2008 Hurricane Response Activity Louisiana National Guard

Mike Liotta GIS Manager

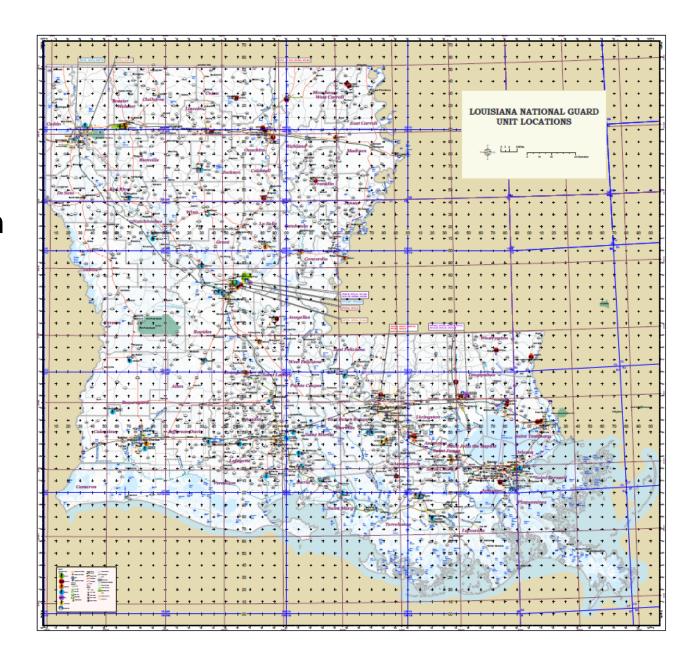




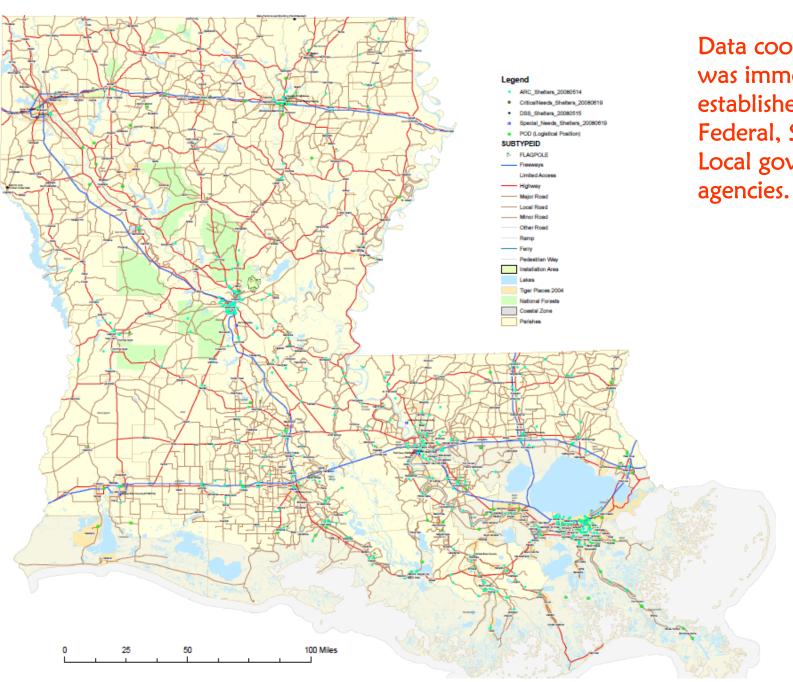
LANG Structure

- GIS management is managed by the Construction Facilities Maintenance Office/ Environmental Program.
- During times of emergency GIS staff and resources are dedicated to Joint Task Force/ Joint Operation Center
- Resources are then reimbursed based on usage.

