

The Role of GIS in the 2012 Republican National Convention

Robert F. Austin, PhD, GISP
NGAC Lightning Session
September 18, 2012

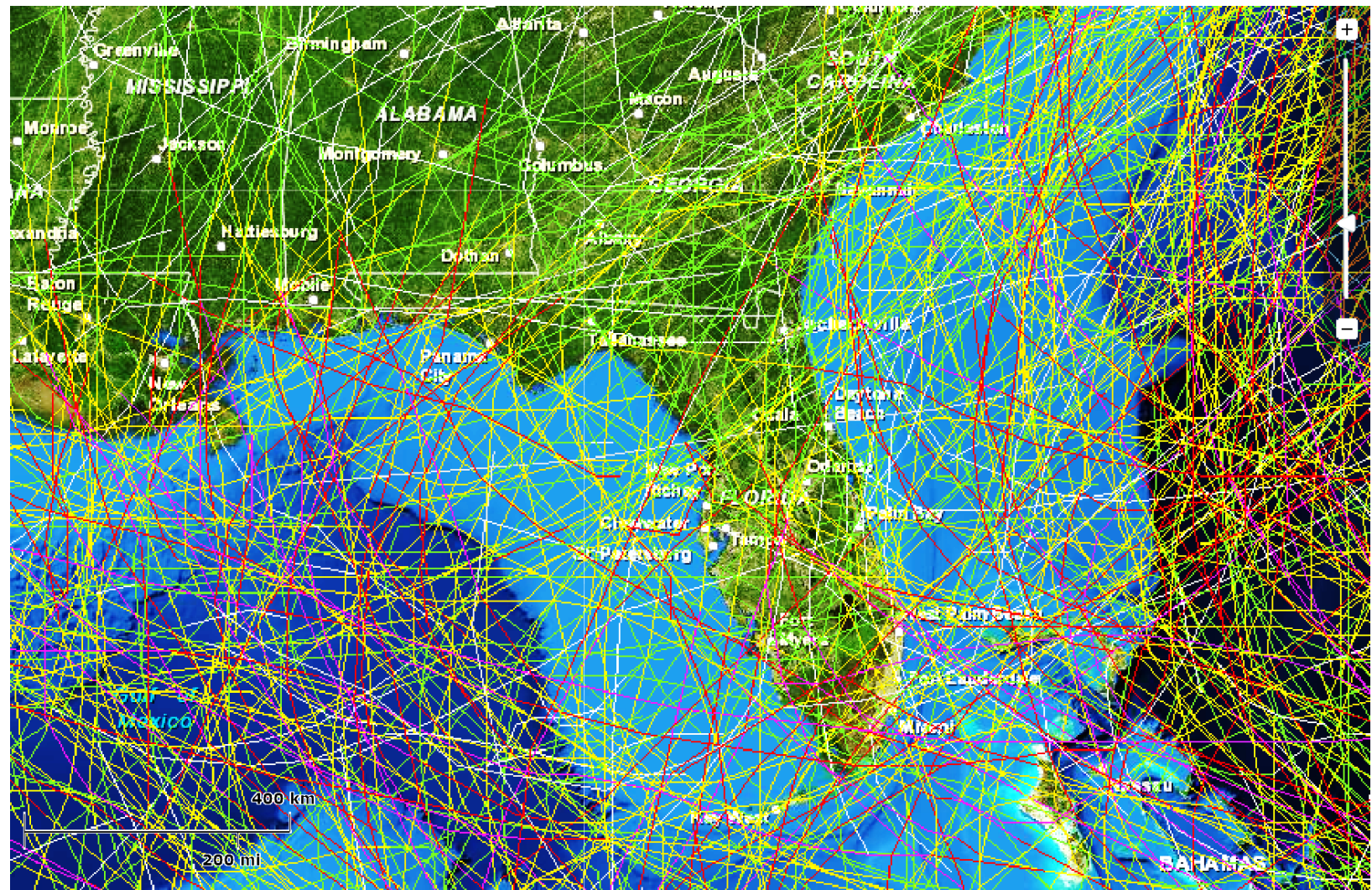


Our 1st Concern: Hurricane



Florida

Our 1st Concern: Hurricane



Hurricane Tracks Since 1842

Our 1st Concern: Hurricane



Our 1st Concern: Hurricane



Tropical Storm Debby, June 2012

Our 2nd Concern: Terrorism



National Special Security Event (NSSE)

