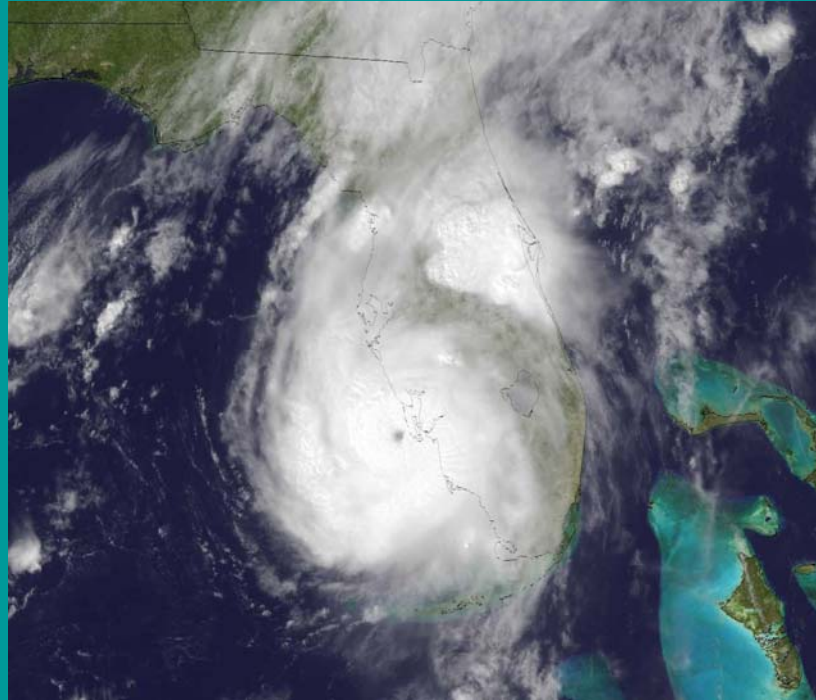# Lee County Florida
2009 MOC Damage Assessment Exercise Summary

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Damage Assessment Exercise

- Conducted during the state-wide Florida Hurricane Exercise

- Conducted county-wide over a period of one day to test the functionality of the new Damage Assessment applications used by several government entities simultaneously

- Server Software Used: ESRI ArcGIS Server Advanced 9.3

- Damage Assessment Software Used: Incident Inventory Control (I^2C) for structural assessments, Damage Assessment for Signalized Intersections (DASI) for intersection assessments

Why did we use Damage Assessment Tools Built on the ArcGIS Mobile Framework ?

- SPEED - a way to replace paper forms and get damage assessment data from the field to decision makers instantly

- SYNCRONIZATION – when field devices are synced, the server receives the collected data and in return the field devices receive all data from the server that has been synched by other field devices

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Damage Assessments Collected

- I^2C:

Preliminary Housing/Business, Full Housing/Business, Incidents (road blockages), Human Needs

- DASI:

Signalized Intersection Assets – Intersection Health, Generators, UPS, Poles, Spans/Mast Arms, Signal Heads, Regulatory Signs, Street Signs, Pedestrian Units, Street Lights

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Participants

- Lee County Building and Codes Departments (30)
- Lee County Human Services (2)
- Lee County Economic Development (2)
- Lee County DOT Traffic Division (12)
- Fort Myers Building and Codes Departments (34)
- Cape Coral Fire, Building and Codes Departments (17)
- City of Sanibel (3)
- Captiva Fire Control (2)

LEE COUNTY SOUTHWEST FLORIDA
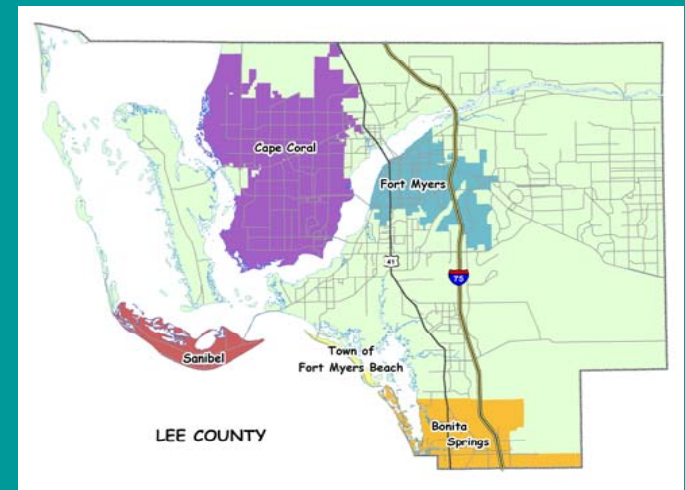
Results…

- 102 people participated in entering Damage Assessments
- 76 Teams: 1-4 people per team

