

IMPACT ASSESSMENT

EMERGENCY SUPPORT FUNCTION 19

(ESF 19)

PRIMARY AGENCY: Lake County Growth Management Department

SUPPORT AGENCIES: Lake County Fire Rescue Division
Lake County Sheriff's Office
Lake Emergency Medical Services
Lake County Public Works Department
Lake County Property Appraiser
Florida Department of Health, Lake County
Lake County GIS Division
Lake County Building Services Division
Lake County Community Services Department
Lake County Public Works Department
ESF 5
Municipalities
American Red Cross
Lake and Sumter Emergency Recovery (LASER)

I. INTRODUCTION

The purpose of ESF 19 is to coordinate the receipt and processing of damage information and to provide data that will allow for an effective and rapid Damage Assessment of Lake County following an emergency. Damage Assessment will be conducted in two (2) distinct phases when recovery operations commence.

II. CONCEPT OF OPERATIONS

- A. General: Staff assigned to the field portion of this ESF assemble when notified by the Lake County EOC. They will gather prior to the anticipated impact of a forecast event at a location designated by ESF 19. If there is no prior incident warning, personnel will assemble at a location designated by the EOC. ESF 19 and ESF 5 staff in the EOC will be the focal point for all damage information received, regardless of the source. These sources may be from the Citizen Information Line, First In Teams or Follow Up teams in the field, news reports, public safety personnel, or other county agency. All county staff report damage information as they observe it while performing their assigned duties.

B. Phase One: Initial Operations will be conducted by the **First In Team (FIT)**. These teams will deploy as soon as possible when the EOC directs using a sector approach. These task forces will be comprised of staff from different disciplines/departments. Their focus will be to obtain an initial, very rough estimate of physical and infrastructure damage and cost estimates incurred and will focus on:

1. Aerial Assessment
2. Road status
3. Casualties
4. Hospital Damage
5. Residential Damage
6. Utility Outages
7. Commercial Facility Damage
8. Schools
9. Safe and Unsafe Structures
10. Debris Collection and Disposal Calculation

ESF 5 will enter reports of damage into the ESF 19 database. ESF 19 and ESF 5 will coordinate with GIS to plot reported damage and obtain a graphic display of damage and affected areas.

C. During Phase One operation: Property appraiser and ESF 19 will tour the affected area to determine the boundaries of the affected area. This data will be used to provide the geographical data necessary for the Follow-up Teams as needed.

D. Follow-up Teams: These teams, including FEMA and SERT, will deploy to areas of the county based on information provided by the grid map generated by GIS. Their focus will be on more detailed assessment and financial damage estimates and human needs in the affected area(s). Efforts will be made to identify any future mitigation opportunities to be considered post-disaster. These teams will concentrate on:

1. Residential Damage

2. Commercial Structure damage
3. Schools
4. Human Needs requirements

ESF 5 will enter reports of damage into the ESF 19 database. ESF 19 will coordinate with GIS to plot reported damage and obtain a graphic display of damage and affected areas. Maps will be generated by GIS to identify areas by the grid map using the section-township and ranges as well as the tax roll to identify each parcel within each one square mile box.

Data collected will be reviewed post-disaster and incorporated into future hazard and vulnerability analysis.

III. ORGANIZATION:

- A. Lake County Growth Management will provide staff for this ESF.
- B. First In Team (FIT) Staffing: Staffing for these Task Forces will be provided as follows:
 1. Public Works – Task Force Chief for each team
 2. Fire Rescue
 3. Hazmat
 4. Lake County Sheriff's Office
 1. Lake EMS
- C. Follow-up Team Staffing: Staffing for these task forces will be provided as follows:
 1. Lake County Property Appraiser – Task Force Chief for each team
 2. Florida Department of Health, Lake County
 3. Lake County Community Services Department
 4. American Red Cross
 5. Lake County Building Services Division

IV. RESPONSIBILITIES**A. Lake County Growth Management**

1. Maintain Annex 19.
2. Conduct necessary training for First-In-Teams and Follow-Up Teams as needed.
3. Coordinate with Planning Chief on assembly, sheltering and deployment of First-In-Teams and Follow-Up Teams.
4. Coordinate graphics requirements with GIS staff.
5. Maintain current rosters of all team members.
6. Coordinate logistics needs with Logistics Section.
7. Determine deployment sectors and routes of travel for teams based on damage reports.