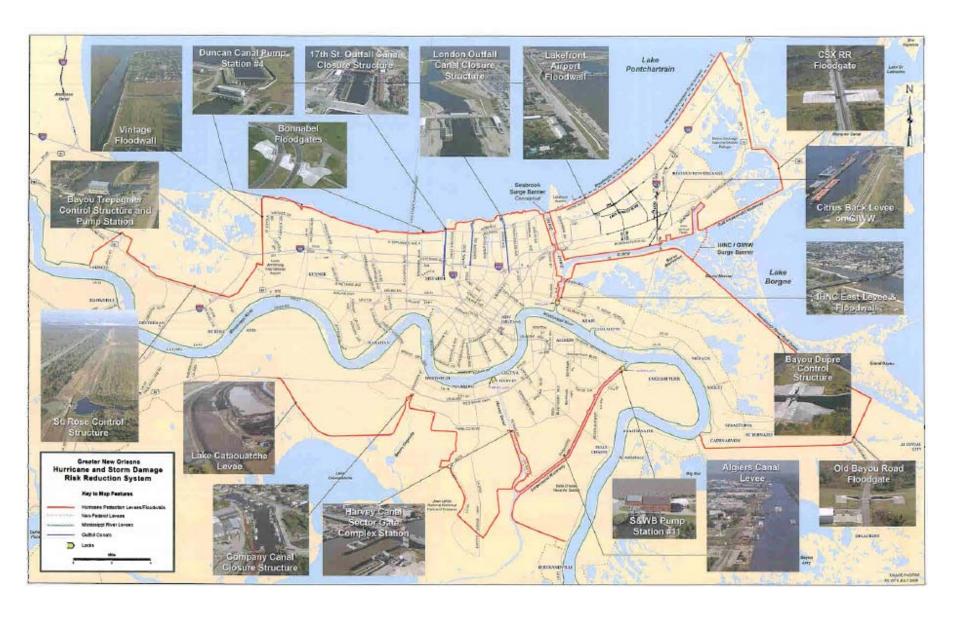
 Statewide Unit maps immediately became referenced in Operational orders, and distributed to LANG units and units from other states



LA Shelters



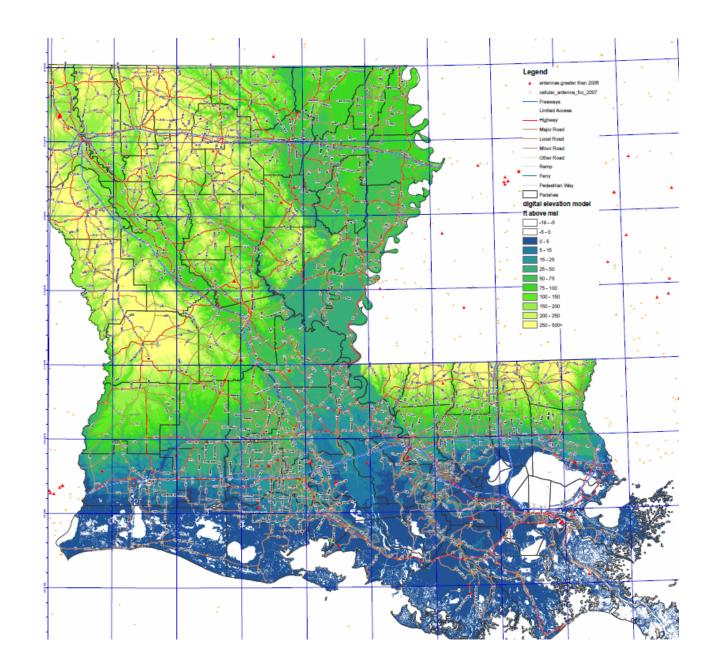
Data coordination was immediately established between Federal, State and Local government agencies.



