

# GIS IN RECOVERY



PROCESS  
PRODUCT  
AND  
PARTNERSHIP

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Osceola County Emergency Management



# Introduction

- ◆ Osceola County – Florida
  - ◆ 1510 Square Miles – Mostly Rural
  - ◆ Population – 300,000
  - ◆ Municipalities – 2
  - ◆ Population Centers – 4 Unincorporated
  - ◆ Large Tourist Population



# Process

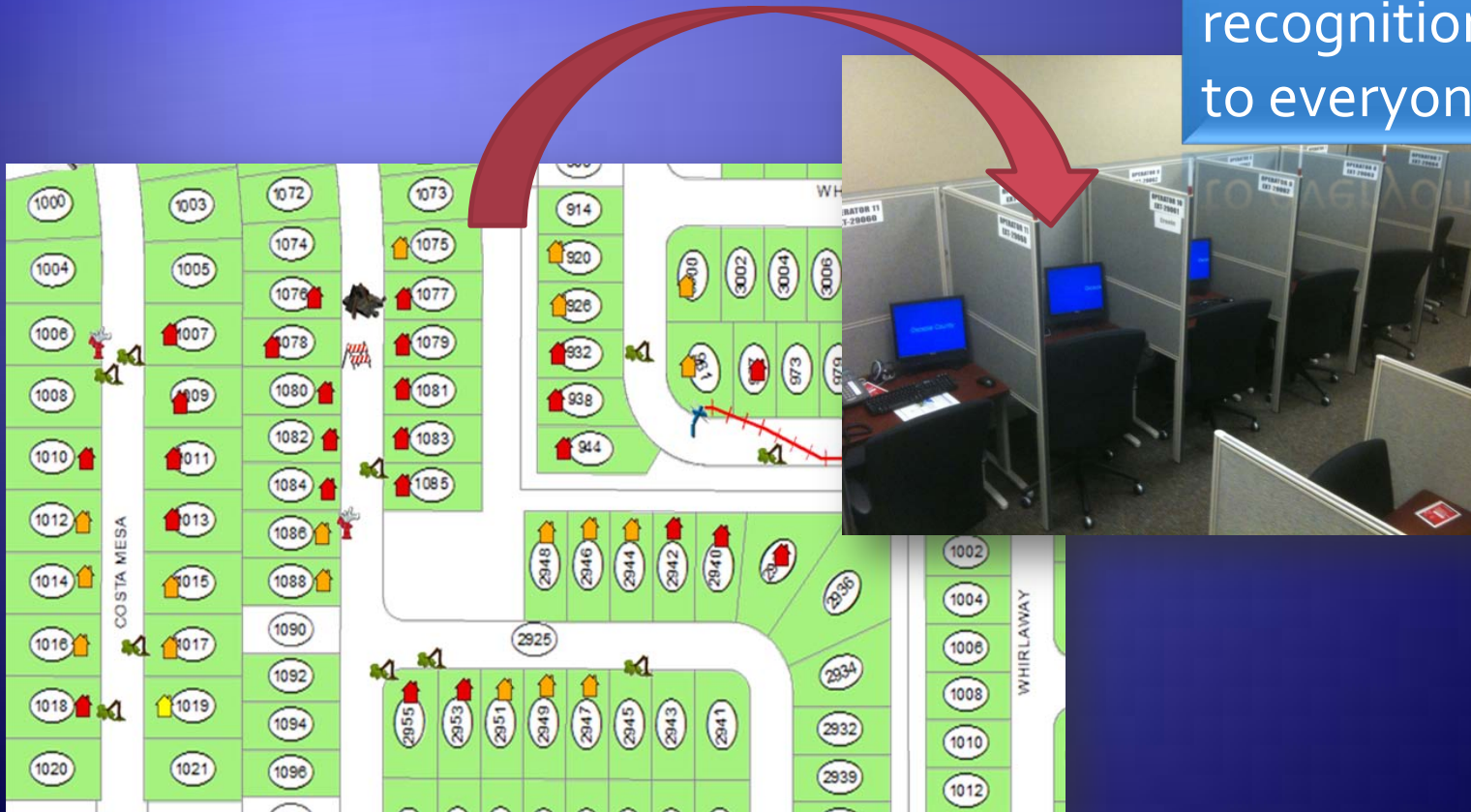
- ◆ Two Key Elements in effective Emergency Management
  - ◆ - Situational Awareness
  - ◆ - Common Operating Picture
- ◆ Regardless of phase...
- ◆ Most difficult in Recovery
  - ◆ How can we accomplish?



