

An aerial photograph of a coastal region, likely a delta or estuary, showing a complex network of waterways and land parcels. The land is a mix of green and brown, indicating vegetation and bare earth. The water is a deep blue. Overlaid on the image are numerous yellow lines that delineate various geographical boundaries, such as property lines, administrative districts, or environmental zones. The text is centered in the upper half of the image.

GIS APPLICATIONS FOR EMERGENCY MANAGEMENT AND COMMUNITY ENGAGEMENT

EBR **GIS**

CITIZEN ENGAGEMENT MATURITY PATH

Community Members Regularly Partner on Initiatives

Community

Sustained Two-Way Community Collaboration

Initiative Team Formation

Initiative Focused Interaction

Ad Hoc Community Involvement

Community Self-Service

Frequent Data Contribution from Community

Community Analysis, App, and Solution Contribution

Collaborators Contribute Data and Analysis

Organizing Data, Apps, and Analyses around Initiatives

Formalized Open Data

Point Solutions and Apps

Websites

Local Government

One-Way Policy Communication

INITIATIVE THINKING INSPIRES INNOVATION

INNOVATION IS CAUSED BY:

- CHANCE
- MAJOR SYSTEM FAILURE
- FOCUSED EFFORT FROM MANY STAKEHOLDERS

INNOVATION LEADS TO:

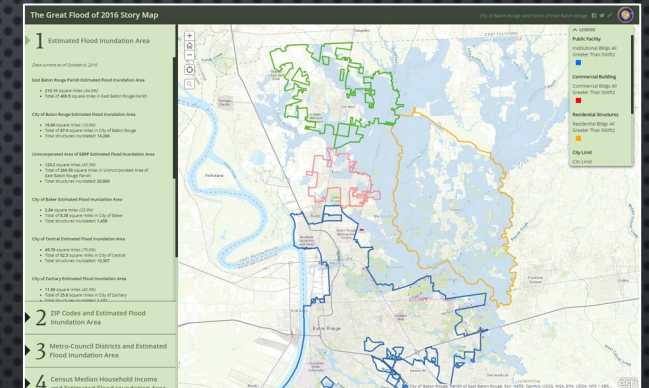
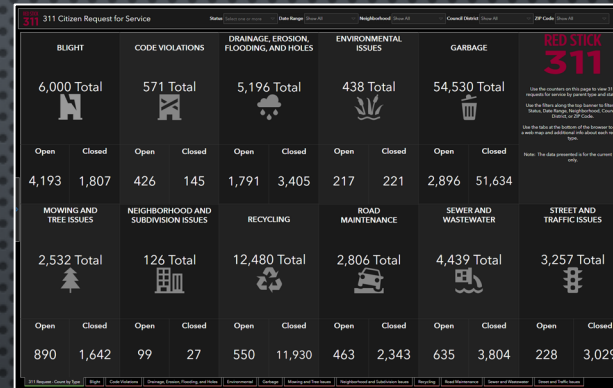
- EFFICIENCY
- PRODUCTIVITY
- QUALITY
- COMPETITIVENESS
- MARKET SHARE



INNOVATIVE SOLUTIONS SUPPORTING INITIATIVES

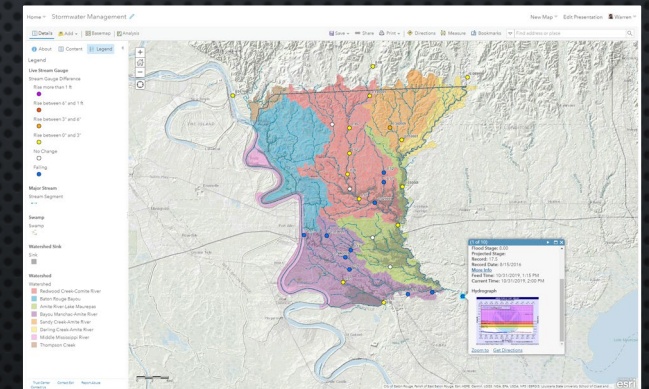
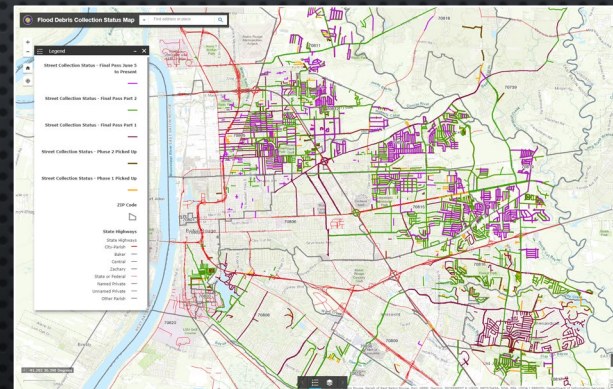
EXISTING