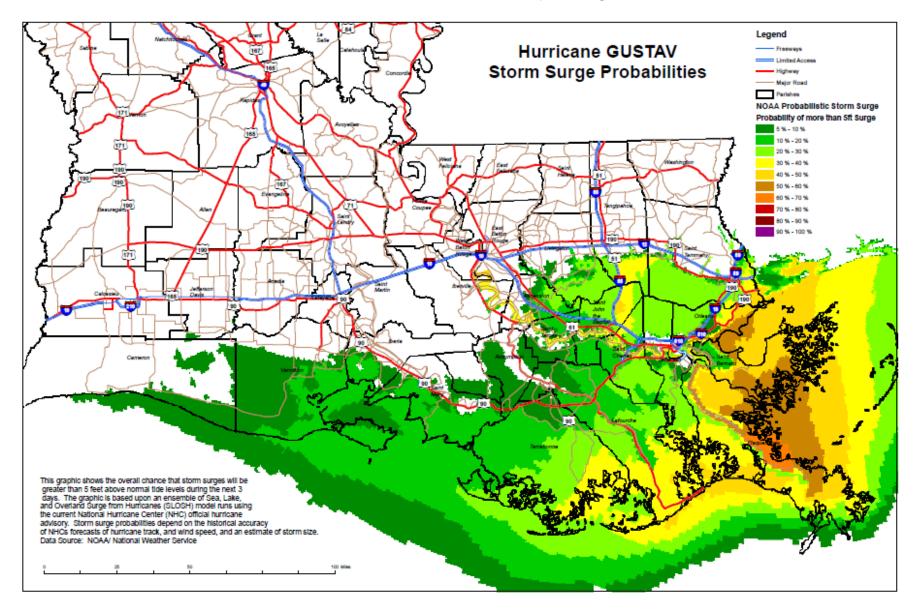
Governmental Agencies provided resources effectively using PDFs