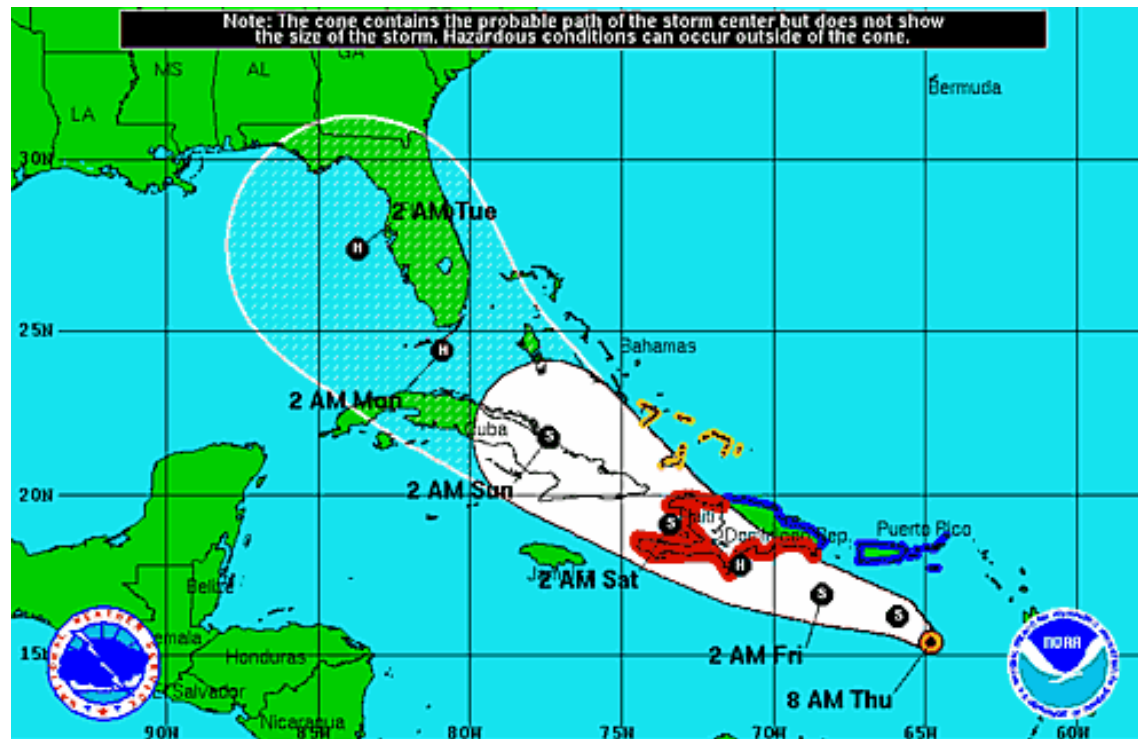
“an event of national or international significance deemed by the Dept of Homeland Security to be a potential target for terrorism or other criminal activity”



