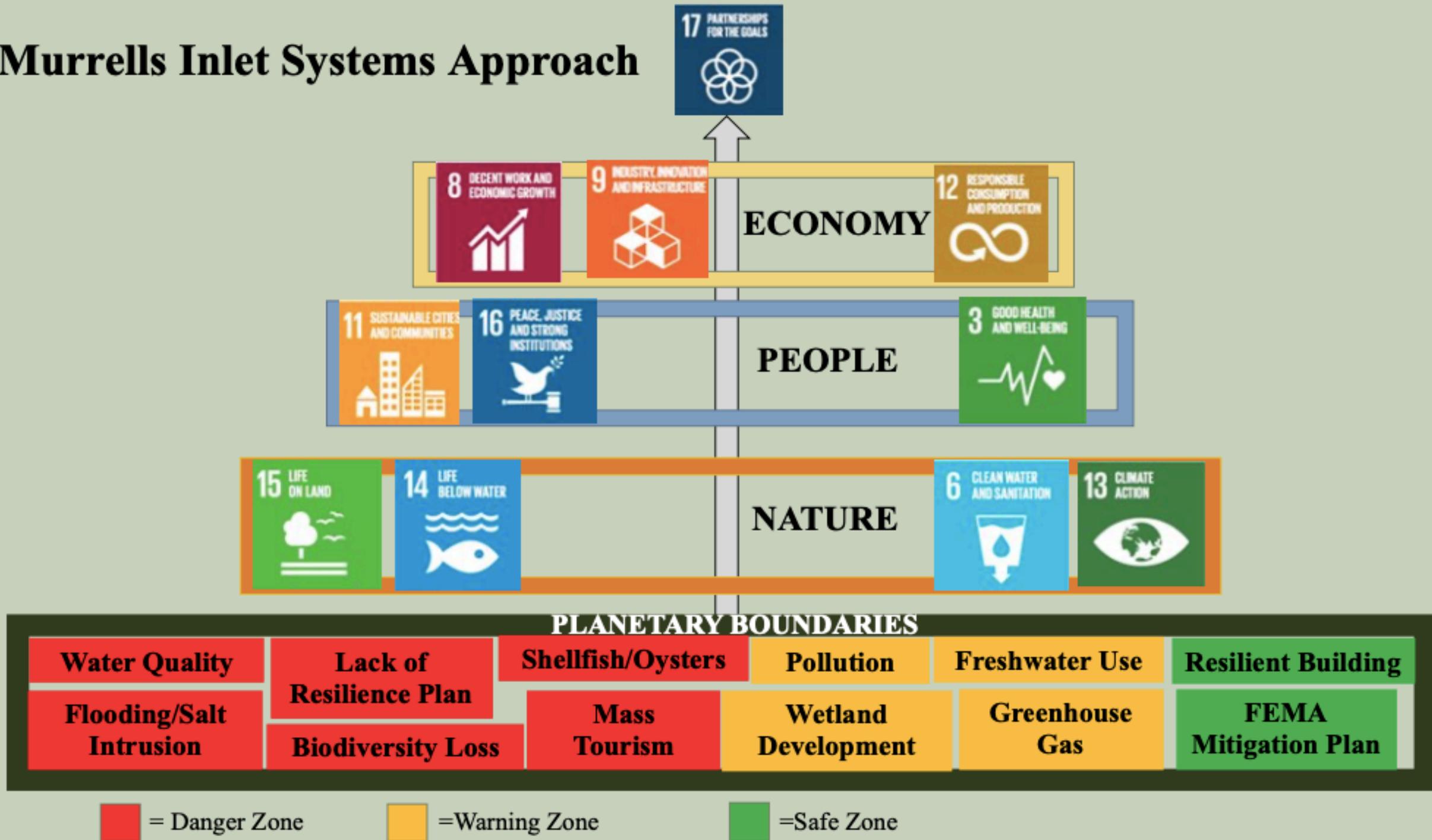# Our 3 pillars

- Community Engaged Research
- Youth Corps Paid Internship Program
- SDG Study in SC

