



A global network dedicated to enhancing human and natural coastal communities

Explore Our Work



Approach and Network

Decision support tool platform

Apps

...that address disaster risk reduction using nature-based solutions to coastal hazards & climate change



Coastal Resilience

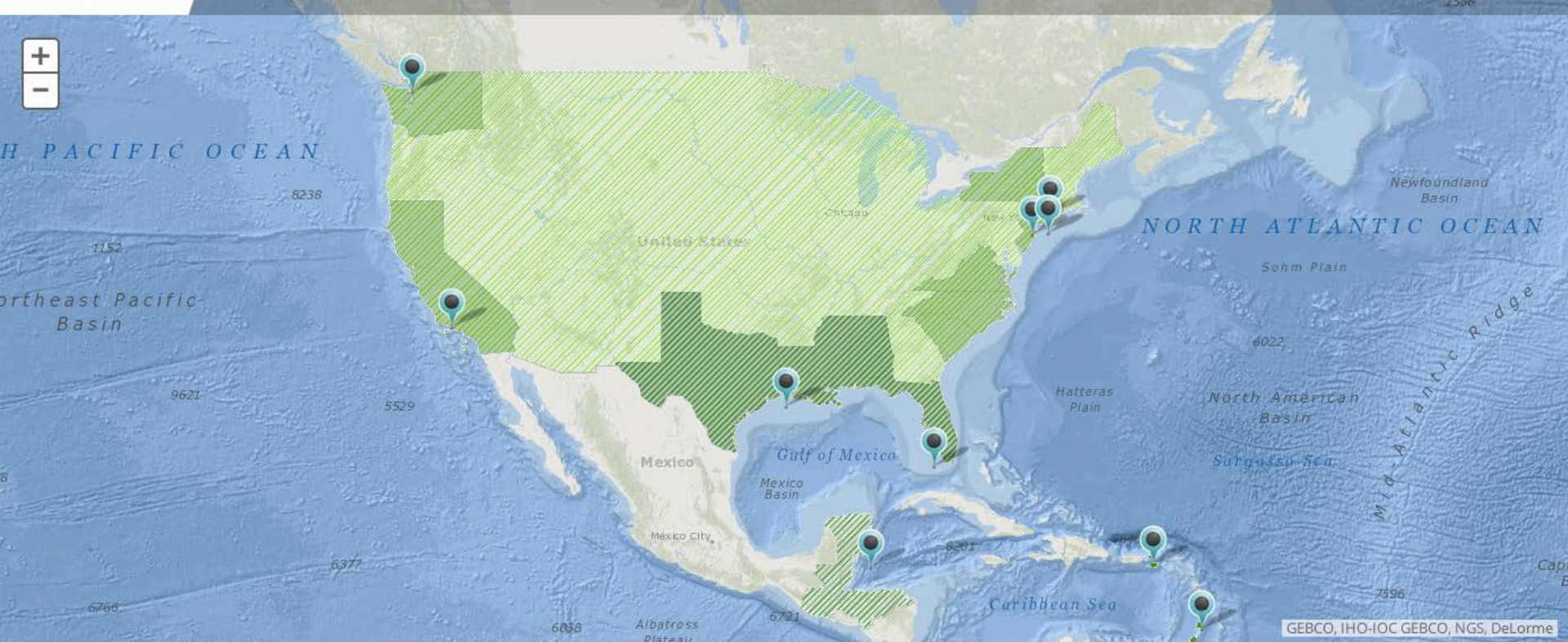
Approach



Coastal Resilience

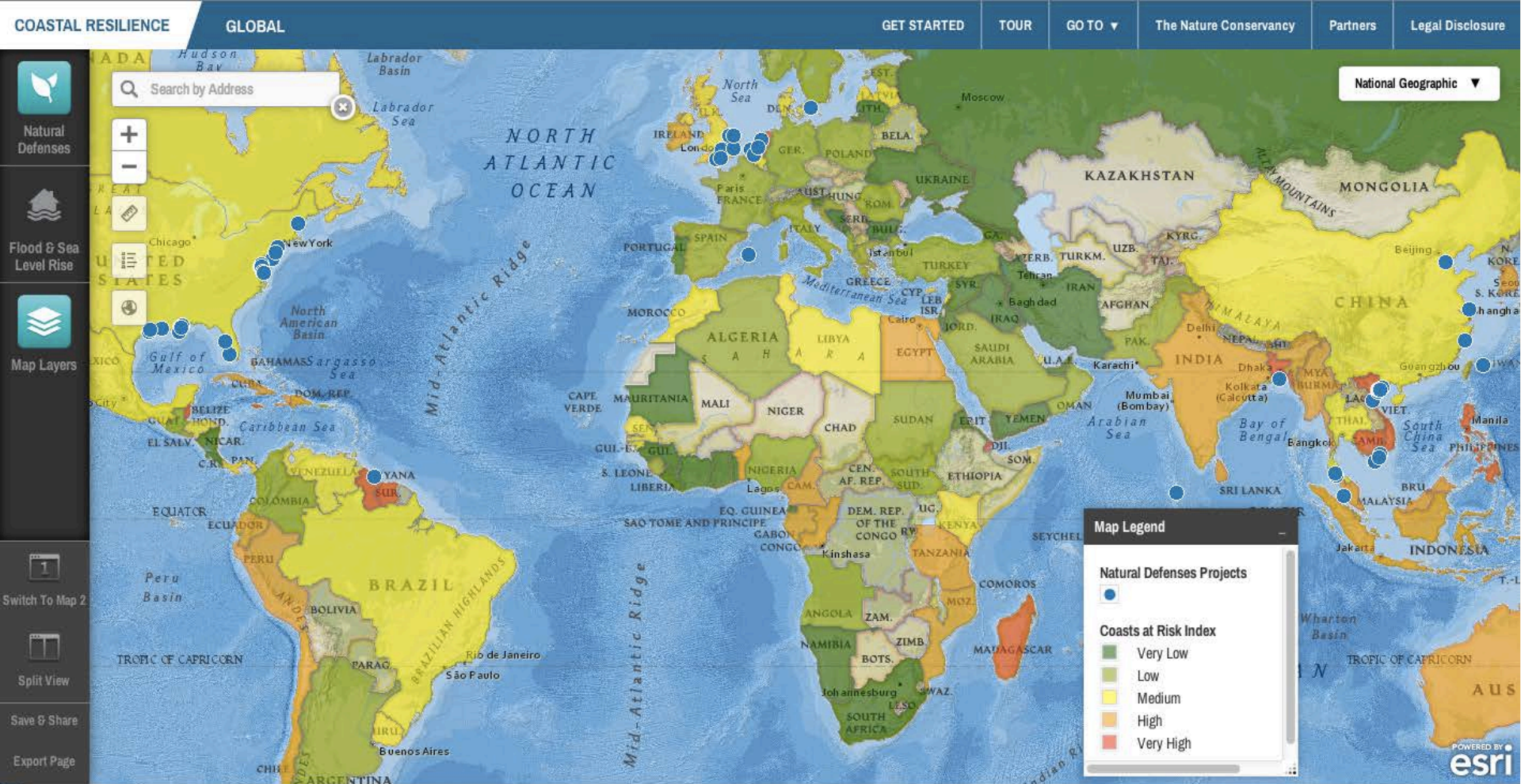
Network

COASTAL RESILIENCE



Coastal Resilience mapping portal

maps.coastalresilience.org



Mapping tool platform with apps







Map Layers



Flood & Sea Level Rise



Community Planning