- Collected 298 Preliminary Housing assessments totaling $19 Million in estimated loss
- Collected 60 Preliminary Business assessments totaling $37 Million in estimated loss
- Collected 408 Full Housing damage assessments totaling $14 Million in estimated loss
- Collected 59 Full Business damage assessments totaling $135 Million in estimated loss.
- Collected 500 Incidents (road blockages)
- Collected 45 Human Needs assessments
- Collected assessments at 55 Signalized Intersections

Damage Assessment In Action
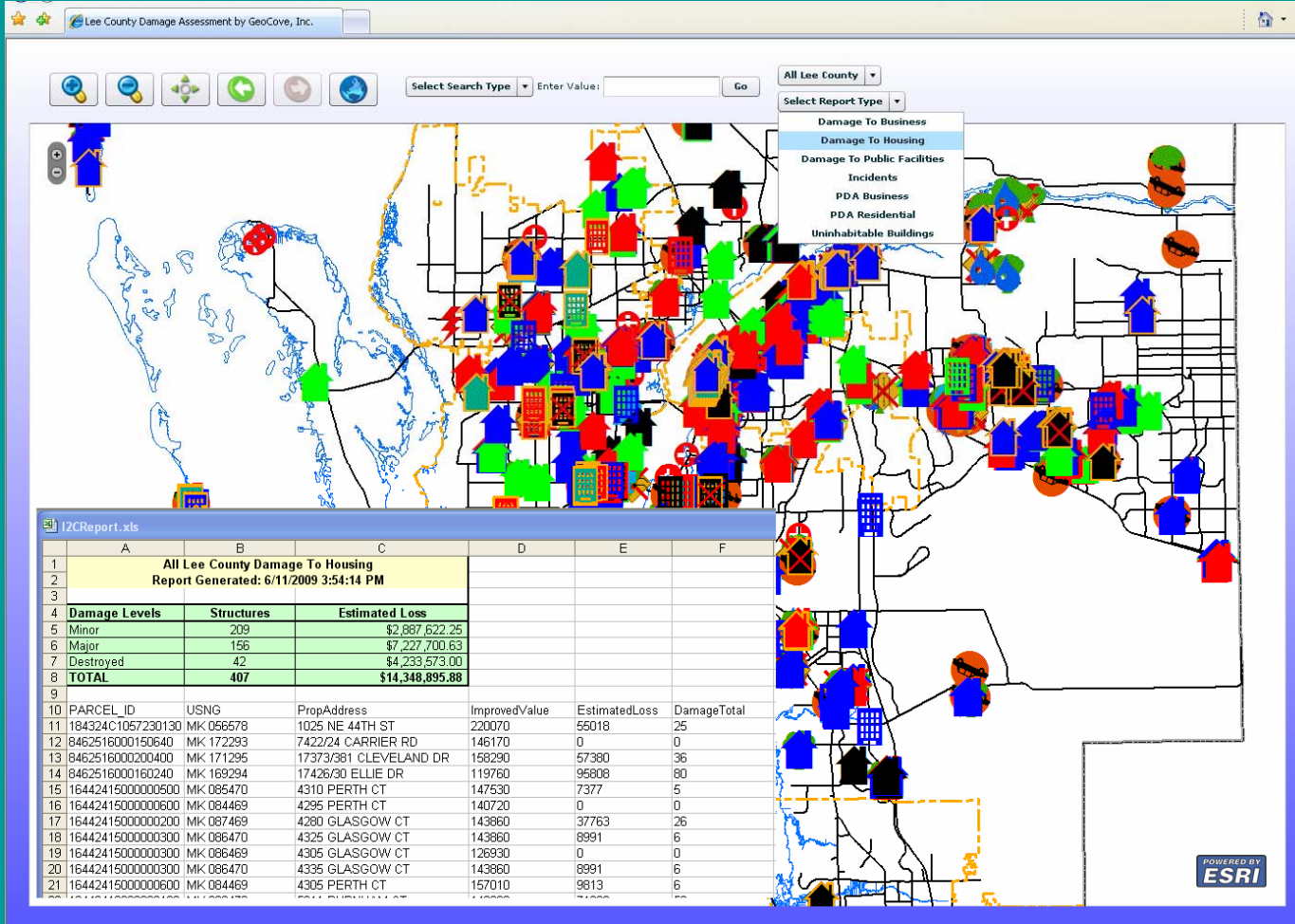
Assessment Reporting Website:
http://lcfgis05.leegov.com/I2C_Reports