- 311 DASHBOARD
- FLOOD INUNDATION MAPPING
- STORM DEBRIS REMOVAL
- STORMWATER MANAGEMENT



DEVELOPING

- SEARCH AND RESCUE OPERATIONS
- RISK-BASED POLICING
- PRELIMINARY DAMAGE ASSESSMENTS

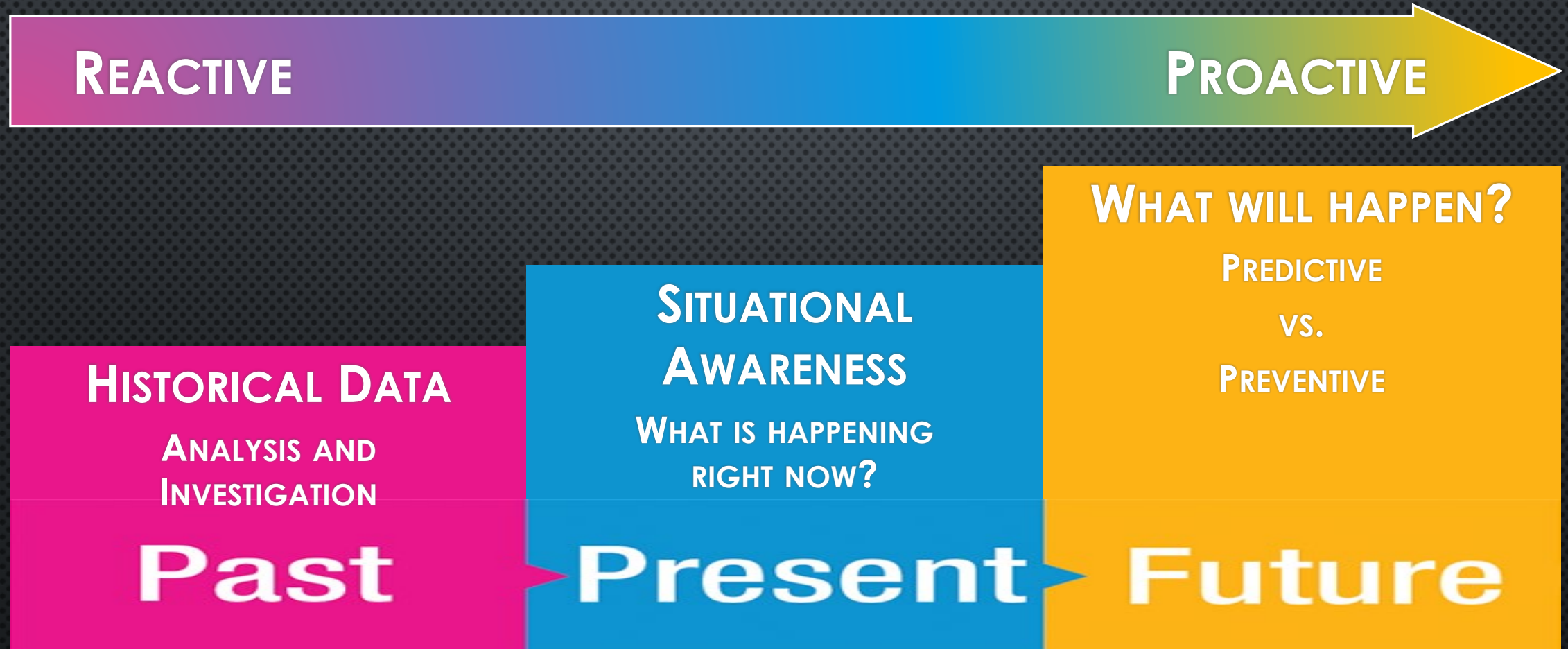


SEARCH AND RESCUE OPERATIONS

- **OLD WAY** – PRINTED CUSTOM GRID MAPS
- **INTERIM WAY** – LAMINATED USAR GRID MAPS
- **NEW WAY** – SURVEY123 APP AND REAL-TIME DASHBOARD



