Coastal Georgia

Flood Resiliency Planning

PARTNERSHIP BETWEEN:

Georgia Sea Grant
City of St. Marys
City of Tybee Island
University of Georgia
- Carl Vinson Institute of Government
- Lamar Dodd School of Art
- College of Environment and Design
- UGA Marine Extension

Stetson University
Department of Natural Resources
St. Marys Earthkeepers

(Funded by NOAA National Sea Grant program)

Kelly Spratt
Georgia Sea Grant
Marine Extension
University of Georgia

10.27.15

Tybee Island Causeway, U.S. 80

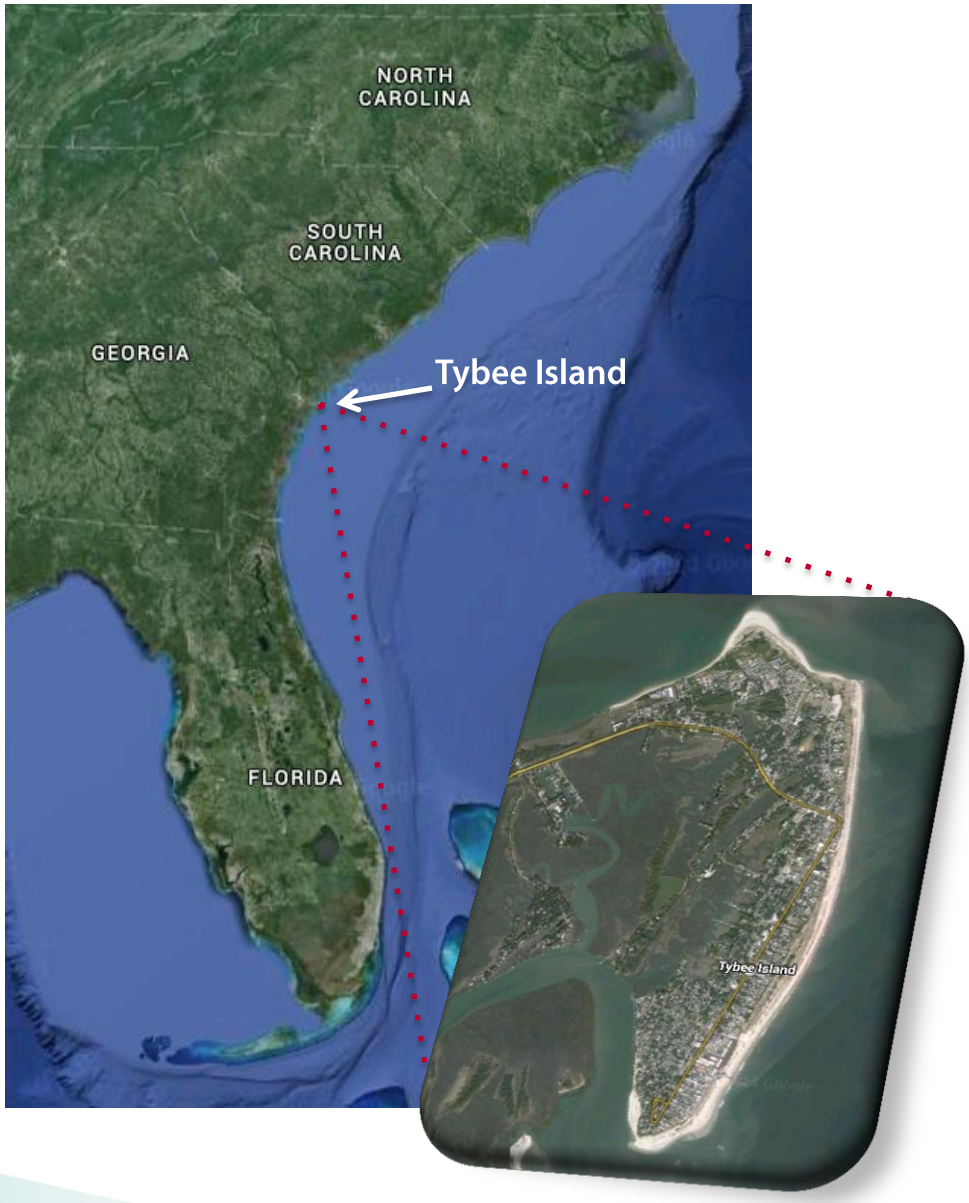
(*photo courtesy of Tybee Island Police Department)*


STOP

The Goal

Georgia Sea Grant is actively in increasing resiliency along the GA Coast. Our results are viewed as a model for stakeholder involvement in planning for both riverine and coastal flooding, and preparing for sea level rise.