Our 3rd Concern: Violent Protest

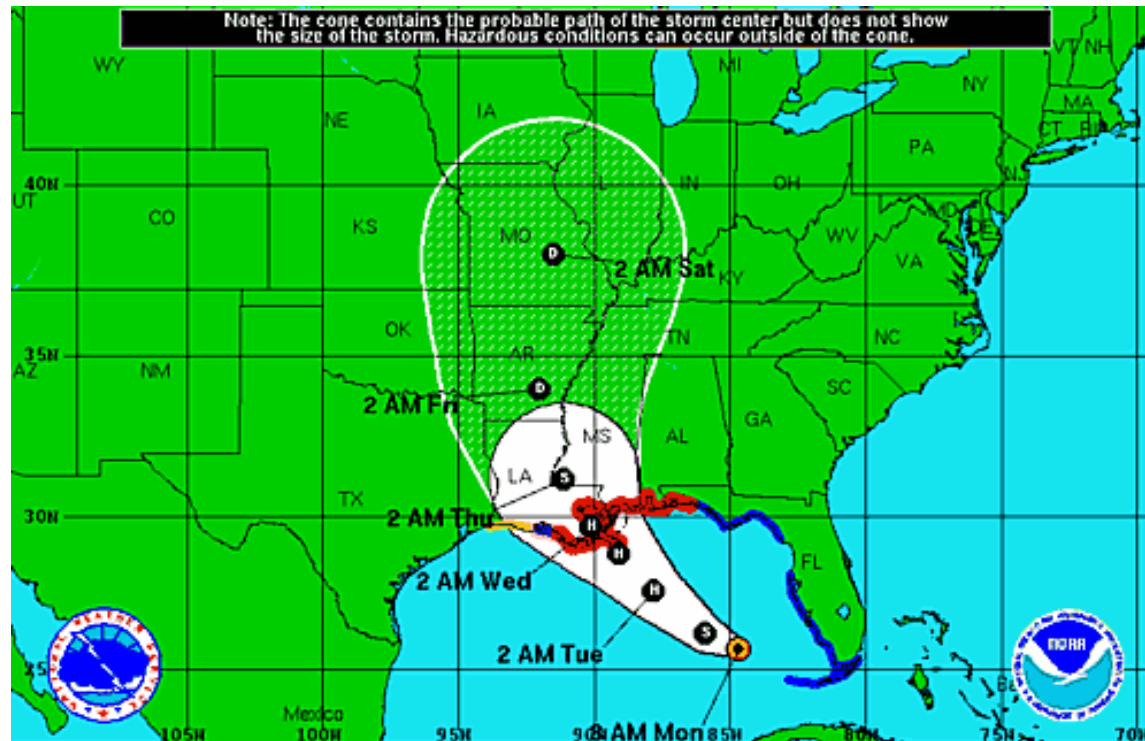


1st Reality: Tropical Storm Isaac



August 23, 2012 - 8:00 AM

1st Reality: Tropical Storm Isaac

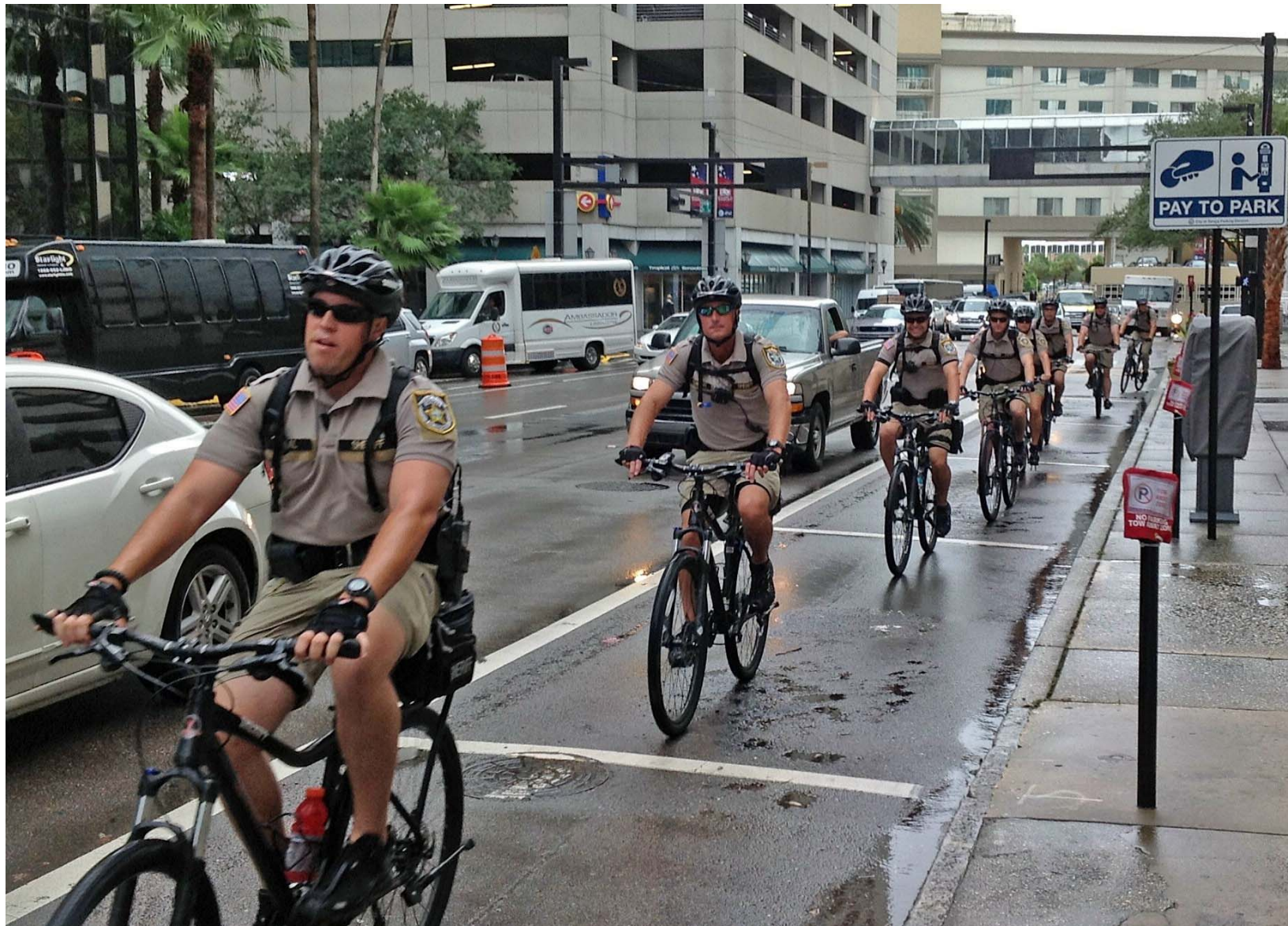


August 27, 2012 - 08:00 AM

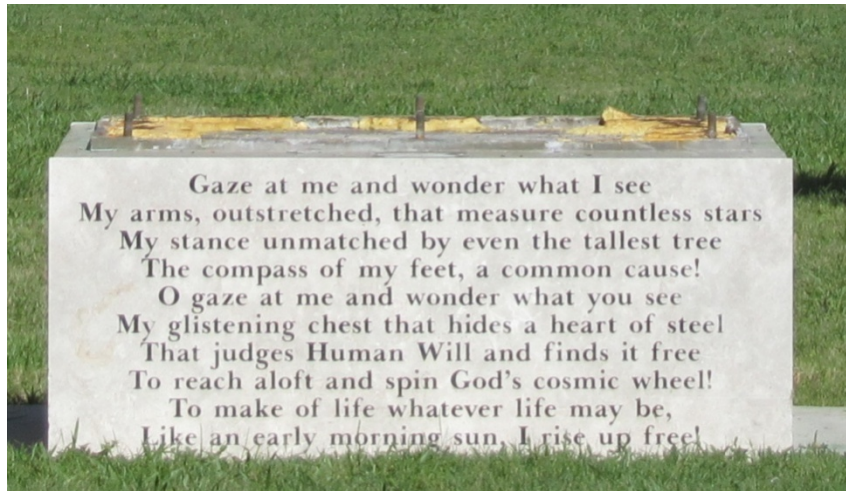
Hi 85° F, Lo 75° F

Rain 2.25 in

2nd Reality: No Terrorists



2nd Reality: No Terrorists



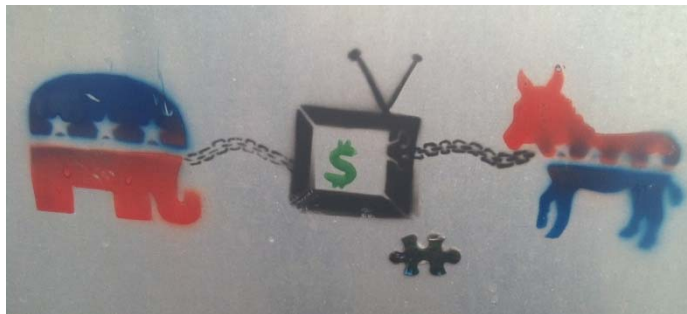
2nd Reality: No Terrorists



3rd Reality: Non-Violent Protest



3rd Reality: Non-Violent Protest



3rd Reality: Non-Violent Protest



Sleeping Dragon

Bottom Line

- ✦ Denver 2008 DNC – 152 arrests
- ✦ Charlotte 2012 DNC – 21 arrests
- ✦ Minneapolis 2008 RNC – 818 arrests
- ✦ Tampa 2012 RNC – 2 arrests

- ✦ TPD attributes 62% decrease in violent crime to intelligent policing through geospatial analysis
- ✦ Accepted approach expanded for RNC

TIGER

- ✦ Tampa Information and Geographical Event Resources
- ✦ Situational Awareness Dashboard
 - aka Common Operating Picture (COP)
- ✦ Built using Esri Flex 2.5 technology
 - Comparable to DoD's Palenterra
 - Based in part on City of Charlotte's COBRA