Switch To Map 2



Split View



Save & Share



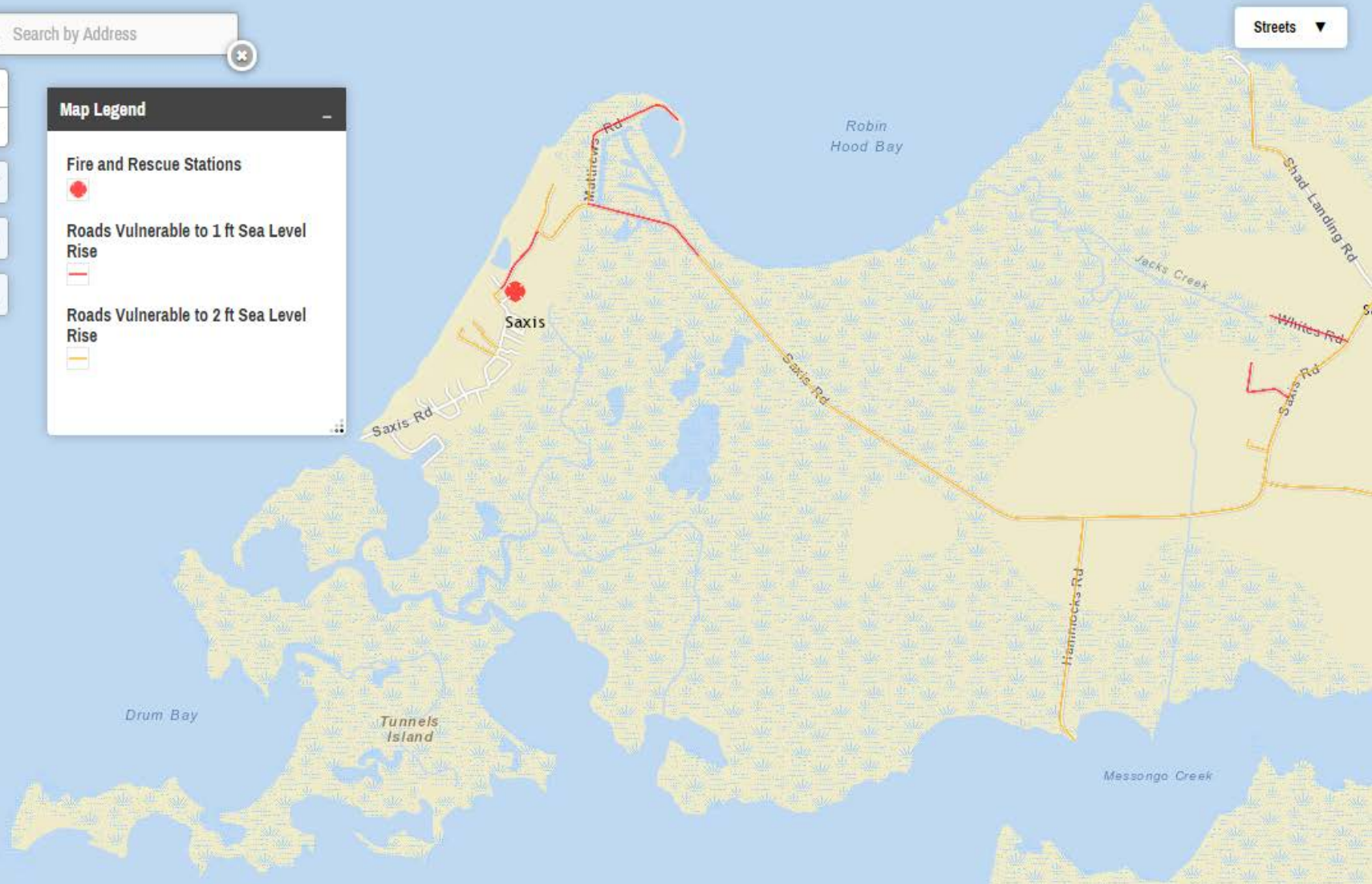
Export Page

Search by Address

Streets ▾

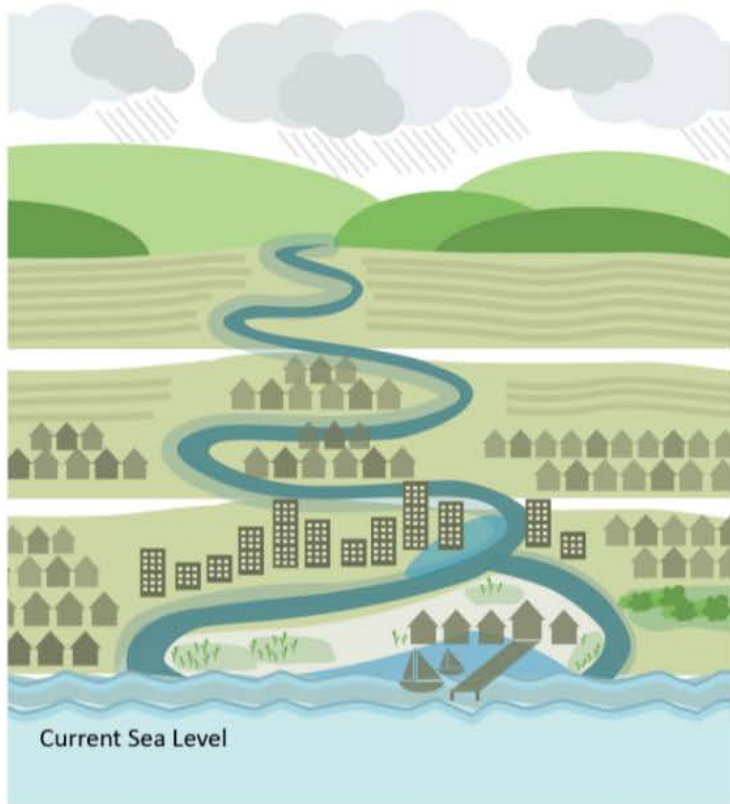
Map Legend

- Fire and Rescue Stations
- Roads Vulnerable to 1 ft Sea Level Rise
- Roads Vulnerable to 2 ft Sea Level Rise