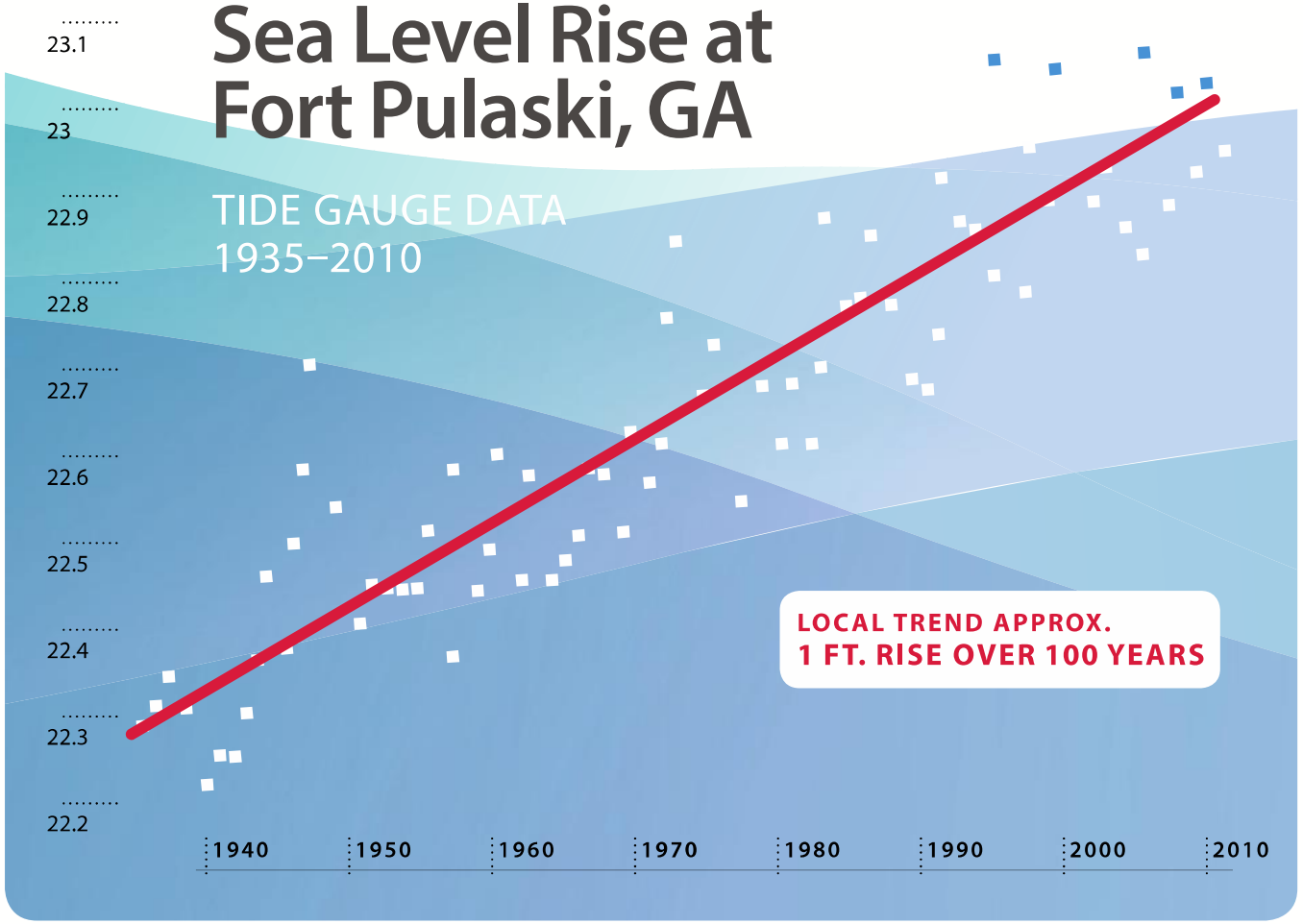
In 2011, Tybee Island, Georgia Sea Grant and the University of Georgia partnered to seek National Sea Grant funding for climate adaptation planning.