TIGER - powered by ESRI

Tampa Information and Geographical Event Resources

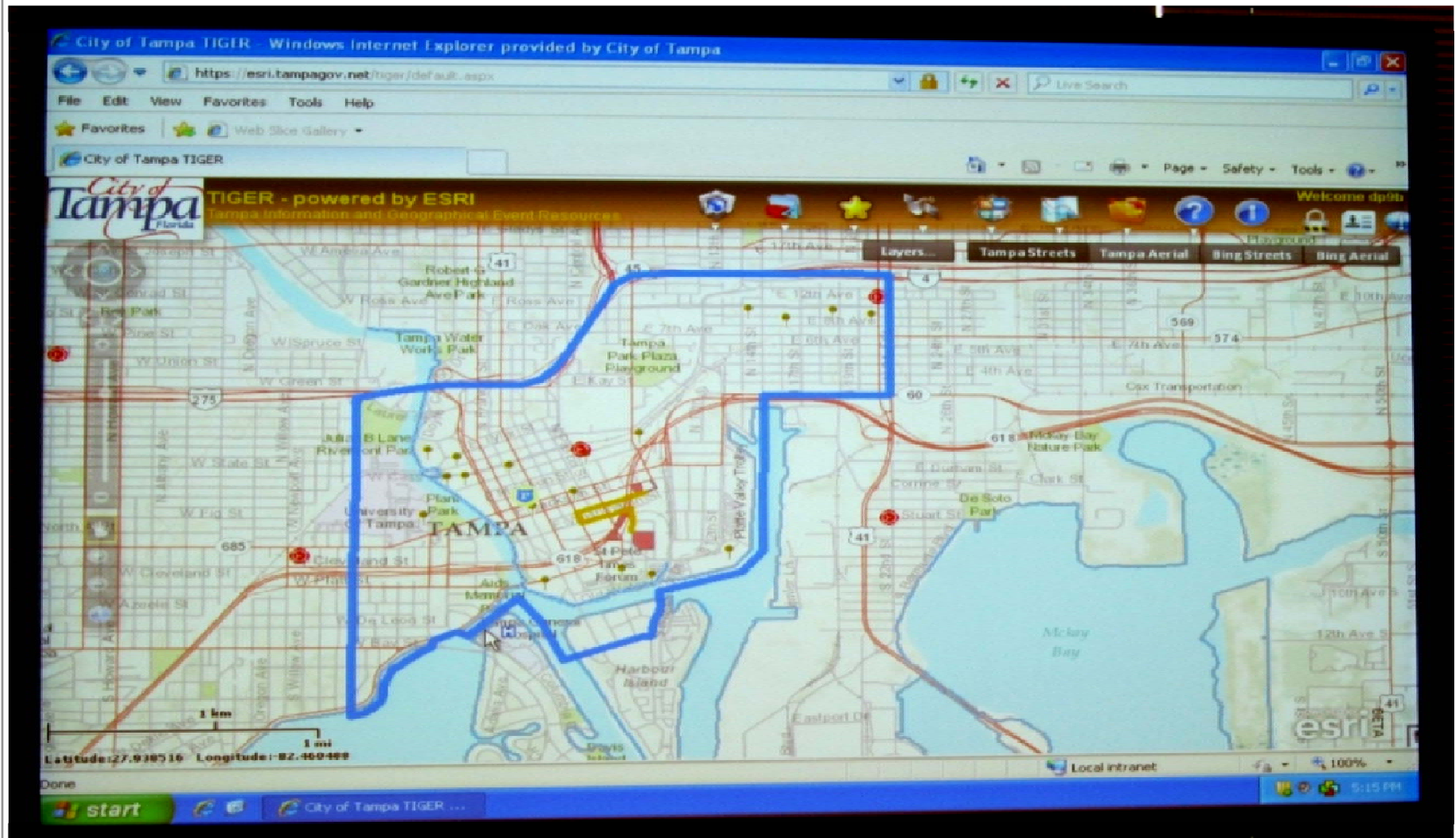
TIGER

✧ ~160 data sets at start of RNC

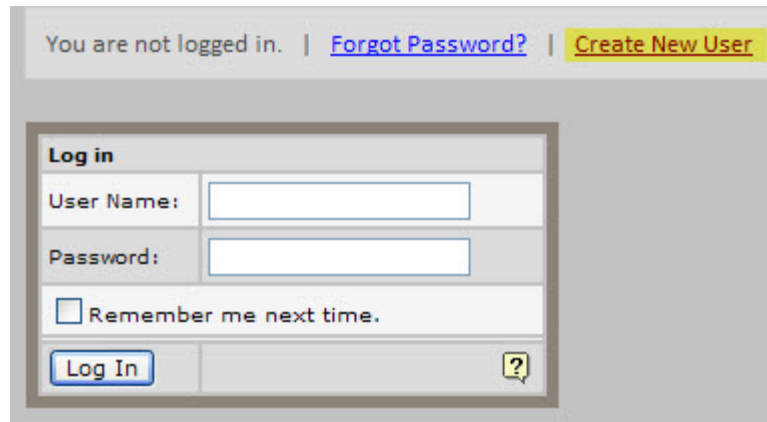
✧ ~185 data sets at end of RNC

- Aerial photography
- Public safety events and incidents
- Cameras: city, regional, state, helicopter
- Critical infrastructure
- Weather
- Standard live data feed format designed for external agencies
 - REST and FTP options
- Simple to learn and use

Tampa Event Zone View



Secure Access Specific to RNC




You are not logged in. | [Forgot Password?](#) | [Create New User](#)

Log in

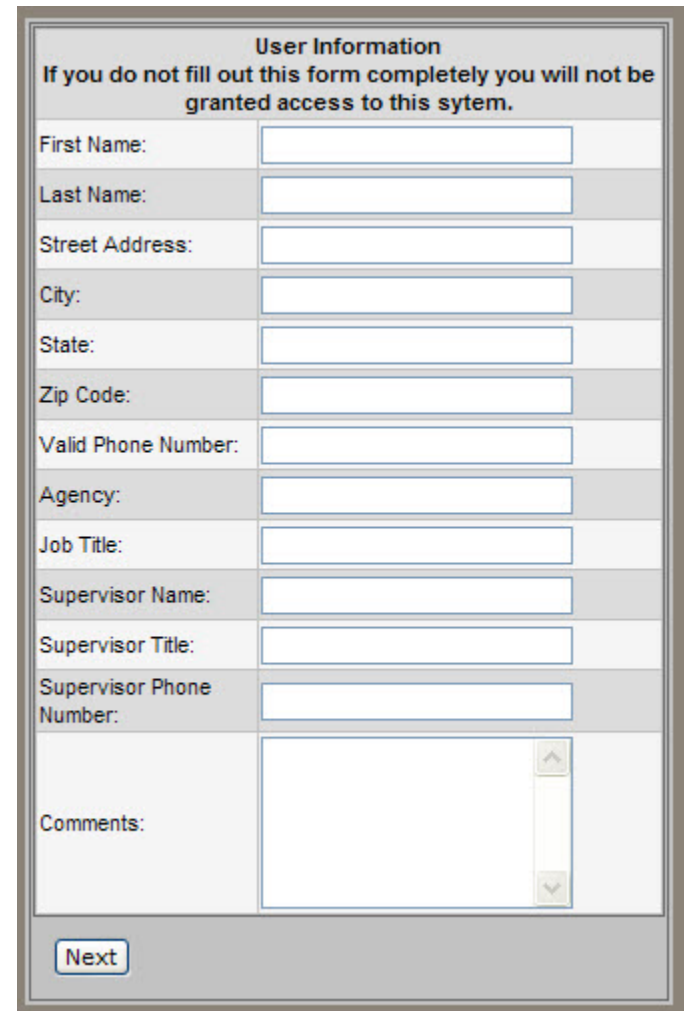
User Name:

Password:

☐ Remember me next time.



- Password protected
- Role-based access
- Post-RNC utility throughout UASI



User Information
If you do not fill out this form completely you will not be granted access to this sytem.

