

Resilience to Future Flooding

in the northern Gulf of Mexico



In partnership with:

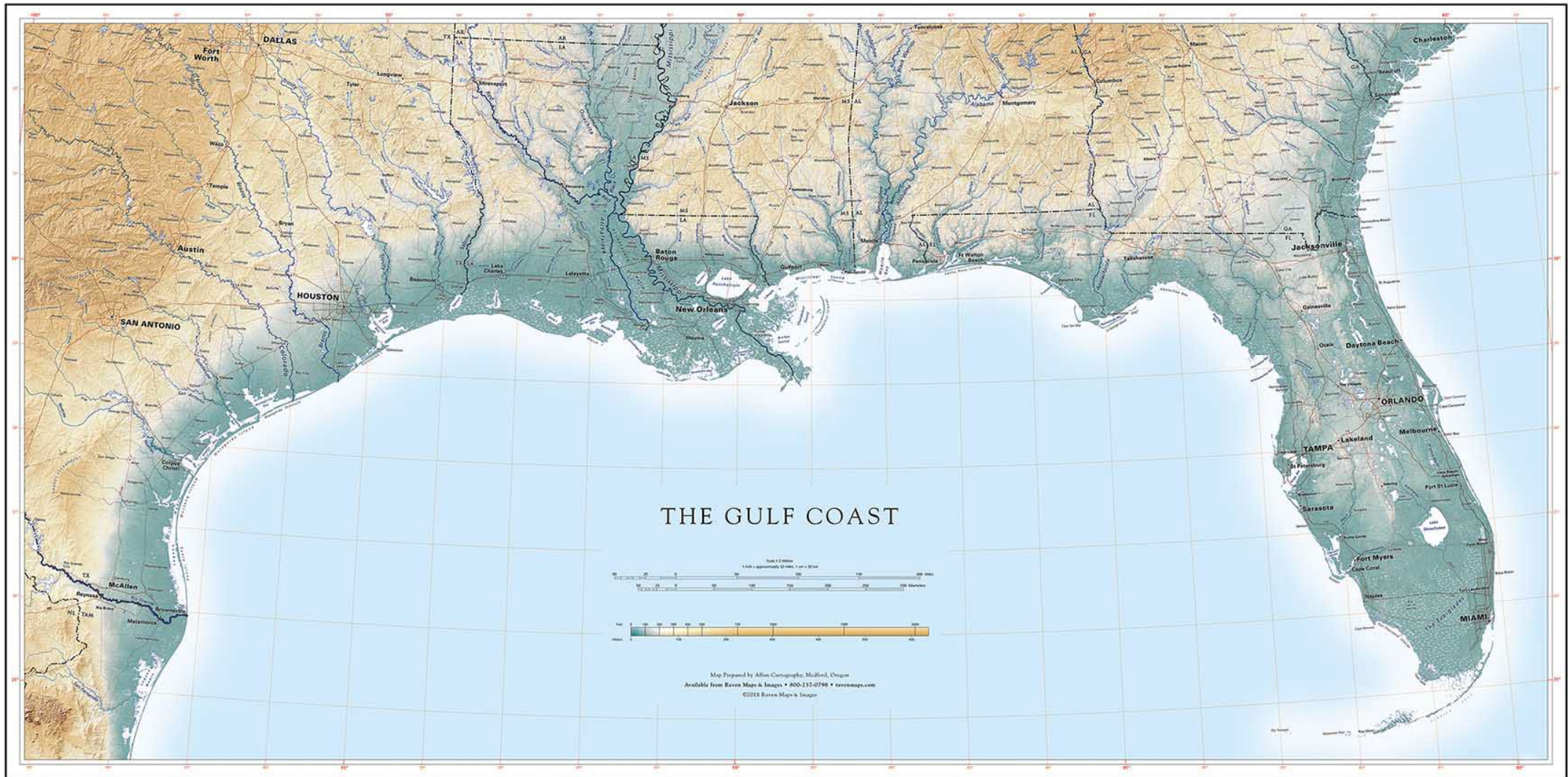


PLACE:SLR
PROGRAM FOR LOCAL ADAPTATION TO CLIMATE EFFECTS
SEA LEVEL RISE



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UF | IFAS Extension
UNIVERSITY of FLORIDA