Sea Level Rise on Tybee Island

- More frequent flooding
- Stormwater drainage issues
- Beach erosion
- Saltwater intrusion
- Intensified storm surges
- Safety and emergency management concerns

Sea Level Rise at Fort Pulaski, GA



Local Knowledge

- Community-driven **process**
- **Identify where is** vulnerable
- **Identify what is most** critical **and which potential** actions **to take**

Local Decisions

Cost-benefit analysis of potential adaptation actions:

- **Renourishment of the beaches**
- **Raising U.S. Highway 80 by three to four feet**
- **Elevating the wells and lift stations out of the flood zone**
- **Building a sea wall**
- **Stormwater retrofits**

St. Marys Climate Adaptation Initiative

Tapping Local Knowledge

INTERVIEWS AND PUBLIC MEETINGS

- **Identify** vulnerable flooding areas

FACILITATED DISCUSSIONS

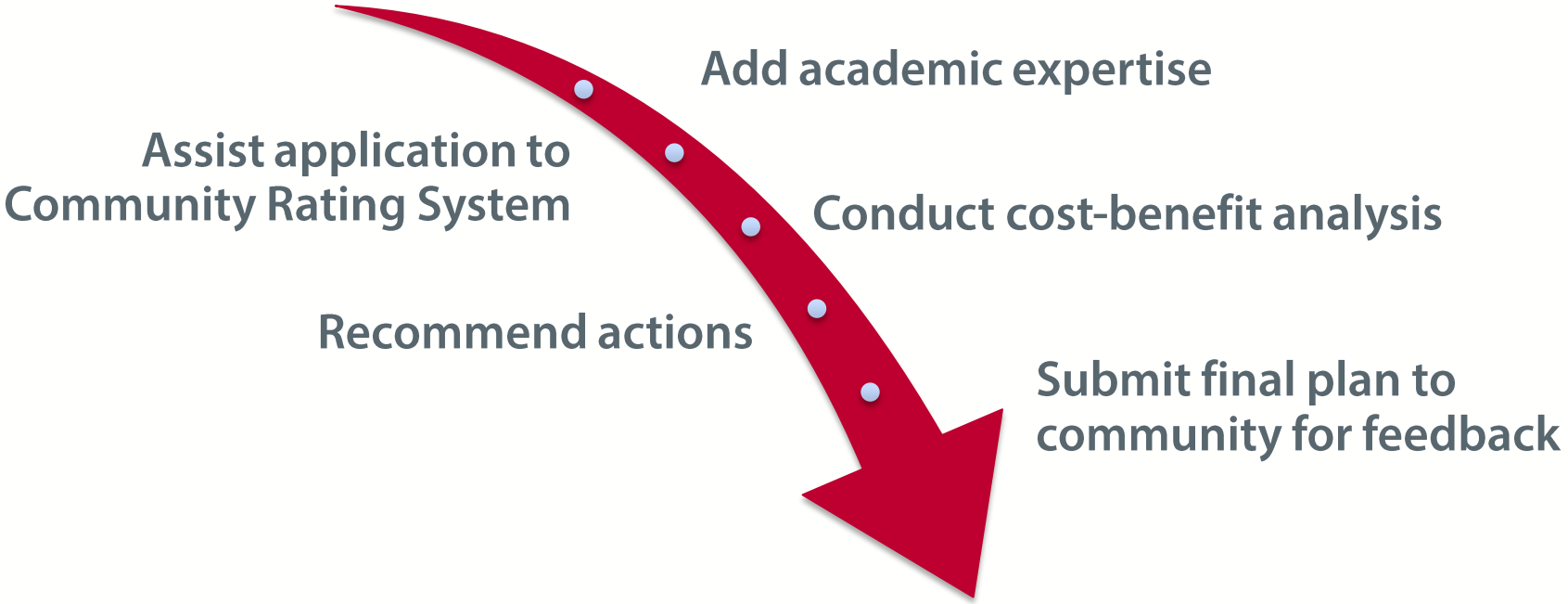
- **Identify what is most** critical **and potential** actions