Murrells Inlet 2021 Assessment

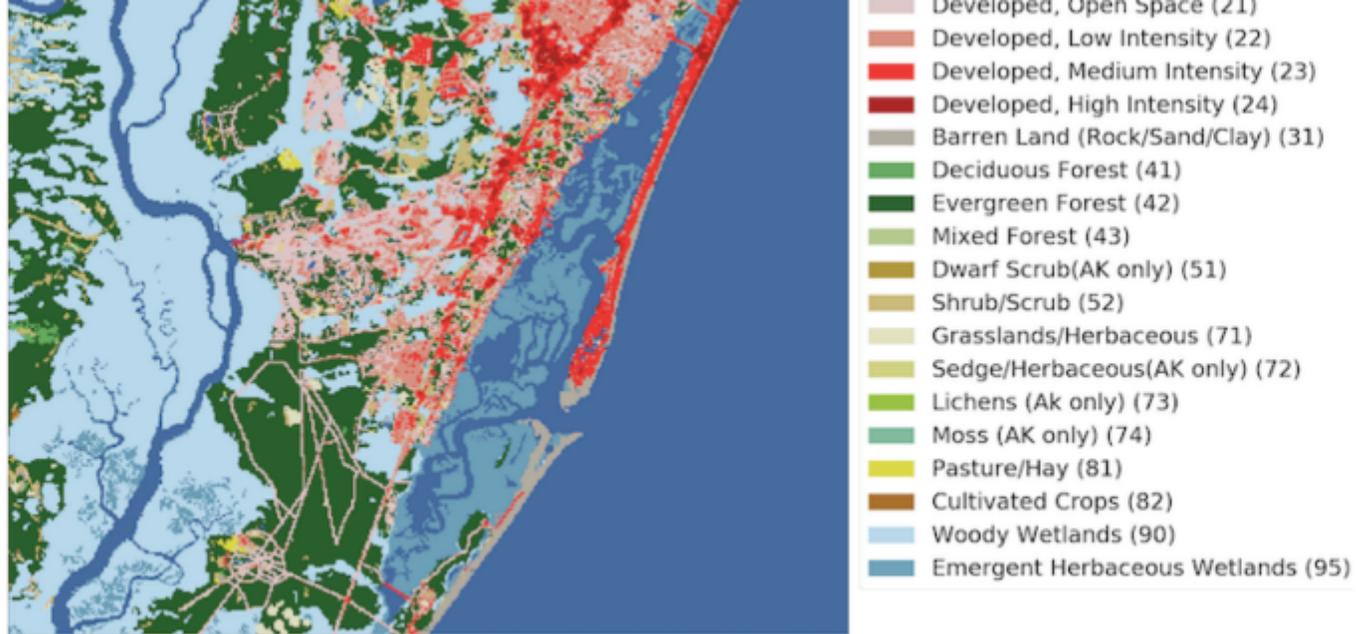# Murrells Inlet Systems Approach

17 PARTNERSHIPS FOR THE GOALS

8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
ECONOMY
12 RESPONSIBLE CONSUMPTION AND PRODUCTION

11 SUSTAINABLE CITIES AND COMMUNITIES
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
PEOPLE
3 GOOD HEALTH AND WELL-BEING

15 LIFE ON LAND
14 LIFE BELOW WATER
NATURE
6 CLEAN WATER AND SANITATION
13 CLIMATE ACTION

PLANETARY BOUNDARIES

| Water Quality | Lack of Resilience Plan | Shellfish/Oysters | Pollution | Freshwater Use | Resilient Building |
| Flooding/Salt Intrusion | Biodiversity Loss | Mass Tourism | Wetland Development | Greenhouse Gas | FEMA Mitigation Plan |

= Danger Zone   =Warning Zone   =Safe Zone

Figure 4. Murrells Inlet: Even Closer NLCD Land Cover 2001 (Golland, 2021).

NLCD Land Cover 2019

Legend:
- Open Water (11)
- Perennial Ice/Snow/ (12)
- Developed, Open Space (21)
- Developed, Low Intensity (22)
- Developed, Medium Intensity (23)
- Developed, High Intensity (24)
- Barren Land (Rock/Sand/Clay) (31)
- Deciduous Forest (41)
- Evergreen Forest (42)
- Mixed Forest (43)
- Dwarf Scrub(AK only) (51)
- Shrub/Scrub (52)
- Grasslands/Herbaceous (71)
- Sedge/Herbaceous(AK only) (72)
- Lichens (Ak only) (73)
- Moss (AK only) (74)
- Pasture/Hay (81)
- Cultivated Crops (82)
- Woody Wetlands (90)
- Emergent Herbaceous Wetlands (95)