PUBLIC SAFETY COMMON OPERATIONAL PLATFORM



REACTIVE

PROACTIVE

HISTORICAL DATA

**ANALYSIS AND
INVESTIGATION**

Past

**SITUATIONAL
AWARENESS**

**WHAT IS HAPPENING
RIGHT NOW?**

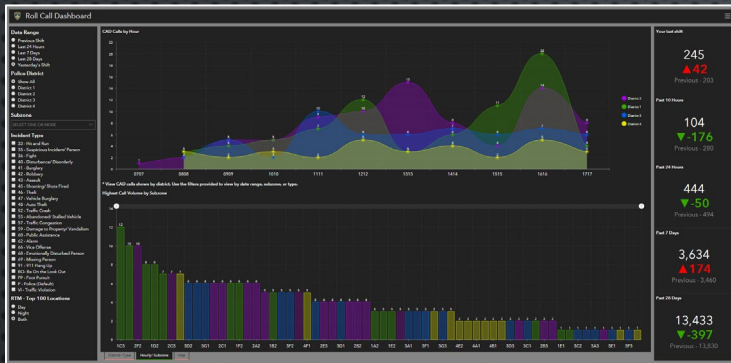
Present

WHAT WILL HAPPEN?

**PREDICTIVE
vs.
PREVENTIVE**

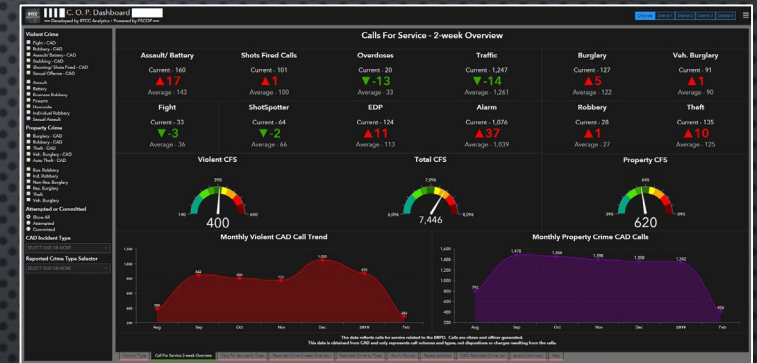
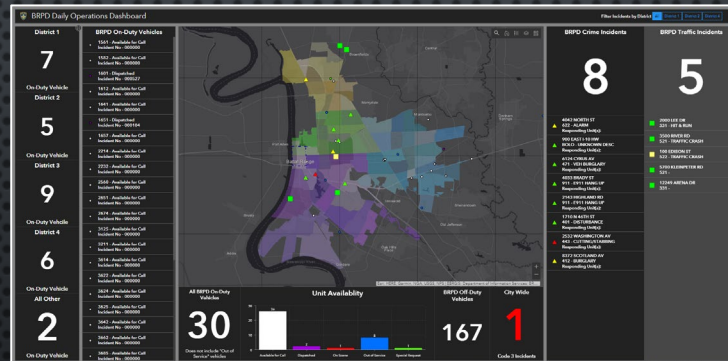
Future