Damage Assessment In Action
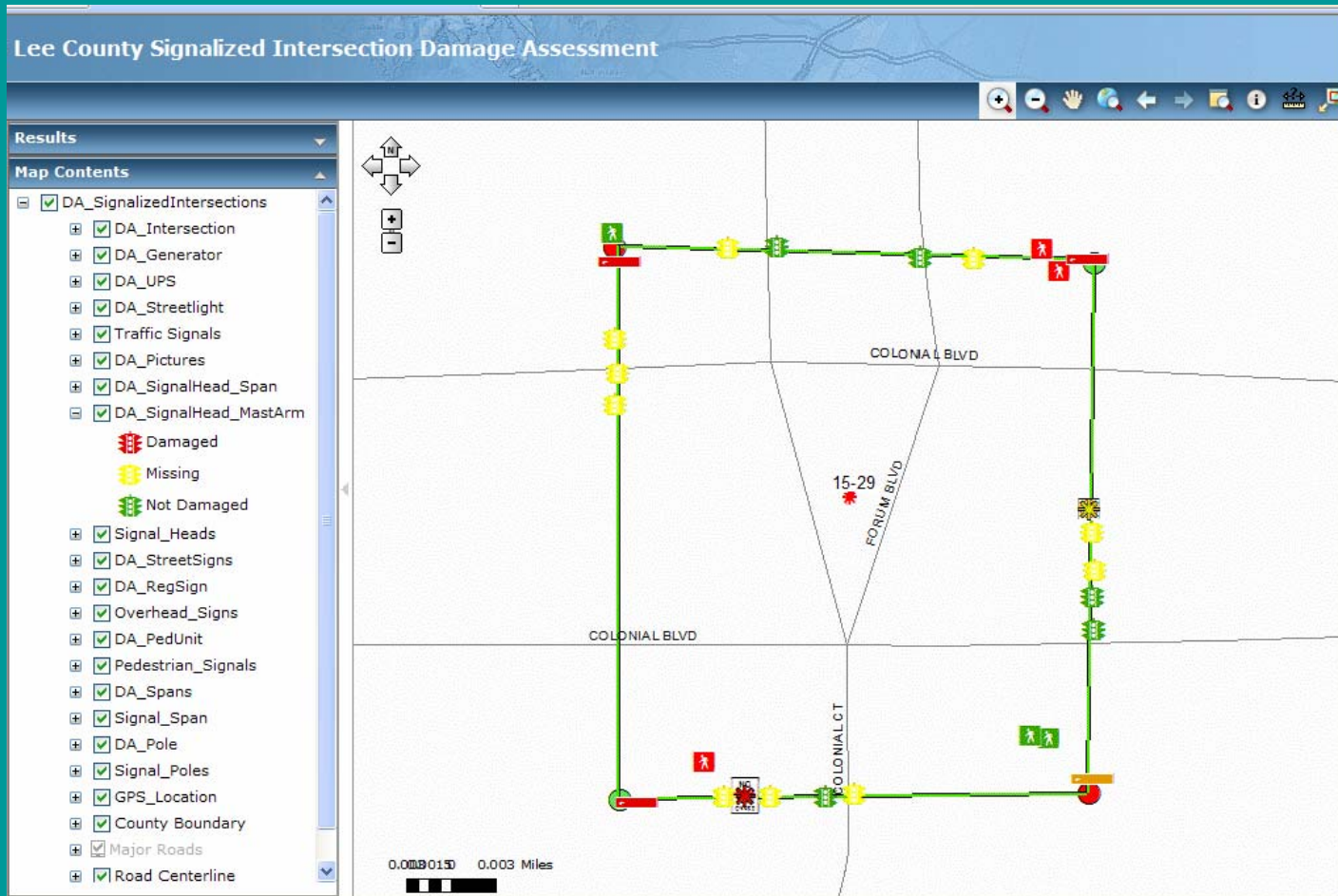
Signalized Intersection Website:
http://lcfgis05.leegov.com/DASI

Damage Assessment Activities

City of Fort Myers EOC Briefing

Damage Assessment Activities

Lee County DOT
Signalized Intersection Assessment

Damage Assessment Activities

Demonstrating Damage Assessment Reporting
Website to Lee County Emergency Management

Lessons Learned:

- Make sure to click INSIDE the parcel when creating an assessment, as that is what records the correct Parcel ID number

- Incidents are to report road or canal blockages, don't place incidents in backyards.

- I²C – no problems with the data entry or syncing

- DASI – first time it was used, found a few work flow issues and data fields that can be clarified or removed.

User Comments:

- "Exercise was time well spent" – *Michael Titmuss, City of Fort Myers Chief Code Enforcement Manager*

- "Tool is worth it's weight in gold" – *Gerald Campbell, Lee County EOC Planning Section Chief*

- City of Fort Myers Fire Chief and City Manager gave kudos for the cross municipal coordination

- "The computer based system is a great tool" – *Sarah Clarke, Lee County DOT Project Manager*

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THANKS!!!!

- Many thanks to all who participated, out in the field and behind the scenes. Thanks to Darryl Palmer, Craig Swadner, Bert Smith, and Mike Meeks for getting the application installed on all the participating field devices.

- Thanks to Karyn Tareen and her staff at GeoCove, Inc. for their hard work in getting the application ready for prime time!

Now that we are prepared… let's not have any hurricanes!!

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Lee County GIS
http://leegis.leegov.com

- – Map Downloads
- – Data Downloads
- – Links to Web Applications