# Process

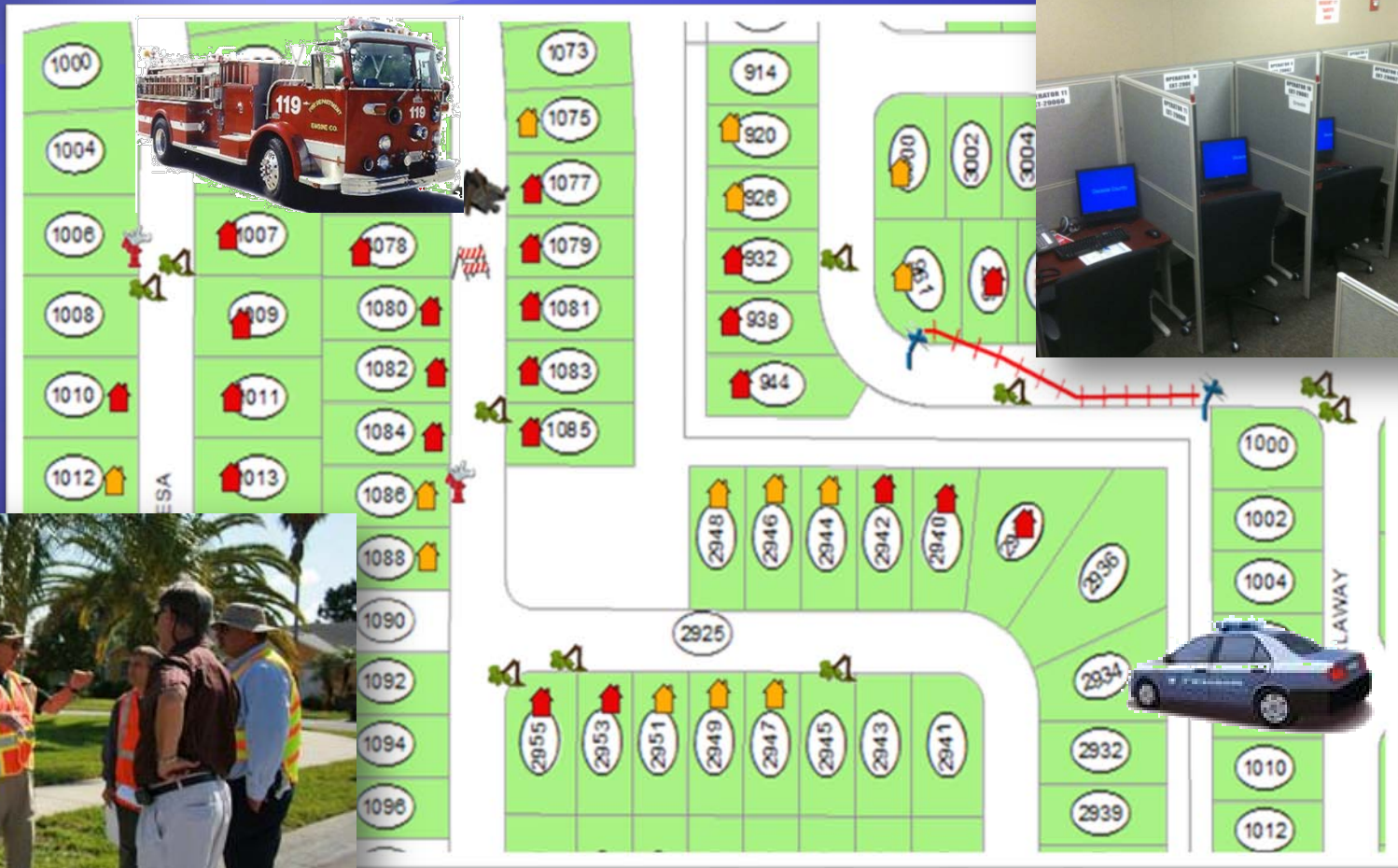
- ◆ GIS Solution...
- ◆ Before – During – After

