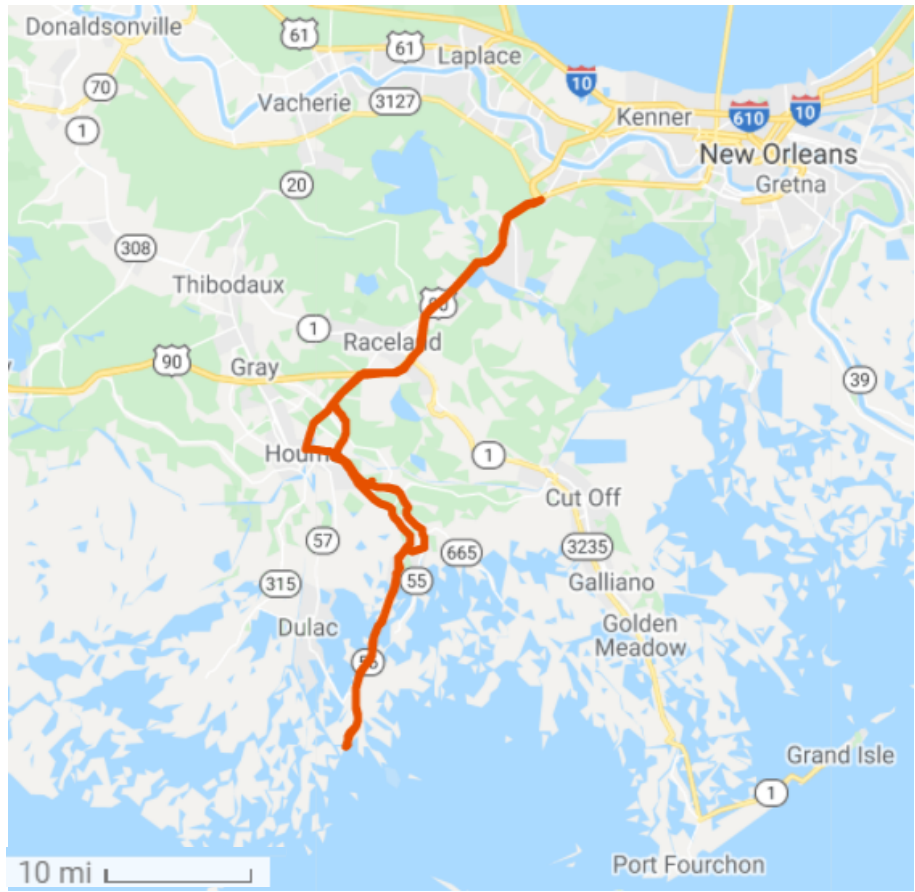


FAST DAILY SUMMARY

Event	Hurricane Ida (29 Aug 2021)
Date	2 September 2021
Team Members	David Roueche, Sabarethinam Kameshwar, Brandon Rittelmeyer

Geographic Coverage
 Along LA-56: Chauvin, Cocodrie
 Along LA-55/LA-24: Montegut, Bourg, Presquile
 Along LA-182: Houma
 Along US-90: Raceland, Des Allemands, Paradis, Boutte



SCHEDULE

Itemized timeline of assessed locations, activities.

1. 9:00 AM - 11:30 AM: Streetview and DSLR imaging along LA-56 through Chauvin and Cocodrie; high-water mark measurement at lock in Cocodrie.



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2. 11:30 AM - 2:30 PM: Streetview along LA-55/LA-24 from Montegut to Presquile; return to Boutte via US-90.
3. 2:30 PM: Departed for Auburn University.

OBSERVATIONS BY LOCALE

Bulleted list of high-level observations in each locale. Repeat for as many unique locales as necessary.

Montegut, Bourg, Presquile

- Many power poles leaning, some fallen.
- Most buildings at least moderately damaged (mostly loss of cladding elements). Significant roof cover loss, roof sheathing failure, and some roof structure failure was common for homes that appeared to be older. Newer construction sustained more minor damage.

Chauvin, Cocodrie

- Most widespread and heaviest damage we've observed from Ida. Nearly all buildings were residential in these communities. Very few if any homes without some damage, and all damage appeared to be wind-induced. Structural failures were common, including loss of major portions of roof structure and collapse of walls, even though most homes were observed to have a variety of metal strap roof-to-wall connections.
- Louisiana Universities Marine Consortium (GPS: 29.2541, -90.6620) appeared to have sustained little to no damage based on what was visible from HWY-56, but the site was not accessible due to locked gates.
- High-water mark measurement of ~64 in. above ground obtained at the lock located at 29.296°, -90.648°. Ground elevation was approximately even with HWY-56 surface at measurement points.

ACCESS

Bulleted summary of any restrictions to areas, curfews, need for badges or credentials, road closures, etc.

- No issues with access; no checkpoints anywhere.
- Bridge at LA-55 and LA-58 in Bourg is closed due to apparent mechanical failure; bridge was partially drawn.
- Bridge at LA-24 and LA-316 is closed; bridge span had been removed and site was under construction.

CONNECTIVITY



Bulleted summary of any issues with cellular and data connectivity, noting regions where coverage is especially weak

- No Verizon service in Chauvin or Cocodrie; AT&T signal weak throughout most of the surveyed area, with no service on US-90 near Des Allemands.

UTILITIES

Bulleted list of access to power and water in the surveyed areas.

- No power in the communities along LA-56, LA-55, LA-24.
- Ward 7 Citizens' Club in Chauvin and Vision Christian Center in Bourg were serving as distribution centers for water. Long lines were present to receive the distributions.

RECOMMENDATIONS

Bulleted list of any follow-up investigations you believe are warranted based on what you saw. This may be areas you couldn't get to that look promising, deeper investigation into a recurring pattern of failure, etc.

Some recurring patterns of failure that were observed:

- Garage door failure was observed at a volunteer fire station near Chauvin, one of several minor to moderate failures noted at fire stations in the areas surveyed in the past three days.
- Isolated roof structure damage and moderate roof cover loss observed in multiple apartment complexes along I-10 in the greater New Orleans area.
- Failures in discontinuous metal roofing panels continue to be frequently observed.

Preliminary Recommendations for Follow-up:

- Detailed assessments of residential and commercial structures in Chauvin and Cocodrie is recommended, but inspection by means of UAV imaging may be necessary due to elevated first-stories and flooding.
- Further investigation of damage to fire stations, with particular focus on how operability is affected by damage sustained.
- Additional sampling of high water levels in Cocodrie.

REPRESENTATIVE IMAGERY

Select 4-5 photos that capture key insights gathered from this day's reconnaissance.



Representative damage observed in Chauvin. GPS: 29.272°, -90.647°



Destroyed home on LA-55. GPS: 29.277°, -90.644°



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High-water level of roughly 64 in. relative to roadway elevation measured at a lock in Cocodrie. GPS: 29.296°, -90.648°.



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