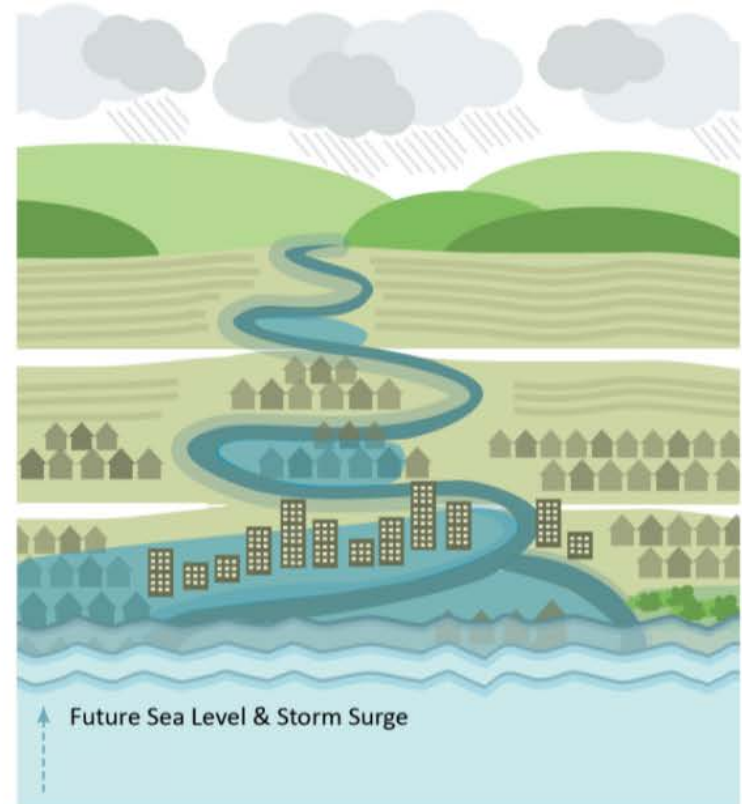




Current coastal and floodplain inundation scenario



Future coastal and floodplain inundation scenario







Map Layers



Flood & Sea Level Rise



Community Planning



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Export Page

