



SOUTH ATLANTIC COASTAL STUDY NEWSLETTER

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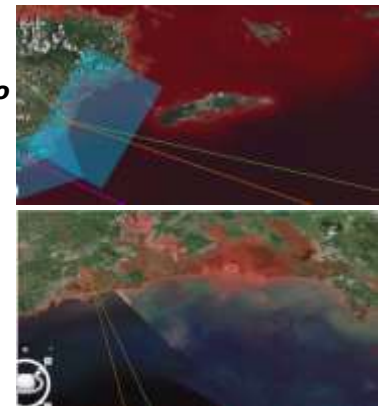
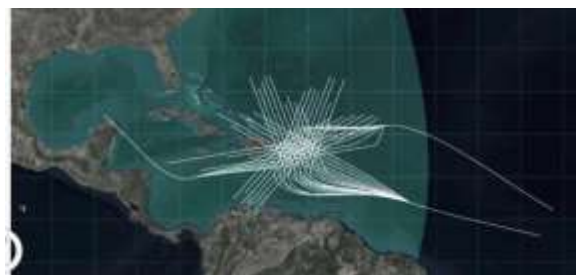
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Coastal Hazard System (CHS)

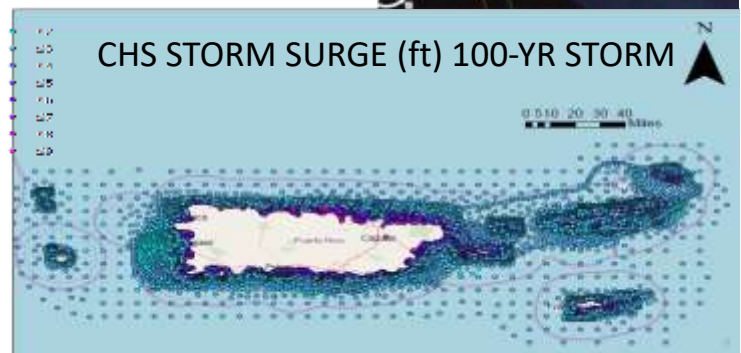
Coastal Storm Modeling System (CSTORM) and Joint Probability Method (JPM) for PR/USVI is complete! We have calculated expected water surface elevations for the 2, 5, 10, 50, 100, 500, 1000 and 10,000-year storm for present-day mean sea level (MSL) and for 2.3 ft of RSLR (Relative Sea Level Rise) as well as 7.0 ft of RSLR.

We have also calculated the Wave Statistics (wave height and wave period) associated with these storms. All results are saved to over 6,000 save points for Puerto Rico and the US Virgin Islands!

**ADCIRC Caribbean Basin grid
 JPM Storm Tracks
 STWAVE nearshore mesh for eastern Puerto Rico**



Calculated water levels (ft rel MSL 1992) for Puerto Rico and the US Virgin Islands for the 100 Year Storm



HAZUS

PURPOSE

- Determine relative dollar damage risk over space
- Provide input on relative \$ damage risk to FAAS

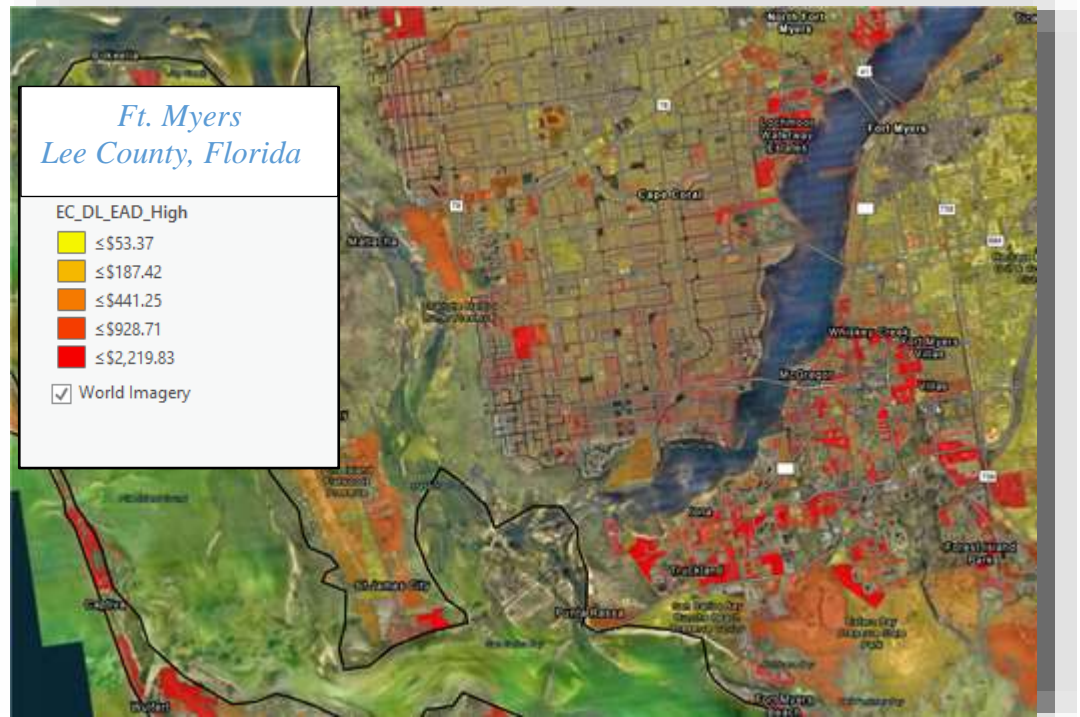
ESTIMATION OF \$ DAMAGE RISK

- Risk is estimated at the census block level
- Annualized depreciated losses at census block level
- Existing and future condition risk estimates
- HAZUS-MH used to estimate damages

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HAZUS GRAPHIC



Quarterly Webinar - now available on our website!

**2020 Quarter 1
Quarterly Update Webinar**

South Atlantic Coastal Study | March 5, 2020

CONNECTION INFORMATION:
Webinar: [GoToWebinar](#)
ACCESS CODE: **164-334-083**

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