B. Fire Rescue/Hazmat

1. Provide Fire Rescue vehicles/crews for FIT teams.
2. Assist in communications support.
3. Assist immediate life saving actions as needed.
4. Assess any HAZMAT danger.
5. Assist in collection and recording of damage assessment Information.
6. Provide staff for training when scheduled.

C. Lake County Sheriff's Office

1. Assess Law enforcement needs in affected area(s).
2. Assist in communications to EOC.
3. Assist in collection and recording of damage via aerial support.
4. Provide staff for training when scheduled.

D. Lake EMS

1. Provide immediate life saving services as needed.
2. Determine initial medical needs in affected areas.
3. Assist in collection and recording of damage assessment information.
4. Provide staff for training when scheduled.

E. Public Works

1. Assist in vehicle support.
2. Determine initial financial estimate of damage on roads.
3. Provide expertise on level of structural damage.
4. Assist in collection and recording of damage assessment information.
5. Provide staff for training when scheduled.

F. Facilities

1. Conduct initial assessment of infrastructure damage.
2. Provide expertise on level of structural damage.
3. Assist in collection and recording of damage assessment information.
4. Provide staff for training when scheduled.

B. Property Appraiser/Building Services Division

1. Provide and update the ESF 19 database with detailed financial estimate of facility damage.
2. Identify facilities that may require more in depth assessment information.
3. Provide staff for training as scheduled.
4. Use aerial assessment as necessary.

C. Health Department

1. Assess health and medical needs in affected areas.
2. Assist in collection and recording of damage assessment information.
3. Provide staff for training when scheduled.

D. Community Services/Red Cross/The Salvation Army

1. Assess human needs in affected areas.
2. Advise EOC on initial estimates of food/water requirements.
3. Verify location and condition of designated PODs in the affected area(s).
4. Assist in collection and recording of damage assessment information.
5. Provide staff for training when scheduled.

E. Building Services

1. Provide habitability assessments for damaged residences.
2. Provide structural damage assessment.
3. Assist in the collection and recording of damage assessment Information.
4. Provide staff for training when scheduled.
5. Coordinate data with Property Appraiser.

- F. Municipalities will establish internal damage assessment procedures and forward damage reports to ESF 19 through their appropriate liaison representative in the EOC. This representative will then ensure that damage reports are recorded and provided to ESF 5 staff and Lake County GIS.

V. FINANCIAL MANAGEMENT

All costs will be tracked and recorded by a system prescribed by the Lake County Fiscal and Administrative Services Department. Costs to be recorded and tracked include overtime labor, equipment, supplies, etc

VI. REFERENCES AND AUTHORITIES

1. Basic Plan

VII. DAMAGE CRITERIA

Destroyed Structure Description

Definition: Structure is a total loss. Not economically feasible to rebuild. Permanently uninhabitable.

General Description: Complete failure of major structural components (complete collapse of wall or roof). Structure leveled above the foundation or second floor is gone. Foundation or basement is significantly damaged.

Things to Look For: Structure leveled or has major shifting off its foundation. Only the foundation remains. Roof is gone. Noticeable distortion to walls. For mobile homes, significant damage to the roof covering, sheathing and framing.

Note: A structure can also be considered destroyed if it is red-tagged or condemned.

Major Structure Description

Definition: Building has sustained structural or significant damage and is currently uninhabitable. Extensive repairs are necessary; the structure cannot be made habitable in a short period of time.

General Description: Substantial failures to structural elements of the residents. Walls partially collapsed. Exterior frame damaged. Roof off or partially collapsed. Major damage to utilities: furnace, water heater, well, septic system. Shifting or settling of the foundation.