Search by Address

Imagery ▾

Flood & Sea Level Rise

NOAA SLR Data ▾

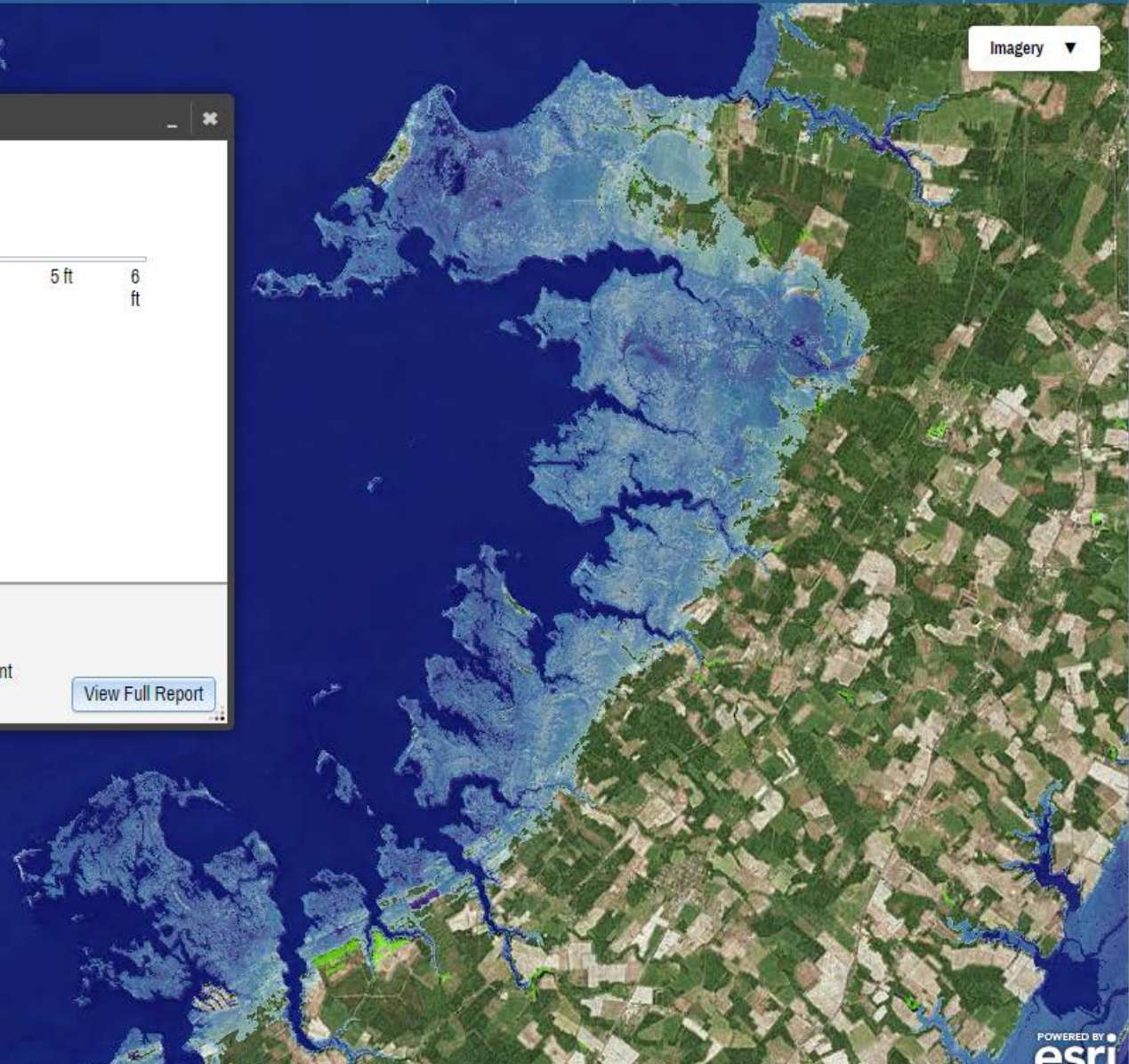
Choose SLR

Current 1 ft 2 ft 3 ft 4 ft 5 ft 6 ft

Layer Properties: 🔍

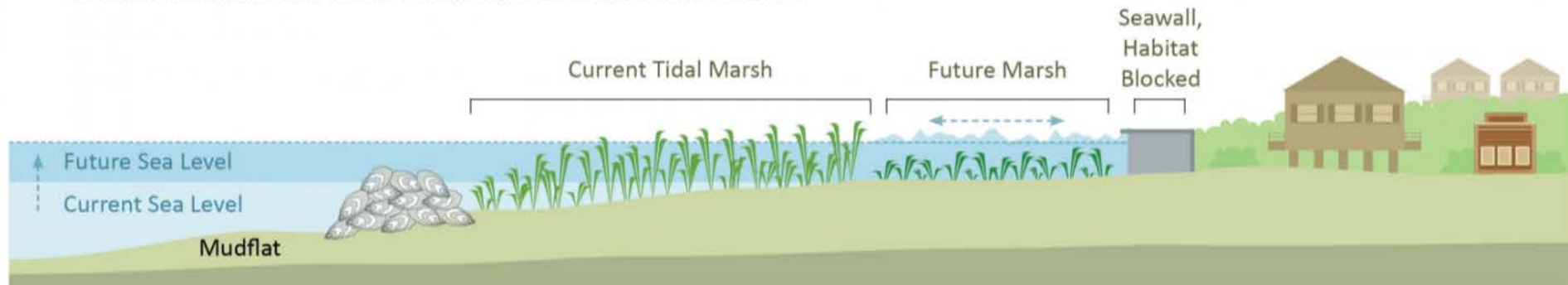
Opaque Transparent

[View Full Report](#)