The Issues

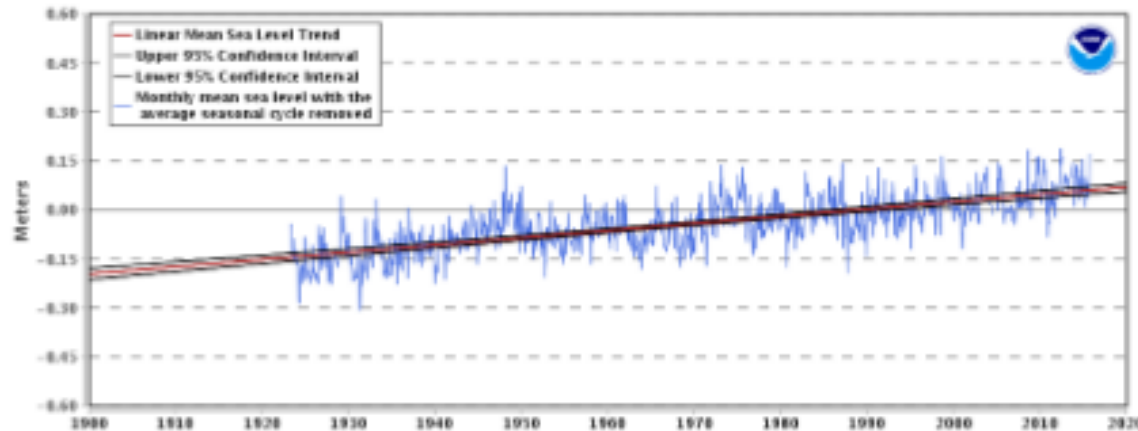
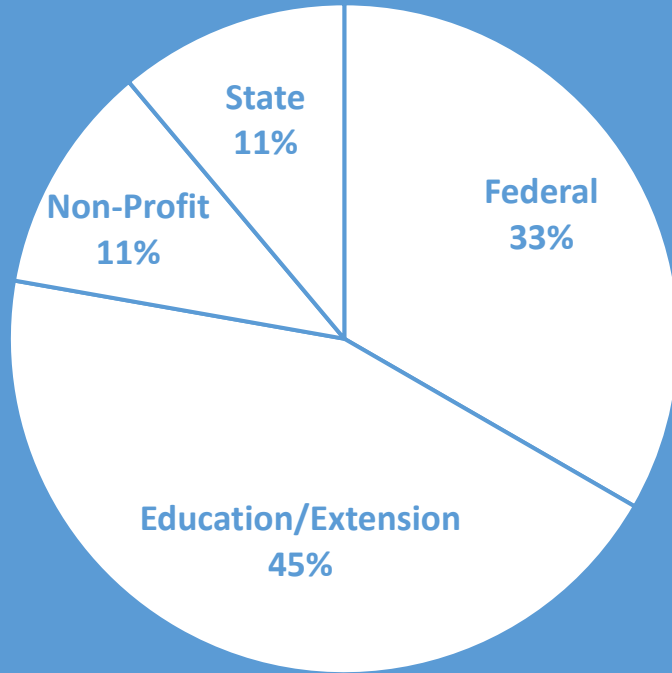


Figure 1. Historical water level records from Pensacola, FL have established a representative long-term historical SLR trend of 0.73 ft/century (source: NOAA Center for Operational Oceanographic Products and Services).