Early pattern recognition – visible to everyone



# Process

All components use the same solution



All data synchronizes wirelessly



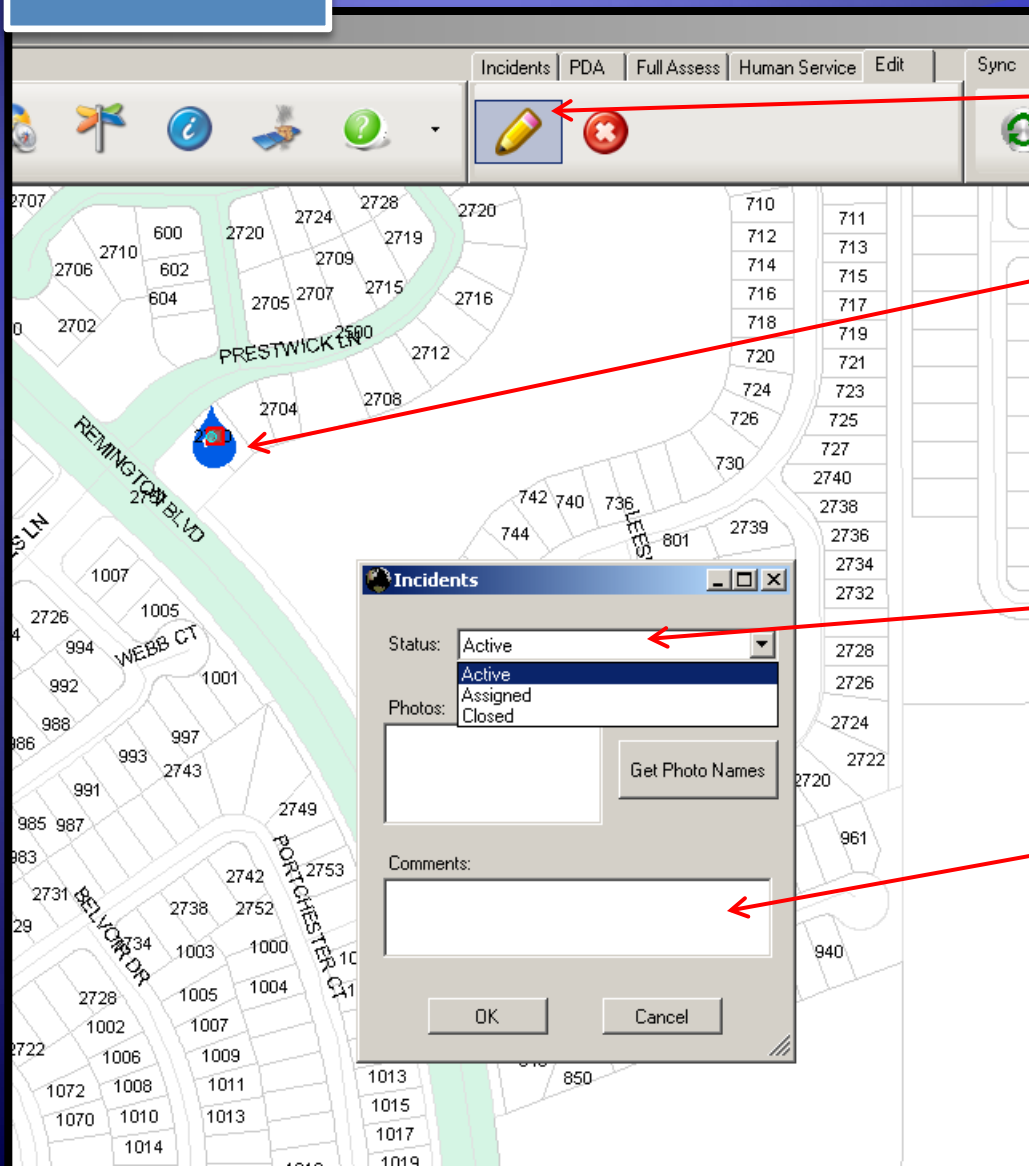
# Product

- ◆ ARM-360 Provides solution for:
  - ◆ Situational Awareness
  - ◆ Common Operating Picture development
  - ◆ Built on established GIS layers
  - ◆ Synchronizes automatically
  - ◆ GPS Tracks Units in the Field
  - ◆ Non-Invasive Installation
  - ◆ Provides Documentation



# Incidents

# Product



- Select Edit Function Tab & Pencil to Edit

- Incident Tab “Flood Feature” placed on an address - Click on Flood Feature already on the map