ASSESSING OPTIONS

- **Cost benefit analysis**

Planning Process

Gather local and technical knowledge



Community Rating System

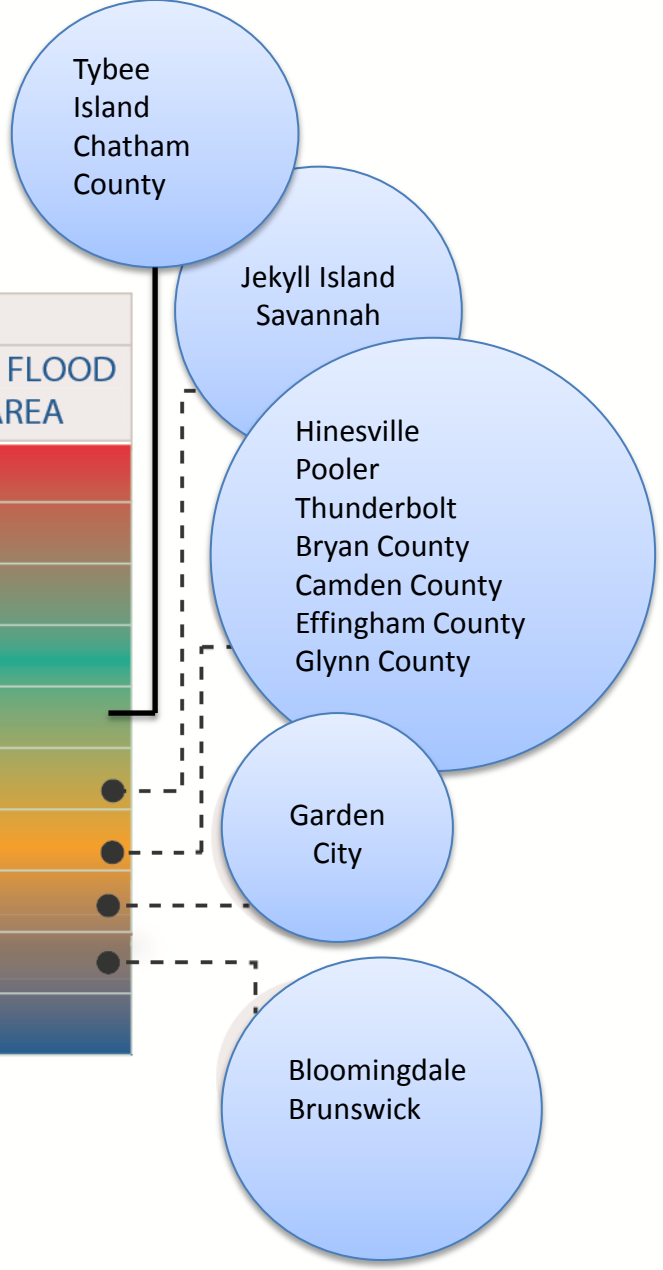
The Community Rating System (CRS) **recognizes communities who take steps to reduce their flood risk and provides flood insurance discounts for residents.**

COMMUNITY RATING SYSTEM (CRS)

CLASSIFICATION AND PREMIUM REDUCTION

Participation can lower community flood insurance rates

CREDIT POINTS	CLASS	PREMIUM REDUCTION	
		SPECIAL FLOOD HAZARD AREA	NON-SPECIAL FLOOD HAZARD AREA
4,500+	1	45%	10%
4,000 – 4,499	2	40%	10%
3,500 – 3,999	3	35%	10%
3,000 – 3,499	4	30%	10%
2,500 – 2,999	5	25%	10%
2,000 – 2,499	6	20%	10%
1,500 – 1,999	7	15%	5%
1,000 – 1,499	8	10%	5%
500 – 999	9	5%	5%
0 – 499	10	0	0