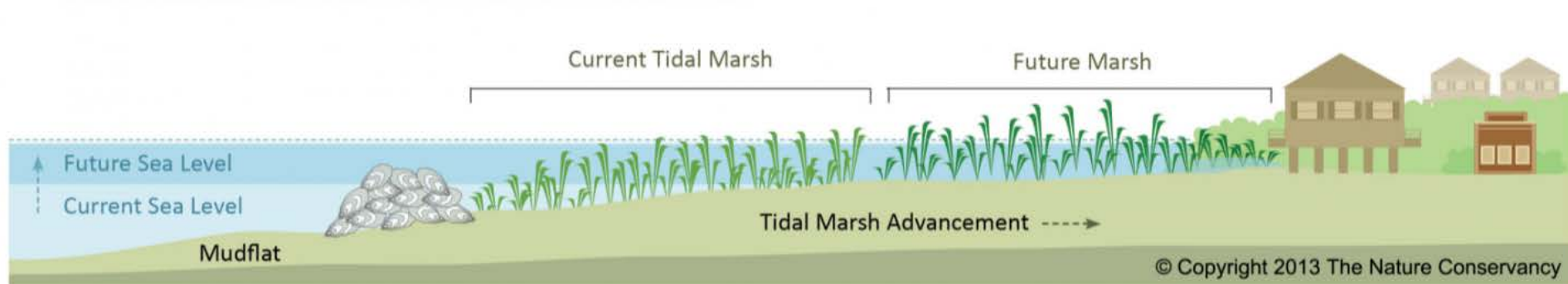




Vulnerable Habitat: Tidal Marsh advancement blocked as sea level rises



Resilient Habitat: Tidal marsh advances landward as sea level rises



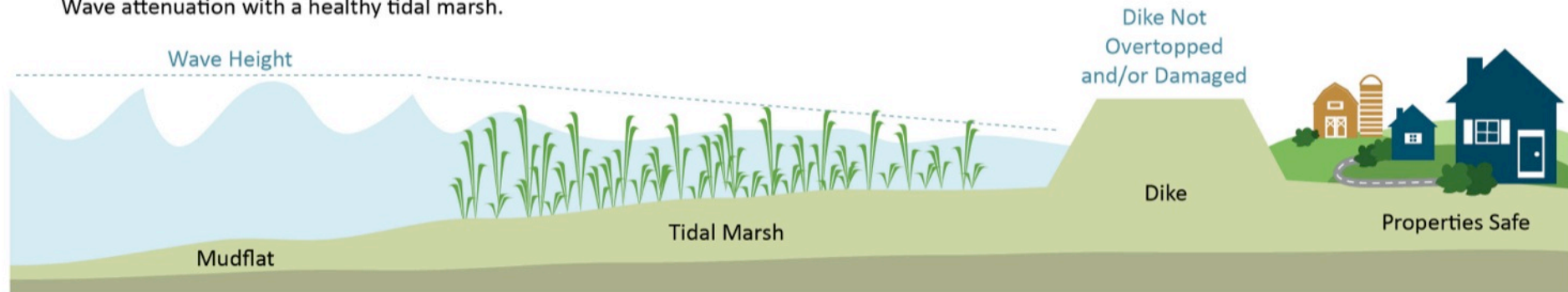




Coastal Defense

Coastal Defense quantifies how natural habitats (oyster reefs, tidal marshes, seagrass ...) protect coastal areas by reducing wave-induced erosion and inundation. It uses standard engineering techniques to help you estimate how and where to restore or conserve critical habitat, and increase the resilience of your coastal community and infrastructure.

Wave attenuation with a healthy tidal marsh.



Wave attenuation with a degraded tidal marsh.