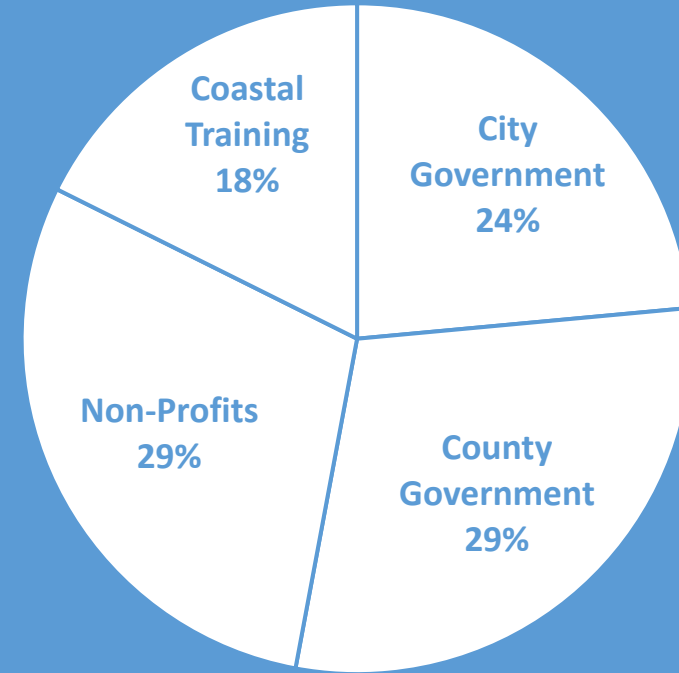
- Sea level rise and associated problems are increasing issues in the northern Gulf Coast
- Increased rainfall, flooding, and impacts from hurricanes get attention
- Problems seem overwhelming
- Needed a way to help explain the issues AND find solutions

The Project – Team & Advisors

PROJECT TEAM SECTORS



ADVISORY COMMITTEE SECTORS



Funding provided by NOAA award NA17NOS4730140, Gulf of Mexico Alliance, University of Florida Institute of Food and Agricultural Services and Louisiana Sea Grant.

Funding Opportunities

- Larger grant to our team provided for subaward grants of \$60,000 each, with \$23,500 match required
- Address current and/or future problems associated with sea-level rise
- Each community awarded a grant produced a video diary, to serve as an example and explanation for other similar communities
- **See map and details at <https://placeslr.org/our-products/resilience-to-future-flooding-short-films/#video-diaries>**

Video Diaries from Funded Projects



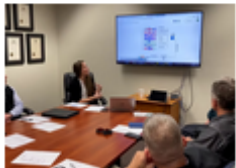
Alligator Point Coastal Resilience Study: Vuln...

Imagine the only evacuation route for a community being its most vulnerable road. For decades, Alligator Point, FL...



Apalachicola Resilience through Mitigation

Historic Apalachicola, FL is well-known for its beautiful buildings and close relationship to its origins (and curre...



Building Flood Resilience in Santa Rosa Count...

Since 2004, Santa Rosa County has had 12 disaster declarations due to flooding and related climate hazards....