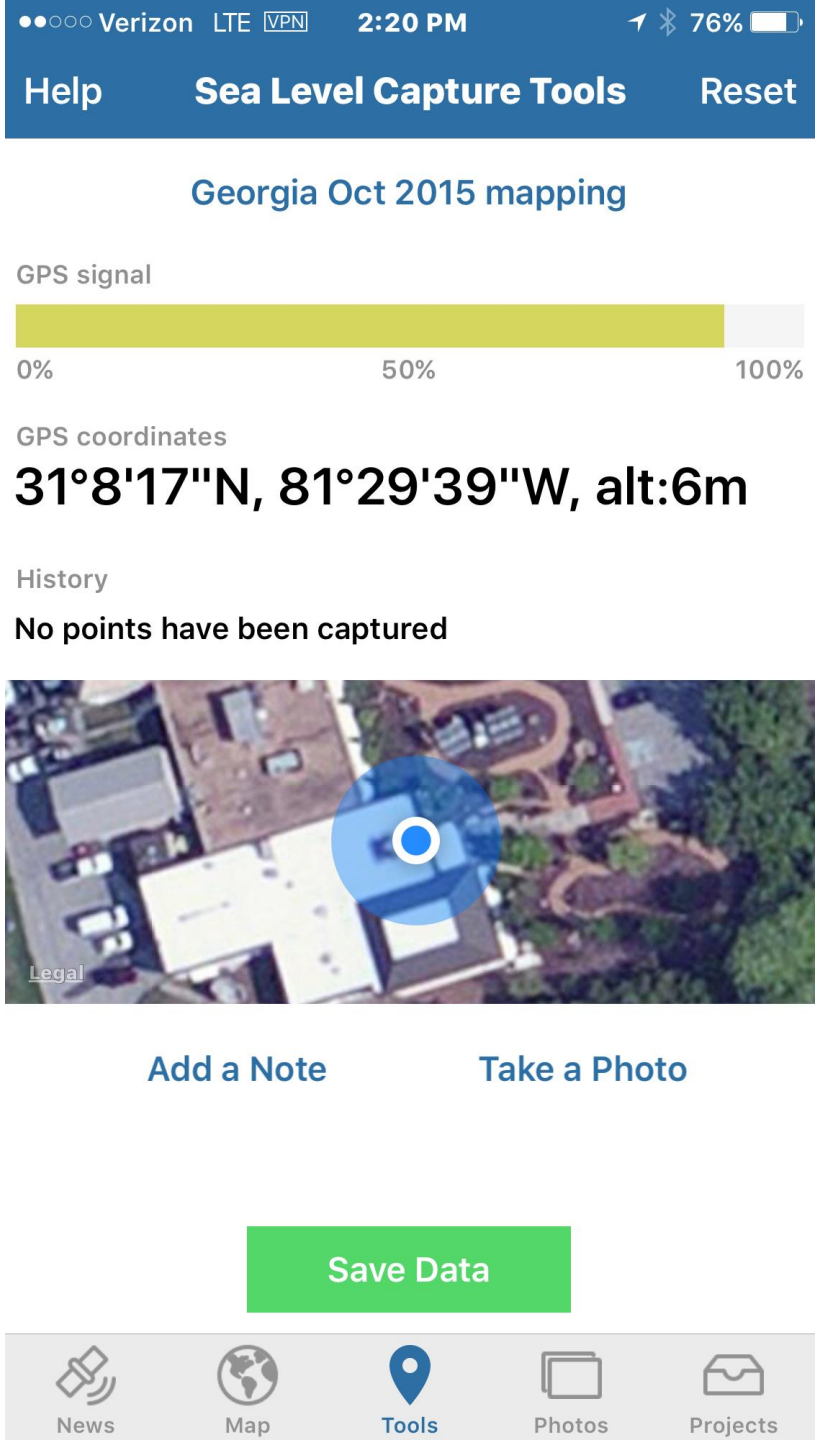
CRS ISO Inspection Visit

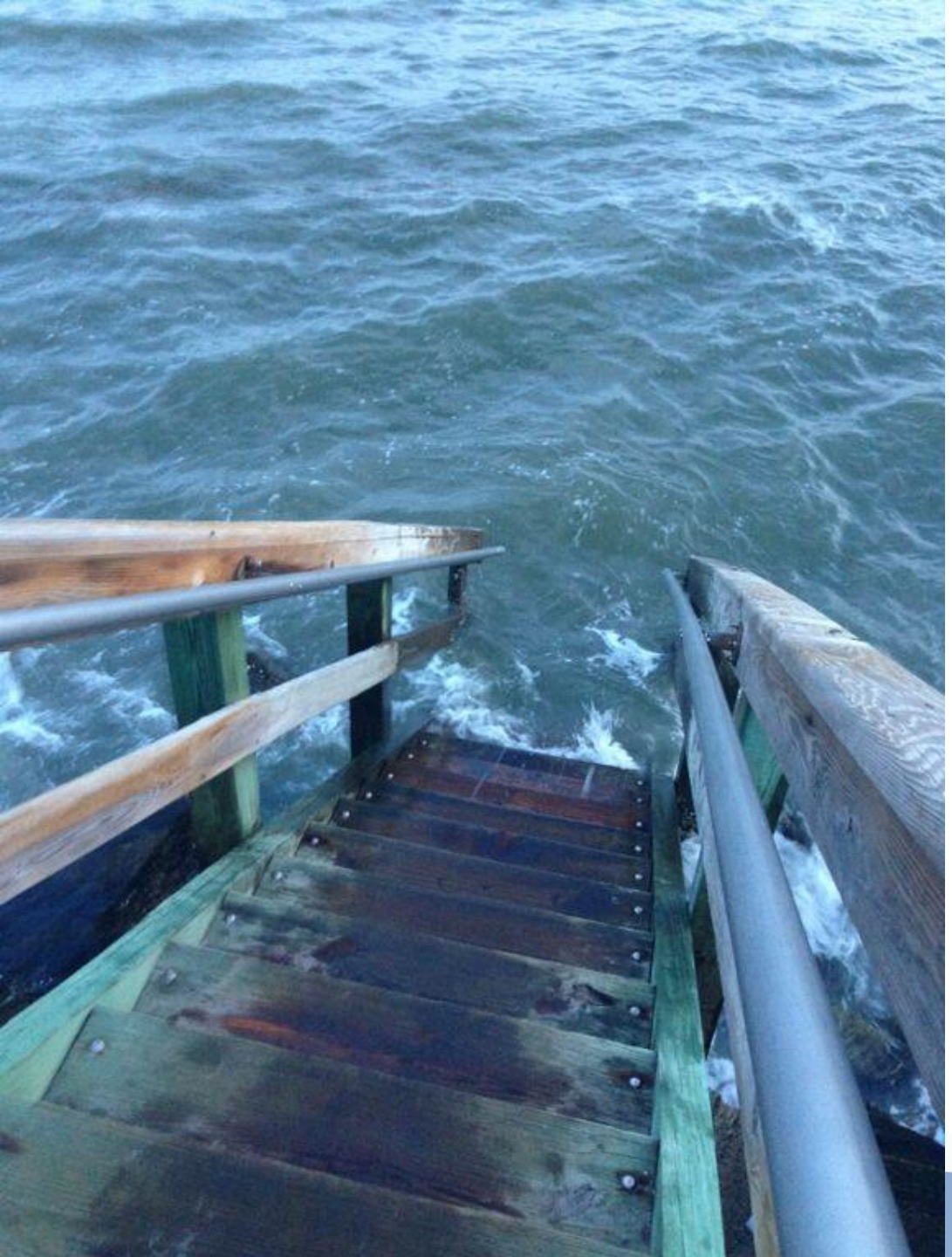
Adaptations

Next Steps:


COASTAL GA
COMMUNITY
RATING SYSTEM
USERS GROUP
GA
SC
FL
ATLANTIC
OCEAN
Effingham
Bryan
Chatham
Liberty
Long
McIntosh
Glynn
Camden


EXIT


Verizon LTE VPN 2:20 PM 76%
Help
Sea Level Capture Tools
Reset
Georgia Oct 2015 mapping
GPS signal
0%
50%
100%
GPS coordinates
31°8'17"N, 81°29'39"W, alt:6m
History
No points have been captured
Legal
Add a Note
Take a Photo
Save Data
News
Map
Tools
Photos
Projects



Questions?

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