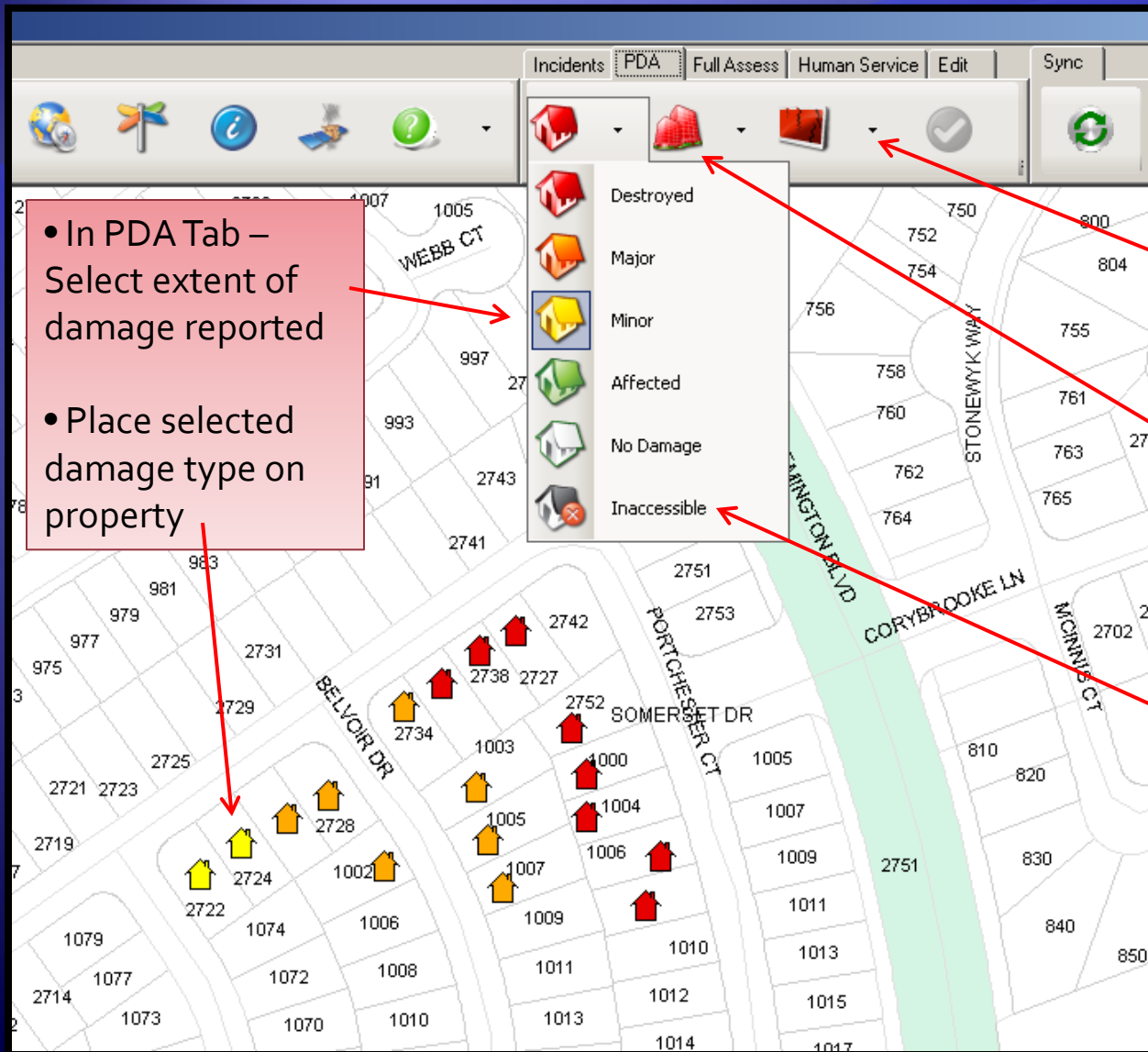
- Form appears

- Status is automatically active and may be changed

- Type comments in the Comment box for incident clarification



# Product

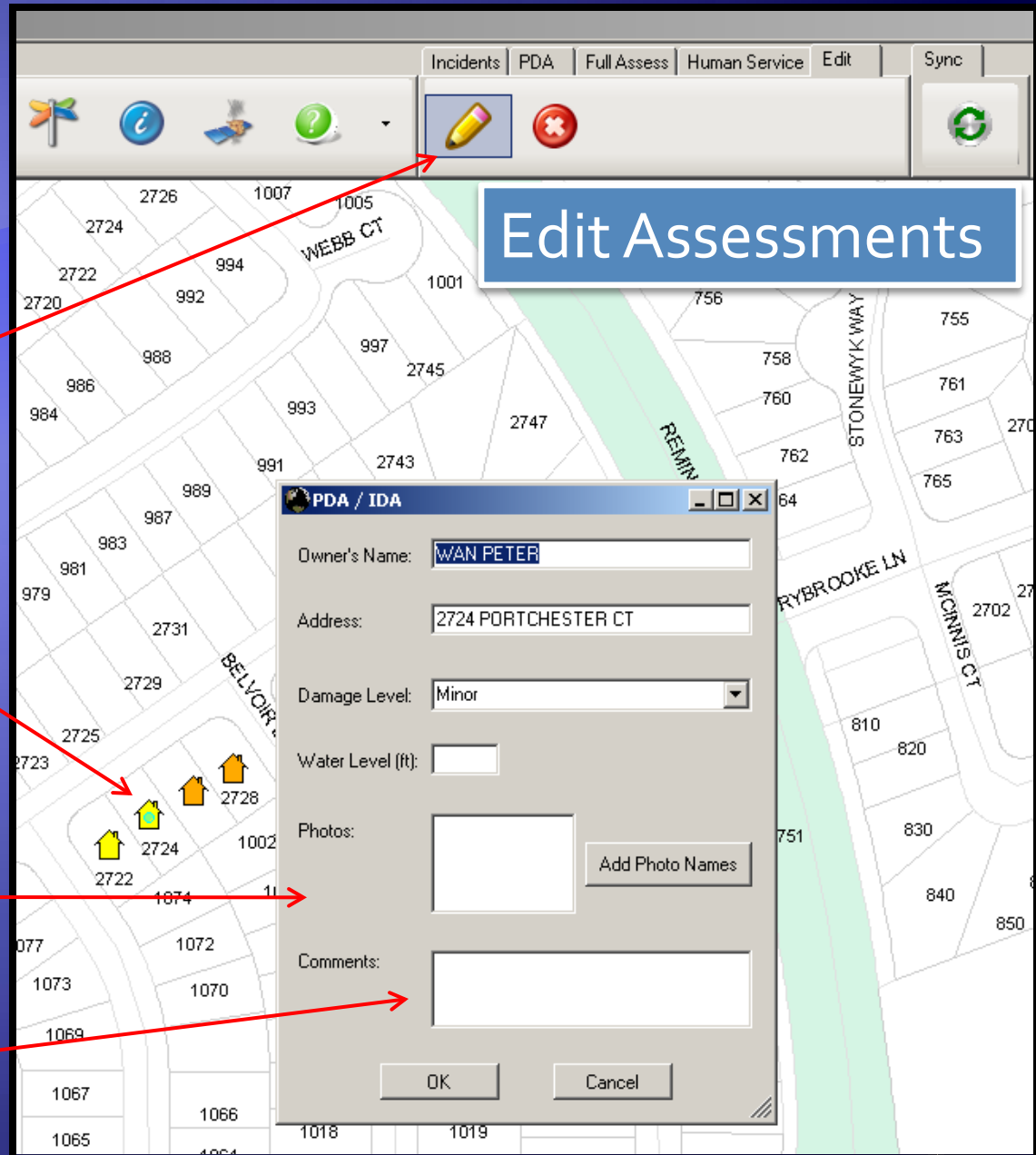


- Government Property Damage Extent
- Business/Commercial Damage Extent
- Corresponding drop-downs for extent
- Note the inaccessible choice



# Product

- To add information to the selected property – Use the Edit Function Tab and select pencil
- Select the property for editing
- Information Box appears with property owner of record
- Add Comments as necessary



# Full Assessment Capability

# Product

**Residential Damage Assessment**

Site | Structural Damage | **Damage** | Misc. Info. | Comments

Owner's Name: COSME ERIC

Address: 120 FIESTA DR

Unit:

Structure Type: SF

Construction:

Roof Type:

Window Protection:

OK Cancel

**House Damage Assessment**

Site | Structural Damage | **Damage** | Misc. Info. | Comments

No Damage

Component:

Roof

Structure Type: SF (Single Family)  
MF (Multi Family)  
MH (Mobile Home)