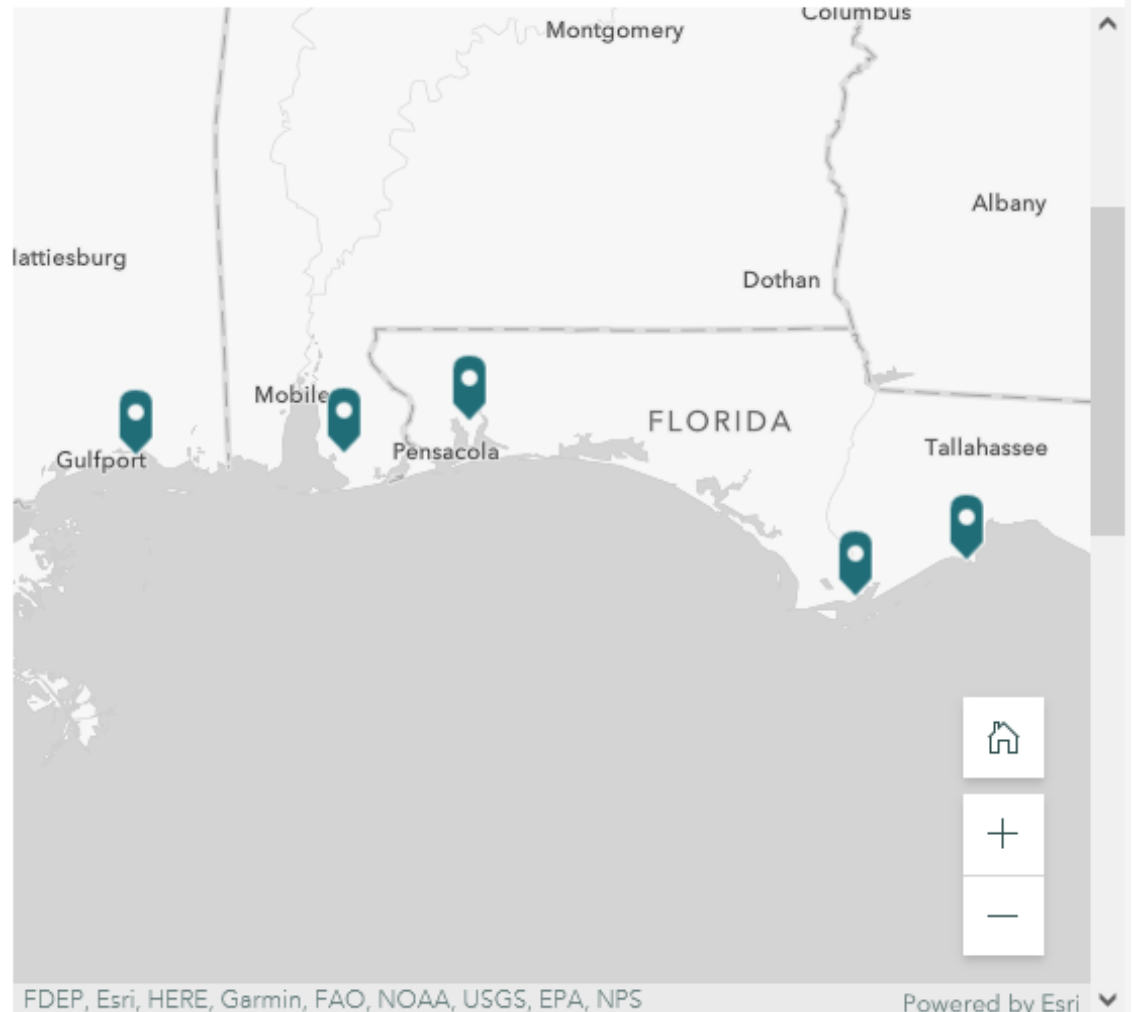


Reducing Flooding of Magnolia River with Re...

While the issues had been going on for a while, for many residents around Magnolia River, the flooding, pollution,...



Improving Flood Resiliency in Biloxi's Front



The Project – Video Products

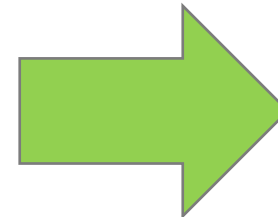
Case Study Videos

- Understanding Future Risk
 - Islamorada, FL
- Working with Natural Systems
 - Fairhope, AL
- Preparing Local Businesses
 - Ocean Springs, MS
- Responding to Hazards
 - Covington, LA
- Planning for Future Risk
 - South Padre Island, TX

Informational Videos

- Team members worked together with scriptwriting, editing, video production
 - The Basics (5 min)
 - Amplified Storm Surge (5 min)
 - Planning for Rising Seas (5 min)
 - “Tides of Change” with host (30 min)

The Project – Road Show



- Churches
- Community Centers
- City Halls/Meetings
- Cafes, Bars, Parks
- ...you name it!

Join us under the stars for the premiere of
TIDES OF CHANGE

A SHORT FILM DEDICATED TO LEARNING HOW WE
CAN INCREASE PENSACOLA'S FLOOD RESILIENCE

Wednesday, Nov. 10
4 - 7:30 p.m.



The Gulf of Mexico is leading
the way in flood and sea-level
rise preparedness.

**Hunter Amphitheater at
Community Maritime Park**
301 W. Main St.

Film showing at 6 p.m.

Raffle drawing at 7 p.m.

MORE INFORMATION AT [BIT.LY/FUTURE-FLOODING](https://bit.ly/future-flooding)



ACCESSIBILITY NOTE: Captions will be on-screen for films. There is
a paved sidewalk from the parking lot to the grass lot event site.