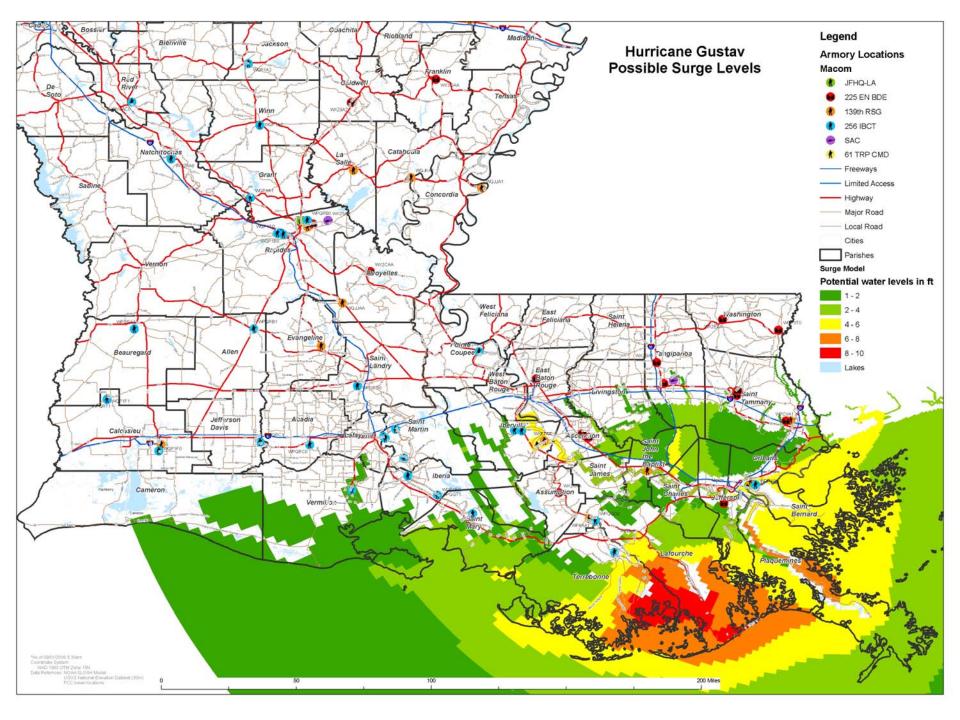


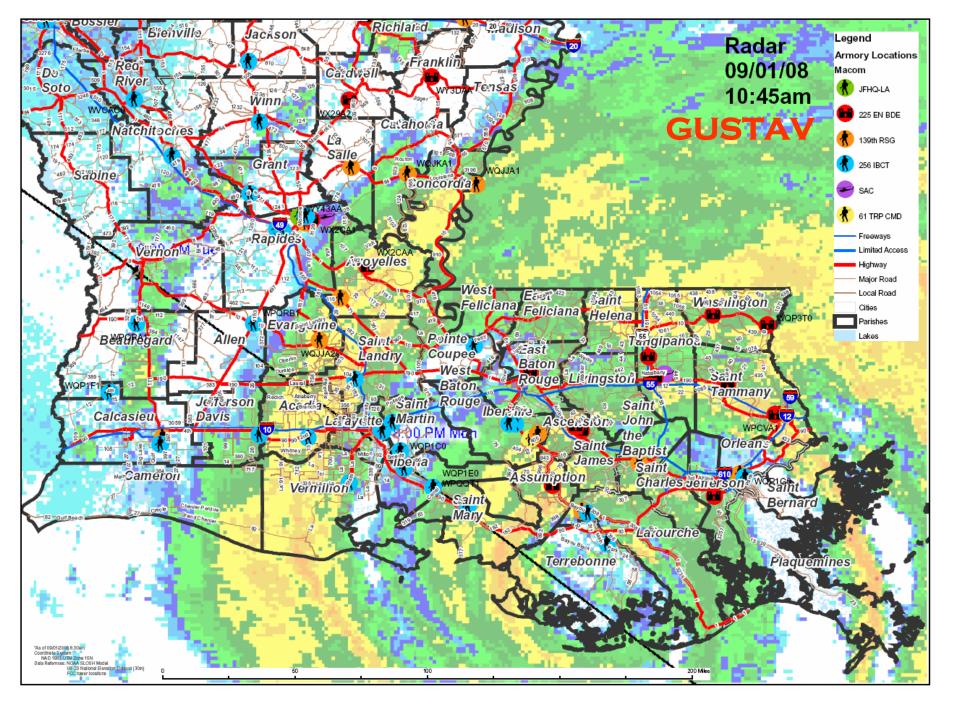
Statewide elevation data was distributed to Aviation Units to prepare for possible missions.



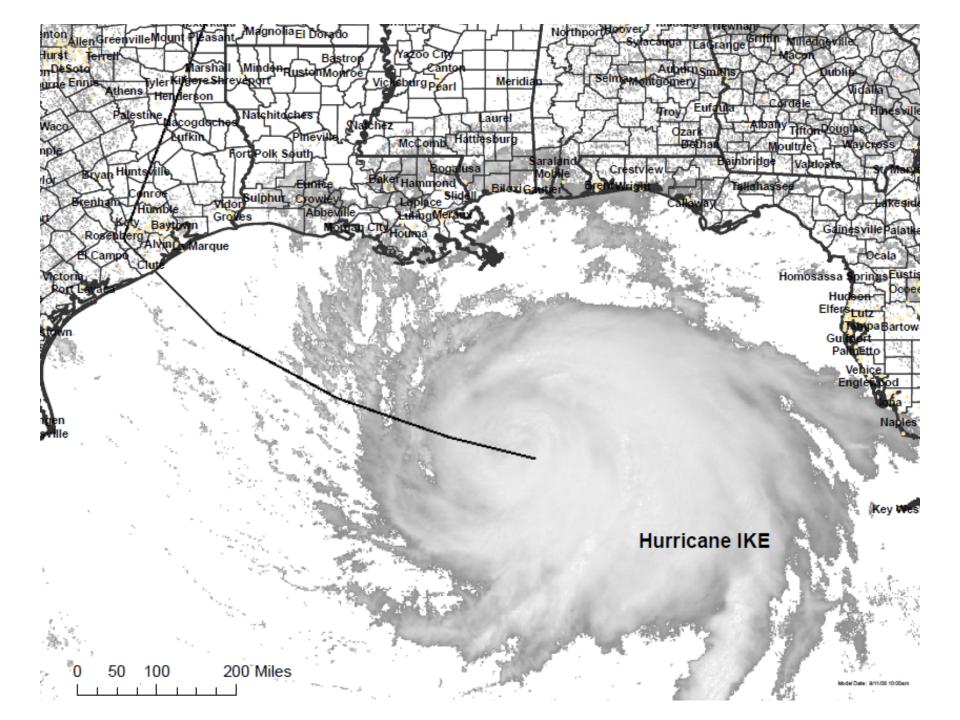
As NOAA data became available it was quickly integrated and distritbuted