Things to Look For: Portions of the roof missing. Roof clearly lifted. Single family – twisted, bowed cracked or collapsed walls. Structure penetrated by large foreign object, such as tree. Damaged foundation. Flooring structurally unsound. Mobile home displaced from foundation. Mobile home structural components damaged – windows, doors, wall coverings, roof, bottom board insulation,

ductwork and/or utility hook up. Can rafters be seen? Any shifts or cracks in structural elements?

Note: The difference between major and minor is about the level of uninhabitability. Both major and minor are uninhabitable, but major damage will typically keep residents out of their home for a month or more.

Minor Structure Description

Definition: Structure is damaged and uninhabitable. Minor repairs are necessary to make the structure habitable – but they can be completed in a short period of time. The dwelling has some damage, but can be used without significant repair.

General Description: Not safe to stay here – interior flooring/exterior walls with minor damage. Tree(s) fallen on structure without penetrating. Smoke damage. Minor damage to structural elements.

Things to Look For: One wall or section of roof with unsafe but minor damage. Many broken windows. Buckled or broken window frames or doors (security issue). Minor damage to the septic system or other utilities. Mobile home structural elements sustained minor damage – windows, doors, wall coverings, roof, bottom board insulation, ductwork and/or utility hook up.

Note: Ask yourself, “Is it safe to stay here tonight?” “Is this damage structural?” Are ALL entrances structurally weak or dangerous?

Affected Structure Description

Definition: Structure has received minimal damage and is habitable without repairs.

General Description: Damage in which the home is safe to live in, but has been affected by the storm. Damage that is affected may occur to outside but connected structures (garage, porch, carport, etc).

Things to Look For: Chimney or porch damaged. Carpet on first floor soaked. A broken window. Damage to cars. Few missing shingles, loose, missing siding. Damage to air conditioning exterior unit. Some minor basement flooding.

Note: Remember, the difference between affected and minor is about **habitability**. Can I stay here safely tonight? If the damage is cosmetic only, the structure is affected.

Inaccessible Structure Description

Definition: Known structures exist in an area that the team or resident cannot safely enter in order to verify damage.

General Description: Blocked access due to flooding, downed trees, unhealthy conditions. Resident may have no damage but cannot reside in the home (ex. Apartment complex where only the first floor is flooded but all levels are inaccessible).

Things to Look For: No feasible way to gain access to verify damage. Appears that the resident has only been affected but cannot gain access.

Note: Inaccessibility is relevant to team or resident. If team cannot enter – find out from locals how many homes are in the inaccessible area. Do everything you can to see damage. If team can enter to see damage but residents reasonably cannot, then mark the actual damage level (destroyed, major, minor). DO NOT MARK IT INACCESSIBLE. The exceptions are affected homes that are also inaccessible—mark them inaccessible.

EQUIPMENT AND SUPPLIES NEEDED BY IMPACT/DAMAGE ASSESSMENT TEAMS**Personal Equipment**

- Appropriate personal clothing (*for prevailing weather conditions*)
- Boots (*steel-toed, safety boots preferred*)
- Gloves, coveralls, rubber boots
- Hard hat
- Safety vest
- Raincoat or poncho
- Flashlight, with extra batteries
- Extra pair of eyeglasses, as needed
- Personal medications, as needed
- Insect repellent
- Official identification and authorization documents or cards

Impact Assessment Issued Equipment

- Copy of this procedure
- Paper, pencils, clipboard, etc.
- Multiple copies of Impact Report Forms
- Written instructions, maps, etc., pertinent to the survey area(s)
- Communication equipment (*cellular telephone, radio, other*)
- Spray paint (multiple colors)
- Gas can and fuel supply
- Danger tape
- Blankets
- Binoculars
- Global Positioning System (GPS) unit or compass
- Tire patch kit (if available)
- Heavy ropes
- Water
- Portable lights