcome evaluation proposal

Legal Issues

- Law allows police monitoring of defendants
 - Judicial order
 - While under state supervised release
 - Limitations on information use:
 - Officers can inspect monitor anytime
 - Cannot be used to access protected areas
 - Whereabouts checks for cause
 - Protracted active checks limited

Future

- Local development
 - Engage Probation/Parole
 - Accept police priority offenders
 - Monitor for probationary length
- Replication
 - Regionally and Statewide
 - Agencies in Mecklenburg and surrounding counties
 - Statewide in urban centers
 - Other police agencies
 - Serve as replication resource
 - Savannah and New Orleans



2010 LEOPRD Conference Philadelphia, PA April 14, 2009

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