First Name:

Last Name:

Street Address:

City:

State:

Zip Code:

Valid Phone Number:

Agency:

Job Title:

Supervisor Name:

Supervisor Title:

Supervisor Phone Number:

Comments:

Primary Data Feeds

Internal Data



Other Agencies



External Data



Social Networks



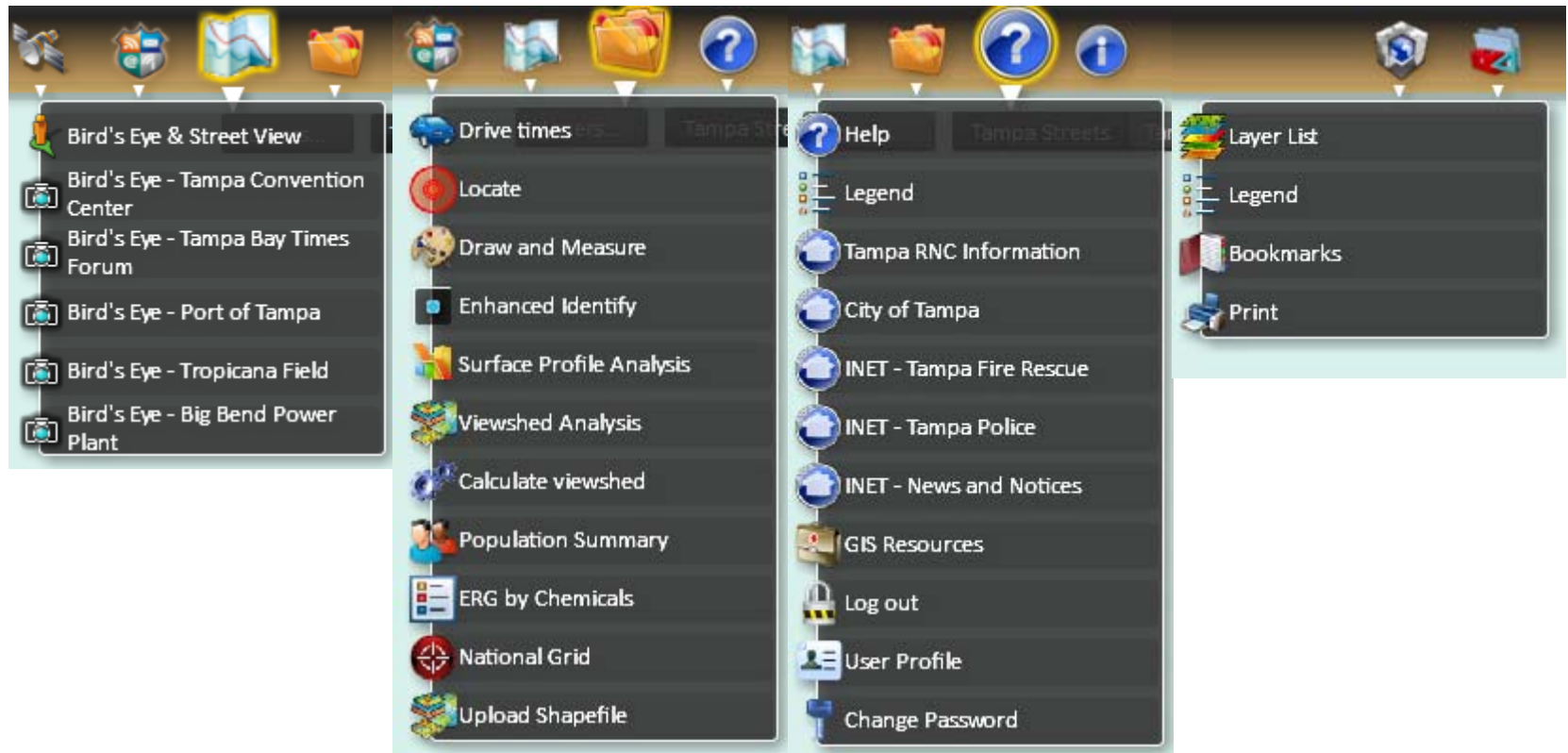
Tools and Imagery

Imagery

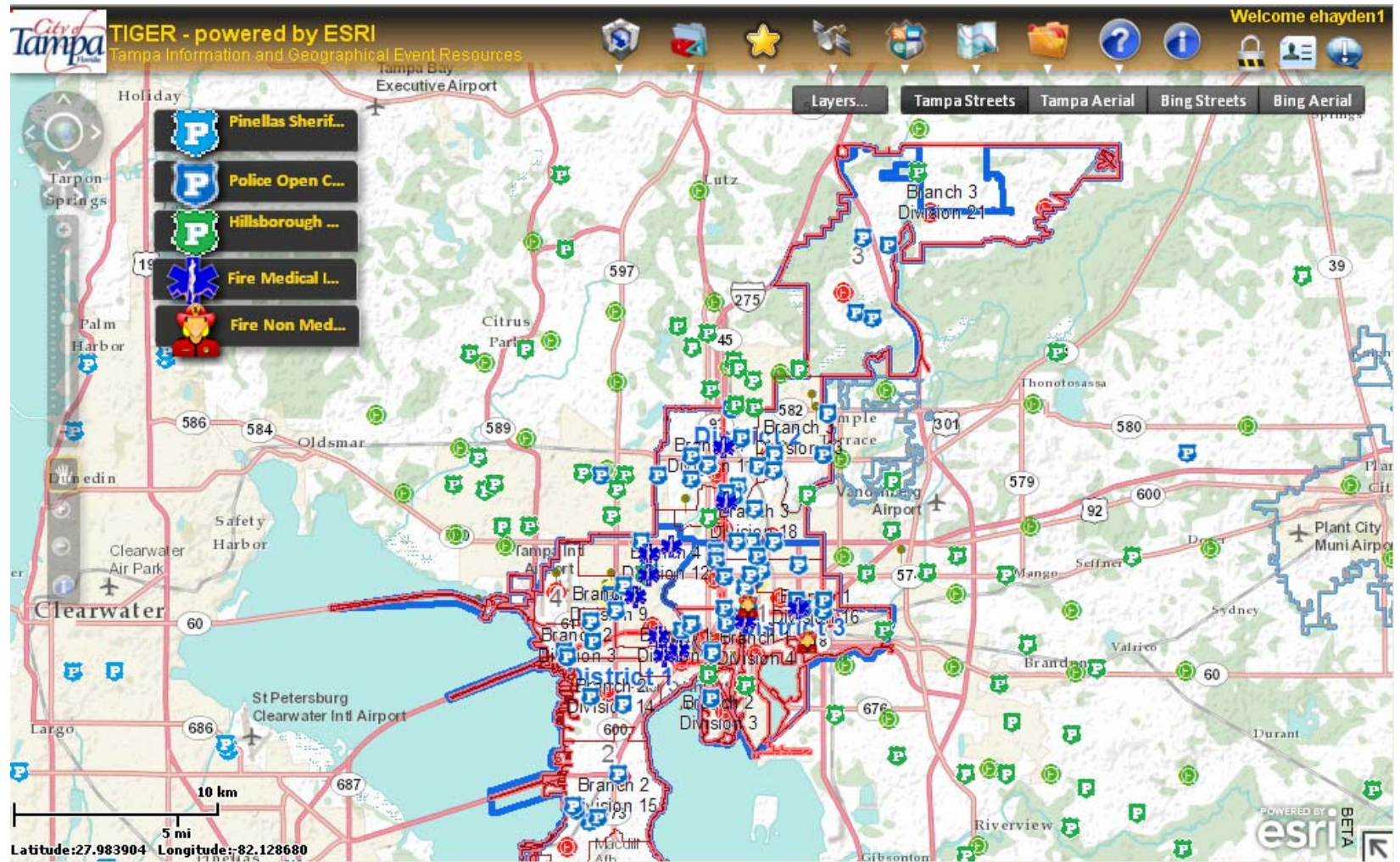
Tools

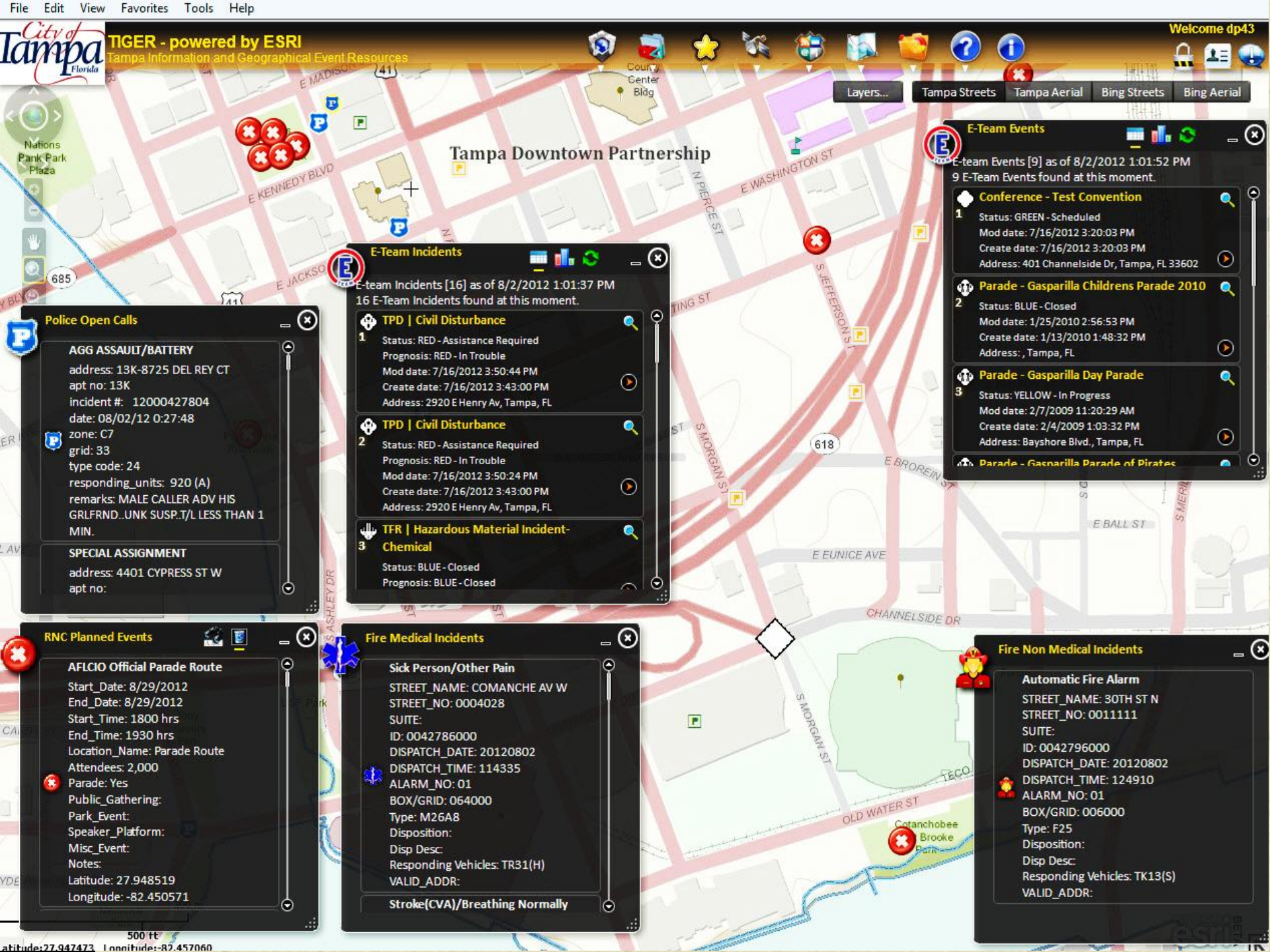
Links &
Profile

Map



Real-Time Calls for Service





Tampa Downtown Partnership

E-Team Incidents

E-team Incidents [16] as of 8/2/2012 1:01:37 PM
16 E-Team Incidents found at this moment.

TPD | Civil Disturbance

1 Status: RED - Assistance Required
Prognosis: RED - In Trouble
Mod date: 7/16/2012 3:50:44 PM
Create date: 7/16/2012 3:43:00 PM
Address: 2920 E Henry Av, Tampa, FL

TPD | Civil Disturbance

2 Status: RED - Assistance Required
Prognosis: RED - In Trouble
Mod date: 7/16/2012 3:50:24 PM
Create date: 7/16/2012 3:43:00 PM
Address: 2920 E Henry Av, Tampa, FL

TFR | Hazardous Material Incident- Chemical

3 Status: BLUE - Closed
Prognosis: BLUE - Closed