Bucksport and the Sustainable Development Goals

TAKIAH ANDERSON, CATE BAUER, KALINA FAULKS, MAX HALL, JAIRAN PARKER, KATEY ZIMMERMAN
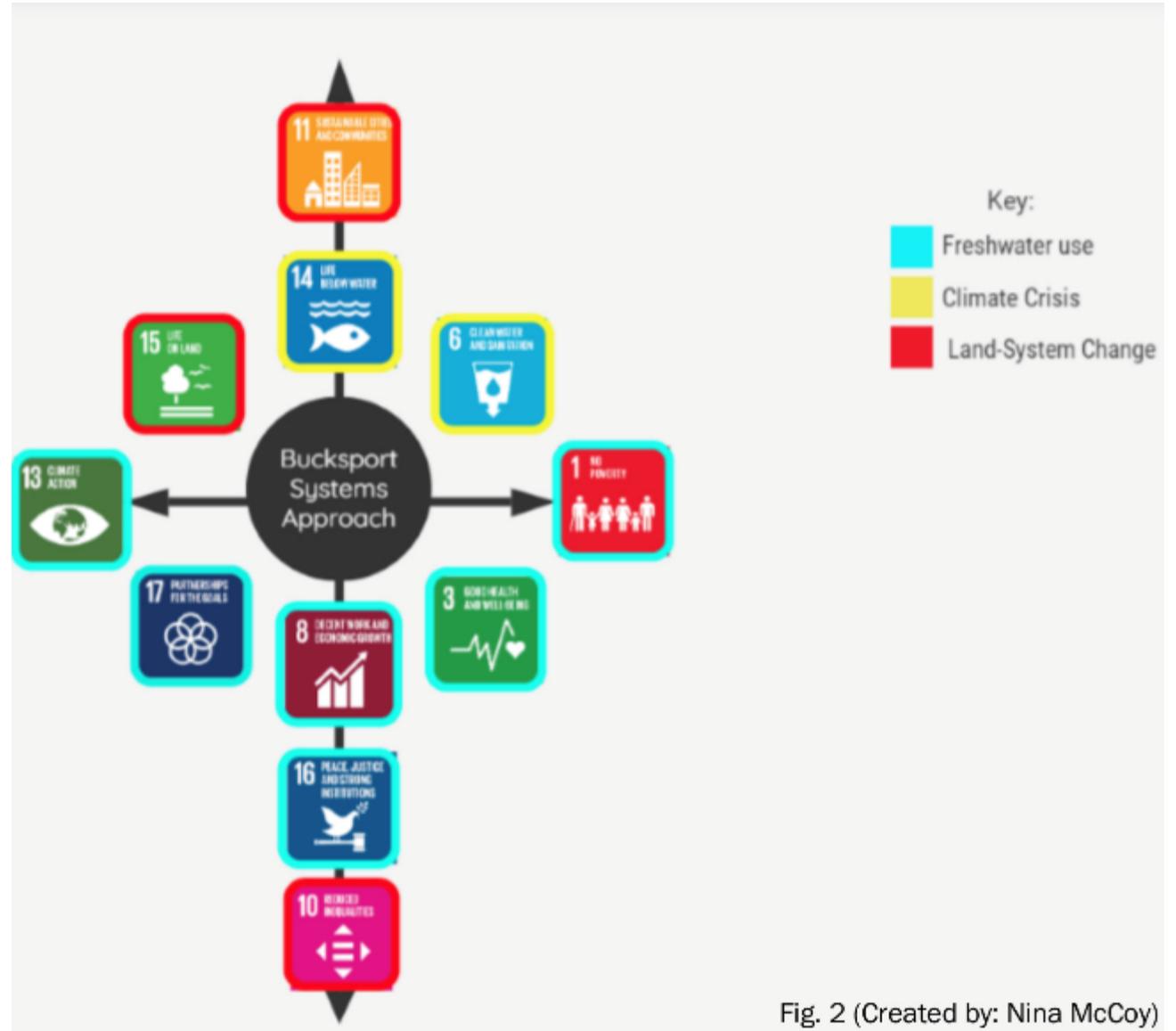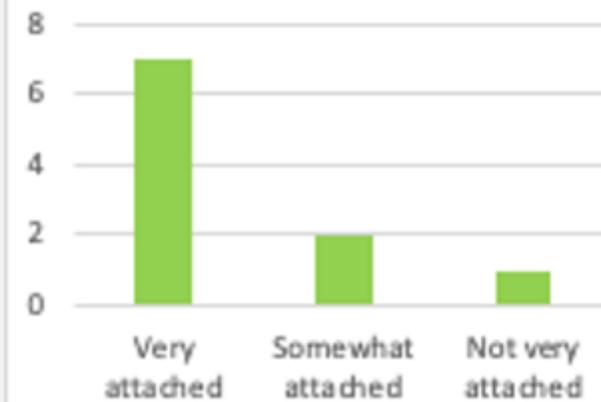
SDG Framework

Fig. 2 (Created by: Nina McCoy)

Why is Bucksport Special?

Student Engagement

- Changes in forest cover

- Endangered species
  - swallowed tailed kites, red-cockaded woodpeckers
- Soils

15.2 seeks to End Deforestation and Restore Degraded Forests
15.9 encourages Integrating Ecosystem and Biodiversity
in Government Planning

