

NYGEOCON 2013 CROWDSOURCING

*Superstorm Sandy and the Clean Up
Using GIS/GPS and the Cloud*



Michael Naughton – Town of Huntington Highway Department
November 12, 2013 for NYGeoCon 2013

Prepare

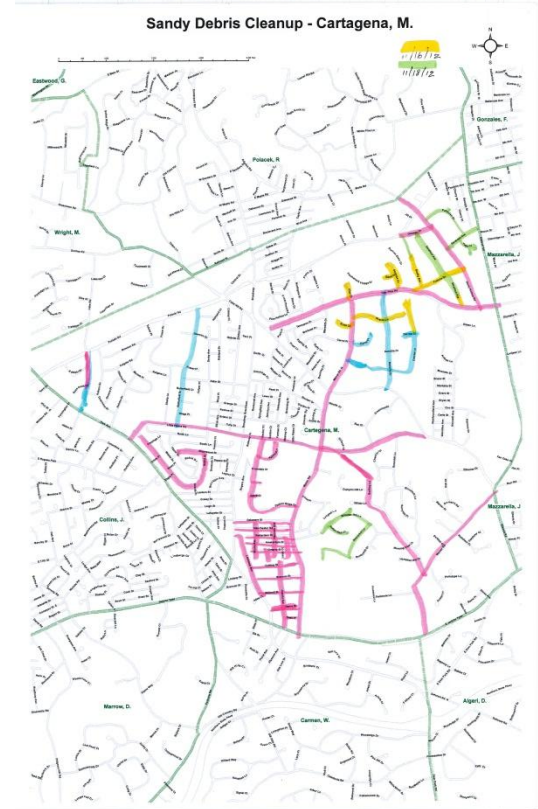
- Weather
- Needs
- Online Presence
 - Easy to use
 - Multi-User editable
 - Fast and Maybe Free

Ask?

- Visit ESRI website?
 - <http://www.esri.com/services/disaster-response/hurricanes>
- ESRI responded right away
- E-Mailed Friday before storm
- Account Saturday Morning
- Using Application on Monday

Editable Maps

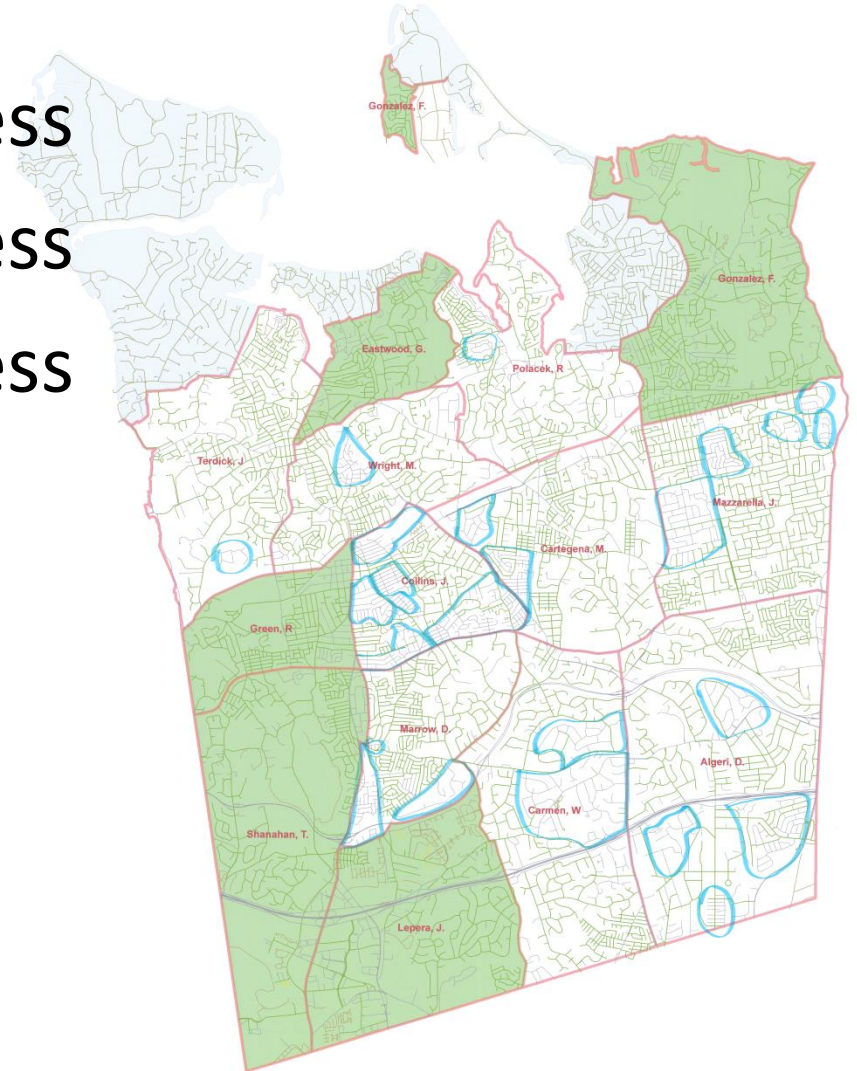
- Update every two days
- Use GPS points for verification
- Ultra low tech
- No training
- Cheap
- Drop proof



Office Maps

Town of Huntington Highway Office - Debris Cleanup Map as of 12/12/2012

- Operational Awareness
- Operational Awareness
- Operational Awareness



ArcGIS Online Maps

- Wordpress Website
- iFrame on map page
- Publish out of ArcGIS Desktop 10.1
- Just Enough or not enough information
- The power was back on and people could get now get gas for their cars

Lots of Information/Issues

- Debris Maps – ArcGIS Online
- Managed Expectations!
- 530,000 plus cubic yards
- 19,000 truckloads
- 10's of Thousands of Pictures

Technology

- Cameras – Most with No GPS
- Storage
- Redundancy
- GPS for Non GPSed Images
- HD Video

The Future, Present, and Crowdsourcing

- Leaflet
- GeoJot
- Fulcrum
- QGIS
- Twitter
- Facebook
- E-Mail
- ArcGIS
- And more.....

The End!

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