PUBLIC SAFETY COMMON OPERATIONAL PLATFORM



ROLL CALL
DASHBOARD

DAILY OPERATIONS DASHBOARD



CURRENT OPERATIONAL
PERFORMANCE (COP)
DASHBOARD

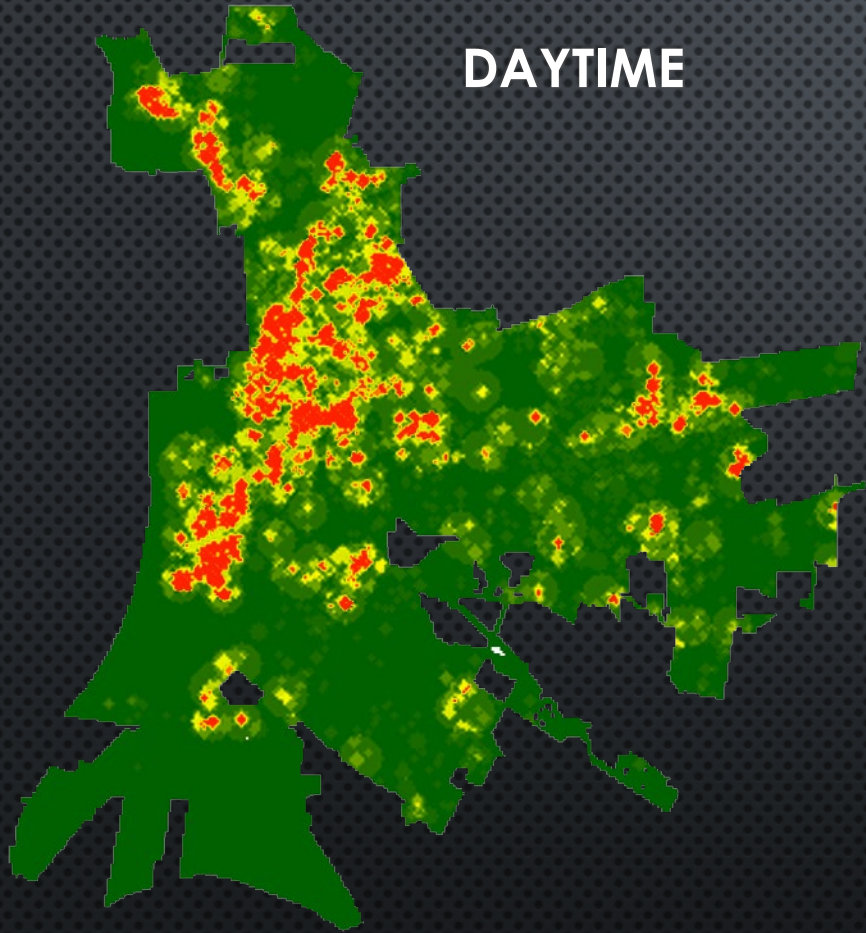
Past