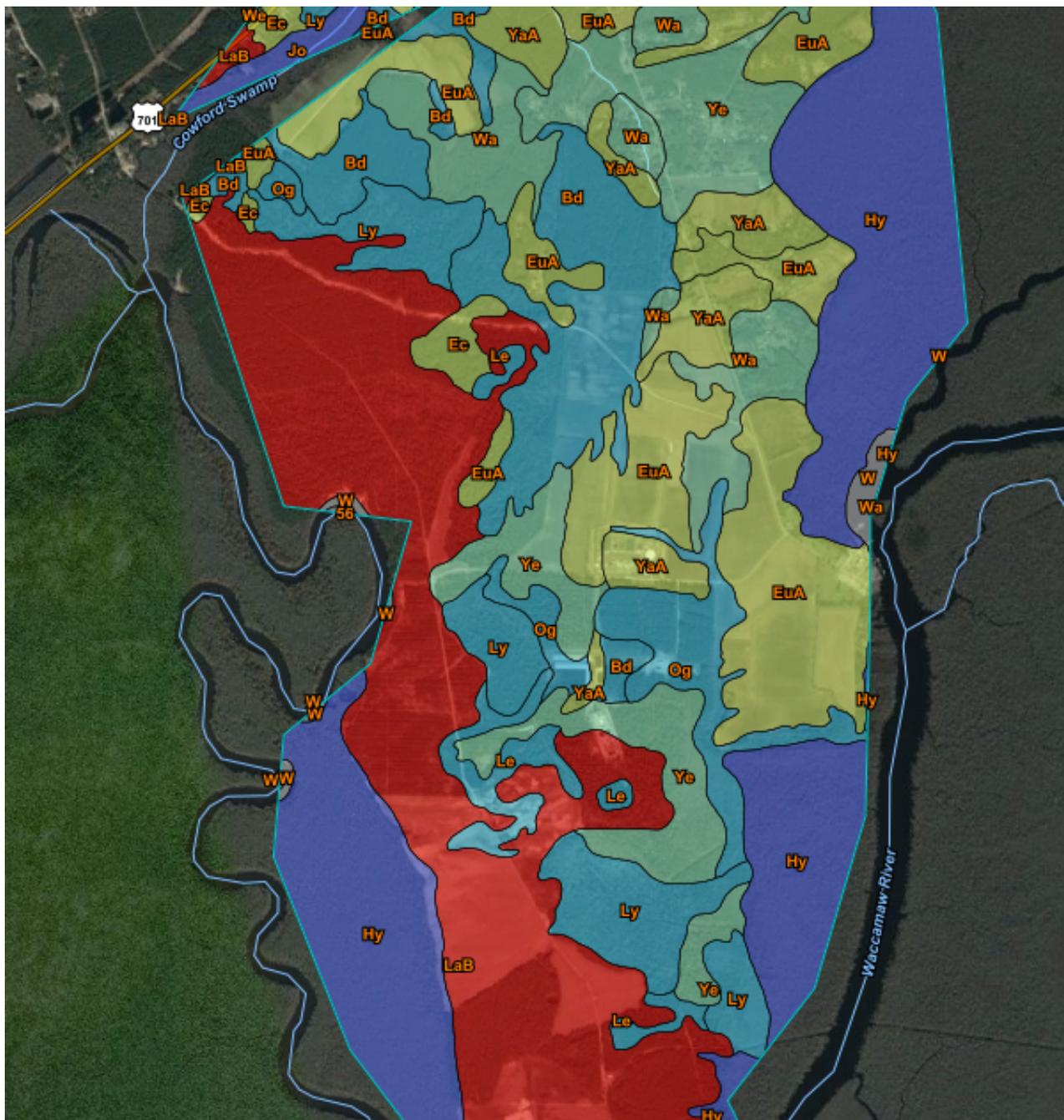# Deforested Area in Bucksport

Google Earth Plus

1.21 square miles of deforested area, 30% of total land area

Soils

Excessively drained
Somewhat excessively drained
Well drained
Moderately well drained
Somewhat poorly drained
Poorly drained
Very poorly drained
Subaqueous

Horry County has lost over 5.32% of its total wetland area since 1996. 74.75 square miles of Palustrine forested wetlands were lost.