E-Team Events

E-team Events [9] as of 8/2/2012 1:01:52 PM
9 E-Team Events found at this moment.

Conference - Test Convention

1 Status: GREEN - Scheduled
Mod date: 7/16/2012 3:20:03 PM
Create date: 7/16/2012 3:20:03 PM
Address: 401 Channelside Dr, Tampa, FL 33602

Parade - Gasparilla Childrens Parade 2010

2 Status: BLUE - Closed
Mod date: 1/25/2010 2:56:53 PM
Create date: 1/13/2010 1:48:32 PM
Address: , Tampa, FL

Parade - Gasparilla Day Parade

3 Status: YELLOW - In Progress
Mod date: 2/7/2009 11:20:29 AM
Create date: 2/4/2009 1:03:32 PM
Address: Bayshore Blvd., Tampa, FL

Parade - Gasparilla Parade of Pirates

Police Open Calls

AGG ASSAULT/BATTERY

address: 13K-8725 DEL REY CT
apt no: 13K
incident #: 12000427804
date: 08/02/12 0:27:48
zone: C7
grid: 33
type code: 24
responding_units: 920 (A)
remarks: MALE CALLER ADV HIS
GRLFRND..UNK SUSP.T/L LESS THAN 1
MIN.

SPECIAL ASSIGNMENT

address: 4401 CYPRESS ST W
apt no:

RNC Planned Events

AFLCIO Official Parade Route

Start_Date: 8/29/2012
End_Date: 8/29/2012
Start_Time: 1800 hrs
End_Time: 1930 hrs
Location_Name: Parade Route