Present

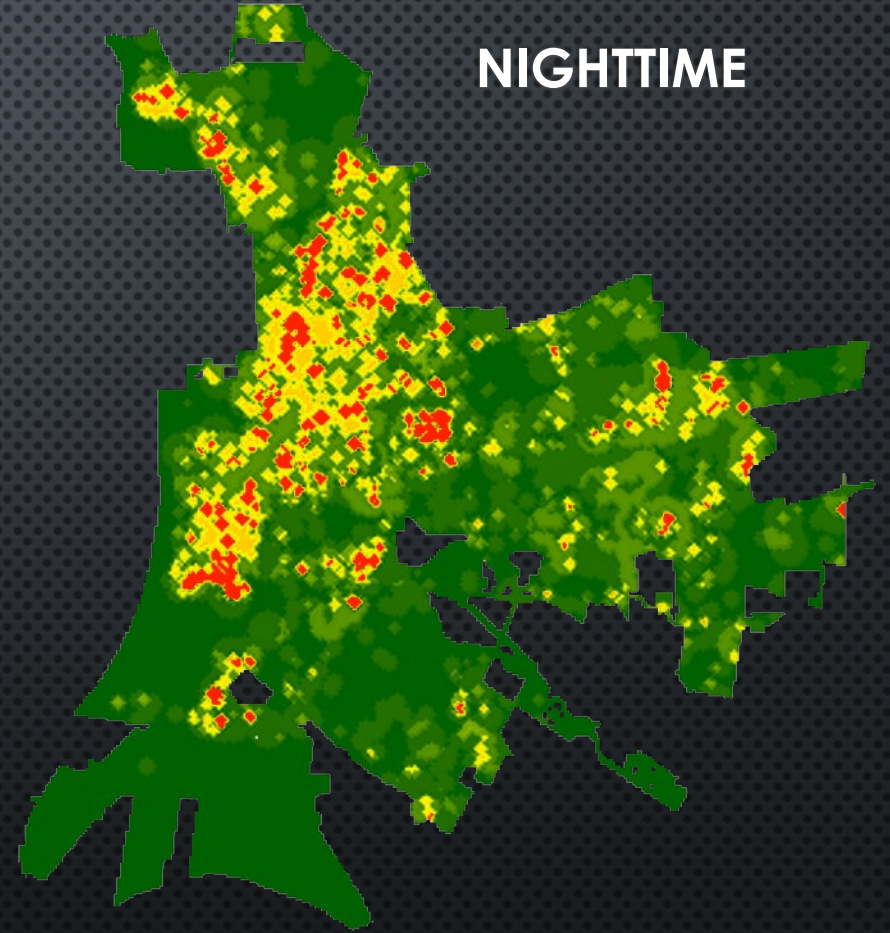
Future

RISK TERRAIN MODELING

DAYTIME



NIGHTTIME

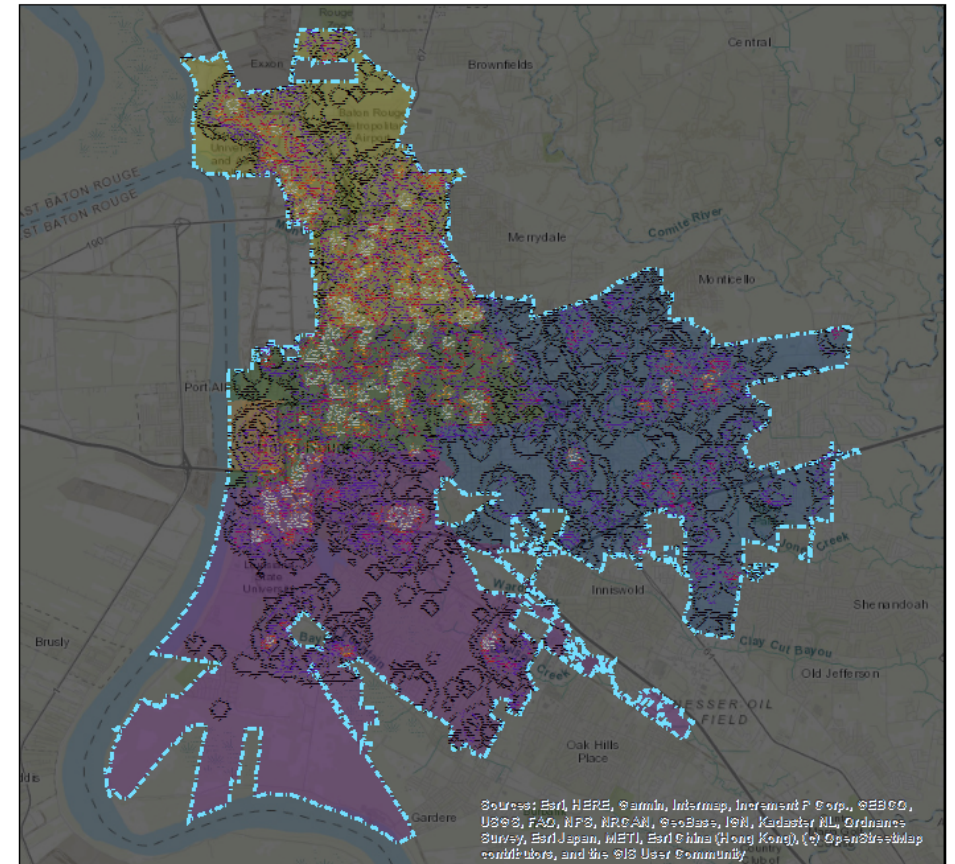
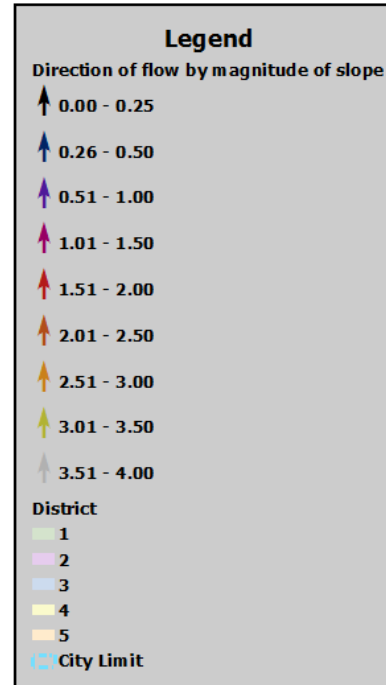