Waccamaw Wildlife Refuge is home to "striped bass, American shad, blueback herring, and two endangered sturgeon species are among migratory fish species that live part of their lives in saltwater and swim up rivers to spawn"

14.2 - Protect and Restore Ecosystems
14.7 looks at ways to Increase the Economic Benefits from Sustainable use of Marine Resources
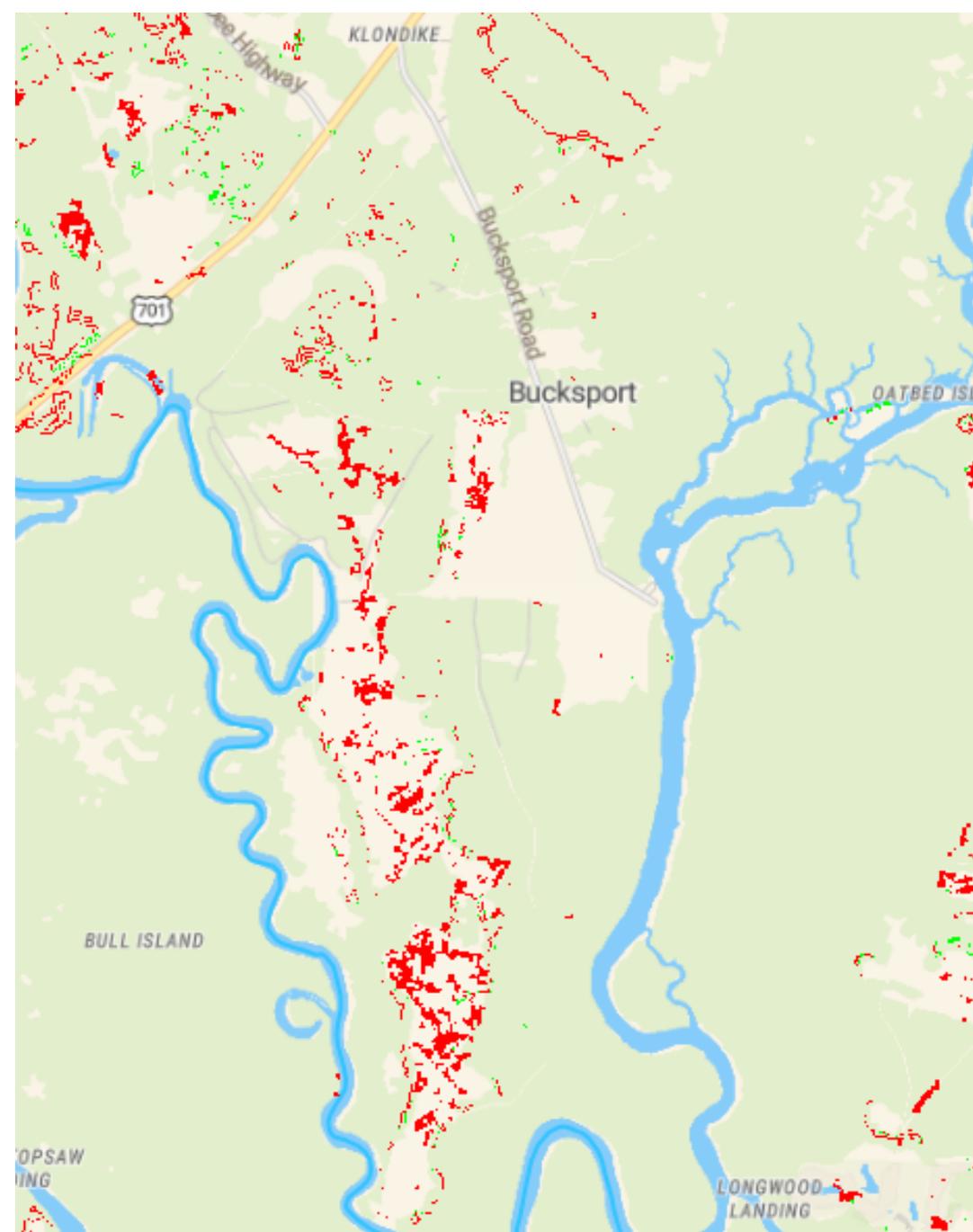
Wetland Losses in Bucksport