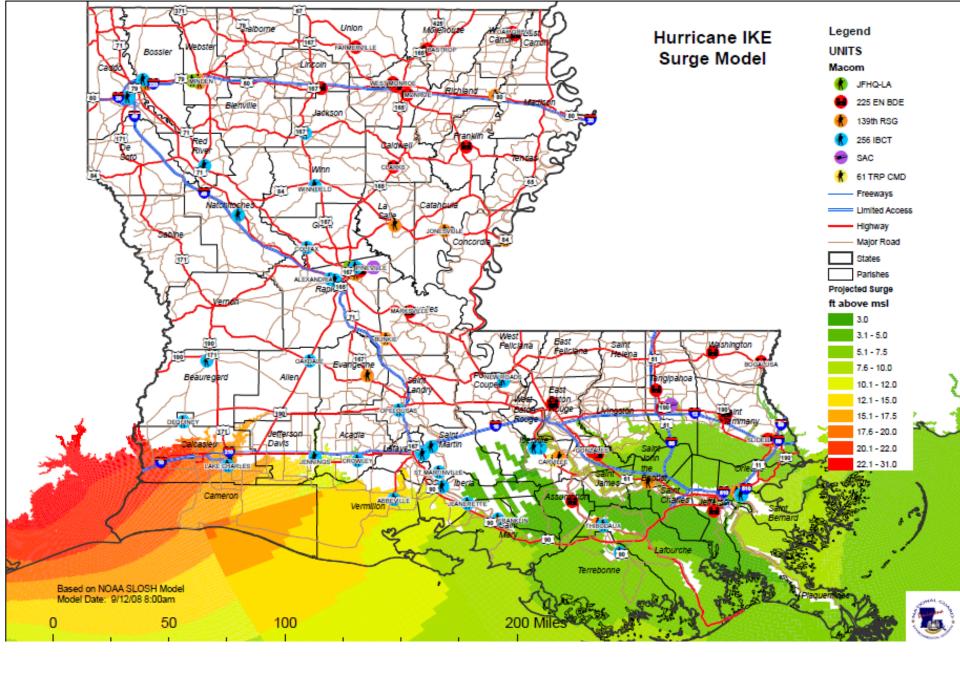


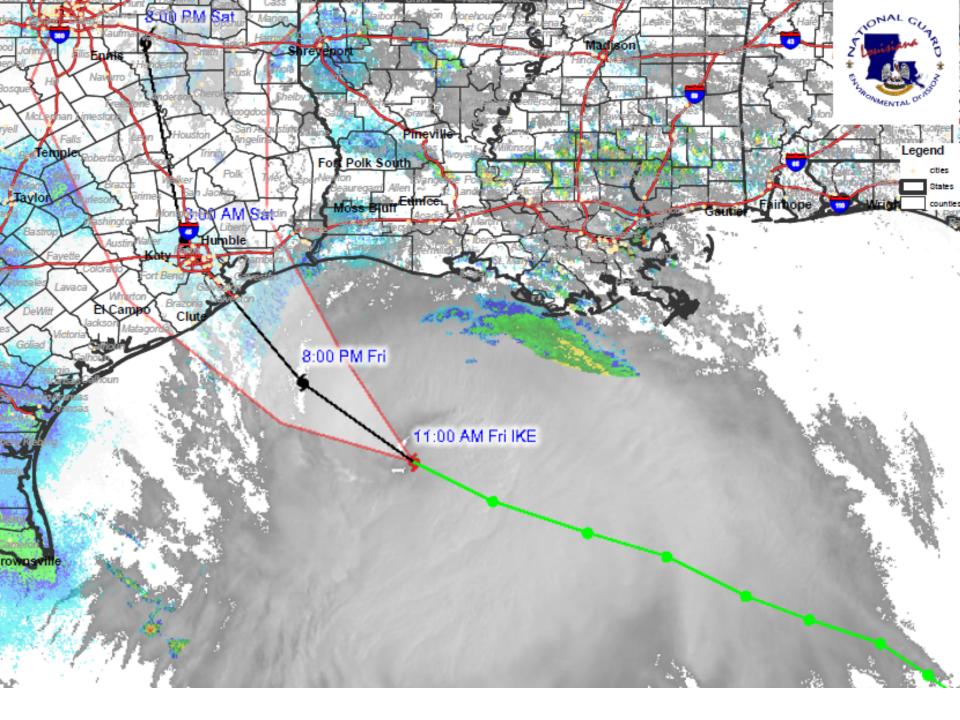


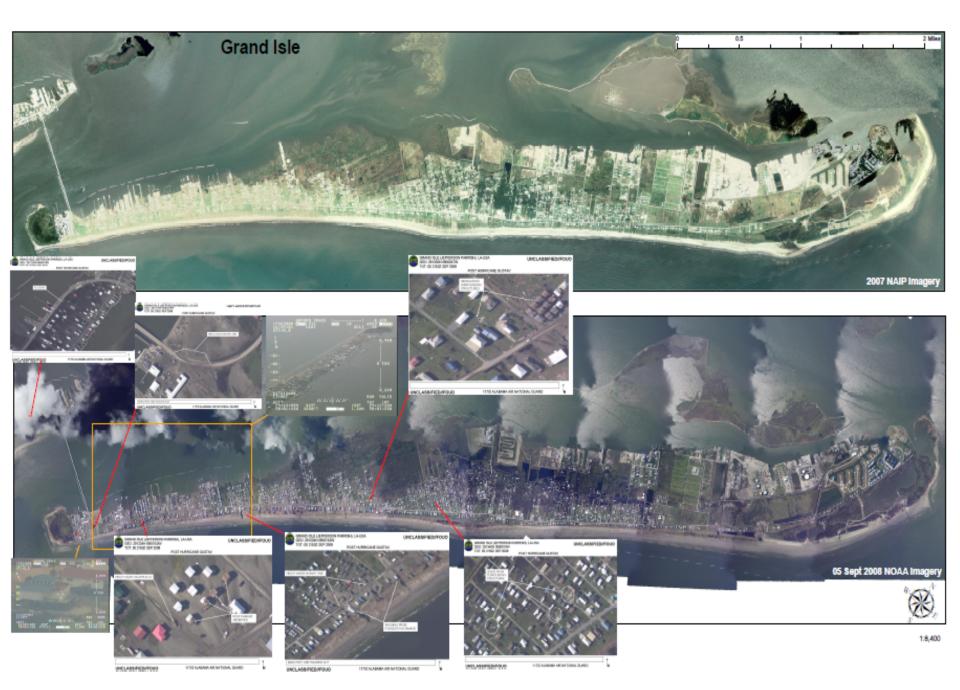


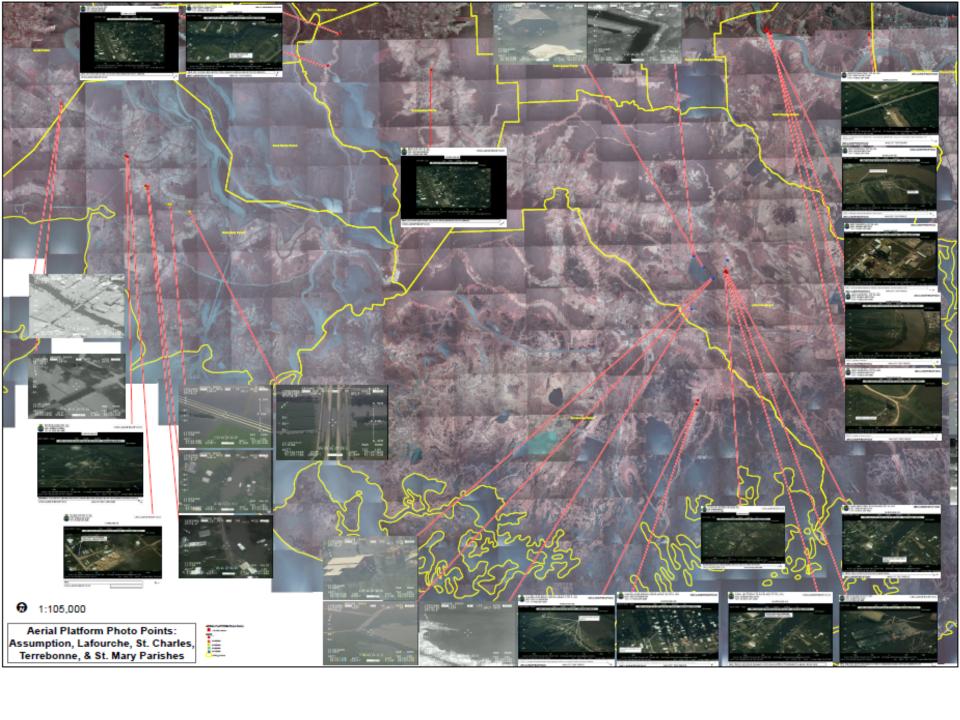












Lessons Learned

- Data Coordination has greatly improved
- Data sharing thru Web services works and improve efficiency
- When you have an abundance of data, but only a few that can actually assimilate, manipulate and analyze- distribution is difficult. You can collect all the imagery in the world, but if you can't get it in the hands of those that need it, in their remote locations, its not worth much.