Attendees: 2,000
Parade: Yes
Public_Gathering:
Park_Event:
Speaker_Platform:
Misc_Event:
Notes:
Latitude: 27.948519
Longitude: -82.450571

Fire Medical Incidents

Sick Person/Other Pain

STREET_NAME: COMANCHE AV W
STREET_NO: 0004028
SUITE:
ID: 0042786000
DISPATCH_DATE: 20120802
DISPATCH_TIME: 114335
ALARM_NO: 01
BOX/GRID: 064000
Type: M26A8
Disposition:
Disp Desc:
Responding Vehicles: TR31(H)
VALID_ADDR:

Stroke(CVA)/Breathing Normally

Fire Non Medical Incidents

Automatic Fire Alarm

STREET_NAME: 30TH ST N
STREET_NO: 0011111
SUITE:
ID: 0042796000
DISPATCH_DATE: 20120802
DISPATCH_TIME: 124910
ALARM_NO: 01
BOX/GRID: 006000
Type: F25
Disposition:
Disp Desc:
Responding Vehicles: TK13(S)
VALID_ADDR:

Live Camera Feeds

TIGER - powered by ESRI
Tampa Information and Geographical Event Resources

Welcome ehayden1

Layers... Tampa Streets Tampa Aerial Bing Streets Bing Aerial

Streamer - Microsoft Int...

http://vms.tampagov....

★ Favorites Streamer Related Tasks

0.5 km 0.5 mi
Latitude: 27.940639 Longitude: -82.435498

POWERED BY esri BETA

Thank You for Your Attention