Map provided by NOAA
1996-2016
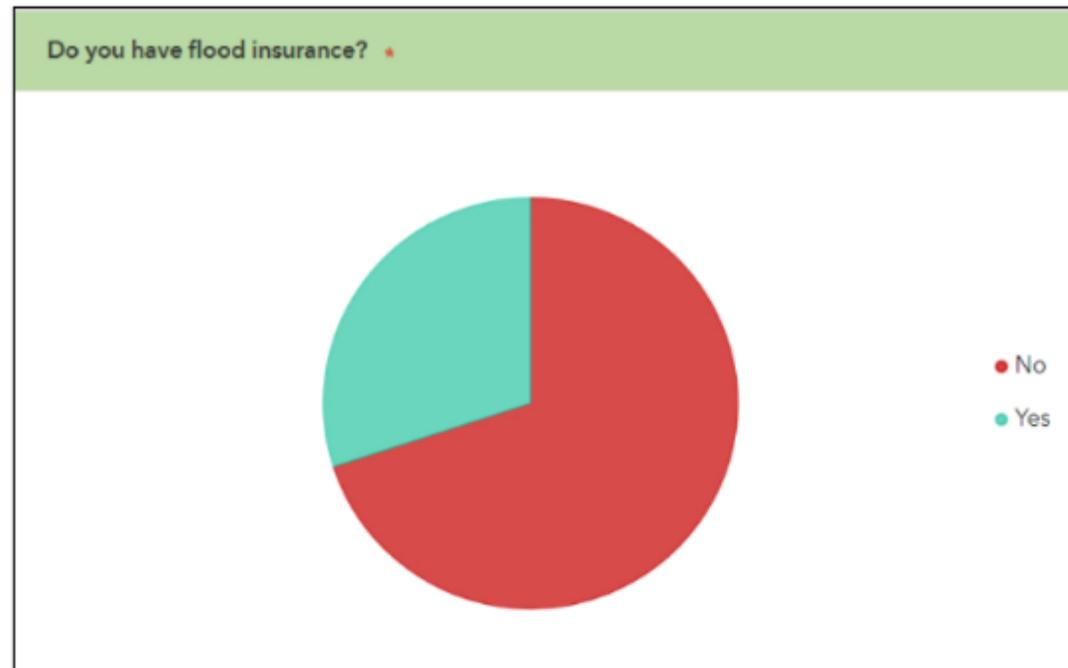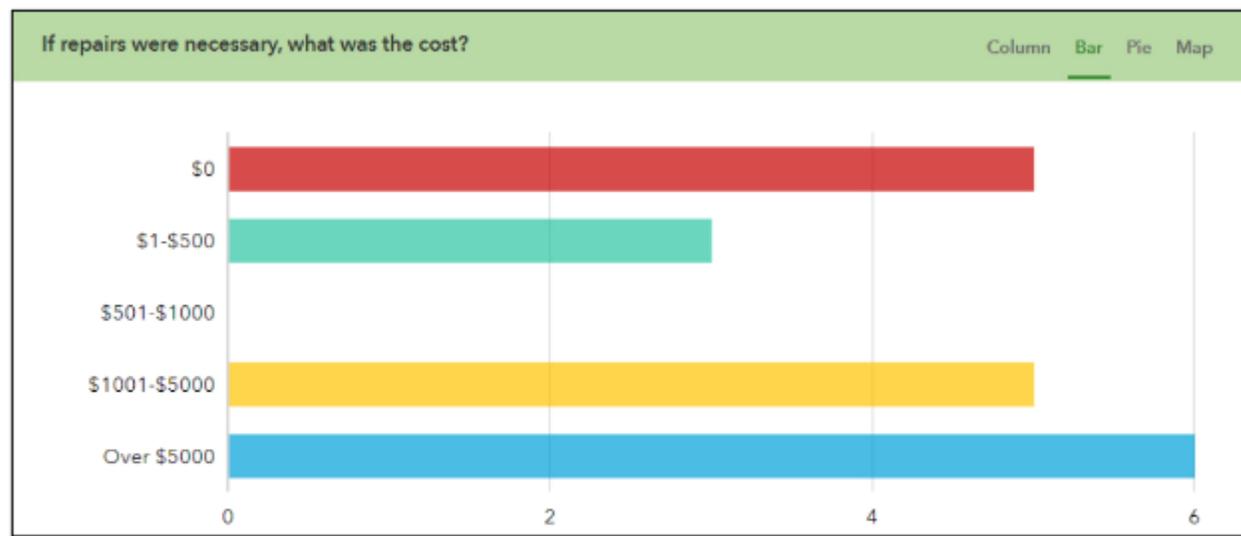
Fig. 18 (Made using ArcGIS Survey 123)
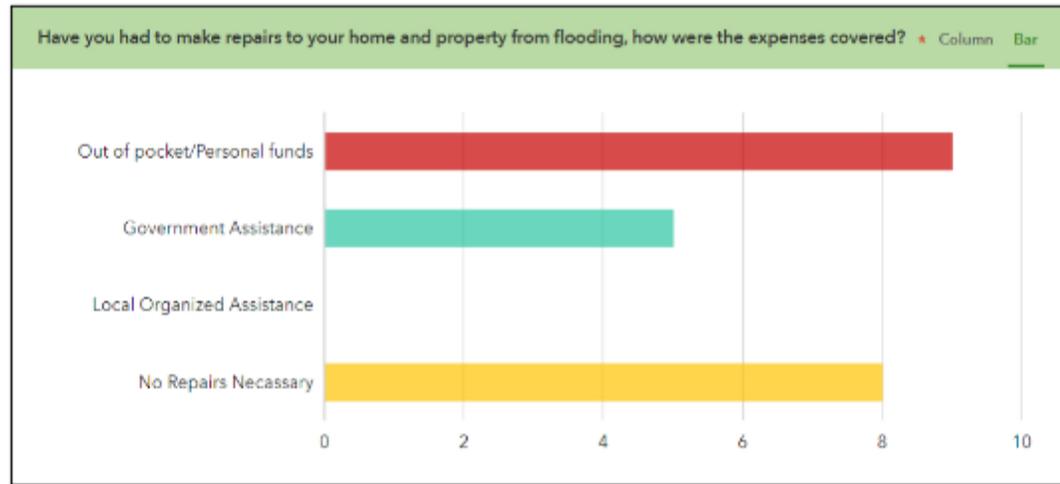
Fig. 19 (Made using ArcGIS Survey 123)