- When there is no electricity, and the generator goes out, its hard to work in the digital world

After Action Review for LANG GIS

- Need a quick turn around on distributing data & imagery
- Staff needs to see a common operating picture
- Staff needs to have the ability to create situational maps with CURRENT resources



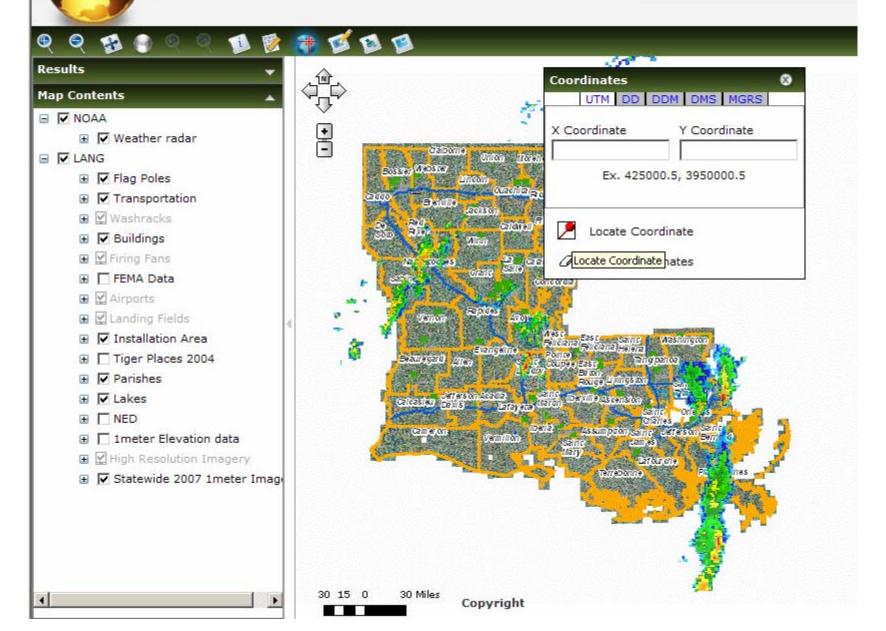
Response

- ArcGIS Server with <u>Image Server</u>
 - Point the server at a folder with imagery, and it will quickly create a service to distribute
 - Data resides on a centralized database, but each J staff can have customized viewers and with specific resources
 - Custom tools- measure, location, graphics, and export
 - Coordinate tools allow for location of points, ground identification, address locating, and then translation into other formats
 - Export tools allow each user to export their work to pdfs (and other imaging formats) using templates, which gives them the ability to email or print.

Demo



Louisiana National Guard



Louisiana National Guard

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