Questions: Email Mikaela at m.hemings@placeslr.org

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PENSACOLA
FLORIDA'S FIRST & FUTURE

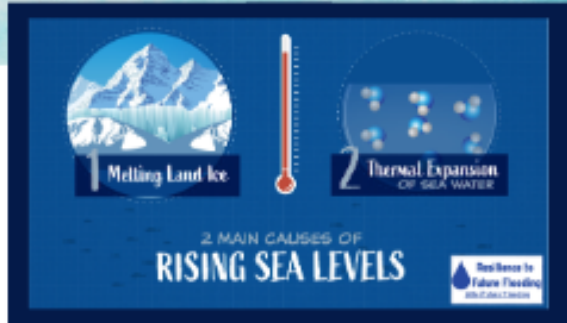
PLACE:SLR
REGULATORY ADAPTATION TO CLIMATE EFFECTS
FOR SLR RISK



Tides of Change premieres

- Pensacola (43)
- Gulfport (120)

Sea-Level Rise Graphics Library



This free online library provides access to well over 50 GIFs and stills explaining sea-level rise (SLR).

Topics include:

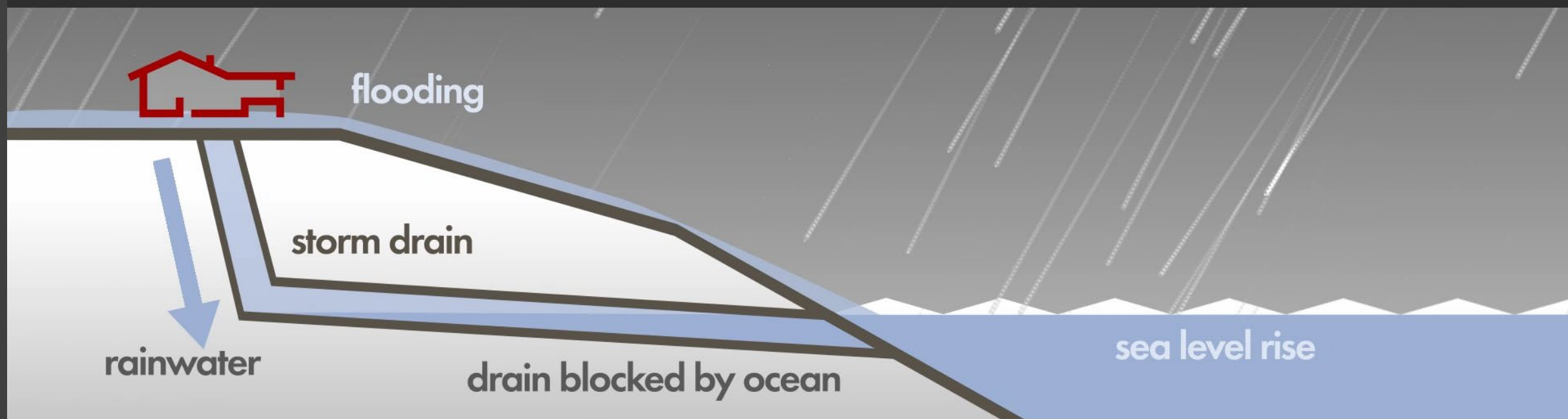
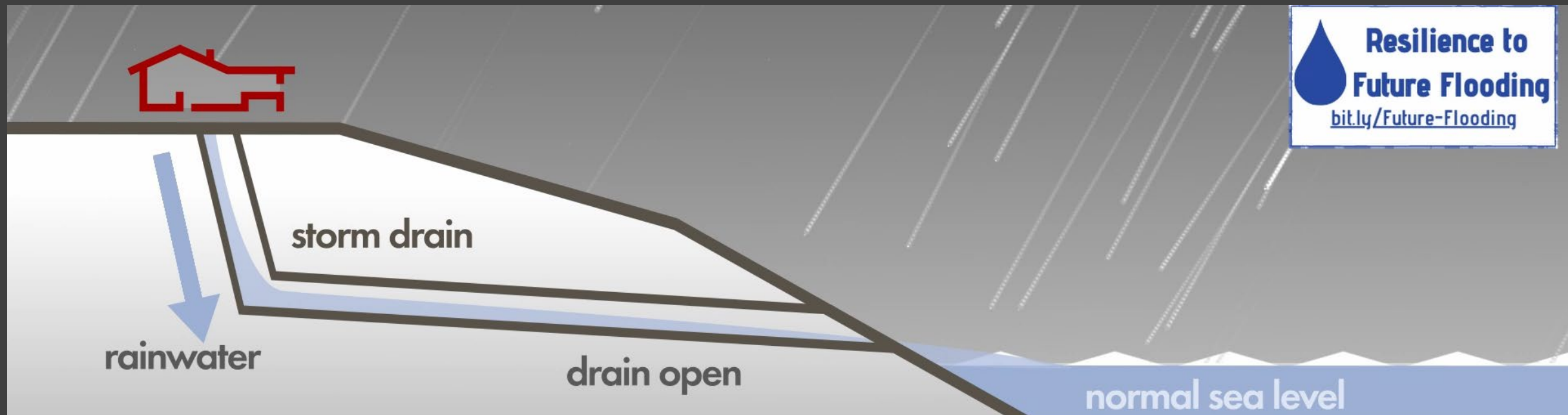
- Compound Flooding
- Costs
- Development
- Observed SLR Rates
- Projections
- Resilience Planning
- SLR Basics
- Small Businesses
- Solutions