Another important trend in the results to analyze is the timeline for flooding experienced by residents. Twelve out of twenty people said that they were impacted by flooding after 2015. It would be beneficial to figure out what major changes to the landscape and infrastructure occurred during that turning point.

Fig. 20 (Made using ArcGIS Survey 123)

NOAA Flood Hazard Maps
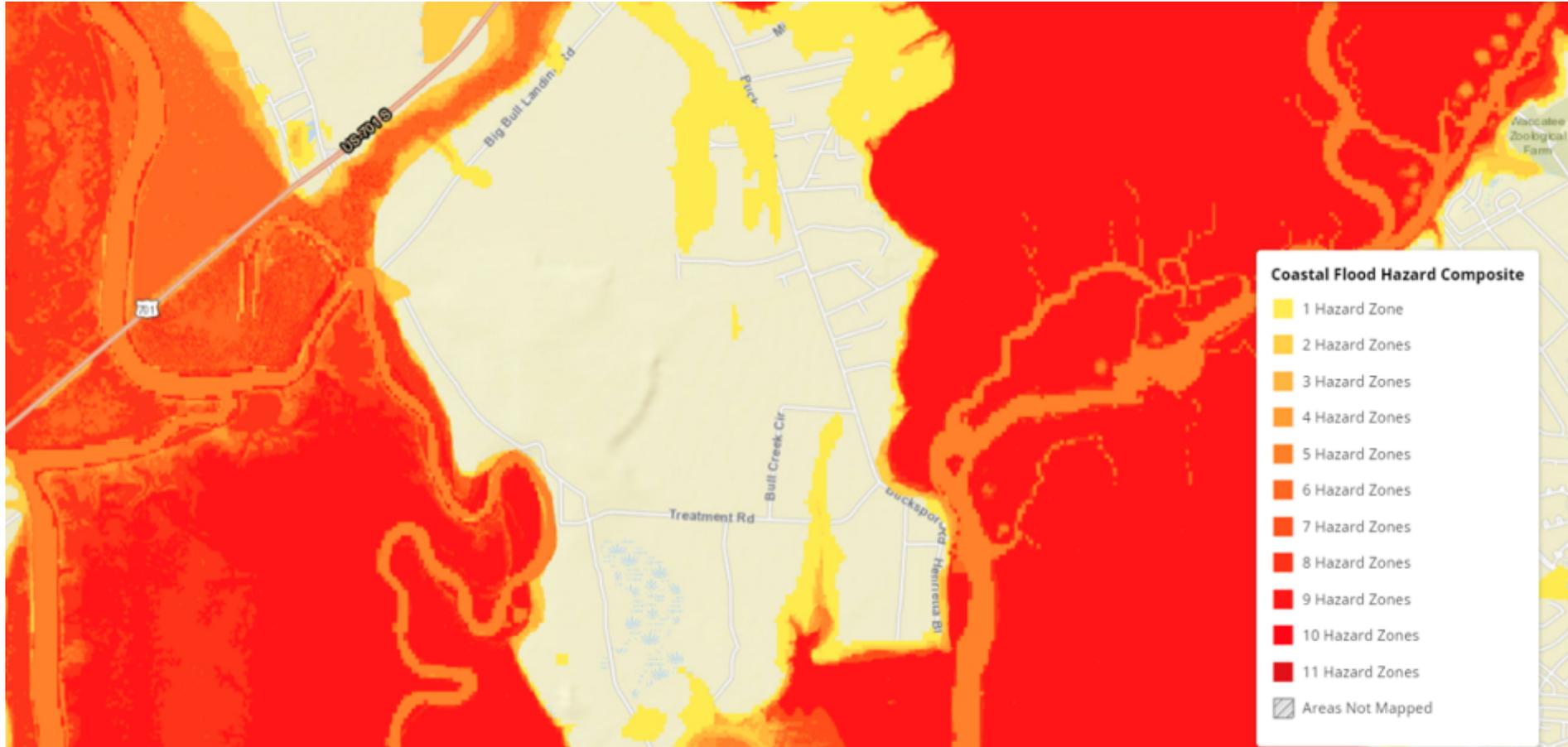
Flooding Frequency in Last 5 years

- Green = 1 flooding event in 5 years
- Yellow= 2 events in 5 years
- Blue= 3 events in 5 years
- Red = 4 + events in 5 years

Outcomes of both projects

Bucksport

- Coalition
- NFWF $250,000 grant
- ARP $65,000
- Google Digital Grant $50,000
- Sustain Coastal $9,000

Murrells Inlet

- Our Marsh Counts
- Sea Grant Consortium $200,000

Georgetown RISE Youth Corps

- Presentations August 2022

Some takeaways and data

- 17 interns in the spring
- 20 interns in the summer
- 43% minority group in the spring
- 28% minority group in the summer
- Majority are juniors and seniors
- About 50% are from SC and the majority say they would live and work in Georgetown County if they had the opportunity
- 30-40% were offered employment
- Many discovered the beauty of Georgetown county, per the comments

Differentiating Experiences and Opportunities!

- **Mentoring**
- **Leadership Development**
- **Excursions**
- **History**
- **Service Learning**
- **Formal Learning**
- **Informal Learning**
- **Research**
- **Personal Development**
- **Professional Development**

Remote Work and Sustainability

United Nations Youth Corps Intern: Sandra Ataalla

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

17 PARTNERSHIPS FOR THE GOALS

Related Sustainable Development Goals

SDG GOAL EIGHT

➢ Remote work by allowing flexible work schedules, lower fuel emissions, less building space, and less utility usage, which affects the economy positively

SDG GOAL NINE

➢ Innovation is actively implemented while supplying the federal government's IT needs. This, in turn, fosters innovation by allowing the government to have the right equipment to grow