Roof Type: Flat  
Hip  
Gable  
Unknown

Floors

Foundation

Plumbing

Dock

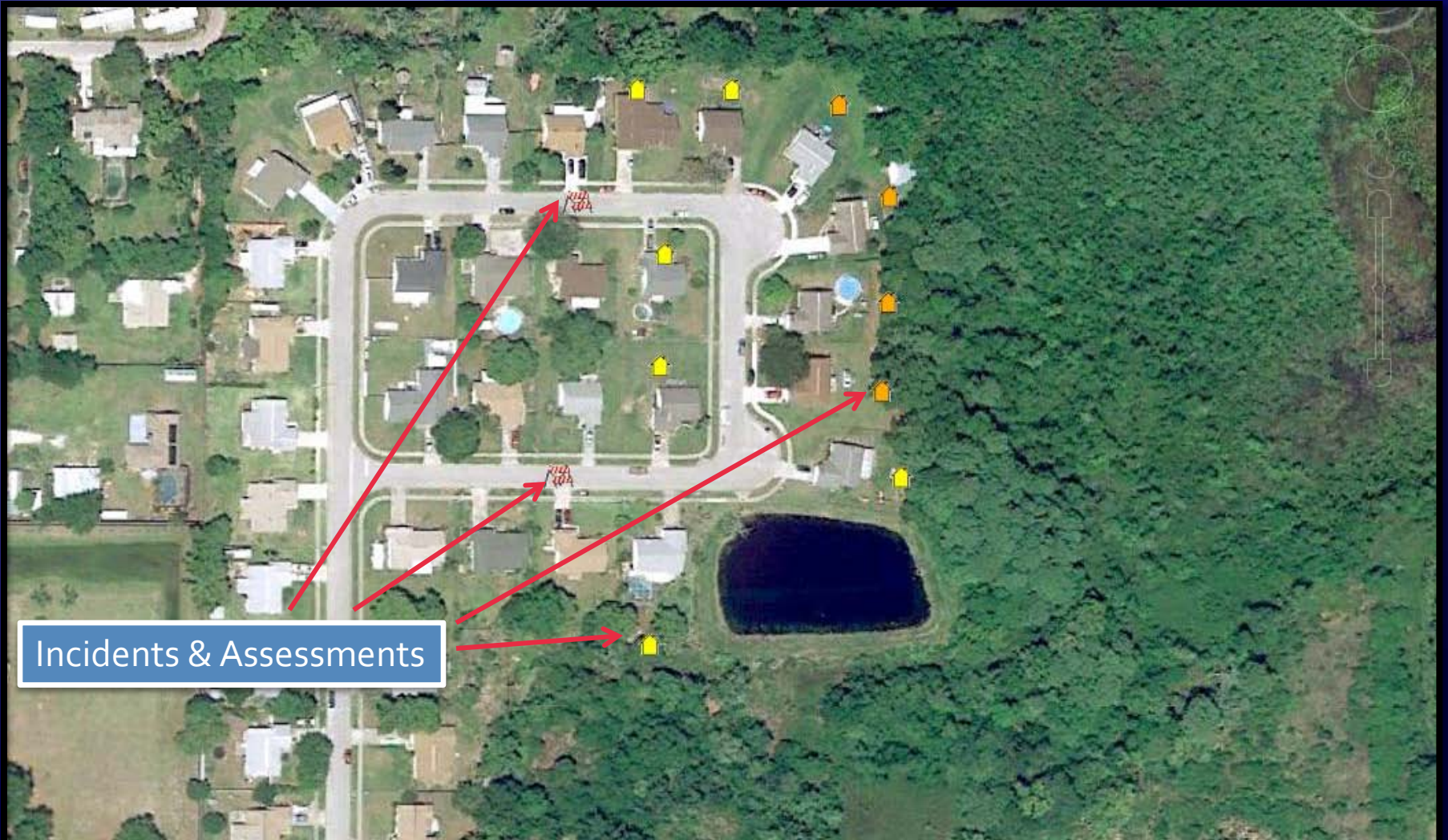
Sea Wall

OK Cancel



# Product

Live – Google Earth through KMZ creation



Incidents & Assessments

The Citizen Information Center has 11 computer positions, 1 Supervisor position and 4 Facebook/Twitter positions

ALL EQUIPPED WITH ARM-360

# Partnership

Employees staff the information center.

- Library Services
- Human Services
- Extension Services
- Info Technology

Total trained staff:  
45 Personnel



# Partnership

- ◆ We Value our Partners!
  - ◆ Assessment Team Partnership:
    - ◆ Multijurisdictional
    - ◆ Multi-agency
  - ◆ Assembled into 3 Groups
    - ◆ Orange – Blue – Red
    - ◆ 4 Teams per Group – 3 per Team
    - ◆ Rotational call schedule – Quarterly



# Partnership

- ◆ Partnership Secured by Interlocal Agreement & Signed by the Elected Officials
- ◆ Mainly because of Dedicated Individuals
- ◆ Made Our System Possible!



# Partnership

Quote:

I don't pretend to "speak computer" and I surely don't understand much at that [GIS computing] level... But I can tell you there are numerous "smart" people that are collectively working apart and together towards capturing and reporting incident data, making it easy for people like me (and maybe you too) to work easily within our assigned task or job scope. Donna Mussler, City of Kissimmee – Fire Department



# CONTACT INFORMATION

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**THANK YOU!**