bit.ly/SLRGraphics



The SLR Graphics Library uses graphics created by the Resilience to Future Flooding project (bit.ly/Future-Flooding) which provides short films about SLR basics and solutions implemented across the Gulf of Mexico.

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- Writers and educators have noted a lack of good illustrations for SLR concepts
 - Graphic designers created dozens of new illustrations and gifs as part of our video project
 - Free online library available



COASTAL DYNAMICS OF SEA LEVEL RISE ON The Northern Gulf Coast



INITIAL SEA LEVEL



INITIAL SEA LEVEL



Next steps

- Continue working with City of Pensacola on resilient coastlines grant and vulnerability study and NOAA Community of Practice grant
- Team funded with NOAA Environmental Literacy Grant on behalf of project titled *Increasing Sea-Level Rise Resilience in the Northern Gulf of Mexico*.
 - High school sea level rise curriculum developed by PLACE:SLR staff
 - Immersive virtual experiences related to sea level rise at “pop-in” events

Next Steps

Community Connection Dialogue

Learn how to actively support future flooding resilience activities in Pensacola!

Come together with your neighbors for a Community's RISE event. This community event will introduce residents to the basics of sea-level rise and flooding impacts, with a discussion of how we can be more prepared in our own community. During this informal dialogue residents have the chance to ask questions and discuss local actions of resilience with their community leaders.

TUESDAY, MAY 3, 2022

5:30PM – 7:00PM

DINNER SERVED AT 5:30

BAYVIEW PARK CENTER



City Partner
The City of Pensacola



Community Partner
350 Pensacola

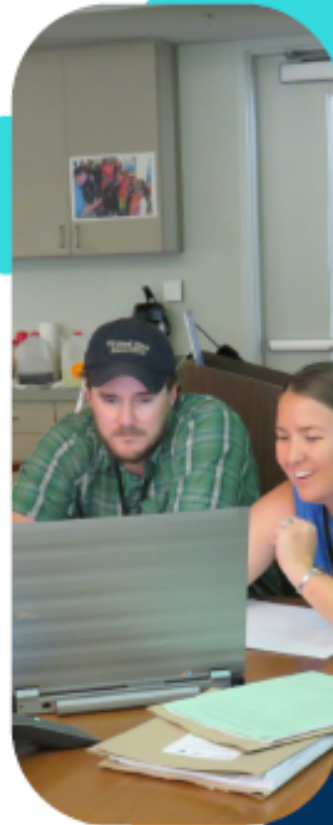


Community Partner
UF IFAS



**SEA-LEVEL RISE
SCIENCE BROUGHT
TO YOU BY
PLACE:SLR**

Registration:
LINK TO REGISTER
additional contact info



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in the northern Gulf of Mexico

Thank you, QUESTIONS?

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