SDG GOAL SEVENTEEN

➢ Remote work allows inclusivity for different minds, ideas, and approaches to come together
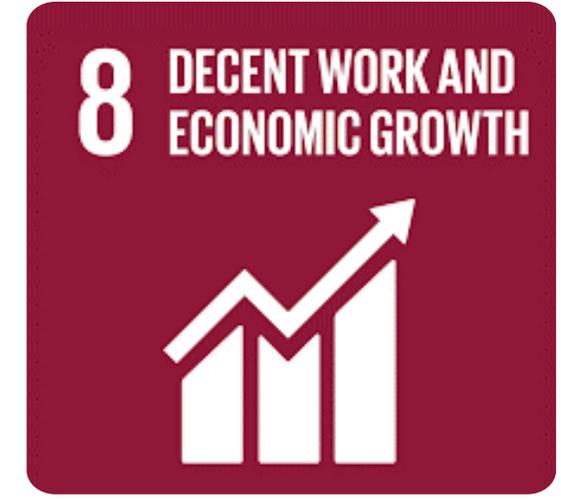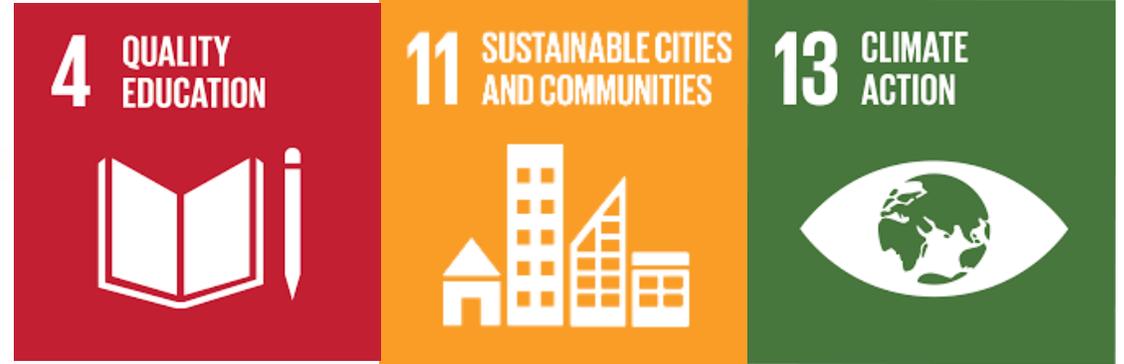
A Culturally Embedded STEM Education Curricula:
Flood Resilience in Georgetown, SC

SDG Mapping Spring 2022

Name:	Organization	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Anderson	WRCOG								■									■
Campbell	Georgetown Chamber of Commerce								■	■								
Devlin	Coastal Media Services								■									
Hall	Coastal Observer				■													
Kerns	Tidelands Health - Administration			■					■	■								
Morgan	SC Maritime Musuem				■							■						
O'Hara	GT Planning Office														■			
Ownby-Connolly	GT County Environmental Services				■						■		■					
Peck	Maritime Museum				■							■						
Rainwater	GT County Environmental Services		■				■						■					
Restuccia	Tidelands Health			■	■													
Ataalla	Mercom Corporation								■	■								■
Maggie	GT County Office of Administration								■									
Simmons	Tidelands Community Health			■														
Whitehead	G3 Engineering & Surveying						■			■						■		
Willis	Island Specialties												■		■			
Zheng	City of Georgetown Administration				■				■			■						

SDG Mapping

Sponsor	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Black River United Way																	
City of GT Office of Admin												X			X		
Coastal Conservation League			X			X					X	X	X	X	X		X
Coastal media services								X	X		X				X		
G3 Engineering																	X
GC Enviromental Services		X		X		X		X			X	X		X			
GC Parks and Recreation									X								
GC Planning and Zoning							X		X	X	X	X		X	X	X	X
GC Sheriff's Office										X	X			X		X	
Georgetown Public Works									X		X						X
Georgetown Public Works																	
Litchfield Books																	
Mercom Corporation								X	X		X						
The Coastal Observer								X	X		X	X					
The Hammock Shops								X			X						X
The Litchfield Company												X			X		
The Village Group	X	X	X	X		X					X		X	X			X
Tidelands health	X			X					X	X						X	
Tidelands health			X					X									
WCOG	X		X	X			X	X	X	X	X				X	X	X

Data Dashboard Project

Aligning the SDG'S with our pillars

- Through our strategic planning process we tested 5 components: Family Philanthropy and Future Leadership; Education; Economic Mobility; Culture, Equity and Identity, and Coastal Resilience. We have now added a sixth pillar around Health and Wellbeing.

- Matching them to the corresponding SDG's

- No Poverty

- Quality Education

- Good Health & Wellbeing

- Climate Action

- Decent Work and Economic Growth

Using Data to tell our story

We believe Data is a combination of "Expert Knowledge" and "Community Knowledge".

We use the data to provide the framework for storytelling and narrative shaping.

Our goal is to make the data easy to understand and accessible.

We use the data as a tool for grantmakers in making decisions about where and how to invest.

Dashboard aligns CCF's goals to the SDGs, and provides data relevant to each SDG

- Allows for users to target specific organization goals
- Allows for users to target specific SDGs
- Allows for users to target specific counties
- Provides cross-county visual comparisons
- Deep-dive within a county on a specific SDG

CCF data dashboard provides users with a wealth of reliable data

- Includes over 1,000 pieces of data on 10 counties on the South Carolina coast
- Key data from trustworthy sources
  - FEMA
  - US Census
  - KIDS Count
- Organized to allow for ease of communication
  - Maps, graphs, visuals

Dashboard supports internal and external decision-making processes

- Supports decisions being made with reliable external data
- Communicates to stakeholders what external data is valuable to the organization
- Provides data for partners pursuing grant opportunities or conducting other professional work with CCF
- Provides a marker for strategic planning that can later be revisited for evaluation purposes
- Communicates the SDGs as relevant and important to the work of the organization

Dashboard has the potential to be updated and change, reflecting movement of the org

- Can evolve and flex with CCF
- Show change over time on key metrics
- Show change in priorities and areas of focus
- Additional SDGs as needed

Building Accountability and Transparency

- Coastal Community Foundation and dashboard project

- Food Insecurity Project

- Georgetown County dashboard

- New RISE Center

Thank you!

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