- DIRECT PATROLS
- RISK MITIGATION
- MULTI AGENCY INVOLVEMENT
- COMMUNITY ENGAGEMENT

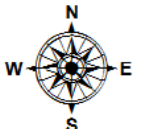
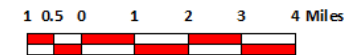
CHANGE DETECTION

SEARCHING FOR TURBULENCE

- FLOW OF CRIME RISK
- EFFECTS OF OPERATIONS
- EARLY INDICATORS
- SPI GRANT



Flow of Crime (FLOC) -
Change Detection from
May 2017 to Aug 2019



The City of Baton Rouge - Parish of East Baton Rouge provides the data herein for general reference purposes only. The City-Parish does not assume liability for the misuse or misinterpretation of the data.

CROWDSOURCING DATA

COMMUNITY ENGAGEMENT MATURITY PATH

- 2016 FLOODS – EMAIL, WEBSITES, SOCIAL MEDIA, AND GEOFORMS
- JUNE 6, 2019 FLOOD – CREATED OUR OWN SURVEY123 FORM AND RECEIVED OVER 700 RESPONSES
- HURRICANE BARRY – ADOPTED AND MODIFIED THE FEMA FORMS FOR INDIVIDUAL ASSISTANCE AND PUBLIC ASSISTANCE PRELIMINARY DAMAGE ASSESSMENTS USING SURVEY123. OVER 300 RESPONSES WERE RECEIVED FOR INDIVIDUAL ASSISTANCE

Individual Assistance Preliminary Damage Assessment Form

This information will be used to gather data regarding preliminary damages that were caused by Hurricane Barry beginning on July 10th, 2019 lasting through July 14th, 2019. Completion of this survey does not substitute a claim to your insurance provider nor does it guarantee assistance from local, state, or federal agencies. All information reported will be for Official Use Only. Submissions will aid our community in the recovery process and further, the data will be used to support future mitigation projects.

Individual Assistance Field Collection Survey

Incident Begin Date*

Contact Information

First Name*

Last Name*

Phone Number*

Email

OUTREACH AND TRAINING

- **SPEAKING OPPORTUNITIES**
 - CONFERENCES, WORKSHOPS, HOA MEETINGS, COUNCIL TOWN HALL MEETINGS, ETC.
- **CITY-PARISH CLASSES**
 - INTRO, INTERMEDIATE, AND ADVANCED WEBGIS COURSES
- **PUBLIC/PRIVATE CLASSES**
 - EBRGIS COURSE FOR APWA
- **PUBLIC CLASSES**
 - SCHEDULED IN JANUARY 2020



CONTACT INFO

- **WEBSITE:** [HTTP://GIS.BRLA.GOV](http://GIS.BRLA.GOV)
- **PHONE:** (225) 389-3070
- **EMAIL:** WKRON@BRLA.GOV
BJJUMONVILLE@BRLA.GOV

- **JOIN US FOR GIS DAY!**

WEDNESDAY, NOVEMBER 13TH

4:00 – 6:00 PM

EBRP MAIN LIBRARY AT GOODWOOD

GISday Baton Rouge 2019



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Contact Us at gis@brla.gov

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Industry professionals will present their work involving GIS technology on projects such as Census 2020, Innovation in the Classroom, River and Watershed Modeling, LIGO, LiDAR, and other GIS applications.

Geography



Data Collection



Story Maps



EBRPL Main Library at Goodwood
7711 Goodwood Boulevard, Baton Rouge, LA 70806

Wednesday, November 13, 2019
4 - 6 PM in the Large Meeting Room

